
Rijksdienst voor Ondernemend
Nederland
Nederland
De industriële eigendom

Inleiding

Hoofdblad

Het Blad de Industriële Eigendom verschijnt op de derde werkdag van een week. Indien Octrooicentrum Nederland op deze dag is gesloten, wordt de verschijningsdag van het blad verschoven naar de eerstvolgende werkdag, waarop Octrooicentrum Nederland is geopend. Het blad verschijnt alleen in elektronische vorm. Elk nummer van het blad bestaat uit 14 rubrieken.

Bijblad
Verschijnt vier keer per jaar (januari, april, juli, oktober) in elektronische vorm via www.rvo.nl/octrooien. Het Bijblad bevat officiële mededelingen en andere wetenswaardigheden waarmee Octrooicentrum Nederland en zijn klanten te maken hebben.

Abonnementsprijzen per (kalender)jaar:

Hoofdblad en Bijblad: verschijnt gratis in elektronische vorm op de website van Octrooicentrum Nederland.

Bezoekadres: **Octrooicentrum Nederland**
Prinses Beatrixlaan 2
2595 AL Den Haag
Postadres
Postbus 10366
2501 HJ Den Haag
Telefoon: 088-0426656
Bankrekeningnummer:
Voor taksen en depotrekeningen:
ING 0705001296
Iban: NL41INGB070500129
BIC: INGBNL2A

Introduction

Patent Bulletin

The Patent Bulletin appears on the 3rd working day of each week. If the Netherlands Patent Office is closed to the public on the above mentioned day, the date of issue of the Bulletin is the first working day thereafter, on which the Office is open. Each issue of the Bulletin consists of 14 headings.

Official Journal
Appears four times a year (January, April, July, October) in electronic form on the www.rvo.nl/octrooien. The Official Journal contains announcements and other things worth knowing for the benefit of the Netherlands Patent Office and its customers.

Subscription rates per calendar year:

Patent Bulletin and Official Journal: free of charge in electronic form on the website of the Netherlands Patent Office.

Visiting address: **Netherlands Patent Office**
Prinses Beatrixlaan 2
2595 AL Den Haag
Postadress
Post Office Box: 10366
2501 HJ Den Haag
Telephone: +31(0)88 0426656
Account:
Fees, deposit accounts:
ING 0705001296
Iban: NL41INGB070500129
BIC: INGBNL2A

Inhoudsopgave	Blz.	Content	Page
Rubriek NP1 Bevat gegevens betreffende octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995.	7	**Heading NP1** Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.	7
Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	8	**Heading NP2** Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	8
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	9	**Heading NP3** Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	9
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	10	**Heading EP1** Contains data concerning translations of the conclusions of European patent applications.	10
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	11	**Heading EP2** Contains data concerning European patents granted for The Netherlands.	11
Rubriek EP3 Bevat gegevens betreffende voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 lid 1 of 6 van de Octrooiwet 1995.	333	**Heading EP3** Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.	333
Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzgde Europese octrooien.	398	**Heading EP4** Contains data concerning European patents granted in amended form for the Netherlands.	398
Rubriek EP5 Bevat gegevens betreffende voor Nederland verleende gewijzigde	400	**Heading EP5** Contains data concerning European patents granted in amended form for	400

Europese octrooien waarvoor een gewijzigde vertaling is ingediend.

The Netherlands in which an amended translation was filed.

Rubriek SPC 402 **Heading SPC** 402

Bevat gegevens betreffende ingeschreven en verleende certificaten

Contains data concerning applications for- or granted Supplementary Protection Certificates.

Rubriek VB1 403 **Heading VB1** 403

Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.

Contains data concerning requests and notices of opposition under the General administrative law.

Rubriek VB2 405 **Heading VB2** 405

Bevat gegevens betreffende rechten waarin een beslissing is genomen of waarvoor een nieuwheidsrapport is uitgegaan op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.

Contains data concerning requests and notices of opposition under the General administrative law in respect of which a decision has been taken or in respect for which a report has been made.

Rubriek MED 406 **Heading MED** 406

Bevat gegevens betreffende overige mededelingen.

Contains data concerning other communications.

Rubriek VRV 407 **Heading VRV** 407

Bevat gegevens betreffende verval of nietigverklaring.

Contains data concerning lapse or annulment.

Rubriek VRB 462 **Heading VRB** 462

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

Contains data concerning corrections on earlier publications.

Rubriek CO 463 **Heading CO** 463

Bevat gegevens betreffende wijzigingen in het octrooiregister.

Contains data concerning changes in the Netherland patent register.

Rubriek TVH 469 **Heading TVH** 469

Bevat gegevens betreffende topografieën van halfgeleiderproducten.

Contains data concerning depots of original topographies of semi-conductor products.

Overzicht van Inid codes

INID CODES

Inid codes worden gebruikt op de voorpagina van octrooigeschriften en in octrooibulletins. Ze dienen om de verschillende bibliografische gegevens te kunnen begrijpen zonder kennis te hebben van de taal. INID is een acronym van Internationally agreed Numbers for Identification of Data. De definities van INID codes wordt gegeven in de WIPO standaard ST. 9.

INID CODES

"INID" Codes are used on the front pages of patent documents and in official gazettes to identify various bibliographic data items without knowledge of the language used and the industrial property laws applied."INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". The INID Codes are usually given in parenthesis adjacent to the appropriate bibliographic data item. The definitions of the INID Codes are given in WIPO Standard ST. 9 (as of November 1998) and are listed below:

(11) Octrooinummer	(11) Patent number
(13) Soort document volgens WIPO standaard 16	(13) Kind of document code according to WIPO standard ST.16
(15) Correctie informatie	(15) Patent correction information
(21) Octrooiaanvraagnummer	(21) Application number
(22) Datum van indiening	(22) Date(s) of filing application(s)
(23) Datum tentoonstelling	(23) Date of exhibition
(25) Taal van indiening	(25) Language in which the published application was originally filed
(26) Taal waarin de aanvraag is gepubliceerd	(26) Language in which the application is published
(30) Voorrangsgegevens	(30) Priority Data
(31) Nummer voorrang	(31) Number(s) assigned to priority application(s)
(32) Datum voorrang	(32) Date(s) of filling of priority application(s)
(33) Land van herkomst voorrang	(33) WIPO Standard ST.3 Code indetifying the national patent office alloting the priority application number or the organization alloting the regional priority application number: for international applications filed under the PCT, the code "WO" is used.
(34) Oorspronkelijk land van indiening	(34) For priority fillings under the regional or international arrangements, the WIPO Standard ST.3 Code indentifying at least one country party to the Paris Union for which the regional or international application was made.
(40) Datum van inschrijving	(40) Date(s) of making available to the public
(41) Datum van inschrijving van een octrooiaanvraag	(41) Date of making available to the public by viewing, or copying on request an unexamined patent document, on which no grant has taken place on or before the said date.
(42) Datum van inschrijving van een onderzochte aanvraag (openbaarmaking)	(42) Date of making available to the public by viewing, or copying on request an examined patent document, on which no grant has taken place on or before the said date.
(43) Datum waarop de aanvraag ter inzage is gelegd	(43) Date of publication by printing or similar process of anexamined document on which no grant has taken place on or before said date

(44) Datum van openbaarmaking	(44) Date of publication by printing or similar process of an examined document on which no grant has taken place on or before said date
(45) Datum van kracht worden van een Europees octrooi in Nederland	(45) Date of publication by printing or similar process of a document on which no grant has taken place on or before said date
(46) Inschrijvingsdatum conclusies	(46) Date of publication by printing or similar process of the claim(s) only of a document
(47) Verleningsdatum octrooi	(47) Date from which the patent takes effect
(48) Datum waarop een verbetering van een octrooi is uitgegeven	(48) Date of issuance of a corrected patent document
(51) Internationale Octrooiclassificatie	(51) International Patent Classification
(54) Korte aanduiding	(54) Title of the invention
(62) Nummer moeder aanvraag	(62) Number and, if possible, filling date of the earlier application from which the present document has been divided out
(68) Nummer basis octrooi	(68) Number of the basic patent
(71) Naam aanvrager(s)	(71) Name(s) of the applicant(s)
(72) Naam uitvinder(s)	(72) Name(s) of the inventor(s) if know to be such
(73) Naam octrooihouder(s)	(73) Name(s) of grantee(s)
(74) Naam gemachtigde	(74) Name(s) of the attorney(s) or agent(s)
(75) Naam van uitvinders die tevens aanvrager zijn	(75) Name(s) of inventor(s) who is (are) also application(s)
(81) Aangewezen landen volgens de PCT	(81) Designated States(s) according to the PCT
(83) Informatie over micro organismen	(83) Information concerning the deposit of microorganisms
(84) Aangewezen landen bij regionale octrooien	(84) Designated Contracting States under regional patent conventions
(86) Nummer van omgezette aanvraag	(86) Apllication number of a PCT-application or number of European patent which is converted into a national application
(87) Datum en nummer van een PCT aanvraag	(87) Publication date and number of a PCT application
(92) Certificaten: nummer en datum van de eerste nationale vergunning voor een geneesmiddel	(92) For an SPC, number and date of the first national authorization to place the product on the market as a medicinal product
(93) Datum en nummer van de eerste EU vergunning voor een geneesmiddel	(93) For an SPC, number and date and where applicable, country of origin, of the first authorzation to place the product on the market as a medicinal product within a regional
(94) Expiratiedatum voor een topografie	(94) economic community
(95) Certificaten: naam van het product	(95) Calculated date of expiry of the topography Name of the product protected by the basic patent and in respect of which the SPC has been apllied for or granted

Rubrieken/Headings

NP1

Nederlandse octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995. Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.

(51) A47C 12/00
(21) 1042732
(22) 30.01.2018
(54) De aanrecht sta-zak voor peuters en/of kleine kinderen
(71) Robert Adrianus Tas
(72) Robert Adrianus Tas
(41) 05.08.2019

(51) A61B 5/1455
(21) 2020341
(22) 29.01.2018
(54) RETINAL OXIMETRY WITH IMPROVED ACCURACY
(71) Stichting VU
(74) ir. C.M. Jansen c.s.
(72) Mathi Damodaran
Arjen Amelink
Johannes Fitzgerald de Boer
(41) 02.08.2019

(51) A63F 9/20
A63F 11/00
(21) 2020359
(22) 31.01.2018
(54) Electronic playing piece and game with such playing piece
(71) Adar Golad
(74) ir. F.A. Geurts c.s.
(72) Adar Golad

(51) B23K 20/12
B62D 33/067
F15B 15/14
(21) 2020336
(22) 29.01.2018
(54) Piston and piston rod assembly manufacturing method.
(71) Actuant Corporation
(74) ir. J.C. Volmer c.s.
(72) Marcel Gerardus Maria Nieuwenhuis
(41) 02.08.2019

(51) B62M 3/08
(21) 2020345
(22) 30.01.2018
(54) Bicycle pedal
(71) Accell Nederland B.V.
(74) ir. C.M. Jansen c.s.
(72) Marten Hinne Hiemstra
(41) 05.08.2019

(51) F03G 7/10
(21) 1042730
(22) 29.01.2018
(54) Inrichting voor het omzetten van zwaartekracht in aandrijfkracht of -energie
(71) Eray Cetinkaya
(72) Eray Cetinkaya
(41) 02.08.2019

(51) G01N 1/34
G01N 1/40
G01N 33/548
B01D 15/08
(21) 2020339
(22) 29.01.2018
(54) METHOD FOR THE GC/MS/MS DETECTION OF PESTICIDES IN FOOD PRODUCTS
(71) NofaLab B.V.
(74) ir. P.J. Hylarides c.s.
(72) Wilhelmus Broer
(41) 02.08.2019

(51) G01N 29/04
G01N 29/07
G01N 29/265
G01N 29/44
(21) 2020338
(22) 29.01.2018
(54) METHOD FOR MEASURING CEMENT ELEMENTS, SUCH AS PIPING, AND MEASUREMENT SYSTEM THERE FOR
(71) Acquaint B.V.
(74) ir. P.J. Hylarides c.s.
(72) Hector Hernandez Delgadillo
Rudy Ruurd Dijkstra
Siemen Roelof van der Heide
Richard Loendersloot
Doekle Reinder Yntema
(41) 02.08.2019

(51) G02B 6/00
F21V 8/00
(21) 2020343
(22) 29.01.2018
(54) Optical element for wind turbine tower marking
(71) Orga Holding B.V.
(74) ir. C.M. Jansen c.s.
(72) Thomas Leeuwangh
(41) 02.08.2019

(51) G03F 7/20
(21) 2022400
(22) 15.01.2019
(54) Wavelength tracking system, Method to calibrate a wavelength tracking system, Lithographic apparatus, Method to determine an absolute position of a movable object, and Interferometer system
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Engelbertus Antonius Fransiscus van der Pasch
Suzanne Johanna Antonetta Geertruda Cosijns
Maarten Jansen
Koen Govert Olivier van de Meerakker
Ivo Widdershoven
(31) 18154460.2
18197177.1
(32) 31.01.2018
27.09.2018
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G03F 7/20
(21) 2023486
(22) 11.07.2019
(54) APPARATUS AND METHOD FOR MEASURING SUBSTRATE HEIGHT
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Willem Richard Pongers
Arjan Gijsbertsen
Andrey Rogachevskiy
Martin Jules Marie-Emile de Nivelle
Viktor Trogrlic

(51) G03F 7/20
(21) 2023487
(22) 12.07.2019
(54) Substrate shape measuring device, Substrate handling device, Substrate shape measuring unit and Method to handle substrates
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Gijs Kramer
Ringo Petrus Cornelis van Dorst

NP2

Ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.
Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.

(51) A47C 12/00
(11) 1042732
(47) 05.08.2019
(22) 30.01.2018
(54) De aanrecht sta-zak voor peuters en/of kleine kinderen
(73) Robert Adrianus Tas
(72) Robert Adrianus Tas

(51) A61B 5/1455
(11) 2020341
(47) 02.08.2019
(22) 29.01.2018
(54) RETINAL OXIMETRY WITH IMPROVED ACCURACY
(73) Stichting VU
(72) Mathi Damodaran
Arjen Amelink
Johannes Fitzgerald de Boer
(74) ir. C.M. Jansen c.s.

(51) B23K 20/12
B62D 33/067
F15B 15/14
(11) 2020336
(47) 02.08.2019
(22) 29.01.2018
(54) Piston and piston rod assembly manufacturing method.
(73) Actuant Corporation
(72) Marcel Gerardus Maria Nieuwenhuis
(74) ir. J.C. Volmer c.s.

(51) B62M 3/08
(11) 2020345
(47) 05.08.2019
(22) 30.01.2018
(54) Bicycle pedal
(73) Accell Nederland B.V.
(72) Marten Hinne Hiemstra
(74) ir. C.M. Jansen c.s.

(51) F03G 7/10
(11) 1042730
(47) 02.08.2019
(22) 29.01.2018
(54) Inrichting voor het omzetten van zwaartekracht in aandrijfkracht of -energie
(73) Eray Cetinkaya
(72) Eray Cetinkaya

(51) G01N 1/34
G01N 1/40
G01N 33/548
B01D 15/08
(11) 2020339
(47) 02.08.2019
(22) 29.01.2018
(54) METHOD FOR THE GC/MS/MS DETECTION OF PESTICIDES IN FOOD PRODUCTS
(73) NofaLab B.V.
(72) Wilhelmus Broer
(74) ir. P.J. Hylarides c.s.

(51) G01N 29/04
G01N 29/07
G01N 29/265
G01N 29/44
(11) 2020338
(47) 02.08.2019
(22) 29.01.2018
(54) METHOD FOR MEASURING CEMENT ELEMENTS, SUCH AS PIPING, AND MEASUREMENT SYSTEM THERE FOR
(73) Acquaint B.V.
(72) Hector Hernandez Delgadillo
Rudy Ruurd Dijkstra
Siemen Roelof van der Heide
Richard Loendersloot
Doekle Reinder Yntema
(74) ir. P.J. Hylarides c.s.

(51) G02B 6/00
F21V 8/00
(11) 2020343
(47) 02.08.2019
(22) 29.01.2018
(54) Optical element for wind turbine tower marking
(73) Orga Holding B.V.
(72) Thomas Leeuwangh
(74) ir. C.M. Jansen c.s.

NP3

Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.. Contains data concerning Netherlands patents which have been entered in the patent register (after limitation procedure) under the Patents Act 1995.

EP1

Vertaalde conclusies van Europese octrooiaanvragen.
Contains data concerning translations of the claims of European patent applications.

EP2

Voor Nederland verleende Europese octrooien.
Contains data concerning European patents granted for The Netherlands.

(51) A01B 1/02
(11) EP3172950
(21) EP16198029.7
(47) 07.08.2019
(22) 09.11.2016
(54) FOLDING APPARATUS
(73) GI. DI. Meccanica S.p.A.
(72) GIUSTI, Dino
(31) UB20155973
(32) 27.11.2015
(33) Italy

(51) A01B 45/00
(11) EP2966959
(21) EP14779093.5
(47) 07.08.2019
(87) US2014018858
09.10.2014
(22) 27.02.2014
(54) VEHICLE AND METHOD FOR WORKING TOP DRESSING MATERIAL INTO GRASS BLADES
(73) Greensgroomer Worldwide, Inc.
(72) DAVIS, Michael, E.
HANSON, James, Richard
(31) 201313796106
(32) 12.03.2013
(33) United States of America

(51) A01B 49/04
A01B 63/32
A01C 7/08
A01B 63/14
A01B 49/06
A01C 7/20
A01C 15/00
A01C 7/10
(11) EP3262911
(21) EP17001291.8
(47) 07.08.2019
(22) 06.06.2012
(54) SEEDER
(73) Great Plains Manufacturing, Inc.
(72) Riffel, Jacob R.
Hubalek, Verne A.
(31) 201113157967
(32) 10.06.2011
(33) United States of America

(51) A01B 63/112
G01L 3/10
(11) EP3298871
(21) EP17168322.0
(47) 07.08.2019
(22) 27.04.2017
(54) AGRICULTURAL VEHICLE, PROCESS FOR DETECTING A MECHANICAL LOAD ON COMPONENTS OF AN AGRICULTURAL VEHICLE
(73) CLAAS Tractor S.A.S.
(72) Kloster, Victor
Peeters, Michael
Wieckhorst, Jan Carsten
Sensel, Uwe
Graf, Heiko
Fedde, Thomas
(31) 102016118176
(32) 26.09.2016
(33) Germany

(51) A01B 73/00
(11) EP2939509
(21) EP15165746.7
(47) 07.08.2019
(22) 29.04.2015
(54) TRANSPORT SYSTEM FOR A CENTER PIVOT AGRICULTURAL MACHINE
(73) CNH Industrial Belgium nv
(72) Fay, Jeffrey B. II
Earl, Brendon
(31) 201414265917
(32) 30.04.2014
(33) United States of America

(51) A01B 73/04
(11) EP3085219
(21) EP16401018.3
(47) 07.08.2019
(22) 14.03.2016
(54) AGRICULTURAL DEVICE
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG
(72) Scherf, Silvio
Polster, Joachim
(31) 102015104714
(32) 27.03.2015
(33) Germany

(51) A01C 5/06
(11) EP3225092
(21) EP17163394.4
(47) 07.08.2019
(22) 28.03.2017
(54) SEEDING ELEMENT FOR SOWING MACHINE, WITH IMPROVED OPENER DISC, AND CORRESPONDING SOWING MACHINE
(73) Sulky Burel
(72) HAYOT, Mathieu
(31) 1652737
(32) 30.03.2016
(33) France

(51) A01C 17/00
F16D 41/00
(11) EP3313165
(21) EP16741227.9
(47) 07.08.2019
(87) DE2016200289
29.12.2016
(22) 24.06.2016
(54) DRIVE TRAIN COMPRISING A DRIVEN SHAFT, A MAGNETOSTRICTIVE TORQUE MEASUREMENT, AND AN INTEGRATED FREEHWEEL
(73) Schaeffler Technologies AG & Co. KG
(72) GERNER, Armin
WITTMANN, Bernd
(31) 102015211708
(32) 24.06.2015
(33) Germany

(51) A01D 33/08
A01D 33/10
A01D 51/00
(11) EP3092883
(21) EP15305721.1
(47) 07.08.2019
(22) 13.05.2015
(54) VARIABLE ANGLE BEET PICK-UP DEVICE
(73) EXEL INDUSTRIES
(72) Erl, Andreas
Roth, Johann

(51) A01D 34/14
A01D 75/18
(11) EP2394502
(21) EP10189346.9
(47) 07.08.2019
(22) 29.10.2010
(54) Agricultural vehicle with extension device
(73) CLAAS Industrietechnik GmbH
(72) Berkemann, Stephan
Fedde, Thomas, Dr.
Schlichting, Dirk
(31) 102010005256
(32) 20.01.2010
(33) Germany

(51) A01D 34/30
A01D 34/40
(11) EP2866544
(21) EP12800619.4
(47) 07.08.2019
(87) US2012042954
20.12.2012
(22) 18.06.2012
(54) FLOOR SEAL FOR A CENTER KNIFE DRIVE FOR A SICKLE OF A PLANT CUTTING MACHINE
(73) CNH Industrial Belgium nv
(72) COOK, Joel, T.
(31) 201161520895 P
(32) 16.06.2011
(33) United States of America

(51) A01D 34/66
(11) EP3244720
(21) EP15878190.6
(47) 07.08.2019
(87) US2015010952
21.07.2016
(22) 12.01.2015
(54) CUTTING DECK FLOW CONTROL ASSEMBLY
(73) Husqvarna AB
(72) POOLE, James, R.
BRINEY, David

(51) A01D 34/68
(11) EP2966969
(21) EP13878221.4
(47) 07.08.2019
(87) US2013031570

18.09.2014
(22) 14.03.2013
(54) DRIVE SYSTEM FOR WALK BEHIND MOWER
(73) Husqvarna AB
(72) BAKER, David J.

(51) A01D 34/68
A01D 34/69
F16H 7/08
(11) EP3370501
(21) EP16791702.0
(47) 07.08.2019
(87) IB2016056571
11.05.2017
(22) 01.11.2016
(54) DISENGAGEMENT MECHANISM FOR A WALK BEHIND MOWER
(73) Husqvarna AB
(72) BAKER, David
(31) 201562251393 P
(32) 05.11.2015
(33) United States of America

(51) A01D 41/14
A01D 75/00
(11) EP3269224
(21) EP17177088.6
(47) 07.08.2019
(22) 21.06.2017
(54) HARVESTER HEADER SUPPORT
(73) CNH Industrial Belgium NV
(72) Vandendriessche, Rik
Missotten, Bart M.A.
Tallir, Frederik
Van Overschelde, Pieter
(31) 201605462
(32) 23.06.2016
(33) Belgium

(51) A01D 43/08
(11) EP3300581
(21) EP17001083.9
(47) 07.08.2019
(22) 26.06.2017
(54) FIELD HARVESTER COMPRISING A CROP PROCESSING CHANNEL AND A MEASURING BLOCK FOR DETECTING A TRANSVERSE DISTRIBUTION OF CROPS IN THE CROP PROCESSING CHANNEL
(73) CLAAS Selbstfahrende Erntemaschinen GmbH
(72) Pauck, Jan
Schwersmann, Berthold
Johannesmann, Ralf
Dykstra, Martin
Meyer zu Hörste, Jan
(31) 102016118353
(32) 28.09.2016
(33) Germany

(51) A01D 45/02
(11) EP3236739
(21) EP15848127.5
(47) 07.08.2019
(87) US2015067528
30.06.2016
(22) 22.12.2015
(54) SELF-ADJUSTING DECK PLATE OF AN AGRICULTURAL HARVESTER
(73) CNH Industrial Belgium nv
(72) BARRY, John, T.
(31) 201414579477
(32) 22.12.2014
(33) United States of America

(51) A01D 45/10
A01D 57/00
A01D 93/00
A01D 41/14
(11) EP2775818
(21) EP12848317.9
(47) 07.08.2019
(87) US2012063891
16.05.2013
(22) 07.11.2012
(54) HARVESTER BASE CUTTER CONTROL SYSTEM AND METHOD
(73) Trimble Inc.
(72) LANGE, Arthur, F.
WUESTEFELD, Eric, A.
PEREZ-ITURBE, Guillermo
VAN DER LOO, Christopher
(31) 201113292329
(32) 09.11.2011
(33) United States of America

(51) A01D 80/00
(11) EP3254553
(21) EP16173506.3
(47) 07.08.2019
(22) 08.06.2016
(54) METHOD AND OPERATING SYSTEM FOR ADJUSTING THE WORKING HEIGHT OF SPINNERS OF A RAKE
(73) Kverneland Group Kerteminde AS
(72) Gohl, Stefan
Bier, Klemens

(51) A01D 90/04
A01F 15/10
(11) EP3275303
(21) EP17180260.6
(47) 07.08.2019
(22) 07.07.2017
(54) HARVESTING MACHINE
(73) Deere & Company
(72) Schinstock, William
(31) 201662367164 P
201715617305
(32) 27.07.2016
08.06.2017
(33) United States of America
United States of America

(51) A01F 15/07
B60G 9/02
A01D 75/28
A01F 15/08
(11) EP3069600
(21) EP16151442.7
(47) 07.08.2019
(22) 15.01.2016
(54) HARVESTER
(73) PÖTTINGER Landtechnik GmbH
(72) Baldinger, Markus
Pöttinger, Klaus
Prechtl, Wolfgang
Preimeß, Hans-Jörg
Zweimüller, Manuel
Kleesadl, Johann
Lackner, Christian
Kraft, Andreas
Hinterhölzl, Christoph
Altmann, Johannes
(31) 102015003701
102015006221
(32) 20.03.2015
13.05.2015
(33) Germany
Germany

(51) A01F 15/10
A01D 41/12
(11) EP3043633
(21) EP14783929.4
(47) 07.08.2019
(87) US2014054921
19.03.2015
(22) 10.09.2014
(54) COMBO CROP HARVESTER CROP TRANSFER MEANS
(73) AGCO Corporation
(72) HERRON, Maynard
(31) 201361875803 P
(32) 10.09.2013
(33) United States of America

(51) A01F 15/10
A01F 15/04
(11) EP3020267
(21) EP15193270.4
(47) 07.08.2019
(22) 15.06.2011
(54) TINE CONTROL FOR BALERS
(73) Forage Company B.V.
(72) DUENWALD, Thomas M.
BERGMANN, Thomas
REIJERSEN VAN BUUREN, Willem Jacobus
(31) 357159 P
(32) 22.06.2010
(33) United States of America

(51) A01F 29/22
B24B 3/42
(11) EP3020269
(21) EP15192886.8
(47) 07.08.2019
(22) 04.11.2015
(54) KNIFE SHARPENING APPARATUS FOR AN AGRICULTURAL MACHINE
(73) AGCO International GmbH
(72) Lindenmuller, Helge
(31) 201420220
(32) 13.11.2014
(33) United Kingdom

(51) A01G 7/04
F21V 29/56
F21Y 115/10
(11) EP2184967
(21) EP08803067.1
(47) 07.08.2019
(87) EP2008060776
19.02.2009
(22) 15.08.2008
(54) LED LIGHTING DEVICE FOR GROWING PLANTS
(73) Oreon Holding B.V.
(72) ROOYMANS, Johannes Otto
(31) 07114397
(32) 15.08.2007
(33) European Patent Office (EPO)

(51) A01G 9/08
(11) EP3259981
(21) EP17177570.3
(47) 07.08.2019
(22) 23.06.2017
(54) DRILL FOR AUTOMATED CREATION OF HOLES FOR PLANTS
(73) Phytowelt GreenTechnologies GmbH
(72) Balster, Hans-Joachim
(31) 102016111551
(32) 23.06.2016
(33) Germany

(51) A01G 9/12
F16B 7/22
A01G 17/06
(11) EP3358939
(21) EP16798382.4
(47) 07.08.2019
(87) DE2016100439
29.03.2018
(22) 20.09.2016
(54) Y-SHAPED ROD FOR THE CULTIVATION OF FRUIT
(73) Bacchus GmbH
(72) MEISER, Wolfgang

(51) A01H 1/02
(11) EP2966982
(21) EP14713694.9
(47) 07.08.2019
(87) US2014021269
25.09.2014
(22) 06.03.2014
(54) APPARATUS AND METHOD FOR DELIVERING POLLEN FOR DIRECTED POLLINATION OF PLANTS
(73) Pioneer Hi-Bred International, Inc.
(72) DE LA SOTTA, Jose Manuel
(31) 201361784503 P
(32) 14.03.2013
(33) United States of America

(51) A01H 1/08
A01H 1/00
(11) EP3048874
(21) EP14772335.7
(47) 07.08.2019
(87) EP2014070367
02.04.2015
(22) 24.09.2014
(54) HAPLOID EMBRYOGENESIS
(73) Stichting Wageningen Research
(72) BOUTILIER, Kimberly
ANGENENT, Gerrit Cornelis
SORIANO CASTAN, Mercedes
HUI, Li
(31) PCT/EP2013/069851
(32) 24.09.2013
(33) World Intellectual Property Office (WIPO)

(51) A01K 29/00
A61D 17/00
(11) EP3066918
(21) EP16162689.0
(47) 07.08.2019
(22) 10.06.2010
(54) OPTICALLY ASSISTED LIVESTOCK LOCATION DEVICE
(73) Big Dutchman International GmbH
(72) HOLLING, Daniel
MÜLLER, Henning
KRUSE, Klaus
(31) 202009008268 U
(32) 10.06.2009
(33) Germany

(51) A01K 67/00
C07K 14/47
C07K 19/00
C12N 1/00
C12N 5/02
C12N 5/10
C12N 15/12
C12N 15/62
C12N 15/63
C12P 21/02
(11) EP3219204
(21) EP17165360.3
(47) 07.08.2019
(22) 02.05.2005
(54) MUTANT RECEPTORS AND THEIR USE IN A NUCLEAR RECEPTOR-BASED INDUCIBLE GENE EXPRESSION SYSTEM
(73) Intrexon Corporation
(72) PALLI, Subba, Reddy
KUMAR, Mohan, Basavaraju
(31) 567294 P
609424 P
118855
(32) 30.04.2004
13.09.2004
29.04.2005
(33) United States of America
United States of America
United States of America

(51) A01K 89/015
(11) EP2926655
(21) EP13858026.1
(47) 07.08.2019
(87) JP2013081160
05.06.2014
(22) 19.11.2013
(54) FISHING REEL
(73) Globeride, Inc.
(72) UMEZAWA, Yuuichi
KANO, Shuta
(31) 2012260550
(32) 29.11.2012
(33) Japan

(51) A01M 1/02
A01M 1/04
(11) EP2401912
(21) EP10746133.7
(47) 07.08.2019
(87) JP2010052475
02.09.2010
(22) 18.02.2010
(54) DESTRUCTIVE INSECT-CONTROLLING DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) YAMADA, Makoto
ISHIWATA, Masaki
(31) 2009040695
2009040761
(32) 24.02.2009
24.02.2009
(33) Japan
Japan

(51) A01M 1/02
A01M 1/20
A01G 13/10
(11) EP2854525
(21) EP13800117.7
(47) 07.08.2019
(87) US2013044164
12.12.2013
(22) 04.06.2013
(54) PEST CONTROL APPARATUS AND PROCESS OF MANUFACTURE
(73) Suterra LLC
(72) LAWRENCE, Michael
NETTER, Ernest
DETWILER, Cheyne
(31) 201261655418 P
201361829933 P
(32) 04.06.2012
31.05.2013
(33) United States of America
United States of America

(51) A01M 23/30
(11) EP3298891
(21) EP16190038.6
(47) 07.08.2019
(22) 22.09.2016
(54) SNAP TRAP ENCLOSURE ADAPTED FOR REDUCING NON-TARGET BYCATCHES
(73) Camro A/S
(72) Sørensen, Kurt

(51) A01N 25/00
A01N 63/00
A01N 43/12
A01N 47/06
(11) EP2854532
(21) EP13726744.9
(47) 07.08.2019
(87) EP2013061033
05.12.2013
(22) 29.05.2013
(54) COMPOSITIONS COMPRISING A BIOLOGICAL CONTROL AGENT AND AN INSECTICIDE
(73) Bayer CropScience AG
(72) HELLWEGE, Elke
ANDERSCH, Wolfram
SPRINGER, Bernd
STENZEL, Klaus
(31) 12169936
12197135
(32) 30.05.2012
14.12.2012
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A01N 25/04
A01N 39/04
A01N 57/20
A01P 13/00
(11) EP2827714
(21) EP13764576.8
(47) 07.08.2019
(87) US2013031450
26.09.2013
(22) 14.03.2013
(54) TANKMIX ADDITIVE CONCENTRATES CONTAINING TRIGLYCERIDE FATTY ACID ESTERS AND METHODS OF USE

(73) Dow AgroSciences LLC
(72) SHAO, Hui
TANK, Holger
(31) 201261614663 P
(32) 23.03.2012
(33) United States of America

(51) A01N 33/04
A01N 31/14
A01N 33/12
A61L 2/16
A01P 1/00
C11D 7/26
C11D 7/32
(11) EP3079467
(21) EP13798316.9
(47) 07.08.2019
(87) EP2013074852
04.06.2015
(22) 27.11.2013
(54) DISINFECTANT CLEANER COMPOSITION HAVING TUBERCULOCIDAL EFFICACY AND EFFICACY AGAINST SPECIFIC VIRUSES
(73) Ecolab USA Inc.
(72) LOHRMANN, Elke
KURZAWE, Christoph
MEYER, Bernhard

(51) A01N 37/50
A01N 43/56
A01N 43/653
A01N 47/30
A01P 21/00
(11) EP2964023
(21) EP14707194.8
(47) 07.08.2019
(87) EP2014053996
12.09.2014
(22) 28.02.2014
(54) USE OF N-(2-METHOXYBENZOYL)-4-[METHYLAMINOCARBONYL)AMINO]BENZENESULFONAMIDE IN COMBINATION WITH AN INSECTICIDE OR FUNGICIDE FOR IMPROVING PLANT YIELD
(73) Bayer CropScience Aktiengesellschaft
(72) BICKERS, Udo
LEHR, Stefan
TRABOLD, Klaus
SCHMIDT, Mathias
HILLS, Martin Jeffrey
RUIZ-SANTAELLA MORENO, Juan Pedro
HACKER, Erwin
(31) 13157805
(32) 05.03.2013
(33) European Patent Office (EPO)

(51) A01N 59/00
B65D 81/32
B65D 83/08
(11) EP3407721
(21) EP17702799.2
(47) 07.08.2019
(87) EP2017051437
03.08.2017
(22) 24.01.2017
(54) DISINFECTANT WIPES
(73) Tristel PLC
(72) SHABANOVA, Julija
JANSEN, Esther
BALLINGER, Matthew
(31) 201601575
(32) 28.01.2016
(33) United Kingdom

(51) A01P 13/00
A01N 39/02
A01N 39/04
A01N 43/40
A01N 25/02
A01N 25/04
A01N 25/24
A01N 25/32
(11) EP2744347
(21) EP12823900.1
(47) 07.08.2019
(87) US2012050871
21.02.2013
(22) 15.08.2012
(54) COMPLEXES OF HERBICIDAL CARBOXYLIC ACIDS AND AMINE-CONTAINING POLYMERS OR OLIGOMERS
(73) Dow AgroSciences LLC
(72) LIU, Lei
ZHANG, Hong
KENNEDY, Alex
TANK, Holger
OUSE, David, G.
GIFFORD, James, M.
ZHAO, Min
(31) 201161523958 P
(32) 16.08.2011
(33) United States of America

(51) A01P 13/00
A01N 43/18
A01N 47/36
A01N 43/90
A01N 43/54
A01N 37/22
A01N 43/80
A01N 43/38
A01N 43/40
A01N 39/02
A01N 43/60
(11) EP3187049
(21) EP16204918.3
(47) 07.08.2019
(22) 06.10.2014
(54) HERBICIDAL COMPOSITION COMPRISING THE ACC INHIBITOR CYCLOXYDIM
(73) BASF SE
(72) MORE, Dwight
(31) 13189088
201361893294 P
201462052494 P
(32) 17.10.2013
21.10.2013
19.09.2014
(33) European Patent Office (EPO)
United States of America
United States of America

(51) A21B 1/48
A21B 1/24
(11) EP2740361
(21) EP13195615.3
(47) 07.08.2019
(22) 04.12.2013
(54) Spiral oven with reversible air flow and method for controlling the air flow
(73) Unitherm Food Systems, LLC
(72) Howard, David
Laur, Austen
(31) 201213708393
(32) 07.12.2012
(33) United States of America

(51) A21B 3/13
(11) EP3102037
(21) EP15708334.6
(47) 07.08.2019
(87) IB2015050881
13.08.2015
(22) 05.02.2015
(54) A COOKING MOULD FOR FOOD PRODUCTS AND PROCESS FOR REALISING THE SAME
(73) Novacart S.P.A.
(72) ANGHILERI, Gianmario
(31) MI20140172
(32) 06.02.2014
(33) Italy

(51) A21C 3/02
A21C 11/22
(11) EP3166410
(21) EP15818343.4
(47) 07.08.2019
(87) FI2015050408
14.01.2016
(22) 10.06.2015
(54) METHOD FOR PRODUCING ELONGATE FOODSTUFFS
(73) Polar Device OY
(72) LI, Haili
LI, Lina
LI, Yafu
DENG, Chengqian
(31) 20145654
(32) 07.07.2014
(33) Finland

(51) A21C 7/01
(11) EP2708132
(21) EP13182611.7
(47) 07.08.2019
(22) 02.09.2013
(54) Rounding drum assembly with three motors
(73) WP Kemper GmbH
(72) Engelmeier, Christian
Nolte, Manfred
(31) 102012216201
(32) 12.09.2012
(33) Germany

(51) A22C 11/02
(11) EP3415012
(21) EP17175681.0
(47) 07.08.2019
(22) 13.06.2017
(54) FOOD PROCESSING MACHINE IN THE FORM OF A FILLING MACHINE FOR SAUSAGE PRODUCTION
(73) Albert Handtmann Maschinenfabrik GmbH & Co. KG
(72) Maile, Bernd

(51) A22C 17/10
A22C 11/00
(11) EP3367803

(21) EP15794088.3
(47) 07.08.2019
(87) EP2015074407
27.04.2017
(22) 21.10.2015
(54) METHOD FOR PRODUCING SAUSAGES HAVING PEEL-OFF CASINGS AND PRODUCTION SYSTEM FOR SAUSAGES HAVING PEEL-OFF CASINGS
(73) Schröter Technologie GmbH & Co. KG
(72) DEGENHARDT, Joao

(51) A23C 9/13
A23C 9/152
A23C 21/06
A23C 21/10
A61K 33/06
A23L 33/16
(11) EP3402337
(21) EP17700227.6
(47) 07.08.2019
(87) EP2017050408
20.07.2017
(22) 10.01.2017
(54) MILK CALCIUM IN DISPERSIBLE POWDER FORM, METHOD OF PREPARATION THEREOF AND USE OF SAME TO ENRICH FOOD WITH CALCIUM
(73) Compagnie Laitiere Europeenne
(72) LAROCHE, Christophe
KERRIOU, Liliane
KERVINIO, Audrey
(31) 1650206
(32) 11.01.2016
(33) France

(51) A23D 7/00
A23D 9/00
A23D 9/013
(11) EP2651231
(21) EP11848853.5
(47) 07.08.2019
(87) US2011064430
21.06.2012
(22) 12.12.2011
(54) HEAT TOLERANT LIPID-BASED FILLING
(73) Intercontinental Great Brands LLC
(72) COUTTENYE, Richard
SCHULOK, James
(31) 423476 P
(32) 15.12.2010
(33) United States of America

(51) A23F 5/36
A23F 5/28
A23F 5/40
(11) EP3193625
(21) EP15736037.1
(47) 07.08.2019
(87) IB2015001073
17.03.2016
(22) 16.06.2015
(54) MANUFACTURING SOLUBLE BEVERAGE PRODUCTS
(73) Koninklijke Douwe Egberts B.V.
(72) YITZCHAK, Grant
SILANES KENNY, Javi
HAYLETT, Andrew
(31) 201416162
(32) 12.09.2014
(33) United Kingdom

(51) A23G 1/00
A23G 1/20
A23G 1/54
A23G 3/34
A23G 3/20
A23G 3/28
A23G 3/54
A23G 9/24
A23G 9/28
A23G 9/48
A23G 9/50
(11) EP3223622
(21) EP15793776.4
(47) 07.08.2019
(87) EP2015076057
02.06.2016
(22) 09.11.2015
(54) APPLICATOR FOR APPLYING LIQUID COATINGS
(73) Société des Produits Nestlé S.A.
(72) AMEND, Thomas Aloisius Valentinus
(31) 201462085452 P
(32) 28.11.2014
(33) United States of America

(51) A23G 1/00
A23G 1/30
A23C 9/13
A23G 9/42
(11) EP3013154
(21) EP14817583.9
(47) 07.08.2019
(87) US2014040786
31.12.2014
(22) 04.06.2014
(54) PROCESS FOR PRODUCING DARK BROWN NATURAL COCOA
(73) Olam International Limited
(72) DE MUIJNCK, Leanne
(31) 201361839100 P
(32) 25.06.2013
(33) United States of America

(51) A23G 1/02
A23L 33/10
A23L 25/00
A23G 1/00
A23F 5/02
A23F 5/16
(11) EP2986134
(21) EP14765389.3
(47) 07.08.2019
(87) US2014029989
18.09.2014
(22) 15.03.2014
(54) METHOD FOR MAKING MYCELIATED COFFEE PRODUCTS
(73) MycoTechnology, Inc.
(72) KELLY, Brooks, John
LANGAN, James, Patrick
(31) 201361802256 P
201313844685
201313859719
201313874832
201361844498 P
201361857671 P
201361866371 P
201361867501 P
201314020512
201314020781
201361878037 P
201361896097 P
(32) 15.03.2013
15.03.2013
09.04.2013
01.05.2013
10.07.2013
23.07.2013
15.08.2013
19.08.2013
06.09.2013
06.09.2013
15.09.2013
27.10.2013
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) A23G 3/54
B65D 65/46
A23L 27/30
A23P 30/20
A23L 29/30
A23G 3/42
A23G 9/50
(11) EP2750521
(21) EP12773118.0
(47) 07.08.2019
(87) IB2012054403
07.03.2013
(22) 28.08.2012
(54) PROCESS FOR THE PREPARATION OF TRANSPARENT COMESTIBLE MATERIALS, USEFUL AS RECIPIENTS FOR FOOD PRODUCTS AND THEIR APPLICATIONS
(73) Bouaziz, Hassouna
(72) Bouaziz, Hassouna
(31) 1157645
(32) 30.08.2011
(33) France

(51) A23G 9/28
A23G 9/48
(11) EP2845493
(21) EP14187178.0
(47) 07.08.2019
(22) 11.01.2011
(54) Frozen confectionery product with layered structure and apparatus for manufacturing same
(73) Société des Produits Nestlé S.A.
(72) Ricco, Massimilliano
Marchon, Jean-Michel
(31) 10150904
(32) 15.01.2010
(33) European Patent Office (EPO)

(51) A23G 9/32
A23G 9/48

A23P 20/10
A23P 20/17
(11) EP3355712
(21) EP16774678.3
(47) 07.08.2019
(87) EP2016073374
06.04.2017
(22) 29.09.2016
(54) METHOD OF MANUFACTURING A FROZEN CONFECTION WITH LOW SFA COATING
(73) Société des Produits Nestlé S.A.
(72) RAY, Joydeep
SCHAFER, Olivier
BUCZKOWSKI, Johann
(31) 15187786
(32) 30.09.2015
(33) European Patent Office (EPO)

(51) A23G 9/32
A23L 5/00
(11) EP3079492
(21) EP14805280.6
(47) 07.08.2019
(87) EP2014075984
18.06.2015
(22) 28.11.2014
(54) USE OF AN ICE-CREAM WAFER COATING
(73) Société des Produits Nestlé S.A.
(72) CHANDRASEKARAN, Shantha Nalur
(31) 13196536
(32) 10.12.2013
(33) European Patent Office (EPO)

(51) A23K 10/20
A23K 50/42
A23K 40/25
(11) EP3273794
(21) EP16710496.7
(47) 07.08.2019
(87) IB2016051516
29.09.2016
(22) 17.03.2016
(54) METHOD USING FRESH OR FROZEN MEAT TO IMPROVE FOOD EFFICIENCY IN ANIMALS SUCH AS DOGS
(73) Société des Produits Nestlé S.A.
(72) BOUTHEGOURD, Jean-Christophe
ROOS, Mark Alan
CLETY, Nathalie
DOARE-BROUX, Karine
LORCY, Gwendal
(31) 201562136701 P
(32) 23.03.2015
(33) United States of America

(51) A23K 50/80
A23K 20/10
(11) EP3395182
(21) EP18176475.4
(47) 07.08.2019
(22) 16.01.2007
(54) FEED FOR FISH COMPRISING CARVACROL AND OPTIONALLY SALVIA EXTRACT
(73) Nutreco IP Assets B.V.
(72) KOPPE, Wolfgang
OBACH, Alex
FONTANILLAS, Ramon
(31) 0602426
(32) 07.02.2006
(33) United Kingdom

(51) A23L 3/015
A23B 7/005
A23B 7/148
B65B 55/06
(11) EP2704583
(21) EP12720416.2
(47) 07.08.2019
(87) EP2012001903
15.11.2012
(22) 03.05.2012
(54) METHOD OF PRESERVING MUSHROOMS
(73) Scelta Essenza Holding B.V.
(72) KLERKEN, Johannes, Gerardus, Maria
BARTELS, Gerard
(31) 2006738
(32) 06.05.2011
(33) Netherlands

(51) A23L 3/48
A23B 7/028
A23L 23/10
(11) EP3416499
(21) EP17700798.6
(47) 07.08.2019
(87) EP2017050443
24.08.2017
(22) 11.01.2017
(54) A PROCESS FOR PREPARING A DEHYDRATED FOOD COMPOSITION
(73) Unilever N.V.
(72) ACHARYA, Parag
(31) 16156349
(32) 18.02.2016
(33) European Patent Office (EPO)

(51) A23L 5/00
A23L 27/00
A61K 9/16
A61K 8/11
(11) EP3019028
(21) EP14738568.6
(47) 07.08.2019
(87) FR2014051551
31.12.2014
(22) 20.06.2014
(54) PROCESS FOR THE PRODUCTION OF GRANULES COMPRISING AN ACTIVE, HAVING IMPROVED SHELF LIFE AND LEVEL OF ACTIVE
(73) Expressions Aromatiques
(72) CARPENTIER, Vincent
RAVEL, Bénédicte
(31) 1356086
(32) 25.06.2013
(33) France

(51) A23L 5/00
A61K 35/00
(11) EP2991507
(21) EP14726214.1
(47) 07.08.2019
(87) NO2014050061
30.10.2014
(22) 22.04.2014
(54) USE OF A COMPOSITION COMPRISING FISH OIL AND JUICE FOR THE TREATMENT AND/OR POST TREATMENT OF CANCER
(73) Smartfish AS
(72) MATHISEN, Janne Sande
(31) 20130552
(32) 22.04.2013
(33) Norway

(51) A23L 7/196
A23L 33/10
A23L 33/15
A23L 33/16
A23L 5/10
(11) EP2068649
(21) EP07848225.4
(47) 07.08.2019
(87) FR2007001485
20.03.2008
(22) 13.09.2007
(54) METHOD FOR PROCESSING RICE GRAINS AND CORRESPONDING RICE GRAIN
(73) Panzani
(72) MINIER, Chantal, Lucie, Paulette
AREKION, Isabelle, Françoise
(31) 0608056
(32) 13.09.2006
(33) France

(51) A23L 19/20
A23L 13/40
A23C 19/032
A21D 8/04
A23B 7/10
C12G 1/02
C12P 7/54
C12P 7/06
C12P 7/56
C12C 5/00
C12C 11/00
C12G 1/06
C12J 1/00
A21D 2/08
A23C 13/16
(11) EP3371293
(21) EP16805225.6
(47) 07.08.2019
(87) NL2016050771
11.05.2017
(22) 04.11.2016
(54) FERMENTATION
(73) Coöperatie Avebe U.A.
(72) GIUSEPPIN, Marco Luigi Federico
MOOIJ, Catharina Maria Antoinette
SPELBRINK, Robin Eric Jacobus
(31) 15193462
(32) 06.11.2015
(33) European Patent Office (EPO)

(51) A23L 27/20
(11) EP3169166
(21) EP16815058.9
(47) 07.08.2019
(87) US2016037374
29.12.2016
(22) 14.06.2016
(54) CYCLOHEXANECARBOXYLIC ACIDS FOR SELECTIVE TASTE MASKING
(73) International Flavors & Fragrances Inc.
(72) SINGH, Haribansh Kumar
JOHN, Thumpalasseril V.
KIM, Jung-A
RENNIE, Laura

SINGH, Ajay Pratap
MURANO, Kathryn
(31) 201514746251
(32) 22.06.2015
(33) United States of America

(51) A23L 29/30
A23L 27/30
A23L 27/60
A23L 5/00
A23L 2/60
A23C 9/13
A23G 4/06
A23G 3/36
A23C 9/156
A21D 2/18
A23P 10/22
A23P 10/20
C13B 50/00
(11) EP2934193
(21) EP13811164.6
(47) 07.08.2019
(87) EP2013076635
26.06.2014
(22) 16.12.2013
(54) CO-CRYSTALLIZED SWEETENERS
(73) Firmenich SA
(72) GREGSON, Christopher M.
SILLICK, Matthew P.
BARRA, Jérôme
DI PIETRO, Angela
(31) 201261745412 P
(32) 21.12.2012
(33) United States of America

(51) A23L 33/21
A23L 29/30
(11) EP3128860
(21) EP15715097.0
(47) 07.08.2019
(87) US2015022732
01.10.2015
(22) 26.03.2015
(54) CARBOHYDRATE COMPOSITION AND PROCESS FOR MAKING A CARBOHYDRATE COMPOSITION
(73) Cargill, Incorporated
(72) VERCAUTEREN, Ronny Leontina Marcel
(31) 14161666
(32) 26.03.2014
(33) European Patent Office (EPO)

(51) A23N 15/04
A23N 15/08
B26D 3/26
(11) EP3387917
(21) EP17166542.5
(47) 07.08.2019
(22) 13.04.2017
(54) DEVICE AND METHOD FOR CUTTING NATURAL PRODUCTS
(73) GEGE Machinebouw B.V.
(72) van Asseldonk, Johannes Maria

(51) A24B 3/02
A24B 3/04
A24B 3/12
A24B 15/24
A24B 1/02
(11) EP3379949
(21) EP16805045.8
(47) 07.08.2019
(87) EP2016078870
01.06.2017
(22) 25.11.2016
(54) PROCESS AND APPARATUS TO OBTAIN TOBACCO FLAVOR EXTRACTS
(73) Philip Morris Products S.A.
(72) BUEHLER, Frédéric Ulysse
THORENS, Michel
SILVESTRINI, Patrick Charles
(31) 15196669
(32) 27.11.2015
(33) European Patent Office (EPO)

(51) A24B 13/00
A24B 15/00
A24B 15/24
A24B 15/14
A24B 15/30
(11) EP2448434
(21) EP10802629.5
(47) 07.08.2019
(87) US2010040382
27.01.2011
(22) 29.06.2010
(54) SMOKELESS TOBACCO PRODUCT
(73) Philip Morris Products S.A.
(72) FUISZ, Richard, C.
(31) 494960
(32) 30.06.2009
(33) United States of America

(51) A24C 5/32
A24C 5/33
H02J 50/10
(11) EP3323301
(21) EP17202674.2
(47) 07.08.2019
(22) 21.11.2017
(54) DEVICE FOR TESTING, PROCESSING AND/OR CONVEYING ARTICLES OF THE TOBACCO PROCESSING INDUSTRY
(73) Hauni Maschinenbau GmbH
(72) Hansen, Volker
Gögel, Patrick
(31) 102016122465
(32) 22.11.2016
(33) Germany

(51) A24D 1/02
(11) EP3316709
(21) EP16734757.4
(47) 07.08.2019
(87) IB2016053793
05.01.2017
(22) 24.06.2016
(54) HYDROPHOBIC SMOKING ARTICLE TUBE
(73) Philip Morris Products S.A.
(72) BESSO, Clement
GUYARD, Aurelien
MIVELAZ, Benoit
(31) 201562187504 P
(32) 01.07.2015
(33) United States of America

(51) A24D 3/04
(11) EP3295812
(21) EP17186880.5
(47) 07.08.2019
(22) 20.12.2012
(54) SMOKING ARTICLES, AND OTHER FLOW DELIVERY ARTICLES
(73) British American Tobacco (Investments) Limited
(72) JOHNSON, Trevor
FROBISHER, Paul
AWTY, Edward
NICHOLLS, Jane
NANDRA, Charanjit
NEWNHAM, Michael
BOAST, David
SMITH, Simon
ABERCROMBIE, Stuart
(31) 201121920
201121922
(32) 20.12.2011
20.12.2011
(33) United Kingdom
United Kingdom

(51) A24F 47/00
(11) EP2797449
(21) EP12821115.8
(47) 07.08.2019
(87) EP2012077091
04.07.2013
(22) 28.12.2012
(54) SMOKING ARTICLE WITH FRONT-PLUG AND AEROSOL-FORMING SUBSTRATE AND METHOD
(73) Philip Morris Products S.A.
(72) ZUBER, Gérard
BADERTSCHER, Thomas
MEYER, Cédric
LOUVET, Alexis
(31) 11196203
(32) 30.12.2011
(33) European Patent Office (EPO)

(51) A24F 47/00
(11) EP3076809
(21) EP14806332.4
(47) 07.08.2019
(87) EP2014076651
11.06.2015
(22) 04.12.2014
(54) THERMAL LAMINATE RODS FOR USE IN AEROSOL-GENERATING ARTICLES
(73) Philip Morris Products S.A.
(72) MALGAT, Alexandre
ROUDIER, Stephane
BORGES DE COURAÇA, Ana Carolina
LAVANCHY, Frederic
MEYER, Cedric
(31) 13195904
(32) 05.12.2013
(33) European Patent Office (EPO)

(51) A24F 47/00
(11) EP3076811
(21) EP14806657.4
(47) 07.08.2019
(87) EP2014076652
11.06.2015
(22) 04.12.2014
(54) HEATED AEROSOL GENERATING ARTICLE WITH THERMAL SPREADING ENDPIECE
(73) Philip Morris Products S.A.
(72) MALGAT, Alexandre
ROUDIER, Stephane

BORGES COURAÇA, Ana Carolina
LAVANCHY, Frederic
MEYER, Cedric
(31) 13195907
(32) 05.12.2013
(33) European Patent Office (EPO)

(51) A24F 47/00
(11) EP3307098
(21) EP16730007.8
(47) 07.08.2019
(87) IB2016053406
15.12.2016
(22) 09.06.2016
(54) SENSING IN AEROSOL GENERATING ARTICLES
(73) Philip Morris Products S.A.
(72) BATISTA, Rui
(31) 15171977
(32) 12.06.2015
(33) European Patent Office (EPO)

(51) A24F 47/00
A61M 15/06
(11) EP3165101
(21) EP16165071.8
(47) 07.08.2019
(22) 31.01.2013
(54) ELECTRONIC CIGARETTE
(73) Altria Client Services LLC
(72) TUCKER, Christopher S.
JORDAN, Geoffrey Brandon
SMITH, Barry S.
ROSTAMI, Ali A.
MULLINS,Michael J.
(31) 201261593004 P
201313741267
(32) 31.01.2012
14.01.2013
(33) United States of America
United States of America

(51) A41B 9/00
A41D 1/08
D04B 1/24
(11) EP3264926
(21) EP16710582.4
(47) 07.08.2019
(87) US2016020673
15.09.2016
(22) 03.03.2016
(54) CIRCULAR KNITTED GARMENT FOR LOWER TORSO
(73) NIKE Innovate C.V.
(72) TURNER, David
(31) 201514640487
(32) 06.03.2015
(33) United States of America

(51) A41G 5/00
(11) EP1982607
(21) EP07450135.4
(47) 07.08.2019
(22) 09.08.2007
(54) Thermoplastic hair connecting element
(73) Hairdreams Haarhandels GmbH
(72) Ott, Gerhart
(31) 2932007
(32) 23.02.2007
(33) Austria

(51) A42B 3/00
A42B 3/04
(11) EP3313221
(21) EP16732659.4
(47) 07.08.2019
(87) EP2016065055
05.01.2017
(22) 28.06.2016
(54) SUPPORT FOR A HELMET
(73) De Arquer Recio, Luis
(72) DE ARQUER RECIO, Luis
NOLLA JUAN, Sergi
(31) 201530758 U
(32) 29.06.2015
(33) Spain

(51) A42B 3/04
F16K 5/20
(11) EP3294083
(21) EP16733686.6
(47) 07.08.2019
(87) IB2016052768
17.11.2016
(22) 13.05.2016
(54) SYSTEM FOR SUPPORTING THE HEAD-HELMET UNIT OF A PASSENGER INSIDE A VEHICLE
(73) B.M.A. Buizza Mazzei Agency S.r.l.
(72) DAL MONTE, Antonio
(31) UB20150207
(32) 14.05.2015
(33) Italy

(51) A42B 3/18
A61F 9/02
G02C 3/02
(11) EP3366153
(21) EP18154344.8
(47) 07.08.2019
(22) 31.01.2018
(54) PROTECTIVE HELMET WITH FLIP-UP VISOR/GOGGLES
(73) Ci.Erre.E. S.R.L.
(72) Pilenga, Paolo
(31) 201700021390
(32) 24.02.2017
(33) Italy

(51) A43B 5/04
(11) EP3000343
(21) EP14425119.6
(47) 07.08.2019
(22) 26.09.2014
(54) Articulated and slotted inner boot for sports footwear
(73) Rossignol Lange S.R.L.
(72) Zanatta, Luca
Cavallin, Michele

(51) A43C 11/00
A43B 23/02
A43C 11/16
A43C 11/20
(11) EP3181003
(21) EP15831265.2
(47) 07.08.2019
(87) JP2015067004
18.02.2016
(22) 12.06.2015
(54) SHOELACE WINDING APPARATUS
(73) Japana Co., Ltd.
(72) MIDORIKAWA, Shinobu
(31) 2014163867
(32) 11.08.2014
(33) Japan

(51) A43D 1/06
(11) EP3154388
(21) EP15733639.7
(47) 07.08.2019
(87) EP2015062862
17.12.2015
(22) 09.06.2015
(54) MEASURING INSTRUMENT
(73) Schuhvision GmbH
(72) STOCKER, Robert
(31) 102014108302
(32) 12.06.2014
(33) Germany

(51) A43D 95/10
A43B 7/28
A43B 5/04
(11) EP3397106
(21) EP16828917.1
(47) 07.08.2019
(87) AT2016060138
06.07.2017
(22) 30.12.2016
(54) APPARATUS AND METHOD FOR ADAPTING THE SHELL OF A SKI BOOT TO A FOOT
(73) Fischer Sports GmbH
(72) PIEBER, Alois
RESCH, Franz
(31) 511142015
(32) 30.12.2015
(33) Austria

(51) A44B 11/25
(11) EP3302161
(21) EP16727521.3
(47) 07.08.2019
(87) EP2016062988
15.12.2016
(22) 08.06.2016
(54) ILLUMINATED SAFETY BELT BUCKLE FOR A SAFETY BELT DEVICE OF A MOTOR VEHICLE
(73) Autoliv Development AB
(72) SÖHNCHEN, Arndt
ROTARIU, Iulian
(31) 102015210450
(32) 08.06.2015
(33) Germany

(51) A44B 19/30
(11) EP3009026
(21) EP13886902.9
(47) 07.08.2019
(87) JP2013066075
18.12.2014
(22) 11.06.2013
(54) SLIDER FOR SLIDE FASTENER
(73) YKK Corporation
(72) HAMADA, Yoshikazu
HANYU, Masahiro

(51) A44C 17/02
(11) EP3155922
(21) EP16194300.6
(47) 07.08.2019
(22) 18.03.2014
(54) ORNAMENT
(73) Crossfor Co., Ltd.

(72) DOBASHI, Hidetaka
(31) 2013190211
(32) 13.09.2013
(33) Japan

(51) A45D 1/00
A45D 1/06
A45D 1/08
A45D 1/12
A45D 1/14
(11) EP3429420
(21) EP17710702.6
(47) 07.08.2019
(87) EP2017055467
21.09.2017
(22) 08.03.2017
(54) HAIR-STYLING DEVICE FOR CURLING OR WAVING HAIR AND METHOD FOR OPERATING SUCH A HAIR-STYLING DEVICE
(73) WIK Far East Ltd.
(72) KOCK, Marwin
(31) 202016101485 U
202016005287 U
(32) 17.03.2016
31.08.2016
(33) Germany
Germany

(51) A45D 8/34
(11) EP3351132
(21) EP18152237.6
(47) 07.08.2019
(22) 18.01.2018
(54) REFLECTIVE SPIRAL TIP HOLDER AND METHOD FOR ITS PRODUCTION
(73) PARSA Haar- und Modeartikel GmbH
(72) Hofer, Heiko
(31) 102017200838
(32) 19.01.2017
(33) Germany

(51) A45D 20/12
A45D 20/10
(11) EP3328239
(21) EP16744819.0
(47) 07.08.2019
(87) FR2016051764
02.02.2017
(22) 08.07.2016
(54) HAIR DRYER WITH AN IMPROVED AIR INLET PIPELINE
(73) SEB S.A.
(72) LAUCHET, Nicolas
(31) 1557228
(32) 28.07.2015
(33) France

(51) A45D 26/00
(11) EP3183992
(21) EP16193384.1
(47) 07.08.2019
(22) 11.10.2016
(54) SKIN TREATMENT APPARATUS
(73) Braun GmbH
(72) Mehaddene, Tarik
Grieshaber, Frieder
Kraus, Bernhard
Klemm, Torsten
(31) 15202029
(32) 22.12.2015
(33) European Patent Office (EPO)

(51) A46B 7/08
A46B 9/02
A47L 5/30
A47L 11/40
A46B 13/00
A47L 11/24
(11) EP3031352
(21) EP15195760.2
(47) 07.08.2019
(22) 23.11.2015
(54) SIDE BRUSH FOR A SUCTION ROBOT AND SUCTION ROBOT WITH A SIDE BRUSH
(73) Miele & Cie. KG
(72) Maoro, Carina
Thamm, Markus
Pott, Thomas
Hanschur-Steiner, Mark
Döring, Sebastian
Buchholz, Thomas
Buhl, David
Roth, Martin
(31) 102014118136
(32) 08.12.2014
(33) Germany

(51) A46B 9/06
A46B 9/02
A46B 9/04
A46D 3/04
A46B 15/00
(11) EP3223660
(21) EP14825575.5
(47) 07.08.2019
(87) US2014072075
30.06.2016
(22) 23.12.2014
(54) ORAL CARE IMPLEMENT
(73) Colgate-Palmolive Company
(72) JIMENEZ, Eduardo J.
WAGUESPACK, Kenneth
MOSKOVICH, Robert
KIRCHHOFER, Roger
BIERI, Kurt

(51) A46B 11/00
A47L 11/40
(11) EP3313231
(21) EP16729599.7
(47) 07.08.2019
(87) EP2016064054
29.12.2016
(22) 17.06.2016
(54) CLEANING DEVICE WITH A CLEANING ROLLER THAT CAN BE ROTATED ABOUT AN AXIS OF ROTATION
(73) Vorwerk & Co. Interholding GmbH
(72) PFEIFFER, Matthias
(31) 102015110025
(32) 23.06.2015
(33) Germany

(51) A47B 57/38
A47B 96/07
H05K 7/14
A47B 88/407
A47B 88/427
A47B 88/43
A47B 57/34
H05K 7/18
F16M 13/02
E05C 3/14
(11) EP3449766
(21) EP18166078.8
(47) 07.08.2019
(22) 06.04.2018
(54) SLIDE RAIL MECHANISM
(73) King Slide Works Co., Ltd.
King Slide Technology Co., Ltd.
(72) CHEN, Ken-Ching
YANG, Shun-Ho
CHEN, Yao-Tsung
HUANG, Chien-Li
WANG, Chun-Chiang
(31) 106130066
(32) 31.08.2017
(33) Taiwan, Province of China

(51) A47B 88/00
B65D 6/02
B65D 6/00
A47B 96/02
(11) EP3266346
(21) EP16177679.4
(47) 07.08.2019
(22) 04.07.2016
(54) STORAGE COMPARTMENT WHICH CAN BE INSTERED IN A CABINET
(73) Peka-Metall AG
(72) Weber, Bernhard
Meyer, Franz

(51) A47B 88/407
(11) EP3153064
(21) EP16191339.7
(47) 07.08.2019
(22) 29.09.2016
(54) REMOVABLE CONNECTION DEVICE FOR A MOBILE DRAWER GUIDED BY A GUIDING UNIT IN A FURNITURE BODY
(73) Grass GmbH
(72) Lucas, Tim
(31) 202015006933 U
(32) 05.10.2015
(33) Germany

(51) A47B 88/467
A47F 1/12
A47B 88/53
G07F 17/00
A47F 3/06
A47F 5/00
A47B 88/49
A47B 88/473
(11) EP3245906
(21) EP17181230.8
(47) 07.08.2019
(22) 08.05.2015
(54) INCLINED SHELVING UNIT
(73) Gebr. Willach GmbH
(72) Willach, Jens
Schmidt, Klaus-Dieter
(31) 102014209110
(32) 14.05.2014
(33) Germany

(51) A47B 88/49
A47B 88/50
F16C 29/10
A47B 88/423
(11) EP3440961
(21) EP18155271.2

(47) 07.08.2019
(22) 06.02.2018
(54) SLIDE RAIL ASSEMBLY AND RAIL KIT THEREOF
(73) King Slide Works Co., Ltd.
King Slide Technology Co., Ltd.
(72) CHEN, Ken-Ching
YANG, Shun-Ho
YEH, Chih-Hsin
WANG, Chun-Chiang
(31) 106127400
(32) 10.08.2017
(33) Taiwan, Province of China

(51) A47B 91/02
A47B 91/16
(11) EP3323316
(21) EP17198911.4
(47) 07.08.2019
(22) 27.10.2017
(54) HOME APPLIANCE DEVICE
(73) BSH Hausgeräte GmbH
(72) Ciyanoglu, Mehmet
Sahin, Aydin
Yildizgöcer, Tanzer
Önder, Cahit
(31) 201615357416
(32) 21.11.2016
(33) United States of America

(51) A47C 1/035
(11) EP3125725
(21) EP15774219.8
(47) 07.08.2019
(87) US2015023316
08.10.2015
(22) 30.03.2015
(54) ZERO-WALL CLEARANCE LINKAGE MECHANISM FOR A DUAL MOTOR LIFTING RECLINER
(73) L & P Property Management Company
(72) LAWSON, Gregory M.
(31) 201414245382
(32) 04.04.2014
(33) United States of America

(51) A47C 7/44
A47C 3/026
(11) EP3245902
(21) EP16737242.4
(47) 07.08.2019
(87) JP2016050112
21.07.2016
(22) 05.01.2016
(54) REACTION FORCE MECHANISM AND CHAIR USING SAME
(73) Okamura Corporation
(72) MASUNAGA, Hiroshi
(31) 2015006878
(32) 16.01.2015
(33) Japan

(51) A47C 13/00
F16B 12/10
F16B 12/40
F16B 7/04
F16B 12/00
(11) EP3367846
(21) EP16787458.5
(47) 07.08.2019
(87) EP2016075873
04.05.2017
(22) 27.10.2016
(54) BED AND UPHOLSTERED FURNITURE
(73) Hettich Franke GmbH & Co. KG
(72) STAUSS, Gerd
RIEDMÜLLER, Holger
(31) 102015118402
(32) 28.10.2015
(33) Germany

(51) A47C 19/00
A47C 19/02
A47C 20/04
(11) EP3046444
(21) EP14781614.4
(47) 07.08.2019
(87) GB2014000372
26.03.2015
(22) 17.09.2014
(54) ADJUSTABLE BED
(73) DewertOkin GmbH
(72) BROOM, Gary
WALKER, Chris
(31) 201316684
(32) 20.09.2013
(33) United Kingdom

(51) A47C 19/20
A47C 19/02
(11) EP3153070
(21) EP15802482.8
(47) 07.08.2019
(87) CN2015080857
10.12.2015
(22) 05.06.2015
(54) DOUBLE-LAYER BEDSTEAD
(73) New-Tec Integration (Xiamen) Co., Ltd.
(72) LENG, Luhao
(31) 201420296199 U
201420296196 U
201420296187 U
(32) 05.06.2014
05.06.2014
05.06.2014
(33) China
China
China

(51) A47C 21/04
A61F 7/00
A61H 15/02
A47C 20/02
A61H 15/00
A47C 7/74
A47C 17/58
A61N 1/40
(11) EP2735250
(21) EP12804352.8
(47) 07.08.2019
(87) KR2012004609
03.01.2013
(22) 11.06.2012
(54) SLIDING-TYPE APPARATUS FOR THERMOTHERAPEUTIC TREATMENT
(73) Ceragem Co., Ltd.
(72) PARK, Ji Hoon
LEE, Hea Sung
(31) 20110064652
(32) 30.06.2011
(33) Korea (Republic)

(51) A47D 7/00
A47D 13/06
A47D 9/00
(11) EP3308677
(21) EP15895282.0
(47) 07.08.2019
(87) CN2015082141
22.12.2016
(22) 24.06.2015
(54) CONNECTING ROD FOLDING MECHANISM AND COT HAVING SAME
(73) Shanghai Daafu Baby Carrier Co., Ltd.
(72) HUANG, Shaobao
(31) 201510325564
201520411471 U
(32) 13.06.2015
13.06.2015
(33) China
China

(51) A47F 1/04
A47F 3/02
(11) EP3346882
(21) EP16709079.4
(47) 07.08.2019
(87) EP2016055156
16.03.2017
(22) 10.03.2016
(54) DISPENSING DEVICE
(73) Wanzl Metallwarenfabrik GmbH
(72) WOLF, Alexis
(31) 102015115088
(32) 08.09.2015
(33) Germany

(51) A47F 1/12
(11) EP2974625
(21) EP15179567.1
(47) 07.08.2019
(22) 30.06.2010
(54) DAMPENED PUSHER FOR MERCHANDISER
(73) RTC Industries, Inc.
(72) HARDY, Stephen
(31) 496389
(32) 01.07.2009
(33) United States of America

(51) A47F 5/14
(11) EP3262988
(21) EP17174709.0
(47) 07.08.2019
(22) 07.06.2017
(54) SHELF SYSTEM
(73) Wanzl Metallwarenfabrik GmbH
(72) Deyerler, Kurt
Götz, Christian
(31) 102016112075
(32) 01.07.2016
(33) Germany

(51) A47G 9/08
(11) EP3068269
(21) EP14860708.8
(47) 07.08.2019
(87) US2014032756
14.05.2015
(22) 03.04.2014
(54) SLEEPING BAG WITH SELF-SEALING, VENTED FOOTBOX
(73) Exxel Outdoors, LLC
(72) SUMNICHT, Casey
SCHOFIELD, Chase
(31) 201361902628 P

(32) 11.11.2013
(33) United States of America

(51) A47G 19/12
C02F 1/00
(11) EP2767194
(21) EP14153091.5
(47) 07.08.2019
(22) 29.01.2014
(54) Container lid
(73) WMF WÜRTTEMBERGISCHE METALLWARENFABRIK AG
(72) Barth, Peter
(31) 102013202430
(32) 14.02.2013
(33) Germany

(51) A47G 21/18
A61J 7/00
A23L 2/52
A23L 2/56
A23L 33/10
A23L 27/00
(11) EP3307117
(21) EP16731054.9
(47) 07.08.2019
(87) EP2016063138
15.12.2016
(22) 09.06.2016
(54) DRINKING STRAW WITH INTERNAL COATING
(73) Unistraw Holdings Pte. Ltd.
(72) PALAZZI, Kendall Norman
(31) 15171534
(32) 10.06.2015
(33) European Patent Office (EPO)

(51) A47J 23/00
(11) EP3203880
(21) EP15828329.1
(47) 07.08.2019
(87) DE2015100419
14.04.2016
(22) 08.10.2015
(54) ARRANGEMENT WITH A PLURALITY OF SPRING ELEMENTS FOR A CUSHION SUPPORT
(73) Froli Kunststoffwerk Heinrich Fromme, Inhaberin Margret Fromme-Ruthmann e. Kfr.
(72) FROMME-RUTHMANN, Margret
(31) 202014104824 U
(32) 08.10.2014
(33) Germany

(51) A47J 27/08
A47J 27/09
(11) EP3015033
(21) EP14818746.1
(47) 07.08.2019
(87) CN2014080369
31.12.2014
(22) 20.06.2014
(54) ELECTRIC PRESSURE COOKER
(73) Foshan Shunde Midea Electrical Heating Appliances Manufacturing Co. Ltd.
Midea Group Co., Ltd.
(72) SONG, Yanping
CHEN, Ruide
CAO, Siheng
(31) 201320384029 U
(32) 28.06.2013
(33) China

(51) A47J 31/42
A47J 42/50
(11) EP3100658
(21) EP16172631.0
(47) 07.08.2019
(22) 02.06.2016
(54) COFFEE MACHINE
(73) BSH Hausgeräte GmbH
(72) Mathes, Anton
Wrehde, Stefan
Tracy, Timothy Mark
Beck, Rudolf
Caglin, Muharrem ümit
Deger, Mahir Erdem
Gökce, Ali Utku
Ohlhafer, Olaf
Freudigmann, Hans-Arndt
(31) 102015210338
(32) 03.06.2015
(33) Germany

(51) A47J 31/42
A47J 42/50
G10K 11/16
(11) EP2043490
(21) EP07730241.2
(47) 07.08.2019
(87) EP2007056061
17.01.2008
(22) 19.06.2007
(54) NOISE-ABSORBING LID FOR FOOD MILLS
(73) BSH Hausgeräte GmbH
(72) HOLZER, Stefan
BÄR, Winfried
FREITAG, Dietmar
FÖRSTER, Gerd
(31) 102006032712
(32) 14.07.2006
(33) Germany

(51) A47J 31/46
A47J 31/54
A47J 31/56
A47J 31/36
(11) EP3261499
(21) EP16706188.6
(47) 07.08.2019
(87) EP2016053894
01.09.2016
(22) 24.02.2016
(54) GROUP FOR SUPPLYING HOT WATER FOR A MACHINE FOR MAKING ESPRESSO COFFEE OR THE LIKE AND ASSOCIATED MACHINE
(73) La Marzocco S.r.l.
(72) GATTI, Riccardo
BALDACCIONI, Massimiliano
(31) UB20156957
(32) 25.02.2015
(33) Italy

(51) A47J 31/60
B01D 27/08
B01D 27/10
(11) EP3028612
(21) EP15194194.5
(47) 07.08.2019
(22) 12.11.2015
(54) FILTER FOR INSERTION INTO A WATER STORAGE TANK OF A HOUSEHOLD APPLIANCE, IN PARTICULAR A BEVERAGE MACHINE
(73) Aquis Wasser-Luft-Systeme GmbH, Lindau, Zweigniederlassung Rebstein
(72) Wallerstorfer, Kurt
(31) 102014117725
(32) 02.12.2014
(33) Germany

(51) A47J 37/00
(11) EP3193684
(21) EP15760155.0
(47) 07.08.2019
(87) EP2015070310
24.03.2016
(22) 06.09.2015
(54) APPARATUS AND METHOD FOR ROASTING COFFEE BEANS, AND COFFEE MACHINE
(73) Koninklijke Philips N.V.
(72) TAN, Jingwei
SHI, Jun
WANG, Yanyan
ZHOU, Jun
KELLY, Declan Patrick
(31) PCT/CN2014/086896
14189832
(32) 19.09.2014
22.10.2014
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) A47J 43/046
A47J 43/07
(11) EP3310224
(21) EP16728975.0
(47) 07.08.2019
(87) EP2016063665
22.12.2016
(22) 15.06.2016
(54) REMOVAL ASSISTANCE FOOD PROCESSOR IMPELLER
(73) Société des Produits Nestlé S.A.
(72) ABDO, Samer
DECASTEL, Sylvain
DENISART, Jean-Luc
GUYON, Bertrand
MAGATTI, Marco
PERRIN, Alexa
PONT, Didier
RAAD, Mohamed
SEYDOUX, Laurent
(31) 15172389
(32) 16.06.2015
(33) European Patent Office (EPO)

(51) A47J 43/07
A47J 43/046
B02C 18/12
B02C 18/18
B02C 23/02
B02C 18/22
(11) EP3307123
(21) EP16732968.9
(47) 07.08.2019
(87) EP2016063399
15.12.2016
(22) 10.06.2016
(54) BLADE MILL

(73) Fritsch GmbH
(72) MUTTER, Wolfgang
BÄR, Gerhard
MÜLLER, Manfred
(31) 102015109335
102015109336
102015109338
(32) 11.06.2015
11.06.2015
11.06.2015
(33) Germany
Germany
Germany

(51) A47K 5/14
B05B 11/00
(11) EP3138453
(21) EP16186567.0
(47) 07.08.2019
(22) 31.08.2016
(54) AIR ASSISTED SEVERANCE OF FLUID STREAM
(73) Op-Hygiene IP GmbH
(72) OPHARDT, Heiner
JONES, Andrew
SHI, Zhenchun
(31) 2902751
(32) 01.09.2015
(33) Canada

(51) A47K 10/32
(11) EP3310231
(21) EP16726863.0
(47) 07.08.2019
(87) EP2016062478
22.12.2016
(22) 02.06.2016
(54) DISPENSER ASSEMBLY
(73) Essity Hygiene and Health Aktiebolag
(72) ALLARD, Bryan Fitzgerald
DOTSEY, Michael Austin
DINGLER, Noah Eberhard
NOLAN, Patrick Bryan
(31) 201562180693 P
201514798056
(32) 17.06.2015
13.07.2015
(33) United States of America
United States of America

(51) A47K 10/42
B65B 63/02
D21H 27/00
A47K 10/16
(11) EP2654537
(21) EP10861095.7
(47) 07.08.2019
(87) SE2010051467
28.06.2012
(22) 22.12.2010
(54) A STACK OF PLURALITY OF CELLULOSE-CONTAINING ABSORBENT TOWELS AND A PROCESS FOR MANUFACTURING THE STACK.
(73) Essity Hygiene and Health Aktiebolag
(72) FALK, Magnus
KLING, Robert
NELVIG, Anna
WELANDER, Fredrik
MÖLLER, Per
BONNEVIER, Martin
ANDERSSON, Anders

(51) A47L 9/02
(11) EP2944242
(21) EP15167570.9
(47) 07.08.2019
(22) 13.05.2015
(54) SUCTION HEAD FOR A VACUUM CLEANER OR THE LIKE WITH IMPROVED BASE PLATE CHANNEL
(73) New Ermes Europe S.r.l.
(72) Roschi, Riccardo
(31) MI20140878
(32) 14.05.2014
(33) Italy

(51) A47L 9/02
A47L 9/28
(11) EP3269284
(21) EP17178283.2
(47) 07.08.2019
(22) 28.06.2017
(54) DEVICE AND METHOD FOR SUPPORTING THE ENERGY-SAVING OPERATION OF A FLOOR CARE DEVICE AND FLOOR CARE DEVICE
(73) Miele & Cie. KG
(72) Buhl, David
Geser, Willi
(31) 102016112640
(32) 11.07.2016
(33) Germany

(51) A47L 9/04
A47L 11/19
(11) EP3440973
(21) EP18183283.3
(47) 07.08.2019
(22) 13.07.2018
(54) VACUUM CLEANER AND FLOOR NOZZLE FOR VACUUM CLEANER
(73) Miele & Cie. KG
(72) Zajak, Martin Michael
Rech, Thomas
Lüttgen, Marcus
(31) 102017118087
(32) 09.08.2017
(33) Germany

(51) A47L 9/28
A47L 9/10
A47L 5/22
A47L 9/04
A47L 9/12
A47L 9/14
(11) EP3184015
(21) EP15834522.3
(47) 07.08.2019
(87) JP2015072860
25.02.2016
(22) 12.08.2015
(54) ELECTRIC VACUUM CLEANER
(73) Toshiba Lifestyle Products & Services Corporation
(72) MACHIDA, Yukio
TANAKA, Masatoshi
ICHIKAWA, Hiromitsu
MURATA, Hiromitsu
(31) 2014167653
(32) 20.08.2014
(33) Japan

(51) A47L 9/28
A47L 11/40
(11) EP3108788
(21) EP16172773.0
(47) 07.08.2019
(22) 03.06.2016
(54) SUCTION CLEANING DEVICE
(73) Vorwerk & Co. Interholding GmbH
(72) Sernecki, Miron
(31) 102015109954
(32) 22.06.2015
(33) Germany

(51) A47L 11/40
B25J 9/00
G05D 1/02
(11) EP2720102
(21) EP13185877.1
(47) 07.08.2019
(22) 25.09.2013
(54) Robot cleaner and control method thereof
(73) Samsung Electronics Co., Ltd
(72) Kim, Shin
Song, Jeong Gon
Lee, Ju sang
Hong, Jun Pyo
(31) 20120111869
(32) 09.10.2012
(33) Korea (Republic)

(51) A47L 13/17
A47L 13/20
A47L 13/24
B32B 5/00
B32B 5/02
B32B 5/06
B32B 5/24
B32B 7/00
B32B 7/02
B32B 7/04
B32B 27/00
B32B 27/02
B32B 27/06
B32B 27/12
B32B 27/24
B32B 27/28
B32B 3/00
B32B 3/02
B32B 5/26
(11) EP2443980
(21) EP10789582.3
(47) 07.08.2019
(87) JP2010060363
23.12.2010
(22) 18.06.2010
(54) CLEANING SHEET AND CLEANING IMPLEMENT
(73) Unicharm Corporation
(72) SUDA Tomokazu
HASEGAWA Satoshi
(31) 2009147072
(32) 19.06.2009
(33) Japan

(51) A47L 13/20
A47L 13/24
A47L 13/254
(11) EP3222189
(21) EP17162354.9
(47) 07.08.2019
(22) 22.03.2017

(54) MOP FITTING AND MOP HOLDER
(73) Pfennig Reinigungstechnik GmbH
(72) PFENNIG, Dietmar
(31) 102016105324
(32) 22.03.2016
(33) Germany

(51) A47L 15/00
(11) EP3393325
(21) EP15813873.5
(47) 07.08.2019
(87) EP2015080958
29.06.2017
(22) 22.12.2015
(54) A DISHWASHER AND A CONTROL METHOD THEREOF
(73) Arçelik Anonim Sirketi
(72) OZTURK, Ozgur
KUCUKCOSKUN, Bulent
DEMIR, Serkan
DIK, Engin

(51) A47L 15/00
A47L 15/48
(11) EP2486837
(21) EP12152384.9
(47) 07.08.2019
(22) 25.01.2012
(54) Dishwasher and method for operating the same
(73) BSH Hausgeräte GmbH
(72) Heidel, Andreas
Hering, Reinhard
Kränzle, Bernd
Rosenbauer, Michael Georg
(31) 102011003955
(32) 10.02.2011
(33) Germany

(51) A47L 15/00
A47L 15/48
B64D 11/04
A47L 15/42
(11) EP3142924
(21) EP15723481.6
(47) 07.08.2019
(87) EP2015060477
19.11.2015
(22) 12.05.2015
(54) DISHWASHER FOR AN AIRPLANE
(73) Lufthansa Technik AG
(72) HAAS, Karl-Heinz
HUBER, Peter
(31) 102014209359
(32) 16.05.2014
(33) Germany

(51) A47L 15/14
A47L 15/23
A47L 15/42
(11) EP3254602
(21) EP17174948.4
(47) 07.08.2019
(22) 08.06.2017
(54) DISHWASHER
(73) LG Electronics Inc.
(72) WOO, Seyoung
LEE, Taehee
CHOI, Kyuhyung
PYO, Joonho
(31) 20160072193
(32) 10.06.2016
(33) Korea (Republic)

(51) A47L 15/23
A47L 15/42
(11) EP3085293
(21) EP16162734.4
(47) 07.08.2019
(22) 30.03.2016
(54) SPRAY ARM ASSEMBLY AND DISHWASHER
(73) BSH Hausgeräte GmbH
(72) HEISELE, Bernd
HORNUNG, Elisabeth
OBLINGER, Anton
WEIß, Simon
WINKLER, Tobias
(31) 102015207588
(32) 24.04.2015
(33) Germany

(51) A47L 15/42
A47L 15/44
F16K 15/02
(11) EP2404538
(21) EP10006384.1
(47) 07.08.2019
(22) 19.06.2010
(54) Detergent dispenser
(73) Electrolux Home Products Corporation N.V.
(72) Lundberg, Mats
Salerno, Luigi

(51) A47L 15/42
D06F 35/00
D06F 39/00
(11) EP2291106
(21) EP09765845.4
(47) 07.08.2019
(87) EP2009057481
23.12.2009
(22) 16.06.2009
(54) HOUSEHOLD APPLIANCE, PARTICULARLY DISHWASHER OR WASHER
(73) BSH Hausgeräte GmbH
(72) JERG, Helmut
NANNT, Hans-Peter
PAINTNER, Kai
WACHINGER, Thomas
(31) 102008029372
(32) 20.06.2008
(33) Germany

(51) A47L 15/42
D06F 58/20
D06F 39/12
D06F 39/00
F24C 15/08
(11) EP2481335
(21) EP12150639.8
(47) 07.08.2019
(22) 10.01.2012
(54) Built-in household appliance, in particular dishwasher
(73) BSH Hausgeräte GmbH
(72) Kiechle, Franz
Rehm, Karlheinz
(31) 102011003412
102011003541
(32) 31.01.2011
02.02.2011
(33) Germany

(51) A47L 15/50
(11) EP3302211
(21) EP15727641.1
(47) 07.08.2019
(87) EP2015062468
08.12.2016
(22) 04.06.2015
(54) BOTTLE WASHING ACCESSORY FOR USE ON THE ARTICLE RACK OF A DISHWASHER
(73) Arçelik Anonim Sirketi
(72) GURSOY, Hasret
SAHIN, Alper
DIKSAN, Mehmet
KOSKA, Arif Koray

(51) A47L 25/00
C08F 297/02
C11D 3/37
C11D 17/04
(11) EP3015044
(21) EP14818809.7
(47) 07.08.2019
(87) JP2014066561
31.12.2014
(22) 23.06.2014
(54) STICKY CLEANER FOR REMOVING ORGANIC DIRT
(73) Nitto Denko Corporation
Kabushiki Kaisha Nitoms
(72) SAKASHITA, Teiji
TAGUCHI, Satoshi
KAWAI, Yumi
NAGATOMO, Aya
(31) 2013133202
(32) 25.06.2013
(33) Japan

(51) A61B 1/00
A61B 1/313
A61B 17/34
A61B 90/00
(11) EP3202343
(21) EP15845858.8
(47) 07.08.2019
(87) JP2015077584
07.04.2016
(22) 29.09.2015
(54) ENDOSCOPIC SURGICAL DEVICE
(73) FUJIFILM Corporation
(72) DEJIMA, Takumi
(31) 201462057516 P
(32) 30.09.2014
(33) United States of America

(51) A61B 1/00
A61B 5/00
G01B 9/02
G01N 21/17
(11) EP3199085
(21) EP15843233.6
(47) 07.08.2019
(87) JP2015077172
31.03.2016
(22) 25.09.2015
(54) TOMOGRAPHIC IMAGE FORMATION DEVICE AND CONTROL METHOD
(73) Terumo Kabushiki Kaisha
(72) SAKAMOTO, Masayuki
(31) 2014197500

(32) 26.09.2014
(33) Japan

(51) A61B 1/005
A61B 1/00
A61M 25/00
A61M 25/01
A61B 17/00
(11) EP3219249
(21) EP17162659.1
(47) 07.08.2019
(22) 30.06.2008
(54) INSTRUMENT FOR ENDOSCOPIC APPLICATIONS
(73) Fortimedix Surgical B.V.
(72) Verbeek, Marcel Antonius Elisabeth
(31) 08004373
(32) 10.03.2008
(33) European Patent Office (EPO)

(51) A61B 1/005
A61B 10/02
A61B 5/107
A61M 19/00
A61M 25/01
A61M 5/00
A61B 5/00
A61B 17/34
(11) EP2579765
(21) EP11795292.9
(47) 07.08.2019
(87) IL2011000465
22.12.2011
(22) 13.06.2011
(54) ANATOMICAL-POSITIONING APPARATUS WITH AN EXPANDABLE DEVICE
(73) Omeq Medical Ltd.
(72) TSAMIR, Oded
MARGALIT, Lior
(31) 354225 P
(32) 13.06.2010
(33) United States of America

(51) A61B 1/04
A61B 1/005
A61B 1/06
A61B 1/273
A61J 15/00
(11) EP2719323
(21) EP14150399.5
(47) 07.08.2019
(22) 08.09.2011
(54) Catheter with imaging assembly
(73) KPR U.S., LLC
(72) Allyn, Robert
Dorsey, Michael C.
Byrd, William J.
Lewis, Thomas G.
Gaines, Robert B.
Hudspeth, Michael D.
Branconier, Glen
(31) 380985 P
201161482080 P
(32) 08.09.2010
03.05.2011
(33) United States of America
United States of America

(51) A61B 1/04
A61B 1/06
A61B 1/07
A61B 1/00
A61B 1/045
(11) EP3294111
(21) EP16729959.3
(47) 07.08.2019
(87) FR2016051115
17.11.2016
(22) 11.05.2016
(54) DEVICE AND METHOD FOR OBSERVING AN OBJECT, TAKING INTO CONSIDERATION THE DISTANCE BETWEEN THE DEVICE AND THE OBJECT
(73) Commissariat à l'énergie atomique et aux énergies alternatives
Fluoptics
(72) RIZO, Philippe
(31) 1554259
(32) 12.05.2015
(33) France

(51) A61B 1/04
A61B 1/07
(11) EP2007270
(21) EP07731242.9
(47) 07.08.2019
(87) FR2007000564
11.10.2007
(22) 03.04.2007
(54) PROTECTION FOR ENDOSCOPE, AND CORRESPONDING ENDOSCOPE
(73) V.I.M.S. Video Interventionnelle Médicale Scientifique
(72) FERNANDEZ, Henri
RODDIER, Nicolas
BRUNEL, Lin
(31) 0602887
(32) 03.04.2006
(33) France

(51) A61B 1/12
A61B 1/00
G02B 23/24
G02B 27/00
A61B 90/70
(11) EP2904962
(21) EP15151807.3
(47) 07.08.2019
(22) 20.01.2015
(54) Camera system
(73) Deutsches Zentrum für Luft- und Raumfahrt e.V.
(72) Bahls, Thomas
Fröhlich, Florian Alexander
(31) 102014202075
(32) 05.02.2014
(33) Germany

(51) A61B 3/10
A61B 3/00
G02B 27/48
A61B 3/113
(11) EP2829220
(21) EP13764298.9
(47) 07.08.2019
(87) JP2013057779
26.09.2013
(22) 19.03.2013
(54) DEVICE FOR GENERATING THREE-DIMENSIONAL RETINA IMAGE
(73) Utsunomiya University
(72) ABRAHAM J. Cense
ROY de Kinkelder
(31) 2012064565
(32) 21.03.2012
(33) Japan

(51) A61B 3/10
A61B 5/0476
A61B 5/0496
B60K 28/06
G08B 21/06
A61B 5/18
(11) EP2285265
(21) EP09753381.4
(47) 07.08.2019
(87) CA2009000732
03.12.2009
(22) 27.05.2009
(54) METHOD AND DEVICE FOR THE DETECTION OF MICROSLEEP EVENTS
(73) 7352867 Canada Inc.
(72) FARBOS, Bruno
(31) 71966 P
340017
(32) 28.05.2008
19.12.2008
(33) United States of America
United States of America

(51) A61B 3/113
G06K 9/00
G06F 3/01
(11) EP3338621
(21) EP18155826.3
(47) 07.08.2019
(22) 16.07.2009
(54) EYE DETECTION UNIT USING PARALLEL DATA FLOW
(73) Tobii AB
(72) HOLMBERG, Johnny

(51) A61B 3/12
(11) EP3010393
(21) EP14814540.2
(47) 07.08.2019
(87) US2014042834
24.12.2014
(22) 18.06.2014
(54) OPTIMIZED IMAGING APPARATUS FOR IRIS IMAGING
(73) Delta ID Inc.
(72) PRABHAKAR, Salil
DVOROVKIN, Valentine
(31) 201361836444 P
(32) 18.06.2013
(33) United States of America

(51) A61B 3/16
A61B 17/00
(11) EP3071091
(21) EP14864970.0
(47) 07.08.2019
(87) AU2014001051
28.05.2015
(22) 19.11.2014
(54) DEVICE FOR DETERMINING AN INTRAOCULAR PRESSURE OF AN EYE
(73) Ingeneus Pty Ltd
(72) WALMSLEY, Richard Gordon
LOCKWOOD, David James
COOTE, Michael Andrew
(31) 2013904472

(32) 19.11.2013
(33) Australia

(51) A61B 5/00
(11) EP2823756
(21) EP14173209.9
(47) 07.08.2019
(22) 20.06.2014
(54) Object information acquiring apparatus and laser apparatus
(73) Canon Kabushiki Kaisha
(72) Ichihara, Shigeru
Kobayasho, Shuichi
(31) 2013143658
(32) 09.07.2013
(33) Japan

(51) A61B 5/00
(11) EP3142545
(21) EP15729531.2
(47) 07.08.2019
(87) FI2015050300
19.11.2015
(22) 05.05.2015
(54) AN APPARATUS FOR A WEARABLE DEVICE
(73) Nokia Technologies OY
(72) SALO, Antti
ROUVINEN, Jarkko
KOSONEN, Matti
(31) 201408635
201414396
(32) 15.05.2014
14.08.2014
(33) United Kingdom
United Kingdom

(51) A61B 5/00
(11) EP3282928
(21) EP16719255.8
(47) 07.08.2019
(87) EP2016057948
20.10.2016
(22) 12.04.2016
(54) DETECTION OF ANISOTROPIC BIOLOGICAL TISSUE
(73) Koninklijke Philips N.V.
(72) MUELLER, Manfred
HENDRIKS, Bernardus Hendrikus Wilhelmus
LUCASSEN, Gerhardus Wilhelmus
BYDLON, Torre Michelle
(31) 15164075
(32) 17.04.2015
(33) European Patent Office (EPO)

(51) A61B 5/00
A61B 5/0404
A61B 5/04
A61B 5/0408
A61B 5/0428
A61B 5/0472
A61B 5/107
(11) EP3310251
(21) EP16734740.0
(47) 07.08.2019
(87) IB2016053063
29.12.2016
(22) 25.05.2016
(54) ELECTRONIC SYSTEM TO CONTROL THE ACQUISITION OF AN ELECTROCARDIOGRAM
(73) D-Heart S.r.l.
(72) BRIANTE, Nicolò
MAURIZI, Niccolò
(31) UB20151582
(32) 22.06.2015
(33) Italy

(51) A61B 5/00
A61B 5/087
(11) EP2830484
(21) EP13724380.4
(47) 07.08.2019
(87) IB2013052480
03.10.2013
(22) 28.03.2013
(54) SYSTEM AND METHOD FOR A WAKEFUL SLEEP DETECTION ALARM
(73) Koninklijke Philips N.V.
(72) FOX, Nathaniel Solomon
(31) 201261616478 P
(32) 28.03.2012
(33) United States of America

(51) A61B 5/00
A61B 5/1455
A61B 5/024
G01R 33/28
(11) EP3217859
(21) EP15794184.0
(47) 07.08.2019
(87) EP2015076506
19.05.2016
(22) 13.11.2015
(54) PATIENT HEADPHONES WITH INTEGRATED SENSOR SYSTEM
(73) Koninklijke Philips N.V.
(72) LEUSSLER, Christoph
WIRTZ, Daniel
KRUEGER, Sascha
(31) 14193168
(32) 14.11.2014
(33) European Patent Office (EPO)

(51) A61B 5/00
H01S 5/40
H01S 5/14
(11) EP2658435
(21) EP11808809.5
(47) 07.08.2019
(87) US2011067164
05.07.2012
(22) 23.12.2011
(54) INTEGRATED DUAL SWEPT SOURCE FOR OCT MEDICAL IMAGING
(73) Axsun Technologies, Inc.
(72) GOLDBERG, Brian
FLANDERS, Dale, C.
ATIA, Walid, A.
JOHNSON, Bartley, C.
KUZNETSOV, Mark, E.
(31) 980144
(32) 28.12.2010
(33) United States of America

(51) A61B 5/022
A61B 5/021
(11) EP2770905
(21) EP12787060.8
(47) 07.08.2019
(87) GB2012052683
02.05.2013
(22) 29.10.2012
(54) A METHOD AND APPARATUS FOR MEASURING BLOOD PRESSURE
(73) Suntech Medical, Inc.
(72) CHOWIENCZYK, Philip Jan
GUILCHER, Antoine Yves Marie
BRETT, Sally Emma
LAWSON, Christopher Patrick
(31) 201118644
(32) 27.10.2011
(33) United Kingdom

(51) A61B 5/024
A61B 5/00
A61B 5/11
A61B 5/1455
(11) EP2687154
(21) EP13173734.8
(47) 07.08.2019
(22) 26.06.2013
(54) Portable device and method for determining a sleep-related parameter of a user
(73) CSEM Centre Suisse d'Electronique et de Microtechnique SA - Recherche et Développement
(72) Renevey, Philippe
Lemay, Mathieu
Sola i Caros, Josep
Muntané Calvo, Enrique
(31) 12177403
(32) 20.07.2012
(33) European Patent Office (EPO)

(51) A61B 5/04
(11) EP3292814
(21) EP17190067.3
(47) 07.08.2019
(22) 08.09.2017
(54) ELECTROMEDICAL EQUIPMENT
(73) Medicaltech Srl
(72) QUAINI, Giuseppe
(31) 201600091352
(32) 09.09.2016
(33) Italy

(51) A61B 5/0402
(11) EP2865328
(21) EP14190564.6
(47) 07.08.2019
(22) 28.10.2014
(54) Electrocardiogram measuring apparatus and synthesized electrocardiogram generating method
(73) Nihon Kohden Corporation
(72) Suto, Jiro
(31) 2013223514
(32) 28.10.2013
(33) Japan

(51) A61B 5/0408
A61B 5/00
(11) EP3439551
(21) EP17791622.8
(47) 07.08.2019
(87) EP2017076353
26.04.2018
(22) 16.10.2017
(54) SEGMENTED ELECTRODE
(73) Koninklijke Philips N.V.
(72) GERHARDT, Lutz, Christian
JOYE, Neil, Francis
JOHNSON, Mark, Thomas
MEFTAH, Mohammed

(31) 16194297
(32) 18.10.2016
(33) European Patent Office (EPO)

(51) A61B 5/0468
A61B 5/08
(11) EP2750593
(21) EP12759318.4
(47) 07.08.2019
(87) US2012053192
07.03.2013
(22) 30.08.2012
(54) SYSTEMS FOR INHIBITING APNEIC EVENTS
(73) President and Fellows of Harvard College
The General Hospital Corporation
University of Massachusetts
(72) PAYDARFAR, David
BARBIERI, Riccardo
INDIC, Premananda Pai
KANDAH, Ruby
NIEMI, James
OSBORNE, John Paul
SALLUM, Hani M.
WOZNIAK, Amanda
(31) 201161528994 P
(32) 30.08.2011
(33) United States of America

(51) A61B 5/087
G01F 25/00
G01F 1/50
G01F 1/698
A61M 16/00
A61M 16/14
A61M 16/20
A61B 5/097
A61B 5/00
G01F 15/00
G01F 15/04
(11) EP1901794
(21) EP06773070.5
(47) 07.08.2019
(87) US2006023031
04.01.2007
(22) 13.06.2006
(54) RESPIRATORY DEVICE MEASUREMENT SYSTEM
(73) RIC Investments, LLC.
(72) TRUITT, Patrick, W.
SHISSLER, Andrew, L.
TRUSCHEL, William A.
(31) 692506 P
449194
(32) 21.06.2005
08.06.2006
(33) United States of America
United States of America

(51) A61B 5/103
(11) EP2914173
(21) EP13850267.9
(47) 07.08.2019
(87) US2013068097
08.05.2014
(22) 01.11.2013
(54) METHOD AND DEVICE FOR DETERMINING BODY POSTURES AND ACTIVITIES
(73) Vital Connect, Inc.
(72) CHAN, Alexander
FERDOSI, Nima
NARASIMHAN, Ravi
(31) 201261722069 P
201314069099
(32) 02.11.2012
31.10.2013
(33) United States of America
United States of America

(51) A61B 5/107
G06T 1/00
(11) EP3238618
(21) EP15872184.5
(47) 07.08.2019
(87) JP2015006148
30.06.2016
(22) 09.12.2015
(54) MUSCLE AREA ESTIMATION SYSTEM AND METHOD FOR ESTIMATING MUSCLE AREA
(73) Kyocera Corporation
(72) AJIMA, Hiromi
(31) 2014258585
(32) 22.12.2014
(33) Japan

(51) A61B 5/15
(11) EP2168482
(21) EP09179103.8
(47) 07.08.2019
(22) 10.10.2007
(54) sampling system to obtain liquid samples
(73) F. Hoffmann-La Roche AG
(72) Konya, Ahmet
Deck, Frank
Ebert, Karl-Peter
(31) 06122214
(32) 12.10.2006
(33) European Patent Office (EPO)

(51) A61B 5/154
(11) EP3138494
(21) EP16187765.9
(47) 07.08.2019
(22) 09.09.2008
(54) FLASHBACK BLOOD COLLECTION NEEDLE
(73) Becton, Dickinson and Company
(72) TAN, Chee Leong 'alvin'
MOH, Jon
SIM, Stanley
(31) 44354
206273
(32) 07.03.2008
08.09.2008
(33) United States of America
United States of America

(51) A61B 6/00
A01K 1/06
A61B 5/055
A61B 6/04
A61B 6/03
(11) EP3342345
(21) EP17177587.7
(47) 07.08.2019
(22) 23.06.2017
(54) SCANNING IMAGING DEVICE, CARRIER AND CARRIER POSITIONING DEVICE
(73) Delta Electronics Inc.
(72) HSU, Chih-Yuan
TSAI, Yi-Da
(31) 201611227712
(32) 27.12.2016
(33) China

(51) A61B 6/00
A61B 5/00
(11) EP2782504
(21) EP12809338.2
(47) 07.08.2019
(87) IB2012056382
30.05.2013
(22) 13.11.2012
(54) METHOD AND DEVICE FOR IMAGING SOFT BODY TISSUE USING X-RAY PROJECTION AND OPTICAL TOMOGRAPHY
(73) Koninklijke Philips N.V.
(72) GOOSSEN, André
HEESE, Harald Sepp
KOEHLER, Thomas
(31) 201161563091 P
(32) 23.11.2011
(33) United States of America

(51) A61B 6/00
H04N 5/32
H04N 5/217
H04N 5/361
(11) EP2773098
(21) EP14154974.1
(47) 07.08.2019
(22) 13.02.2014
(54) Radiation imaging apparatus, method for radiation imaging, and program
(73) Canon Kabushiki Kaisha
(72) Tezuka, Shimpei
(31) 2013040037
2014021705
(32) 28.02.2013
06.02.2014
(33) Japan
Japan

(51) A61B 6/03
A61B 6/04
(11) EP2675359
(21) EP12709374.8
(47) 07.08.2019
(87) IB2012050723
23.08.2012
(22) 16.02.2012
(54) IMAGING SYSTEM SUBJECT SUPPORT MOTION ALGORITHM(S)
(73) Koninklijke Philips N.V.
(72) DONG, Shufang
(31) 201161444155 P
(32) 18.02.2011
(33) United States of America

(51) A61B 6/03
A61B 6/04
(11) EP2866666
(21) EP13810875.8
(47) 07.08.2019
(87) US2013048631
03.01.2014
(22) 28.06.2013
(54) METHOD AND SYSTEM FOR X-RAY CT IMAGING
(73) Mobius Imaging, LLC
(72) Gregerson, Eugene A.

Allen, Michael
Sebring, Paul
Yuen, Jonathan
Hilts, Kenneth L.
(31) 201261665482 P
(32) 28.06.2012
(33) United States of America

(51) A61B 6/14
A61B 6/00
(11) EP2448493
(21) EP10793667.6
(47) 07.08.2019
(87) FI2010050537
06.01.2011
(22) 23.06.2010
(54) MOVEMENT MECHANISM FOR DENTAL X-RAY APPARATUS
(73) Palodex Group Oy
(72) VARTIAINEN, Sami
(31) 20095747
(32) 01.07.2009
(33) Finland

(51) A61B 8/00
A61B 8/08
A61B 8/12
(11) EP3131470
(21) EP15779605.3
(47) 07.08.2019
(87) KR2015002743
22.10.2015
(22) 20.03.2015
(54) ULTRASONIC IMAGING APPARATUS
(73) Samsung Electronics Co., Ltd.
(72) CHO, Kyung Il
KIM, Bae Hyung
KIM, Young Il
SONG, Jong Keun
LEE, Seung Heun
(31) 20140044685
(32) 15.04.2014
(33) Korea (Republic)

(51) A61B 8/00
G01S 7/52
(11) EP3329855
(21) EP17171587.3
(47) 07.08.2019
(22) 17.05.2017
(54) ULTRASONIC PROBE AND ULTRASONIC DIAGNOSTIC APPARATUS INCLUDING THE SAME
(73) Samsung Medison Co., Ltd.
(72) SONG, Chang Wook
JIN, Gil-Ju
KANG, Hak Il
KIM, Chan Mo
(31) 20160163445
(32) 02.12.2016
(33) Korea (Republic)

(51) A61B 8/00
G06F 3/048
G16H 40/63
(11) EP3047802
(21) EP15202734.8
(47) 07.08.2019
(22) 24.12.2015
(54) ULTRASONIC IMAGING APPARATUS AND METHOD OF PROCESSING ULTRASOUND IMAGE
(73) SAMSUNG MEDISON CO., LTD.
(72) PARK, Tae-jin
KANG, Dae-woong
CHOI, Yea-chan
(31) 20140192554
(32) 29.12.2014
(33) Korea (Republic)

(51) A61B 8/06
A61B 8/08
A61B 8/00
A61B 8/04
A61B 5/022
(11) EP2710961
(21) EP12185733.8
(47) 07.08.2019
(22) 24.09.2012
(54) Pressure measurement device for pressure measurement of a vein or an organ and for combination with an ultrasound measuring unit, and system and method for venous/organ pressure measurement
(73) Veinpress GmbH
(72) Baumann, Ulrich

(51) A61B 8/08
A61B 8/00
(11) EP3454758
(21) EP17720827.9
(47) 07.08.2019
(87) EP2017060735
16.11.2017
(22) 05.05.2017
(54) POSITIONING SUPPORT AND FETAL HEART RATE REGISTRATION SUPPORT FOR CTG ULTRASOUND TRANSDUCERS
(73) Koninklijke Philips N.V.
(72) HAMELMANN, Paul
SCHMITT, Lars
KOLEN, Alexander Franciscus
WOHLSCHLAGER, Markus
(31) 16169434
(32) 12.05.2016
(33) European Patent Office (EPO)

(51) A61B 8/12
A61B 8/14
A61B 8/00
G01S 7/52
A61B 8/08
(11) EP3238632
(21) EP15872418.7
(47) 07.08.2019
(87) JP2015078548
30.06.2016
(22) 07.10.2015
(54) ULTRASOUND OBSERVATION APPARATUS, METHOD FOR OPERATING ULTRASOUND OBSERVATION APPARATUS, AND PROGRAM FOR OPERATING ULTRASOUND OBSERVATION APPARATUS
(73) Olympus Corporation
(72) MIYAKI, Hironaka
(31) 2014259474
(32) 22.12.2014
(33) Japan

(51) A61B 8/14
G06T 7/00
A61B 8/00
(11) EP3242602
(21) EP16700010.8
(47) 07.08.2019
(87) EP2016050021
14.07.2016
(22) 04.01.2016
(54) ULTRASOUND IMAGING APPARATUS AND METHOD FOR SEGMENTING ANATOMICAL OBJECTS
(73) Koninklijke Philips N.V.
(72) PETERS, Jochen
TAHMASEBI MARAGHOOSH, Amir Mohammad
WEESE, Juergen
BUERGER, Christian
(31) 201562100136 P
15152964
(32) 06.01.2015
29.01.2015
(33) United States of America
European Patent Office (EPO)

(51) A61B 10/02
A61B 10/04
A61B 1/07
A61B 5/00
(11) EP3102113
(21) EP15743666.8
(47) 07.08.2019
(87) AU2015000051
06.08.2015
(22) 30.01.2015
(54) A MEDICAL DEVICE FOR INSERTION INTO A MATERIAL TO OBTAIN A MATERIAL SAMPLE
(73) The University Of Western Australia
(72) MCLAUGHLIN, Robert Ainsley
QUIRK, Bryden Christopher
LORENSER, Dirk
SCOLARO, Loretta
(31) 2014900312
(32) 03.02.2014
(33) Australia

(51) A61B 10/02
A61B 17/16
A61B 5/00
(11) EP2967508
(21) EP14765525.2
(47) 07.08.2019
(87) US2014028564
18.09.2014
(22) 14.03.2014
(54) INTRAOSSEOUS NEEDLE SETS AND KITS
(73) Teleflex Medical Devices S.à.r.l.
(72) MILLER, Larry, J.
TITKEMEYER, Robert, W.
MORGAN, John
KILCOIN, Chris
(31) 201313835046
(32) 15.03.2013
(33) United States of America

(51) A61B 17/00
A61B 17/072
A61B 17/29
(11) EP3335641
(21) EP17205567.5
(47) 07.08.2019

(22) 17.12.2015
(54) SURGICAL INSTRUMENT ASSEMBLY COMPRISING A LOCKABLE ARTICULATION SYSTEM
(73) Ethicon LLC
(72) SHELTON, IV, Frederick E.
BAXTER, III, Chester O.
DUNKI-JACOBS, Adam R.
SWAYZE, Jeffrey S.
BABER, Daniel L.
(31) 201414574500
(32) 18.12.2014
(33) United States of America

(51) A61B 17/00
A61B 17/12
(11) EP3054854
(21) EP14781197.0
(47) 07.08.2019
(87) EP2014071419
16.04.2015
(22) 07.10.2014
(54) METHOD OF PRODUCING A MEDICAL IMPLANT FOR OCCLUDING AN OPENING IN A BODY
(73) Occlutech Holding AG
(72) NIELSEN, Stevan
(31) 13187614
201361887515 P
(32) 07.10.2013
07.10.2013
(33) European Patent Office (EPO)
United States of America

(51) A61B 17/00
A61B 17/58
A61B 17/60
A61B 17/80
A61F 2/00
A61F 2/46
A61F 5/00
(11) EP2844152
(21) EP13773154.3
(47) 07.08.2019
(87) US2013035256
10.10.2013
(22) 04.04.2013
(54) LATERAL ANKLE FUSION PLATE SYSTEM AND JIG
(73) Orthohelix Surgical Designs, Inc.
(72) JENG, Clifford L.
HEAVENER, Jackson R.
MYERSON, Mark
DEN HARTOG, Bryan D.
SAN GIOVANNI, Thomas
(31) 201261620569 P
201313826901
(32) 05.04.2012
14.03.2013
(33) United States of America
United States of America

(51) A61B 17/02
(11) EP3326541
(21) EP16723391.5
(47) 07.08.2019
(87) ES2016070248
26.01.2017
(22) 11.04.2016
(54) IMPROVED CARDIAC SURGERY RETRACTOR
(73) Sarraj Asil, Anas
(72) Sarraj Asil, Anas
(31) 201531065
(32) 20.07.2015
(33) Spain

(51) A61B 17/04
(11) EP2977013
(21) EP15181724.4
(47) 07.08.2019
(22) 29.06.2011
(54) INSERTION INSTRUMENT FOR ANCHOR ASSEMBLY
(73) Synthes GmbH
(72) OVERES, Tom
TALBOT, James
VENNARD, Daniel
HENRICHSEN, Kevin
MANOS, Jamie
LARSEN, Scott
SINGHATAT, Wamis
(31) 398699 P
201161432755 P
201161461490 P
201161443142 P
201113095192
(32) 29.06.2010
14.01.2011
18.01.2011
15.02.2011
27.04.2011
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) A61B 17/04
A61B 17/06
(11) EP2337503
(21) EP09791605.0
(47) 07.08.2019
(87) US2009054128
25.03.2010
(22) 18.08.2009
(54) SUTURE ANCHOR INSERTER
(73) Smith & Nephew, Inc.
(72) NGUYEN, Linh
TRIPODI, Julie
(31) 212932
(32) 18.09.2008
(33) United States of America

(51) A61B 17/04
A61B 17/06
(11) EP2241264
(21) EP10250763.9
(47) 07.08.2019
(22) 13.04.2010
(54) Suture retainer
(73) Covidien LP
(72) Kirsch, David
(31) 169026 P
726434
(32) 14.04.2009
18.03.2010
(33) United States of America
United States of America

(51) A61B 17/04
A61F 2/24
A61M 39/22
A61B 17/00
(11) EP2967536
(21) EP13878352.7
(47) 07.08.2019
(87) US2013061522
18.09.2014
(22) 25.09.2013
(54) SECURING BIDIRECTIONAL SUTURE LOOPS USING COAXIAL MECHANICAL FASTENERS
(73) LSI Solutions, Inc.
(72) SAUER, Jude S.
MARTELLARO, Angelo J.
(31) 201313840481
(32) 15.03.2013
(33) United States of America

(51) A61B 17/072
A61B 17/29
(11) EP3061408
(21) EP16157559.2
(47) 07.08.2019
(22) 26.02.2016
(54) ADAPTABLE SURGICAL INSTRUMENT HANDLE
(73) Ethicon LLC
(72) SHELTON, IV, Frederick E.
BECKMAN, Andrew T.
HESS, Christopher J.
MORGAN, Jerome R.
(31) 201514633526
(32) 27.02.2015
(33) United States of America

(51) A61B 17/115
(11) EP2891462
(21) EP14199690.0
(47) 07.08.2019
(22) 22.12.2014
(54) SHIPPING MEMBER FOR LOADING UNIT
(73) Covidien LP
(72) Penna, Christopher
Mozdzierz, Patrick
Scirica, Paul A.
Williams, Justin
(31) 201414149355
(32) 07.01.2014
(33) United States of America

(51) A61B 17/16
(11) EP3313299
(21) EP16731091.1
(47) 07.08.2019
(87) EP2016063825
05.01.2017
(22) 16.06.2016
(54) SURGICAL HANDPIECE WITH INTEGRATED SPRING-BIASED ROTATION LOCK
(73) Aesculap AG
(72) BÜRK, André
(31) 102015110415
(32) 29.06.2015
(33) Germany

(51) A61B 17/16
(11) EP3287083
(21) EP16185505.1
(47) 07.08.2019
(22) 24.08.2016
(54) PERFORATOR ASSEMBLY

(73) EMD Kft.
(72) Ujvári, Mihály Gyula
(51) A61B 17/17
A61B 17/02
(11) EP2231035
(21) EP08729966.5
(47) 07.08.2019
(87) US2008054079
02.07.2009
(22) 15.02.2008
(54) MULTIPLE PORTAL GUIDE
(73) Smith & Nephew, Inc.
(72) TORRIE, Paul, Alexander
VILLAR, Richard
ILLIZALITURRI, Victor
(31) 15811 P
(32) 21.12.2007
(33) United States of America

(51) A61B 17/22
A61B 17/32
A61B 17/3207
(11) EP2533705
(21) EP11706383.4
(47) 07.08.2019
(87) US2011024197
18.08.2011
(22) 09.02.2011
(54) ROTATABLE CUTTING IMPLEMENT ARRANGEMENTS FOR ULTRASONIC SURGICAL INSTRUMENTS
(73) Ethicon LLC
(72) ROBERTSON, Galen, C.
TIMM, Richard, W.
RUPP, Kip, M.
SNYDER, Kristina, A.
(31) 703875
(32) 11.02.2010
(33) United States of America

(51) A61B 17/24
A61M 29/02
A61M 25/10
A61B 34/30
A61B 34/20
A61M 25/01
(11) EP2977073
(21) EP15184180.6
(47) 07.08.2019
(22) 04.06.2010
(54) FRONTAL SINUS DILATION CATHETER
(73) Entellus Medical, Inc.
(72) DRONTLE, Mr. John R.
HANSON, Mr. Anthony, J.
(31) 479521
(32) 05.06.2009
(33) United States of America

(51) A61B 17/32
A61B 17/34
A61B 10/02
A61B 18/14
(11) EP3038549
(21) EP14848549.3
(47) 07.08.2019
(87) US2014057857
02.04.2015
(22) 26.09.2014
(54) TISSUE INCISION DEVICE
(73) Release Medical, Inc.
(72) BROWN, Treg
GOLDEN, Steven S.
FERNANDEZ, Robert
COHEN, Nathaniel
(31) 201361883861 P
201361912439 P
(32) 27.09.2013
05.12.2013
(33) United States of America
United States of America

(51) A61B 17/32
A61B 18/12
(11) EP2836143
(21) EP13718251.5
(47) 07.08.2019
(87) US2013035364
17.10.2013
(22) 05.04.2013
(54) SWITCH ARRANGEMENTS FOR ULTRASONIC SURGICAL INSTRUMENTS
(73) Ethicon LLC
(72) TIMM, Richard W.
PRICE, Daniel W.
KIRK, Jeffrey T.
VASQUEZ, Jose Domingo
DIETZ, Timothy G.
SMITH, Richard C.
ASHER, Ryan M.
ALDRIDGE, Jeffrey L.
DAVIS, Craig T.
HENRY, Emron J.
VOEGELE, James W.
JOHNSON, Gregory W.
(31) 201261621876 P
201313839093
(32) 09.04.2012
15.03.2013
(33) United States of America
United States of America

(51) A61B 17/3207
A61B 17/00
A61B 17/32
(11) EP2509519
(21) EP10796232.6
(47) 07.08.2019
(87) US2010059740
16.06.2011
(22) 09.12.2010
(54) MATERIAL REMOVAL DEVICE HAVING IMPROVED MATERIAL CAPTURE EFFICIENCY
(73) Covidien LP
(72) ZHANG, Zhiyong
MOBERG, John
RANGWALA, Hussain
MCPEAK, Thomas
WHEALON, William
KUSLEIKA, Richard
(31) 285768 P
(32) 11.12.2009
(33) United States of America

(51) A61B 17/3207
A61B 17/22
A61M 25/10
(11) EP3367935
(21) EP16798862.5
(47) 07.08.2019
(87) US2016059537
04.05.2017
(22) 28.10.2016
(54) SCORING BALLOON WITH TRANSLATING SCORING WIRES
(73) C.R. Bard, Inc.
(72) BOYLE, Melissa
ROUSU, Corey
WRIGHT, Mark, Nicholas
(31) 201562249119 P
201615210603
(32) 30.10.2015
14.07.2016
(33) United States of America
United States of America

(51) A61B 17/34
(11) EP2633828
(21) EP13275028.2
(47) 07.08.2019
(22) 13.02.2013
(54) Introducer assembly
(73) Cook Medical Technologies LLC
(72) Ahmed, Mahfuza
Ryan, Walter N.
(31) 201261604329 P
(32) 28.02.2012
(33) United States of America

(51) A61B 17/34
A61B 1/00
(11) EP2967647
(21) EP14764118.7
(47) 07.08.2019
(87) US2014030389
18.09.2014
(22) 17.03.2014
(54) SURGICAL LAPAROSCOPIC SYSTEM
(73) Miret Surgical, Inc.
(72) PELL, Christopher
ROOP, John
DUGGAN, Bryan
(31) 201361792957 P
(32) 15.03.2013
(33) United States of America

(51) A61B 17/34
A61B 18/14
A61B 17/32
A61B 17/02
A61B 18/00
(11) EP3068316
(21) EP14861391.2
(47) 07.08.2019
(87) US2014064925
21.05.2015
(22) 11.11.2014
(54) DEVICES AND KITS FOR TREATMENT OF FACET JOINTS
(73) Thixos LLC
(72) SOLSBERG, Murray David
BEALL, Douglas Preston
DEAN, Ryan Erich
(31) 201361903806 P
(32) 13.11.2013
(33) United States of America

(51) A61B 17/56
A61B 17/16
A61B 10/02
A61M 39/10
A61B 17/34
(11) EP2967650

(21) EP14762340.9
(47) 07.08.2019
(87) US2014028915
18.09.2014
(22) 14.03.2014
(54) INTRAOSSEOUS DEVICE COUPLERS
(73) Teleflex Medical Devices S.à.r.l.
(72) WOODWARD, Steven, Paul
YOON, Michel
(31) 201313835383
(32) 15.03.2013
(33) United States of America

(51) A61B 17/56
A61B 17/68
A61F 2/02
A61L 27/40
A61F 2/30
A61B 17/16
A61L 27/36
A61L 27/50
A61L 31/06
A61B 17/80
A61B 17/86
A61B 17/00
(11) EP3188676
(21) EP15838477.6
(47) 07.08.2019
(87) IL2015050904
10.03.2016
(22) 07.09.2015
(54) BIOCOMPOSITE ORTHOPEDIC IMPLANT INTRODUCER ASSEMBLY
(73) Ossio Ltd.
(72) PREISS-BLOOM, Orahn
LINDNER, Taly Pnina
(31) 201462047023 P
(32) 07.09.2014
(33) United States of America

(51) A61B 17/56
A61F 2/32
(11) EP3243454
(21) EP17164693.8
(47) 07.08.2019
(22) 04.04.2017
(54) SUPPORTING DEVICE MOUNTABLE AT THE PELVIC BONE
(73) Baumgart, Rainer
(72) Baumgart, Rainer
(31) 16163669
(32) 04.04.2016
(33) European Patent Office (EPO)

(51) A61B 17/80
A61B 17/70
(11) EP3383294
(21) EP16826445.5
(47) 07.08.2019
(87) IB2016057103
08.06.2017
(22) 24.11.2016
(54) OCCIPITAL-CERVICAL FIXATION EQUIPMENT
(73) Medacta International SA
(72) FIECHTER, Meinrad
INCANDELA, Michele
MARTIS, Massimiliano
SICCARDI, Francesco
(31) UB20156306
(32) 03.12.2015
(33) Italy

(51) A61B 17/86
A61B 17/70
(11) EP2814412
(21) EP13749333.4
(47) 07.08.2019
(87) US2013024583
22.08.2013
(22) 04.02.2013
(54) BONE FASTENER
(73) Warsaw Orthopedic, Inc.
(72) REZACH, William Alan
(31) 201213372144
(32) 13.02.2012
(33) United States of America

(51) A61B 17/88
(11) EP3212099
(21) EP15790442.6
(47) 07.08.2019
(87) CH2015000155
06.05.2016
(22) 22.10.2015
(54) DEVICE FOR APPLYING BONE REPLACEMENT PASTES
(73) Mathys AG Bettlach
(72) HUG, Yvonne
OLBRICHT, Björn
(31) 202014008486 U
(32) 27.10.2014
(33) Germany

(51) A61B 18/08
(11) EP2789306
(21) EP13804265.0
(47) 07.08.2019
(87) JP2013065940
19.12.2013
(22) 10.06.2013
(54) TREATMENT SYSTEM
(73) Olympus Corporation
(72) HONDA, Yoshitaka
IRISAWA, Takashi
TAKAMI, Sadayoshi
KATSURAGI, Toshifumi
TANAKA, Kazue
(31) 201261660354 P
(32) 15.06.2012
(33) United States of America

(51) A61B 18/08
A61B 18/12
(11) EP2777576
(21) EP13803587.8
(47) 07.08.2019
(87) JP2013065942
19.12.2013
(22) 10.06.2013
(54) TREATMENT SYSTEM
(73) Olympus Corporation
(72) HONDA, Yoshitaka
IRISAWA, Takashi
TAKAMI, Sadayoshi
KATSURAGI, Toshifumi
TANAKA, Kazue
(31) 201261660364 P
(32) 15.06.2012
(33) United States of America

(51) A61B 18/14
(11) EP3313311
(21) EP16741439.0
(47) 07.08.2019
(87) US2016039915
05.01.2017
(22) 28.06.2016
(54) OPEN-IRRIGATED ABLATION CATHETER
(73) Boston Scientific Scimed Inc.
(72) MIRIGIAN, Mark D.
KIM, Isaac J.
FORREST, Mark D.
CHEUNG, Desmond
HARVEY, Guy R.
KURSE, Ravi
ORTIZ, Ofelia
VELILLA, Simplicio A.
NGUYEN, Oanh
WYLIE, Bryan
ESHEIM, Taiki
(31) 201562186359 P
(32) 29.06.2015
(33) United States of America

(51) A61B 18/14
A61B 17/32
A61B 18/00
A61B 17/00
A61B 90/00
(11) EP3316812
(21) EP16739613.4
(47) 07.08.2019
(87) US2016039218
05.01.2017
(22) 24.06.2016
(54) SURGICAL SYSTEM WITH USER ADAPTABLE TECHNIQUES BASED ON TISSUE TYPE
(73) Ethicon LLC
(72) STULEN, Foster B.
MADAN, Ashvani K.
HOUSER, Kevin L
(31) 201562186984 P
201562235368 P
201562235466 P
201562235260 P
201662279635 P
201662330669 P
201615177439
(32) 30.06.2015
30.09.2015
30.09.2015
30.09.2015
15.01.2016
02.05.2016
09.06.2016
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) A61B 18/14
A61B 34/20
(11) EP3245972
(21) EP17171315.9
(47) 07.08.2019
(22) 16.05.2017

(54) MULTI-ELECTRODE CATHETER SPINE AND METHOD OF MAKING THE SAME
(73) Biosense Webster (Israel) Ltd.
(72) AUJLA, Vishav
(31) 201615157179
(32) 17.05.2016
(33) United States of America

(51) A61B 18/18
(11) EP3155995
(21) EP16197308.6
(47) 07.08.2019
(22) 03.04.2009
(54) SYSTEMS FOR THERMAL THERAPY
(73) Visualase, Inc.
(72) GOWDA, Ashok
MCNICHOLS, Roger
(31) 42199 P
(32) 03.04.2008
(33) United States of America

(51) A61B 18/22
A61B 18/26
A61N 5/06
A61M 25/10
A61K 39/00
A61B 18/20
A61N 7/00
A61B 5/00
A61B 8/00
A61B 6/00
A61B 8/08
A61B 8/12
A61B 5/01
A61B 1/012
A61B 18/00
A61B 5/026
A61B 5/055
A61B 5/107
A61B 18/18
A61B 90/00
A61B 18/02
(11) EP3131490
(21) EP15779180.7
(47) 07.08.2019
(87) IL2015050410
22.10.2015
(22) 16.04.2015
(54) SYSTEMS FOR BLOCKING NEURAL ACTIVITY IN THE DUODENUM
(73) Digma Medical Ltd.
(72) BEN OREN, Ilan
YANIV, Irit
WOLF, Tamir
HERSCHKOVITZ, Avia
(31) 201461980618 P
201462030641 P
(32) 17.04.2014
30.07.2014
(33) United States of America
United States of America

(51) A61B 34/20
B43K 24/02
A61B 17/00
(11) EP3049012
(21) EP14771922.3
(47) 07.08.2019
(87) EP2014070338
02.04.2015
(22) 24.09.2014
(54) METHOD OF CALCULATING A SURGICAL INTERVENTION PLAN
(73) Koninklijke Philips N.V.
(72) SABCZYNSKI, Joerg
MEETZ, Kirsten Regina
BUELOW, Thomas
KUTRA, Dominik Benjamin
(31) 13185725
(32) 24.09.2013
(33) European Patent Office (EPO)

(51) A61B 34/30
A61B 1/00
(11) EP2892607
(21) EP13835435.2
(47) 07.08.2019
(87) US2013058536
13.03.2014
(22) 06.09.2013
(54) SYSTEM FOR GUIDE CATHETER CONTROL
(73) Corindus, Inc
(72) BLACKER, Steven
(31) 201261697734 P
201261699711 P
201361832227 P
(32) 06.09.2012
11.09.2012
07.06.2013
(33) United States of America
United States of America
United States of America

(51) A61B 90/25
G02B 21/24
G02B 21/36
A61B 1/00
(11) EP3144711
(21) EP15809666.9
(47) 07.08.2019
(87) JP2015064902
23.12.2015
(22) 25.05.2015
(54) MEDICAL OBSERVATION DEVICE AND MEDICAL OBSERVATION SYSTEM
(73) Sony Olympus Medical Solutions Inc.
(72) HIGUCHI, Gakuji
ISHIKAWA, Tomonori
KADO, Masataka
(31) 2014127686
(32) 20.06.2014
(33) Japan

(51) A61B 90/57
A61F 5/37
A61G 13/12
A61N 5/10
(11) EP2303175
(21) EP09767521.9
(47) 07.08.2019
(87) US2009047154
23.12.2009
(22) 12.06.2009
(54) PATIENT POSITIONING SYSTEM
(73) Civco Medical Instruments Co., Inc.
(72) WILSON, Roger, F.
MLYN, Marc
DE MOOY, Leo, G.
DALBOW, Geoffrey
WHITMORE, Willet, F.
RIBBLE, Bruce
(31) 73174 P
431121
(32) 17.06.2008
28.04.2009
(33) United States of America
United States of America

(51) A61C 3/025
A61C 1/08
(11) EP3005972
(21) EP14807381.0
(47) 07.08.2019
(87) JP2014064778
11.12.2014
(22) 03.06.2014
(54) HAND PIECE FOR SPRAYING POWDER
(73) Tohoku University
Kabushiki Kaisha Sangi
(72) KURIYAGAWA, Tsunemoto
SAKUMA, Shuji
ISHIZAKI, Tsutomu
OHTA, Kazushi
(31) 2013118710
2014015535
(32) 05.06.2013
30.01.2014
(33) Japan
Japan

(51) A61C 7/02
A61C 7/20
(11) EP1978884
(21) EP07716243.6
(47) 07.08.2019
(87) US2007000076
19.07.2007
(22) 03.01.2007
(54) METHOD FOR LOCALIZED HEAT TREATMENT OF ORTHODONTIC WIRES
(73) Hilliard, Jack Keith
(72) Hilliard, Jack Keith
(31) 756295 P
618970
(32) 04.01.2006
02.01.2007
(33) United States of America
United States of America

(51) A61C 7/08
A61C 5/00
A61C 7/00
A61C 13/271
(11) EP2873389
(21) EP13812844.2
(47) 07.08.2019
(87) ES2013070469
09.01.2014
(22) 04.07.2013
(54) METHOD FOR THE PRODUCTION OF A DENTAL CORRECTION SPLINT AND RESULTING SPLINT
(73) Badrena Morales, Monica
(72) Badrena Morales, Monica
(31) 201231066
(32) 06.07.2012
(33) Spain

(51) A61C 8/00
(11) EP3267930
(21) EP16713543.3
(47) 07.08.2019
(87) FR2016050533

15.09.2016
(22) 08.03.2016
(54) DENTAL PROSTHESIS ASSEMBLY, ANCILLARY SYSTEM FOR FITTING AN ABUTMENT ON A DENTAL IMPLANT AND FOR REMOVING SAID ABUTMENT
(73) Global D
(72) LAURENT, Olivier Jérôme
CASIMIRO, Roméo
(31) 1551956
(32) 09.03.2015
(33) France

(51) A61C 8/00
A61C 13/10
(11) EP2815717
(21) EP14172940.0
(47) 07.08.2019
(22) 18.06.2014
(54) DENTAL FIXATION SYSTEM
(73) Createch Medical, S.L.
(72) Urzainqui Beristain, Ruben
Moreno Lucendo, Angel
Mendez Robles, Jose Maria
Egurbide Aristondo, Xabier
Gimeno Eguia, Julen
Gomez Picaza, Mikel
Urzainqui Beristain, Anchoka
(31) 201330941
(32) 21.06.2013
(33) Spain

(51) A61C 9/00
A61C 13/00
A61C 13/10
A61C 13/271
A61C 13/267
A61C 13/34
C08G 18/42
(11) EP3266409
(21) EP17174002.0
(47) 07.08.2019
(22) 01.06.2017
(54) REMOVABLE DENTAL PROSTHESIS AND METHOD FOR MANUFACTURING SAID REMOVABLE DENTAL PROSTHESIS
(73) TOUT DENTAIRE
(72) ATTALIN, Rémy
(31) 1656607
(32) 08.07.2016
(33) France

(51) A61C 13/00
A61C 13/01
A61C 13/08
(11) EP2861180
(21) EP13728223.2
(47) 07.08.2019
(87) EP2013062279
19.12.2013
(22) 13.06.2013
(54) METHOD FOR PREPARING A PARTIAL OR FULL DENTAL PROSTHESIS
(73) Vita Zahnfabrik H. Rauter GmbH & Co. KG
(72) KERSCHENSTEINER, Eva
CHRISTEN, Urban
(31) 12172219
201261660266 P
(32) 15.06.2012
15.06.2012
(33) European Patent Office (EPO)
United States of America

(51) A61C 13/00
A61C 13/34
(11) EP2538869
(21) EP11746886.8
(47) 07.08.2019
(87) DK2011050057
01.09.2011
(22) 24.02.2011
(54) SUPPORT OF REMOVABLE COMPONENTS IN A TEETH MODEL MANUFACTURED BY MEANS OF COMPUTER AIDED MANUFACTURING
(73) 3Shape A/S
(72) GILLES, Brieuc
FISCHER, David
LANG, Morten Markussen
FISKER, Rune
NONBOE, Sven
TOFTHØJ, Steen Frost
(31) 375346 P
201000730
307577 P
201000151
(32) 20.08.2010
20.08.2010
24.02.2010
24.02.2010
(33) United States of America
Denmark
United States of America
Denmark

(51) A61C 13/15
B05C 17/005
B05C 1/06
B05C 17/00
(11) EP2872068
(21) EP13783238.2
(47) 07.08.2019
(87) DE2013100258
16.01.2014
(22) 11.07.2013
(54) APPLICATOR FOR IN PARTICULAR MANUALLY CONTROLLED APPLICATION OF A LIGHT-CURABLE COMPOSITE MATERIAL AND ARRANGEMENT OF A LIGHT SOURCE ON THE APPLICATOR
(73) KDS Holding GmbH
(72) JURCEVIC, Dinko
(31) 202012102583 U
(32) 12.07.2012
(33) Germany

(51) A61C 17/02
(11) EP3357454
(21) EP18154404.0
(47) 07.08.2019
(22) 31.01.2018
(54) ORAL CAVITY WASHING DEVICE AND NOZZLE FOR THE SAME
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) NUNOMURA, Mahito
TANIGUCHI, Shinichi
(31) 2017020725
(32) 07.02.2017
(33) Japan

(51) A61C 17/34
A61C 1/18
A61C 17/22
(11) EP3300688
(21) EP16191027.8
(47) 07.08.2019
(22) 28.09.2016
(54) ELECTRICALLY DRIVEN DEVICE
(73) Braun GmbH
(72) Fritsch, Thomas
Kramp, Andreas
Schaefer, Norbert

(51) A61C 17/34
A61C 17/22
(11) EP3294203
(21) EP16724120.7
(47) 07.08.2019
(87) IB2016052698
17.11.2016
(22) 11.05.2016
(54) AN ATTACHMENT STRUCTURE, HANDLE AND MOTOR CONTROLLER FOR A PERSONAL CARE APPLIANCE, PERSONAL CARE APPLIANCE AND A METHOD OF SECURING ATTACHMENT STRUCTURE TO A HANDLE OF PERSONAL CARE APPLIANCE
(73) Koninklijke Philips N.V.
(72) DEANE, Steven Charles
(31) 201562161372 P
(32) 14.05.2015
(33) United States of America

(51) A61C 17/34
A61C 17/22
(11) EP3290001
(21) EP16880188.4
(47) 07.08.2019
(87) JP2016066661
07.12.2017
(22) 03.06.2016
(54) VIBRATOR FOR TOOTHBRUSH
(73) M-System Co. Ltd.
(72) MIYAMICHI, Saburo

(51) A61C 17/34
A61C 17/22
A61C 1/18
(11) EP3300689
(21) EP16191028.6
(47) 07.08.2019
(22) 28.09.2016
(54) ELECTRICALLY DRIVEN DEVICE
(73) Braun GmbH
(72) Fritsch, Thomas
Kramp, Andreas
Schaefer, Norbert

(51) A61F 2/02
A61M 25/10
F16F 9/00
A61F 2/00
A61F 2/04
A61F 2/06
A61B 5/20
A61M 25/00
(11) EP1572285
(21) EP03770516.7
(47) 07.08.2019
(87) US2003030503
15.04.2004

(22) 29.09.2003
(54) IMPLANTABLE PRESSURE ATTENUATION DEVICE
(73) Solace Therapeutics, Inc.
(72) CONNORS, Kevin G.
PINTAURO, William L.
WALLIN, Sheila K.
KILCOYNE, John T.
CAO, Hung H.
NGUYEN, Khoi M.
YUREK, Matthew T.
(31) 415949 P
391446
391448
391450
391447
618571
(32) 03.10.2002
17.03.2003
17.03.2003
17.03.2003
17.03.2003
11.07.2003
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) A61F 2/04
A61M 25/00
A61M 29/00
A61M 25/06
A61M 29/02
(11) EP3151899
(21) EP15738985.9
(47) 07.08.2019
(87) IB2015054242
10.12.2015
(22) 04.06.2015
(54) DEVICE FOR THE TREATMENT OF ESOPHAGEAL STENOSES
(73) Evoluzione S.r.l.
Ospedale Pediatrico Bambino Gesù
SIDAM S.r.l.
(72) DALL'OGLIO, Luigi
(31) MO20140166
(32) 06.06.2014
(33) Italy

(51) A61F 2/06
(11) EP2713946
(21) EP12728742.3
(47) 07.08.2019
(87) GB2012051248
06.12.2012
(22) 01.06.2012
(54) DEVICE FOR SECURING A PROSTHESIS TO THE INTERNAL WALL OF A BODY LUMEN
(73) Vascutek Limited
(72) McGEE, Graham
STEVENSON, David Granville
(31) 201109315
(32) 03.06.2011
(33) United Kingdom

(51) A61F 2/06
(11) EP2713948
(21) EP12731617.2
(47) 07.08.2019
(87) GB2012051236
06.12.2012
(22) 01.06.2012
(54) STENT GRAFT
(73) Vascutek Limited
(72) MCDONALD, Gary Peter
STEVENSON, David Granville
(31) 201109317
(32) 03.06.2011
(33) United Kingdom

(51) A61F 2/06
A61F 2/24
(11) EP3231392
(21) EP15870076.5
(47) 07.08.2019
(87) JP2015085460
23.06.2016
(22) 18.12.2015
(54) SUBSTRATE FOR FORMING ARTIFICIAL VALVE AND ARTIFICIAL VALVE
(73) National Cerebral and Cardiovascular Center
(72) NAKAYAMA, Yasuhide
OIE, Tomonori
(31) 2014256901
(32) 19.12.2014
(33) Japan

(51) A61F 2/07
(11) EP3318220
(21) EP17206173.1
(47) 07.08.2019
(22) 23.12.2013
(54) ENDOLUMINAL PROSTHESIS
(73) Cook Medical Technologies LLC
(72) Havel, William John
Huser, Matthew S.
(31) 201261747536 P
(32) 31.12.2012
(33) United States of America

(51) A61F 2/07
A61F 2/856
A61F 2/91
A61F 2/915
A61F 2/954
A61F 2/958
A61F 2/82
A61F 2/86
A61F 2/92
A61F 2/06
(11) EP2023854
(21) EP07795816.3
(47) 07.08.2019
(87) US2007013361
21.12.2007
(22) 06.06.2007
(54) STENT WITH A CRUSH-RESISTANT ZONE
(73) Cook Medical Technologies LLC
(72) SCHAEFFER, Darin G.
BOATMAN, Scott E.
DITTMAN, Jay A.
HARTLEY, David Ernest
(31) 811159 P
(32) 06.06.2006
(33) United States of America

(51) A61F 2/14
A61F 9/007
(11) EP3302358
(21) EP16734047.0
(47) 07.08.2019
(87) IL2016050597
15.12.2016
(22) 08.06.2016
(54) KERATOPROSTHESIS
(73) Corneat Vision Ltd
(72) LITVIN, Gilad
(31) 201562172588 P
(32) 08.06.2015
(33) United States of America

(51) A61F 2/16
(11) EP3297574
(21) EP16728844.8
(47) 07.08.2019
(87) EP2016061424
24.11.2016
(22) 20.05.2016
(54) CAPSULE TENSIONING RING
(73) Feusi, Marco
(72) Feusi, Marco
(31) 7142015
(32) 21.05.2015
(33) Switzerland

(51) A61F 2/24
(11) EP1861043
(21) EP06734867.2
(47) 07.08.2019
(87) US2006004921
08.09.2006
(22) 09.02.2006
(54) DEVICE AND SYSTEM FOR AIDING VALVE ANNULOPLASTY
(73) Medtronic Vascular, Inc.
(72) CRITTENDEN, James
(31) 69335
(32) 28.02.2005
(33) United States of America

(51) A61F 2/24
(11) EP2793751
(21) EP12859237.5
(47) 07.08.2019
(87) US2012070785
27.06.2013
(22) 20.12.2012
(54) PLATFORMS FOR MITRAL VALVE REPLACEMENT
(73) The Trustees of The University of Pennsylvania
(72) GORMAN, Joseph, H., III
GORMAN, Robert, C.
GILLESPIE, Matthew, J.
(31) 201161578382 P
(32) 21.12.2011
(33) United States of America

(51) A61F 2/24
A61F 2/958
A61M 25/10
(11) EP3366262
(21) EP18167468.0
(47) 07.08.2019
(22) 18.10.2013
(54) REINFORCED INFLATABLE MEDICAL DEVICES
(73) Loma Vista Medical, Inc.
(72) Tilson, Alexander Q.
Dreyer, Paul J.

Barham, Mitchell C.
Scheeff, Mark C.
Love, Charles S.
Gomes, Garrett J.
Kurniawan, Jonathan
Moore, Cameron S.
(31) 201261715761 P
201361844827 P
(32) 18.10.2012
10.07.2013
(33) United States of America
United States of America

(51) A61F 2/28
A61L 27/56
(11) EP3181097
(21) EP15832600.9
(47) 07.08.2019
(87) CN2015082066
18.02.2016
(22) 23.06.2015
(54) LOW-MODULUS MEDICAL IMPLANTATION POROUS SUPPORT STRUCTURE
(73) Fujian Institute Of Research On The Structure Of Matter, Chinese Academy Of Sciences
(72) LIN, Jinxin
WU, Songquan
LIN, Junjie
LU, Yanjin
GAN, Yiliang
ZHAO, Chaoqian
(31) 201410401502
(32) 13.08.2014
(33) China

(51) A61F 2/38
A61F 2/46
(11) EP3200728
(21) EP15847098.9
(47) 07.08.2019
(87) US2015053630
07.04.2016
(22) 02.10.2015
(54) ANATOMICALLY DESIGNED MENISCUS IMPLANTABLE DEVICES
(73) McCullen, Seth
Accardi, Mario Alberto
(72) McCullen, Seth
Accardi, Mario Alberto
(31) 201462058688 P
(32) 02.10.2014
(33) United States of America

(51) A61F 2/40
(11) EP3283014
(21) EP15719405.1
(47) 07.08.2019
(87) CH2015000058
20.10.2016
(22) 15.04.2015
(54) ARTIFICIAL JOINT IMPLANT
(73) 41HEMIVERSE AG
(72) OVERES, Tom
FRIGG, Robert

(51) A61F 2/40
A61F 2/30
(11) EP3260087
(21) EP16305767.2
(47) 07.08.2019
(22) 24.06.2016
(54) SET FOR A GLENOID IMPLANT
(73) Tornier
(72) CARDON, Jean-Emmanuel
DASSONVILLE, Benjamin
MAGNAC, Christrophe

(51) A61F 2/42
(11) EP3182935
(21) EP15766899.7
(47) 07.08.2019
(87) FR2015052179
25.02.2016
(22) 07.08.2015
(54) ARTHRODESIS IMPLANT AND INSTRUMENT FOR GRIPPING SUCH AN IMPLANT
(73) In2Bones
(72) BOUBLIL, Daniel Edmond
COILLARD-LAVIROTTE, Jean-Yves Paul Albert
(31) 1457860
(32) 18.08.2014
(33) France

(51) A61F 2/44
(11) EP1731116
(21) EP06405252.5
(47) 07.08.2019
(22) 08.06.2006
(54) Intervertebal implant
(73) coLigne AG
(72) Recoules-Arche, Didier
Velez, Robert
Lange, Robert
(31) 688331 P
(32) 08.06.2005
(33) United States of America

(51) A61F 2/46
(11) EP2987468
(21) EP15187936.8
(47) 07.08.2019
(22) 10.06.2011
(54) VACUUM CEMENTATION SYSTEM
(73) Heraeus Medical GmbH
(72) Vogt, Sebastian
Büchner, Hubert
Schnieber, Tim
(31) 102010026497
(32) 07.07.2010
(33) Germany

(51) A61F 2/50
A61F 2/58
A61F 2/68
A61F 2/70
A61F 2/78
(11) EP3352710
(21) EP16770479.0
(47) 07.08.2019
(87) EP2016072331
30.03.2017
(22) 20.09.2016
(54) PROSTHESIS ASSEMBLY
(73) Otto Bock Healthcare Products GmbH
(72) KALMAR, Janos
PAWLIK, Roland
FUCHS, Florian
(31) 102015116133
(32) 24.09.2015
(33) Germany

(51) A61F 2/50
A61F 2/66
A61F 2/70
A61F 2/74
A61F 2/76
(11) EP3128958
(21) EP15776980.3
(47) 07.08.2019
(87) US2015025461
15.10.2015
(22) 10.04.2015
(54) PROSTHETIC FOOT WITH REMOVABLE FLEXIBLE MEMBERS
(73) Össur HF
(72) CLAUSEN, Arinbjorn V.
ANDRESSON, Bjarni
GUNNARSSON, Ragnar Orn
LECOMTE, Christophe Guy
SVEINBJORNSDOTTIR, Maria Gudrun
SANDHAL, David
SVERRISSON, Atli Orn
LANGLOIS, David
(31) 201461978721 P
201462042687 P
201562106085 P
(32) 11.04.2014
27.08.2014
21.01.2015
(33) United States of America
United States of America
United States of America

(51) A61F 2/50
A61F 2/68
(11) EP3285693
(21) EP16716598.4
(47) 07.08.2019
(87) EP2016058406
27.10.2016
(22) 15.04.2016
(54) METHOD FOR CONTROLLING AN ARTIFICIAL KNEE JOINT
(73) Otto Bock Healthcare Products GmbH
(72) SEIFERT, Dirk
(31) 102015106389
(32) 24.04.2015
(33) Germany

(51) A61F 2/64
A61F 2/60
A61F 2/68
A61F 2/70
A61F 2/76
A61F 2/50
A61F 2/74
(11) EP3067018
(21) EP16020083.8
(47) 07.08.2019
(22) 14.03.2016
(54) IMPROVEMENTS IN OR RELATING TO PROSTHETIC LEGS
(73) J Q L A Bender & J A Boender
(72) Boender, Jacob Quintus Laurence Anthony
(31) 201504242
(32) 13.03.2015
(33) United Kingdom

(51) A61F 2/78
A61F 2/50
A61F 2/76

A61F 2/80
A61F 7/00
(11) EP3340943
(21) EP16758365.7
(47) 07.08.2019
(87) US2016048532
02.03.2017
(22) 25.08.2016
(54) PROSTHETIC SYSTEM
(73) Ossur Iceland EHF
(72) JONSSON, Grimur
BACHE, Andrew
(31) 201562209421 P
(32) 25.08.2015
(33) United States of America

(51) A61F 2/82
A61M 25/10
A61M 25/01
(11) EP2938388
(21) EP13836213.2
(47) 07.08.2019
(87) IB2013003065
03.07.2014
(22) 31.12.2013
(54) BALLOON CATHETER WITH TRANSIENT RADIOPAQUE MARKING
(73) Clearstream Technologies Limited
(72) KLOCKE, Stephanie
RIGHI, Rob
(31) 201261747403 P
(32) 31.12.2012
(33) United States of America

(51) A61F 2/86
A61L 31/16
A61K 9/00
(11) EP2806833
(21) EP13704657.9
(47) 07.08.2019
(87) US2013022791
01.08.2013
(22) 23.01.2013
(54) HOLLOW DRUG-FILLED STENT AND METHOD OF FORMING HOLLOW DRUG-FILLED STENT
(73) Medtronic Vascular Inc.
(72) THOMPSON, Dustin
(31) 201213360538
(32) 27.01.2012
(33) United States of America

(51) A61F 2/88
(11) EP2816981
(21) EP13704324.6
(47) 07.08.2019
(87) US2013024047
29.08.2013
(22) 31.01.2013
(54) METHOD OF FORMING A NITINOL STENT
(73) Medtronic Vascular Inc.
(72) THOMPSON, Dustin
(31) 201213403784
(32) 23.02.2012
(33) United States of America

(51) A61F 2/915
A61F 2/844
A61F 2/86
(11) EP2967941
(21) EP14708185.5
(47) 07.08.2019
(87) US2014017095
25.09.2014
(22) 19.02.2014
(54) STENT
(73) Covidien LP
(72) VOGEL, Jeffrey H.
NOFFKE, Paul
ZHANG, Zhiyong
(31) 201313834840
(32) 15.03.2013
(33) United States of America

(51) A61F 2/95
A61F 2/07
A61F 2/97
(11) EP3205314
(21) EP17166472.5
(47) 07.08.2019
(22) 21.01.2013
(54) EXTERNAL STEERABLE FIBER FOR USE IN ENDOLUMINAL DEPLOYMENT OF EXPANDABLE DEVICES
(73) W.L. Gore & Associates Inc.
(72) NORRIS, Patrick M.
(31) 201261610372 P
201313743118
(32) 13.03.2012
16.01.2013
(33) United States of America
United States of America

(51) A61F 7/10
A61F 7/02
A61F 7/00
(11) EP3094289
(21) EP14882315.6
(47) 07.08.2019
(87) US2014058996
20.08.2015
(22) 03.10.2014
(54) FLUID CASSETTE WITH TENSIONED POLYMERIC MEMBRANES FOR PATIENT HEAT EXCHANGE SYSTEM
(73) ZOLL Circulation, Inc.
(72) DABROWIAK, Jeremy Thomas
PISTOR, Christop Matthias
PENDRY, Craig Wendell
PAMICHEV, Christo
(31) 201414180613
(32) 14.02.2014
(33) United States of America

(51) A61F 9/00
A61F 9/007
(11) EP3366264
(21) EP18153863.8
(47) 07.08.2019
(22) 10.03.2014
(54) IMPLANTS WITH CONTROLLED DRUG DELIVERY FEATURES
(73) Dose Medical Corporation
(72) Haffner, David
Burns, Thomas W.
Heitzmann, Harold
Curry, Kenneth Martin
(31) 201361788731 P
(32) 15.03.2013
(33) United States of America

(51) A61F 9/007
(11) EP2913034
(21) EP14156968.1
(47) 07.08.2019
(22) 27.02.2014
(54) Surgical hand-held tool
(73) EOS GmbH
(72) Klomp, Manfred

(51) A61F 9/008
(11) EP3110378
(21) EP15754864.5
(47) 07.08.2019
(87) US2015018158
03.09.2015
(22) 27.02.2015
(54) LASER ASSISTED CATARACT SURGERY
(73) Excel-Lens, Inc.
(72) YEE, Kingman
MORDAUNT, David H.
(31) 201414193592
201414193630
201414193671
201414193716
201461975506 P
201462047373 P
(32) 28.02.2014
28.02.2014
28.02.2014
28.02.2014
04.04.2014
08.09.2014
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) A61F 13/15
(11) EP3215083
(21) EP15794791.2
(47) 07.08.2019
(87) US2015059397
12.05.2016
(22) 06.11.2015
(54) PROCESS AND APPARATUS FOR MANUFACTURING AN ABSORBENT ARTICLE USING A LASER SOURCE
(73) The Procter & Gamble Company
(72) SCHNEIDER, Uwe
IBARRARAZO, Pablo
EIMANN, Klaus
PAGE, Michael, Joseph
WALSH, Bradley, Edward
(31) 201462076513 P
(32) 07.11.2014
(33) United States of America

(51) A61F 13/15
(11) EP3209256
(21) EP15791092.8
(47) 07.08.2019
(87) US2015056168
28.04.2016
(22) 19.10.2015
(54) METHOD AND APPARATUS FOR ROTATING AN ABSORBENT ARTICLE
(73) The Procter & Gamble Company
(72) LONG, Michael Devin
ORDWAY, David Carlton
SCHNEIDER, Uwe

(31) 201462066423 P
(32) 21.10.2014
(33) United States of America

(51) A61F 13/15
A61F 13/49
B32B 37/12
B32B 37/20
B32B 38/00
B32B 38/18
(11) EP2756831
(21) EP12832071.0
(47) 07.08.2019
(87) JP2012072928
21.03.2013
(22) 07.09.2012
(54) OSCILLATING/FEEDING APPARATUS FOR CONTINUOUS MEMBER
(73) Kao Corporation
(72) KOKUBO, Makoto
SERA Takeshi
(31) 2011198786
(32) 12.09.2011
(33) Japan

(51) A61F 13/494
A61F 13/537
A61F 13/532
(11) EP3038578
(21) EP14761505.8
(47) 07.08.2019
(87) US2014052453
05.03.2015
(22) 25.08.2014
(54) ABSORBENT ARTICLES WITH CHANNELS
(73) The Procter & Gamble Company
(72) ROE, Donald, Carroll
AMES-OOTEN, Kathy, Quinlan
BOESEL, Julia
FEIST, Barry, Robert
GREENING, Nelson, Edward, II
KREUZER, Carsten, Heinrich
MARTYNUS, Cornelia, Beate
O'REILLY, Marie, Brigid
SAUTTER, Sandra
SIMON, Beate
STELZIG, Lutz
WALTHER, Rachael, Eden
(31) 201361870365 P
(32) 27.08.2013
(33) United States of America

(51) A61F 13/512
A61F 13/515
A61F 13/472
A61F 13/511
(11) EP2621440
(21) EP11771304.0
(47) 07.08.2019
(87) US2011053609
05.04.2012
(22) 28.09.2011
(54) BONDING PATTERN FOR DISPOSABLE ABSORBENT ARTICLES
(73) The Procter & Gamble Company
(72) RAWAT, Digvijay
GLASSMEYER, Ronda, Lynn
STONE, Keith, Joseph
CECCHETTO, Pietro
(31) 388733 P
(32) 01.10.2010
(33) United States of America

(51) A61F 13/514
(11) EP3034055
(21) EP14197944.3
(47) 07.08.2019
(22) 15.12.2014
(54) Absorbent articles with thinner backsheet
(73) The Procter & Gamble Company
(72) Toro, Carlo
Roell, Stefan
Tao, Jay
Ooten, David Mark

(51) A61F 13/532
A61F 13/537
(11) EP3238679
(21) EP16167640.8
(47) 07.08.2019
(22) 29.04.2016
(54) ABSORBENT ARTICLE WITH A DISTRIBUTION LAYER COMPRISING CHANNELS
(73) The Procter & Gamble Company
(72) Bianchi, Ernesto Gabriel
Endres, Joerg
Fedotov, Alexander
Garcia, Julien René
Minoguchi, Ryo

(51) A61F 13/532
A61F 13/537
A61F 13/551
(11) EP3315106
(21) EP16196510.8
(47) 07.08.2019
(22) 31.10.2016
(54) ABSORBENT ARTICLE WITH AN INTERMEDIATE LAYER COMPRISING CHANNELS AND BACK POCKET
(73) The Procter & Gamble Company
(72) Garcia, Julien René
Bianchi, Ernesto Gabriel
Endres, Joerg
Martynus, Cornelia Beate
Stelzig, Lutz

(51) A61F 13/534
A61F 13/536
A61F 13/53
A61F 13/533
(11) EP2717821
(21) EP12727752.3
(47) 07.08.2019
(87) US2012041495
13.12.2012
(22) 08.06.2012
(54) DISPOSABLE DIAPERS
(73) The Procter & Gamble Company
(72) KREUZER, Carsten, Heinrich
ROSATI, Rodrigo
ARIZTI, Blanca
JACKELS, Hans Adolf
BIANCHI, Ernesto, G.
ROE, Donald, Carroll
(31) 201161495406 P
(32) 10.06.2011
(33) United States of America

(51) A61F 13/537
A61F 13/42
A61F 13/00
(11) EP3082700
(21) EP14830622.8
(47) 07.08.2019
(87) IB2014066789
25.06.2015
(22) 11.12.2014
(54) ARTICLE TO BE APPLIED AGAINST THE SKIN, MUCOUS MEMBRANES OR A WOUND
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
Urgo Recherche Innovation et Développement
(72) REVOL-CAVALIER, Frédéric
MESSAOUD, Mouna
STEINBRUNN, Julien
(31) 1363022
(32) 19.12.2013
(33) France

(51) A61G 7/10
(11) EP3046528
(21) EP14771246.7
(47) 07.08.2019
(87) EP2014069597
19.03.2015
(22) 15.09.2014
(54) AID TO HELP PERSONS RISE FROM A SEATED POSITION TO A STANDING POSITION
(73) FRAUNHOFER-GESELLSCHAFT zur Förderung der angewandten Forschung e.V.
(72) BAUER, Wilhelm
SCHMIDT, Michael
(31) 102013015608
(32) 16.09.2013
(33) Germany

(51) A61G 7/10
(11) EP3351231
(21) EP18151898.6
(47) 07.08.2019
(22) 16.01.2018
(54) SLIDING SHEET
(73) Sanicare AB
(72) BRUHN, Elisabeth
ULFSTRÖM, Cenneth
(31) 1750037
(32) 18.01.2017
(33) Sweden

(51) A61H 7/00
A61N 5/00
A61H 15/02
A61H 15/00
(11) EP3352722
(21) EP16781508.3
(47) 07.08.2019
(87) FR2016052368
30.03.2017
(22) 19.09.2016
(54) TREATMENT DEVICE WITH LIGHT GUIDE
(73) SEB S.A.
(72) SABATTIER, Johan
MANDICA, Franck
(31) 1558888
(32) 21.09.2015
(33) France

(51) A61H 7/00

A61N 5/06
(11) EP2821048
(21) EP14173969.8
(47) 07.08.2019
(22) 25.06.2014
(54) Care apparatus with easy head mounting
(73) SEB S.A.
(72) Giraud, Camille
Mandica, Franck
(31) 1356566
(32) 04.07.2013
(33) France

(51) A61H 15/00
A61M 37/00
(11) EP2774594
(21) EP14001930.8
(47) 07.08.2019
(22) 08.12.2011
(54) Apparatus for transdermal delivery of bioactive solution
(73) King Saud University
(72) Almohizea, Saad Ibrahim

(51) A61J 1/06
A61J 1/14
B65D 51/00
B29C 43/18
B29L 31/00
B29L 31/56
B65D 39/00
B23K 26/00
B23K 26/402
(11) EP3243625
(21) EP17168140.6
(47) 07.08.2019
(22) 26.04.2017
(54) MEDICAL RUBBER STOPPER AND METHOD FOR PRODUCING MEDICAL RUBBER STOPPER
(73) Sumitomo Rubber Industries, Ltd.
(72) MASUYAMA, Yoshikazu
NAKANO, Hiroaki
(31) 2016095486
(32) 11.05.2016
(33) Japan

(51) A61J 1/20
A61M 5/34
A61M 5/32
(11) EP3310320
(21) EP16729618.5
(47) 07.08.2019
(87) GB2016051674
29.12.2016
(22) 07.06.2016
(54) A MODULE FOR A SHARPS RETRACTION DEVICE
(73) C-Major Ltd.
(72) BROWN, Philip
PEARSON, Allen
COLLINS, James
(31) 201510943
(32) 22.06.2015
(33) United Kingdom

(51) A61J 1/22
A61M 5/32
A61M 39/10
A61M 39/00
A61M 5/162
A61J 1/14
A61J 1/20
A61M 39/22
A61M 39/02
A61J 1/10
(11) EP2664550
(21) EP13179757.3
(47) 07.08.2019
(22) 29.10.2004
(54) Safety Drug Handling Device
(73) Teva Medical Ltd.
(72) Kraus, Menachem
Shemesh, Eli
(31) 516613 P
(32) 30.10.2003
(33) United States of America

(51) A61J 7/00
(11) EP2741725
(21) EP12821743.7
(47) 07.08.2019
(87) US2012049984
14.02.2013
(22) 08.08.2012
(54) PROPHYLACTIC KIT APPARATUS
(73) Medline Industries, Inc.
(72) DANCHISIN, Jennifer E.
GREGORY, SR., Tom
HENRIKSON, Steve
ADLER, Deborah
(31) 201113206289
(32) 09.08.2011
(33) United States of America

(51) A61K 6/083
B28B 1/00
B29C 67/00
(11) EP3158988
(21) EP16195156.1
(47) 07.08.2019
(22) 21.10.2016
(54) SOLID FREEFORM FABRICATION MATERIAL SET, METHOD OF FABRICATING A SOLID FREEFORM OBJECT, METHOD OF FABRICATING DENTAL PROSTHESIS, AND DEVICE FOR FABRICATING A SOLID FREEFORM OBJECT
(73) Ricoh Company, Ltd.
(72) WATANABE, Masaki
NIIMI, Tatsuya
KUSAHARA, Teruki
SAKURAI, Yoichi
TANAKA, Kohichiroh
(31) 2015209338
2016182144
(32) 23.10.2015
16.09.2016
(33) Japan
Japan

(51) A61K 8/04
A61K 8/81
A61Q 5/06
A61Q 13/00
(11) EP2747740
(21) EP12769413.1
(47) 07.08.2019
(87) EP2012069506
11.04.2013
(22) 03.10.2012
(54) METHOD OF CONTROLLING FRAGRANCE RELEASE ON HAIR
(73) Akzo Nobel Chemicals International B.V.
(72) MARTINO, Gary Theodore
(31) 201161542459 P
11193161
(32) 03.10.2011
13.12.2011
(33) United States of America
European Patent Office (EPO)

(51) A61K 8/06
A61K 8/20
A61K 8/73
A61Q 19/06
(11) EP2313057
(21) EP09769330.3
(47) 07.08.2019
(87) EP2009057995
30.12.2009
(22) 25.06.2009
(54) COSMETIC COMPOSITION, USE AND METHOD OF PREPARATION
(73) Biofarma S.p.A.
(72) SCARPA, Germano
(31) UD20080153
(32) 26.06.2008
(33) Italy

(51) A61K 8/11
A61K 8/19
B01J 13/02
A61K 33/24
A61K 9/16
A61K 8/24
A61K 8/25
A61Q 17/00
A61K 8/22
C11D 17/00
D06L 4/10
D06L 4/13
A61K 9/00
(11) EP2911644
(21) EP13789376.4
(47) 07.08.2019
(87) GB2013052800
01.05.2014
(22) 25.10.2013
(54) MULTI-COMPONENT ENCAPSULATED REACTIVE FORMULATIONS
(73) Deb IP Limited
(72) HINES, John David
BINKS, Bernard Paul
GRASCHA, Pierre Bruno
(31) 201261719158 P
(32) 26.10.2012
(33) United States of America

(51) A61K 8/33
A61K 8/34
A61K 8/37
A61Q 17/00
A61Q 19/00
A61Q 13/00
(11) EP3023090
(21) EP14194402.5
(47) 07.08.2019
(22) 21.11.2014
(54) Compositions
(73) Symrise AG
(72) Pesaro, Manuel

Join, Benoit
Machinek, Arnold

(51) A61K 8/34
A61K 8/36
A61K 8/362
A61K 8/72
A61Q 11/00
C08G 63/668
(11) EP3128998
(21) EP15777568.5
(47) 07.08.2019
(87) US2015024681
15.10.2015
(22) 07.04.2015
(54) ORAL CARE COMPOSITIONS
(73) BASF SE
(72) DEISENROTH, Ted
CUNKLE, Glen, Thomas
JUNKER, Lauren
KUEPFERT, Michael
ODORISIO, Paul
SAUNDERS, Steven, N.
RAMNARINE, Vishal
ABRAHAM, Neethu
(31) 201461977713 P
201461977721 P
(32) 10.04.2014
10.04.2014
(33) United States of America
United States of America

(51) A61K 8/34
A61K 8/37
A61Q 13/00
C11B 9/00
(11) EP2771071
(21) EP12778330.6
(47) 07.08.2019
(87) EP2012070990
02.05.2013
(22) 23.10.2012
(54) PERFUMING COMPOSITIONS AND USES THEREOF
(73) Firmenich SA
(72) WONG, Kenneth
DAUGERON JOUAULT, Aude
BONNUS, Sophie
MOUNIER, Rémy
FURRER, Anton
BERTHIER, Damien
(31) 11186885
11188093
(32) 27.10.2011
07.11.2011
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A61K 8/365
A61Q 5/04
A61K 8/362
(11) EP2713998
(21) EP12725400.1
(47) 07.08.2019
(87) EP2012060352
06.12.2012
(22) 01.06.2012
(54) PROCESS FOR TREATING STRAIGHTENED KERATIN FIBRES
(73) L'OREAL
(72) CABOURG, Julien
PLOS, Grégory
FEUILLETTE, Laëtitia
(31) 1154804
201161528642 P
(32) 01.06.2011
29.08.2011
(33) France
United States of America

(51) A61K 8/368
A61K 8/37
A61Q 19/00
A61Q 19/08
A61P 17/00
(11) EP2801347
(21) EP13167254.5
(47) 07.08.2019
(22) 10.05.2013
(54) Carboxylated stilbenes for activating AMPK and sirtuins
(73) Rahn Ag
(72) Bitzer, Jens
Küper, Thomas
Wabnitz, Philipp

(51) A61K 8/39
A61Q 17/04
A61K 8/37
A61K 8/06
(11) EP2775997
(21) EP12727303.5
(47) 07.08.2019
(87) EP2012002370
13.12.2012
(22) 05.06.2012
(54) COSMETIC AND DERMATOLOGICAL PHOTOPROTECTIVE PREPARATION WITH IMPROVED WATER RESISTANCE
(73) Beiersdorf AG
(72) VON THADEN, Stefanie
KÖHLER, Manuela
(31) 102011077037
(32) 07.06.2011
(33) Germany

(51) A61K 8/42
A61Q 11/00
(11) EP3364940
(21) EP16788913.8
(47) 07.08.2019
(87) US2016058018
27.04.2017
(22) 21.10.2016
(54) METHOD OF CHROMATOGRAPHIC SEPARATION
(73) The Procter & Gamble Company
(72) HOKE, Steven, Hamilton
LEI, Qingxin
MOTLAGH, Safa
HAUGHT, John, Christian
REILLY, Michael
SREEKRISHNA, Koti, Tatachar
LIN, Yakang
(31) 201562245189 P
(32) 22.10.2015
(33) United States of America

(51) A61K 8/49
A61Q 5/06
C09B 23/00
C07D 209/14
C09B 26/04
(11) EP3011951
(21) EP14812987.7
(47) 07.08.2019
(87) JP2014065379
24.12.2014
(22) 10.06.2014
(54) YELLOW COLORANT FOR HAIR DYEING, COMPOSITION FOR HAIR DYEING, AND HAIR DYEING METHOD
(73) Hodogaya Chemical Co., Ltd.
(72) AKIBA Mitsuhiro
SUZUKI Kenichiro
GONDA Michihiro
ISOBE Masatoshi
(31) 2013126630
(32) 17.06.2013
(33) Japan

(51) A61K 8/60
A61K 8/97
A61K 8/99
A61Q 19/02
A61Q 19/04
G01N 33/50
G01N 33/68
A61K 36/80
A61K 36/899
A61Q 5/00
A61Q 5/08
A61Q 5/10
A61K 36/11
A61K 36/48
A61K 36/60
(11) EP2334282
(21) EP09782834.7
(47) 07.08.2019
(87) EP2009061712
18.03.2010
(22) 09.09.2009
(54) METHODS USEFUL IN STUDYING OR MODULATING SKIN OR HAIR PIGMENTATION, PLANT EXTRACTS FOR USE IN COMPOSITIONS AND COSMETIC CARE METHOD
(73) LvmH Recherche
(72) KURFURST, Robin
NIZARD,Carine
SCHNEBERT, Sylvianne
PERRIER, Eric
TOBIN, Desmond, J.
SINGH, Suman, K
(31) 0816507
09290446
(32) 10.09.2008
12.06.2009
(33) United Kingdom
European Patent Office (EPO)

(51) A61K 8/64
A61K 8/14
A61K 8/11
A61Q 19/08
A61Q 19/00
A61Q 5/02
A61Q 19/10
(11) EP3157504
(21) EP15810115.4
(47) 07.08.2019
(87) US2015036049
23.12.2015

(22) 16.06.2015
(54) STEM CELL STIMULATING COMPOSITIONS
(73) Medicell Technologies, LLC
(72) TUROVETS, Nikolay
ADAMS, William B.
(31) 201462014044 P
(32) 18.06.2014
(33) United States of America

(51) A61K 8/64
A61K 38/18
A61Q 19/04
A61P 17/00
(11) EP2773318
(21) EP12813535.7
(47) 07.08.2019
(87) IT2012000336
10.05.2013
(22) 02.11.2012
(54) TOPICAL PREPARATION CONTAINING NGF FOR INDUCING SKIN PIGMENTATION AND FOR THE TREATMENT OF CUTANEOUS DYSCHROMIAS AND VITILIGO
(73) Biomed Venture S.R.L. Societa Unipersonale
(72) LIOTTA, Silvana
(31) RM20110574
(32) 02.11.2011
(33) Italy

(51) A61K 9/00
A61K 9/08
A61K 47/10
A61K 47/12
A61K 47/18
A61K 31/315
A61K 33/30
A61K 38/28
(11) EP2167032
(21) EP08774077.5
(47) 07.08.2019
(87) EP2008057413
18.12.2008
(22) 12.06.2008
(54) PHARMACEUTICAL FORMULATION COMPRISING AN INSULIN DERIVATIVE
(73) Novo Nordisk A/S
(72) POULSEN, Christian
HUUS, Kasper
HUBALEK, Frantisek
STEENSGAARD, Dorte Bjerre
HAVELUND, Svend
(31) 07110176
(32) 13.06.2007
(33) European Patent Office (EPO)

(51) A61K 9/00
A61K 9/08
A61K 47/36
A61K 47/38
(11) EP3193832
(21) EP16745816.5
(47) 07.08.2019
(87) IB2016053518
22.12.2016
(22) 15.06.2016
(54) VISCOELASTIC PREPARATION FOR USE IN SURGICAL METHODS OF OPHTHALMIC SURGERY
(73) AL.CHI.MI.A. S.r.l.
(72) BECCARO, Mauro
BETTINI, Enrico
SIGNORI, Paolo
(31) UB20151442
(32) 17.06.2015
(33) Italy

(51) A61K 9/00
A61K 9/10
A61K 9/19
A61K 47/34
A61K 31/43
A61K 9/51
A61K 45/06
A61K 31/545
A61K 31/431
(11) EP2578209
(21) EP11788996.4
(47) 07.08.2019
(87) BR2011000168
08.12.2011
(22) 01.06.2011
(54) NANOPARTICULATE COMPOSITION CONTAINING ANTIBIOTICS FOR INTRAMAMMARY ADMINISTRATION IN ANIMALS
(73) Universidade Federal De Ouro Preto
Empresa Brasileira De Pesquisa Agropecuária - Embrapa
Fundação De Amparo À Pesquisa Do Estado De Minas Gerais - FAPEMIG
(72) MOSQUEIRA, Vanessa Carla Furtado
ARAÚJO, Raquel Silva
BRANDÃO, Humberto de Mello
(31) PI1002601
(32) 01.06.2010
(33) Brazil

(51) A61K 9/00
A61K 9/19
A61K 49/22
A61K 31/02
A61K 47/69
A61K 47/24
A61K 47/36
A61K 47/42
A61P 35/00
(11) EP3308779
(21) EP16807137.1
(47) 07.08.2019
(87) JP2016002810
15.12.2016
(22) 10.06.2016
(54) THERANOSTIC BUBBLE PREPARATION (TB), AND METHOD FOR USING SAME
(73) Teikyo University
(72) MARUYAMA, Kazuo
SUZUKI, Ryo
UNGA, Johan Mikael
OMATA, Daiki
ODA, Yusuke
(31) 2015117793
(32) 10.06.2015
(33) Japan

(51) A61K 9/00
A61K 45/06
A61K 31/167
A61K 9/20
A61K 31/137
(11) EP2004146
(21) EP07732255.0
(47) 07.08.2019
(87) GB2007001202
11.10.2007
(22) 02.04.2007
(54) A TABLET OF PARACETAMOL CONTAINING AN ENCAPSULATED FLAVORANT
(73) Reckitt Benckiser Healthcare (UK) Limited
(72) FIELD, Paul, Frederick
(31) 0606848
(32) 05.04.2006
(33) United Kingdom

(51) A61K 9/00
A61L 27/54
A61L 31/16
C08F 2/48
C08F 220/28
A61L 12/00
G02B 1/04
(11) EP3195858
(21) EP17159664.6
(47) 07.08.2019
(22) 02.04.2011
(54) MEDICAL DEVICES INCLUDING MEDICAMENTS AND METHODS OF MAKING AND USING SAME
(73) Doshi, Praful
(72) Doshi, Praful
(31) 341824 P
(32) 03.04.2010
(33) United States of America

(51) A61K 9/00
B29C 67/00
(11) EP3247327
(21) EP16701276.4
(47) 07.08.2019
(87) EP2016051135
28.07.2016
(22) 20.01.2016
(54) DRUG DELIVERY SYSTEM COMPRISING A NON-STEROIDAL ANTI-INFLAMMATORY (NSAID) AND A PROGESTOGENIC COMPOUND AND METHODS FOR MANUFACTURING
(73) Bayer Oy
(72) JUKARAINEN, Harri
PIHLAJA, Jyrki
HOLMBERG,Svante
VALO, Tuula
HONKA, Anu-Liisa
HOLLAENDER, Jenny
(31) 201562106073 P
(32) 21.01.2015
(33) United States of America

(51) A61K 9/06
A61K 47/10
A61K 47/32
A61K 31/5575
A61P 27/02
(11) EP3103439
(21) EP15171233.8
(47) 07.08.2019
(22) 09.06.2015
(54) DRIPPABLE OPHTHALMIC BIMATOPROST GEL
(73) MEDproject Pharma-Entwicklungs- und Vertriebsgesellschaft mbH

(72) Polzer, Heinz
Elena, Pierre-Paul
Senge, Jürgen
(51) A61K 9/107
A61K 9/19
A61K 9/51
(11) EP3291795
(21) EP16721502.9
(47) 07.08.2019
(87) IB2016052544
10.11.2016
(22) 04.05.2016
(54) METHOD FOR ENCAPSULATING PHARMACEUTICAL ACTIVES
(73) CSIR
(72) ADELEKE, Oluwatoyin Ayotomilola
(31) 201503116
(32) 07.05.2015
(33) South Africa

(51) A61K 9/127
C12N 15/88
(11) EP2512449
(21) EP10838298.7
(47) 07.08.2019
(87) US2010061058
23.06.2011
(22) 17.12.2010
(54) METHODS AND COMPOSITIONS FOR DELIVERY OF NUCLEIC ACIDS
(73) The University of British Columbia
Arbutus Biopharma Corporation
(72) HOPE, Michael, J.
MADDEN, Thomas, D.
CULLIS, Pieter
MAIER, Martin, A.
JAYARAMAN, Muthusamy
RAJEEV, Kallanthottathil, G.
AKINC, Akin
MANOHARAN, Muthiah
HAFEZ, Ismail Mahmoud
(31) 287995 P
(32) 18.12.2009
(33) United States of America

(51) A61K 9/16
A61K 9/50
A61K 31/138
(11) EP2120881
(21) EP08725289.6
(47) 07.08.2019
(87) US2008001639
28.08.2008
(22) 06.02.2008
(54) METHOD OF DETERMINING THE WEIGHT OF THE COATING TO BE APPLIED TO FORM A CONTROLLED RELEASE DOSAGE FORM
(73) GLATT AIR TECHNIQUES, INC.
(72) RUBINO, Orpapin, P.
JONES, David
FEMIA, Robert, A.
MUELLER, Oliver, W.
RANGUNATHAN, Narayan
POLLINGER, Norbert
PRASCH, Armin
ETTNER, Anne
(31) 903224 P
(32) 23.02.2007
(33) United States of America

(51) A61K 9/16
A61K 31/366
(11) EP2040680
(21) EP07786932.9
(47) 07.08.2019
(87) EP2007056563
17.01.2008
(22) 29.06.2007
(54) IMPROVEMENTS RELATING TO PHARMACEUTICAL COMPOSITIONS
(73) The University of Liverpool
(72) DUNCALF, David, John
FOSTER, Alison, Jayne
LONG, James
RANNARD, Steven, Paul
WANG, Dong
(31) 0613925
(32) 13.07.2006
(33) United Kingdom

(51) A61K 9/16
A61K 35/00
(11) EP2440186
(21) EP10724973.2
(47) 07.08.2019
(87) US2010038287
16.12.2010
(22) 11.06.2010
(54) DIKETOPIPERAZINE MICROPARTICLES WITH DEFINED ISOMER CONTENTS
(73) MannKind Corporation
(72) KRAFT, Kelly, S.
SOMERVILLE, Karla
(31) 186779 P
(32) 12.06.2009
(33) United States of America

(51) A61K 9/22
A61K 9/24
A61K 31/4035
(11) EP2651400
(21) EP11831805.4
(47) 07.08.2019
(87) US2011065151
21.06.2012
(22) 15.12.2011
(54) CONTROLLED RELEASE ORAL DOSAGE FORMS OF POORLY SOLUBLE DRUGS AND USES THEREOF
(73) Celgene Corporation
(72) CHEN, Ming, J.
HUI, Ho-Wah
SHEN, Xiaole
(31) 424003 P
(32) 16.12.2010
(33) United States of America

(51) A61K 9/22
A61K 31/135
A61K 9/28
A61K 47/26
A61K 47/36
A61K 47/38
A61P 29/00
(11) EP2002828
(21) EP07740657.7
(47) 07.08.2019
(87) JP2007057221
11.10.2007
(22) 30.03.2007
(54) SOLID PHARMACEUTICAL PREPARATION
(73) NIPPON ZOKI PHARMACEUTICAL CO. LTD.
(72) ISHITSUBO, Naoki
(31) 2006093207
(32) 30.03.2006
(33) Japan

(51) A61K 9/24
A61K 9/28
A61K 31/675
A61K 31/7068
A61P 35/00
(11) EP3052130
(21) EP14850037.4
(47) 07.08.2019
(87) IN2014000625
02.04.2015
(22) 29.09.2014
(54) PHARMACEUTICAL COMPOSITION COMPRISING CAPECITABINE AND CYCLOPHOSPHAMIDE
(73) Intas Pharmaceuticals Limited
(72) PATEL, Priyank
PATEL, Mayur
PATEL, Mahendra
SINGH, Balvir
SEHGAL Ashish
(31) 3118MU2013
(32) 30.09.2013
(33) India

(51) A61K 9/48
(11) EP3010493
(21) EP14734063.2
(47) 07.08.2019
(87) EP2014063033
24.12.2014
(22) 20.06.2014
(54) GASTRO-RESISTANT SOFT SHELL CAPSULE AND PROCESS FOR ITS MANUFACTURE
(73) Swiss Caps Rechte und Lizenzen AG
(72) SYDOW, Georg
SENNHAUSER, Markus
SCHLUETERMANN, Burkhard
PRASCH, Armin
NEHRING, Rainer
(31) 13173250
(32) 21.06.2013
(33) European Patent Office (EPO)

(51) A61K 9/48
A61K 31/4045
A61K 47/38
A61K 9/00
(11) EP3354283
(21) EP18160014.9
(47) 07.08.2019
(22) 05.03.2018
(54) PHARMACEUTICAL CAPSULE COMPOSITION COMPRISING SILODOSIN
(73) Alfred E. Tiefenbacher (GmbH & Co. KG)
(72) KALAMATA, Venkatasimhadri Naidu
BODDU, Rajkumar
RALLABANDI, Bala Ramesha Chary
STAVER, Ruslan
SCHLEHAHN, Hendrik
(31) 201711021629

17184249
(32) 20.06.2017
01.08.2017
(33) India
European Patent Office (EPO)

(51) A61K 9/51
A61K 31/436
A61L 29/08
A61L 29/16
A61L 31/10
A61L 31/16
B82Y 5/00
(11) EP1390014
(21) EP02731657.9
(47) 07.08.2019
(87) US2002014118
07.11.2002
(22) 02.05.2002
(54) COMPOSITION FOR USE IN A METHOD FOR TREATING HYPERPLASIA
(73) Abraxis BioScience, LLC
(72) DESAI, Neil, P.
SOON-SHIONG, Patrick
(31) 847945
(32) 02.05.2001
(33) United States of America

(51) A61K 9/70
A61K 31/445
A61K 9/00
(11) EP2995301
(21) EP14794522.4
(47) 07.08.2019
(87) KR2014004218
13.11.2014
(22) 12.05.2014
(54) FILM PREPARATION CONTAINING DONEPEZIL-FREE BASE AND METHOD FOR PRODUCING SAME
(73) CTC Bio, Inc.
(72) JEON, Hong-Ryeol
KWON, Do-Woo
LEE, Bong-Sang
PARK, Su-Jun
CHA, Bong-Geun
KIM, Jun-Ki
HAN, Ji-Yeong
KIL, Myeong-Cheol
(31) 20130053355
(32) 10.05.2013
(33) Korea (Republic)

(51) A61K 9/72
(11) EP2403490
(21) EP10706467.7
(47) 07.08.2019
(87) US2010026271
10.09.2010
(22) 04.03.2010
(54) AN IMPROVED DRY POWDER DRUG DELIVERY SYSTEM
(73) MannKind Corporation
(72) SMUTNEY, Chad, C.
ADAMO, Benoit
POLIDORO, John, M.
KINSEY, P., Spencer
OVERFIELD, Dennis
SAHI, Carl, R.
BILLINGS, Christine
MARINO, Mark, T.
(31) 222810 P
258184 P
484137
157506 P
PCT/US2009/004728
(32) 02.07.2009
04.11.2009
12.06.2009
04.03.2009
12.06.2009
(33) United States of America
United States of America
United States of America
United States of America
World Intellectual Property Office (WIPO)

(51) A61K 9/72
A61K 9/14
(11) EP2266549
(21) EP10185471.9
(47) 07.08.2019
(22) 27.06.2001
(54) METHOD OF MAKING PARTICLES FOR USE IN A PHARMACEUTICAL COMPOSITION
(73) Vectura Limited
(72) STANIFORTH, John Nicholas
MORTON, David Alexander Vodden
MUSA, Rosella
(31) 0029263
00113608
PCT/GB01/01732
(32) 30.11.2000
27.06.2000
17.04.2001
(33) United Kingdom
European Patent Office (EPO)
World Intellectual Property Office (WIPO)

(51) A61K 31/015
A61K 31/045
A61P 17/06
(11) EP3384905
(21) EP18165746.1
(47) 07.08.2019
(22) 04.04.2018
(54) COMPOSITION FOR PREVENTING OR AMELIORATING HYPERSENSITIVE SKIN COMPRISING CEDROL OR DERIVATIVES THEREOF, OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF
(73) University Of Seoul Industry Cooperation Foundation
(72) KIM, Ha Won
LEE, Dong Hee
(31) 20170044176
20170076435
(32) 05.04.2017
16.06.2017
(33) Korea (Republic)
Korea (Republic)

(51) A61K 31/05
A61K 31/192
A61P 1/08
A61K 36/185
(11) EP2275097
(21) EP10180470.6
(47) 07.08.2019
(22) 03.02.2003
(54) COMPOSITIONS COMPRISING CANNABINOIDS FOR TREATMENT OF NAUSEA, VOMITING, EMESIS, MOTION SICKNESS OR LIKE CONDITIONS
(73) GW Pharma Limited
(72) Whittle, Brian
Javid, Farideh Afshin
(31) 0202385
0206183
(32) 01.02.2002
15.03.2002
(33) United Kingdom
United Kingdom

(51) A61K 31/26
A61K 47/69
(11) EP3354267
(21) EP18162130.1
(47) 07.08.2019
(22) 23.01.2008
(54) STABILIZED SULFORAPHANE
(73) PharmAgra Labs, Inc.
(72) DAGAN, Ido, Dov
FRISBEE, Albert, Roger
NEWSOME, Peter, Wyatt
BAUDET, Michel, Pierre
(31) 881875 P
(32) 23.01.2007
(33) United States of America

(51) A61K 31/33
A61K 31/555
A61K 38/19
A61P 43/00
A61K 31/496
A61K 31/55
A61K 31/551
A61K 31/395
A61K 31/4427
A61K 35/28
A61K 35/12
C12N 5/0789
(11) EP2371361
(21) EP10184509.7
(47) 07.08.2019
(22) 30.07.2002
(54) METHODS TO MOBILIZE PROGENITOR/STEM CELLS
(73) Genzyme Corporation
(72) Bridger, Gary J.
Abrams, Michael J.
Henson, Geoffrey W
MacFarland, Ronald Trevor
Calandra, Gary B
Dale, C David
Broxmeyer, Hal E.
(31) 309196 P
382155 P
(32) 31.07.2001
20.05.2002
(33) United States of America
United States of America

(51) A61K 31/34
A61P 17/02
(11) EP2070531
(21) EP07425779.1
(47) 07.08.2019
(22) 10.12.2007

(54) Pharmaceutical preparation containing histamine H2-receptor antagonists having wound healing activity at low doses
(73) ITALFAR S.r.l.
(72) Russo, Domenico

(51) A61K 31/35
A61K 31/7032
A61K 35/74
A23L 2/52
(11) EP2163162
(21) EP09176668.3
(47) 07.08.2019
(22) 02.04.2004
(54) Compositions comprising Lactobacillus plantarum strains in combination with tannin and new Lactobacillus plantarum strains
(73) PROBI AB
(72) Molin, Göran
Ahrné, Siv
Jeppsson, Bengt
(31) 463058 P
0300994
(32) 16.04.2003
04.04.2003
(33) United States of America
Sweden

(51) A61K 31/352
A61P 1/16
A61P 13/12
A61P 17/00
A61P 11/00
A61P 21/00
A61P 29/00
(11) EP2717692
(21) EP12796691.9
(47) 07.08.2019
(87) US2012040380
13.12.2012
(22) 01.06.2012
(54) TETRAHYDROCANNABINOL-11-OIC ACIDS FOR USE IN TREATING FIBROTIC DISEASES
(73) Corbus Pharmaceuticals, Inc.
(72) ZURIER, Robert, B.
SELVI, Enrico
(31) 201161493435 P
201213485044
(32) 04.06.2011
31.05.2012
(33) United States of America
United States of America

(51) A61K 31/397
A61K 31/423
A61P 3/06
A61P 3/10
A61P 43/00
(11) EP2902025
(21) EP13842381.9
(47) 07.08.2019
(87) JP2013005756
03.04.2014
(22) 27.09.2013
(54) THERAPEUTIC AGENT FOR DYSLIPIDEMIA
(73) Kowa Company Ltd.
(72) TAKIZAWA, Toshiaki
YOSHINAKA, Yasunobu
(31) 2012214635
(32) 27.09.2012
(33) Japan

(51) A61K 31/40
A61K 31/56
A61K 31/7028
A61K 31/70
(11) EP2954897
(21) EP13862129.7
(47) 07.08.2019
(87) KR2013009357
19.06.2014
(22) 18.10.2013
(54) SKIN-MOISTURISING OR WRINKLE-IMPROVING EXTERNAL COMPOSITION AND COSMETIC COMPOSITION
(73) Korea Institute of Oriental Medicine
(72) CHAE, Sung Uk
LEE, Mi Young
(31) 20120145799
(32) 13.12.2012
(33) Korea (Republic)

(51) A61K 31/407
A61K 31/21
A61K 9/00
A61K 47/26
A61K 9/08
(11) EP2616064
(21) EP11835216.0
(47) 07.08.2019
(87) US2011057284
26.04.2012
(22) 21.10.2011
(54) READY TO USE KETOROLAC FORMULATIONS
(73) Rtu Pharmaceuticals LLC
(72) PERGOLIZZI, Joseph
MIRONOV, Alexander
PICKENS, Chad, James
JOHNSON, Douglas, Giles
(31) 201161481602 P
405384 P
(32) 02.05.2011
21.10.2010
(33) United States of America
United States of America

(51) A61K 31/42
A61P 25/00
C07D 261/08
C07D 413/04
C07D 413/14
C07D 453/04
C07D 491/044
(11) EP3311813
(21) EP17204892.8
(47) 07.08.2019
(22) 26.08.2008
(54) THERAPEUTIC ISOXAZOLE COMPOUNDS
(73) Dart Neuroscience (Cayman) Ltd
(72) KAPLAN, Alan P.
KEENAN, Terence P.
MCRINER, Andrew J.
(31) 968205 P
(32) 27.08.2007
(33) United States of America

(51) A61K 31/426
A61K 31/427
A61K 31/4439
A61K 31/506
A61K 31/519
A61K 31/5377
A61K 31/635
A61K 45/06
A61P 17/02
A61K 31/197
A61K 31/53
(11) EP3291811
(21) EP16719430.7
(47) 07.08.2019
(87) EP2016059734
10.11.2016
(22) 02.05.2016
(54) THE USE OF SGC STIMULATORS, SGC ACTIVATORS, ALONE AND COMBINATIONS WITH PDE5 INHIBITORS FOR THE TREATMENT OF DIGITAL ULCERS (DU) CONCOMITANT TO SYSTEMIC SCLEROSIS (SSC)
(73) Bayer Pharma Aktiengesellschaft
(72) HIRTH-DIETRICH, Claudia
SANDNER, Peter
STASCH, Johannes-Peter
HAHN, Michael
FOLLMANN, Markus
VAKALOPOULOS, Alexandros
(31) 15166516
(32) 06.05.2015
(33) European Patent Office (EPO)

(51) A61K 31/4375
A61P 7/02
A61P 7/04
(11) EP3247354
(21) EP16740526.5
(47) 07.08.2019
(87) US2016013507
28.07.2016
(22) 15.01.2016
(54) FACTOR XIA INHIBITORS
(73) Merck Sharp & Dohme Corp.
(72) MERTZ, Eric
LIU, Weiguo
EDMONDSON, Scott, D.
ALI, Amjad
GAO, Ying-Duo
NEELAMKAVIL, Santhosh, F.
SO, Sung-Sau
MONINGKA, Remond
SUN, Wanying
HRUZA, Alan
BROCKUNIER, Linda, L.
(31) 201562105385 P
(32) 20.01.2015
(33) United States of America

(51) A61K 31/44
A61K 31/506
C07D 239/24
C07F 9/535
A61K 31/34
A61K 31/505
C07F 9/54
C07F 9/655
C07F 9/6558
C07D 405/06
C07D 409/06
C07D 409/14
C07D 471/04

C07D 487/04
C07D 491/052
C07D 493/04
C07D 495/04
C07D 498/04
C07D 513/04
(11) EP3164130
(21) EP15815330.4
(47) 07.08.2019
(87) US2015038712
07.01.2016
(22) 30.06.2015
(54) HETEROARYL COMPOUNDS USEFUL AS INHIBITORS OF SUMO ACTIVATING ENZYME
(73) Millennium Pharmaceuticals, Inc.
(72) DUFFEY, Matthew O.
ENGLAND, Dylan
FREEZE, Scott
HU, Zhigen
LANGSTON, Steven P.
MCINTYRE, Charles
MIZUTANI, Hirotake
ONO, Koji
XU, He
(31) 201462019756 P
201562185678 P
(32) 01.07.2014
28.06.2015
(33) United States of America
United States of America

(51) A61K 31/4433
A61K 31/366
C07D 493/04
A61P 1/16
A61P 3/04
A61P 3/06
A61P 9/10
A61P 9/12
A61P 43/00
(11) EP3162805
(21) EP15812239.0
(47) 07.08.2019
(87) JP2015067636
30.12.2015
(22) 18.06.2015
(54) NOVEL PHARMACEUTICAL COMPOUND HAVING A CHOLESTEROL ACYLTRANSFERASE ISOZYME 2 (ACAT2) -INHIBITING ACTIVITY
(73) School Juridical Person Kitasato Institute
(72) TOMODA, Hiroshi
OHTAWA, Masaki
OMURA, Satoshi
NAGAMITSU, Tohru
(31) 2014129126
(32) 24.06.2014
(33) Japan

(51) A61K 31/495
A61P 17/04
(11) EP2906219
(21) EP13774189.8
(47) 07.08.2019
(87) EP2013071093
17.04.2014
(22) 09.10.2013
(54) ORVEPITANT FOR THE TREATMENT OF CHRONIC PRURITUS
(73) NeRRe Therapeutics Limited
(72) EMILIANGELO, Ratti
MICHAEL, Trower
(31) 201261712499 P
(32) 11.10.2012
(33) United States of America

(51) A61K 31/4965
A61K 31/497
A61P 7/06
(11) EP2704720
(21) EP12721111.8
(47) 07.08.2019
(87) US2012036413
08.11.2012
(22) 03.05.2012
(54) PYRUVATE KINASE R ACTIVATORS FOR USE IN THERAPY
(73) Agios Pharmaceuticals, Inc.
(72) SU, Shin-San, Michael
(31) 201161482166 P
(32) 03.05.2011
(33) United States of America

(51) A61K 31/4985
A61K 31/553
C07D 471/22
C07D 487/14
A61K 45/06
A61K 31/529
C07D 471/18
C07D 498/18
(11) EP3067358
(21) EP15201519.4
(47) 07.08.2019
(22) 19.12.2013
(54) POLYCYCLIC-CARBAMOYLPYRIDONE COMPOUNDS AND THEIR PHARMACEUTICAL USE
(73) Gilead Sciences, Inc.
(72) JIN, Haolun
LAZERWITH, Scott, E.
MARTIN, Teresa, Alejandra, Trejo
BACON, Elizabeth, M.
COTTELL, Jeromy, J.
CAI, Zhenhong, R.
PYUN, Hyung-Jung
MORGANELLI, Philip, Anthony
JI, Mingzhe
TAYLOR, James, G.
CHEN, Xiaowu
MISH, Michael, R.
DESAI, Manoj, C.
(31) 201261745375 P
201361788397 P
201361845803 P
(32) 21.12.2012
15.03.2013
12.07.2013
(33) United States of America
United States of America
United States of America

(51) A61K 31/4985
A61K 45/06
A61K 31/53
A61K 31/55
A61K 31/675
C07D 471/10
C07D 471/14
C07D 471/20
C07D 491/20
C07D 498/14
C07F 9/6521
C07D 471/04
C07D 495/20
(11) EP2931730
(21) EP13864799.5
(47) 07.08.2019
(87) US2013074590
26.06.2014
(22) 12.12.2013
(54) 4-PYRIDINONETRIAZINE DERIVATIVES AS HIV INTEGRASE INHIBITORS
(73) Merck Sharp & Dohme Corp.
(72) EMBREY, Mark, W.
GRAHAM, Thomas, H.
WALJI, Abbas
WADDELL, Sherman, T.
YU, Tao
ZHANG, Yonglian
LIU, Wensheng
COLEMAN, Paul, J.
WAI, John
STEELE, Thomas
DI MARCO, Christina
(31) 201261738112 P
(32) 17.12.2012
(33) United States of America

(51) A61K 31/515
A61P 1/16
(11) EP2596794
(21) EP10797363.8
(47) 07.08.2019
(87) RU2010000291
13.01.2011
(22) 04.06.2010
(54) METHOD FOR TREATING LIVER DISEASES OF VARIOUS ORIGINS
(73) Tets, Viktor Veniaminovich
TETS, Georgy Viktorovich
(72) Tets, Georgy Viktorovich
Tets, Viktor Veniaminovich
(31) 2009126442
(32) 07.07.2009
(33) Russian Federation

(51) A61K 31/575
A61P 21/00
A61P 19/02
A61P 11/06
(11) EP2805720
(21) EP14173342.8
(47) 07.08.2019
(22) 28.05.2009
(54) Non-hormonal steroid modulators of NF-KB for treatment of disease
(73) ReveraGen BioPharma, Inc.
(72) Mccall, John, M.
Hoffman, Eric
Kanneboyina, Nagaraju
(31) 56715 P
(32) 28.05.2008
(33) United States of America

(51) A61K 31/663
A61K 38/29
A61K 47/54
A61K 47/60
C07K 14/62
C07K 14/635

C07K 14/65
C08F 299/02
(11) EP2890708
(21) EP13832369.6
(47) 07.08.2019
(87) IB2013002349
06.03.2014
(22) 28.08.2013
(54) PARATHYROID HORMONE, INSULIN, AND RELATED PEPTIDES CONJUGATED TO BONE TARGETING MOIETIES AND METHODS OF MAKING AND USING THEREOF
(73) The Governors of the University of Alberta
Doschak, Michael
Yang, Yang
Bhandari, Krishna, Hari
(72) DOSCHAK, Michael
YANG, Yang
BHANDARI, Krishna, Hari
(31) 201261693818 P
(32) 28.08.2012
(33) United States of America

(51) A61K 31/7088
C12N 15/113
A61P 11/06
(11) EP3093022
(21) EP15001472.8
(47) 07.08.2019
(22) 15.05.2015
(54) GATA-3 INHIBITORS FOR USE IN THE TREATMENT OF TH2-DRIVEN ASTHMA
(73) Sterna Biologicals GmbH & Co. KG
(72) Bille, Joachim
Renz, Jonas

(51) A61K 35/36
C12M 3/06
(11) EP2957288
(21) EP15159890.1
(47) 07.08.2019
(22) 07.02.2002
(54) CELL SUSPENSION PREPARATION DEVICE
(73) Avita Medical Ltd
(72) Stoner, Marie
Wood, Fiona
(31) PR298901
281527 P
(32) 07.02.2001
04.04.2001
(33) Australia
United States of America

(51) A61K 35/76
A61K 38/16
A61K 35/768
A61P 37/00
A61K 39/12
(11) EP3008175
(21) EP14810447.4
(47) 07.08.2019
(87) US2014042444
18.12.2014
(22) 15.06.2014
(54) IMMUNOSUPPRESSIVE VIRAL LIKE PARTICLES BASED ON GAMMARETROVIRUS
(73) Tocagen Inc.
(72) GRUBER, Harry, E.
JOLLY, Douglas, J.
LIN, Amy, H.
(31) 201361835545 P
(32) 15.06.2013
(33) United States of America

(51) A61K 36/258
A61K 31/704
A61K 31/70
(11) EP2854828
(21) EP13794326.2
(47) 07.08.2019
(87) KR2013004562
28.11.2013
(22) 24.05.2013
(54) A METHOD OF PREPARING A PANAX SPP. PLANT EXTRACT WITH INCREASED CONTENT RATIO OF GINSENOSIDE RG3, RG5, AND RK1 PRODUCED BY MICROWAVE IRRADIATION
(73) Korea Institute of Science and Technology
(72) HAM, Jungyeob
KANG, Ki Sung
CHUNG, Bong Chul
KWON, Hak Cheol
PARK, Soon Hye
CHOI, Pil Ju
KIM, Su Nam
YANG, Hyun Ok
(31) 20120056238
20130007651
(32) 25.05.2012
23.01.2013
(33) Korea (Republic)
Korea (Republic)

(51) A61K 36/56
A61K 36/74
A61K 36/9066
A61K 36/45
A61K 36/78
A61P 27/02
(11) EP2023945
(21) EP07825803.5
(47) 07.08.2019
(87) IB2007052166
17.01.2008
(22) 07.06.2007
(54) COMPOSITION FOR IMPROVING EYE HEALTH
(73) IAMS Europe B.V.
(72) ZHANG, Jin
HAYEK, Michael Griffin
(31) 811855 P
(32) 08.06.2006
(33) United States of America

(51) A61K 38/00
A61Q 19/00
A61K 9/00
A61K 47/36
A61K 8/02
A61K 47/61
A61M 37/00
A61K 8/73
(11) EP3006047
(21) EP14807112.9
(47) 07.08.2019
(87) JP2014064836
11.12.2014
(22) 04.06.2014
(54) NEEDLE BODY
(73) Toppan Printing Co., Ltd.
(72) KATO, Hiroyuki
(31) 2013119915
(32) 06.06.2013
(33) Japan

(51) A61K 38/04
A61K 38/57
A61P 3/04
(11) EP3119414
(21) EP15731729.8
(47) 07.08.2019
(87) IL2015050283
24.09.2015
(22) 18.03.2015
(54) OSTREOLYSIN FOR USE IN THE TREATMENT OF OVERWEIGHT AND OBESITY
(73) Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.
(72) SCHWARTZ, Betty
YEHUDA-SHNAIDMAN, Einav
NIMRI, Lili
(31) 201461955338 P
201461955874 P
201462082308 P
(32) 19.03.2014
20.03.2014
20.11.2014
(33) United States of America
United States of America
United States of America

(51) A61K 38/10
A61P 25/00
(11) EP2732823
(21) EP14154831.3
(47) 07.08.2019
(22) 24.06.2009
(54) Modulation of the TrpV : Vps10p-domain receptor system for the treatment of pain
(73) H. Lundbeck A/S
(72) Nykjær, Anders
Bjerggaard Vægter, Christian
Bjerrum, Ole
Jansen, Pernille
(31) 200800880
75627 P
(32) 25.06.2008
25.06.2008
(33) Denmark
United States of America

(51) A61K 38/14
C07K 9/00
C07K 1/22
(11) EP3064214
(21) EP14857463.5
(47) 07.08.2019
(87) CN2014000950
07.05.2015
(22) 27.10.2014
(54) SEPARATION AND PURIFICATION METHOD FOR VANCOMYCIN HYDROCHLORIDE OF HIGH PURITY
(73) Zhejiang Medicine Co., Ltd. Xinchang Pharmaceutical Factory
(72) LI, Enmin
ZHUANG, Yiyun

WANG, Jue
SUN, Xinqiang
LAO, Xuejun
JIANG, Biwang
(31) 201310537310
(32) 01.11.2013
(33) China

(51) A61K 38/17
A61K 38/16
A61P 27/02
A61P 9/10
(11) EP2881120
(21) EP13828414.6
(47) 07.08.2019
(87) KR2013004648
13.02.2014
(22) 28.05.2013
(54) COMPOSITION CONTAINING C-PEPTIDE FOR PREVENTING OR TREATING DIABETIC RETINOPATHY
(73) Kangwon National University University-Industry Cooperation Foundation
Amolifescience Co., Ltd.
(72) HA, Kwon-Soo
LIM, Young-Cheol
(31) 201261680184 P
(32) 06.08.2012
(33) United States of America

(51) A61K 38/17
A61K 38/18
A61K 35/76
A61K 35/766
C07K 14/50
C12N 7/00
A61K 35/768
A61P 35/00
(11) EP3008176
(21) EP14811047.1
(47) 07.08.2019
(87) CA2014050564
18.12.2014
(22) 16.06.2014
(54) COMPOSITIONS AND METHODS FOR ENHANCING VIRUS REPLICATION
(73) Turnstone Limited Partnership
(72) ILKOW, Carolina Solange
LE BOEUF, Fabrice Robert
BELL, John Cameron
DIALLO, Jean-simon
ARULANANDAM, Rozanne
(31) 201361835446 P
(32) 14.06.2013
(33) United States of America

(51) A61K 38/18
A61P 25/00
(11) EP2801377
(21) EP14171183.8
(47) 07.08.2019
(22) 01.03.2012
(54) Hydrogel comprising cells for local release of growth factors to mediate motor recovery after stroke
(73) The Regents of the University of California
Biotime, Inc.
(72) Carmichael, Stanley T.
Clarkson, Andrew N.
West, Michael D.
(31) 201161449435 P
(32) 04.03.2011
(33) United States of America

(51) A61K 38/20
A61P 25/28
(11) EP3013355
(21) EP14733140.9
(47) 07.08.2019
(87) EP2014063080
31.12.2014
(22) 20.06.2014
(54) IL-2 FOR USE IN TREATING ALZHEIMER DISEASE AND RELATED DISORDERS
(73) ICM - Institut du Cerveau et da la Moelle Epinière
APHP (Assistance Publique - Hôpitaux de Paris)
INSERM - Institut National de la Santé et de la Recherche Médicale
Centre National de la Recherche Scientifique (C.N.R.S.)
SORBONNE UNIVERSITE
(72) DOROTHÉE, Guillaume
PIAGGIO, Eliane
AIT AHMED, Dylla
AUCOUTURIER, Pierre
(31) 13173617
201361838984 P
(32) 25.06.2013
25.06.2013
(33) European Patent Office (EPO)
United States of America

(51) A61K 38/24
A61P 15/08
(11) EP2292252
(21) EP10075419.1
(47) 07.08.2019
(22) 02.06.2004
(54) Unitary combination of FSH and hCG
(73) Ferring B.V.
(72) Filicori, Marco
(31) 452926
(32) 03.06.2003
(33) United States of America

(51) A61K 38/37
C07K 14/755
C07K 16/00
A61K 47/62
(11) EP2804623
(21) EP13735649.9
(47) 07.08.2019
(87) US2013021330
18.07.2013
(22) 12.01.2013
(54) CHIMERIC FACTOR VIII POLYPEPTIDES AND USES THEREOF
(73) Bioverativ Therapeutics Inc.
(72) CHHABRA, Ekta, Seth
LIU, Tongyao
PETERS, Robert
JIANG, Haiyan
(31) 201261586099 P
201261586654 P
201261667901 P
201261734954 P
(32) 12.01.2012
13.01.2012
03.07.2012
07.12.2012
(33) United States of America
United States of America
United States of America
United States of America

(51) A61K 39/00
A61K 39/02
(11) EP3153175
(21) EP15803250.8
(47) 07.08.2019
(87) JP2015065831
10.12.2015
(22) 02.06.2015
(54) ADJUVANT FOR MUCOSAL VACCINE
(73) Osaka University
(72) JONAI Nao
FUJINAGA Yukako
YUTANI Masahiro
SUGAWARA Yo
MATSUMURA Takuhiro
(31) 2014116241
(32) 04.06.2014
(33) Japan

(51) A61K 39/00
A61K 39/08
(11) EP2934579
(21) EP13817931.2
(47) 07.08.2019
(87) EP2013077762
26.06.2014
(22) 20.12.2013
(54) IMMUNOGENIC COMPOSITION COMPRISING ELEMENTS OF C. DIFFICILE CDTB AND/OR CDTA PROTEINS
(73) GlaxoSmithKline Biologicals S.A.
(72) CASTADO, Cindy
(31) 201223342
(32) 23.12.2012
(33) United Kingdom

(51) A61K 39/00
A61K 39/39
A61K 39/395
C07K 16/28
A61P 35/00
(11) EP3116535
(21) EP14716752.2
(47) 07.08.2019
(87) EP2014000659
17.09.2015
(22) 12.03.2014
(54) COMBINATION OF VACCINATION AND OX40 AGONISTS
(73) CureVac AG
(72) FOTIN-MLECZEK, Mariola
KALLEN, Karl-Josef
SCHMOLLINGER, Jan C.

(51) A61K 39/02
C07K 14/205
(11) EP2579901
(21) EP11793174.1
(47) 07.08.2019
(87) US2011039832
15.12.2011
(22) 09.06.2011
(54) VACCINE AND METHODS TO REDUCE CAMPYLOBACTER INFECTION

(73) The Board of Trustees of The University of Arkansas
(72) HARGIS, Billy
PUMFORD, Neil, R.
KWON, Young, Min
LAYTON, Sherryll
(31) 353039 P
(32) 09.06.2010
(33) United States of America

(51) A61K 39/09
A61K 39/40
A61P 31/04
C07K 14/315
(11) EP2050464
(21) EP09001206.3
(47) 07.08.2019
(22) 21.12.1999
(54) Streptococcus pneumoniae proteins and immunogenic fragments for vaccines
(73) MEDIMMUNE, INC.
(72) Johnson, Leslie S.
Koenig, Scott
Adamou, John E.
(31) 113048 P
(32) 21.12.1998
(33) United States of America

(51) A61K 39/104
(11) EP2928493
(21) EP13860021.8
(47) 07.08.2019
(87) US2013072753
12.06.2014
(22) 03.12.2013
(54) FUSION PROTEINS FOR USE AS IMMUNOGENIC ENHANCERS FOR INDUCING ANTIGEN-SPECIFIC T CELL RESPONSES
(73) TheVax Genetics Vaccine Co., Ltd.
(72) WU, Chia-Mao
CHANG, Hsiu-Kang
(31) 201261733879 P
(32) 05.12.2012
(33) United States of America

(51) A61K 39/12
(11) EP2950817
(21) EP14745410.2
(47) 07.08.2019
(87) US2014014284
07.08.2014
(22) 31.01.2014
(54) IMMUNOGENIC COMPOSITIONS COMPRISING SILICIFIED VIRUS AND METHODS OF USE
(73) Portland State University
Providence Health & Services - Oregon
(72) STEDMAN, Kenneth, M.
LAIDLER, James, R.
BAHJAT, Keith
(31) 201361759131 P
(32) 31.01.2013
(33) United States of America

(51) A61K 39/12
C12N 7/00
C12N 7/04
(11) EP2884998
(21) EP13829120.8
(47) 07.08.2019
(87) US2013054760
20.02.2014
(22) 13.08.2013
(54) ATTENUATED LIVE VACCINE FOR CRIMEAN-CONGO HEMORRHAGIC FEVER VIRUS AND ERVE VIRUS
(73) Colorado Seminary which owns and operates The University of Denver
The United States of America, as represented by The Secretary, Department of Health and Human Services
(72) BERGERON, Eric
PEGAN, Scott Dusan
NICHOL, Stuart T.
DEATON, Michelle Kay
(31) 201261683132 P
201313829105
(32) 14.08.2012
14.03.2013
(33) United States of America
United States of America

(51) A61K 39/215
(11) EP2854847
(21) EP13729146.4
(47) 07.08.2019
(87) US2013042590
05.12.2013
(22) 24.05.2013
(54) VACCINATION WITH CANINE RESPIRATORY CORONAVIRUS FOR PROTECTION AGAINST B. BRONCHISEPTICA INFECTIONS
(73) Zoetis Services LLC
(72) SHIELDS, Shelly Lynn
ABDELMAGID, Omar Yousif
(31) 201261653558 P
(32) 31.05.2012
(33) United States of America

(51) A61K 39/245
C07K 14/045
C12N 7/02
(11) EP2869843
(21) EP13736518.5
(47) 07.08.2019
(87) EP2013063750
09.01.2014
(22) 29.06.2013
(54) COMPLEXES OF CYTOMEGALOVIRUS PROTEINS
(73) GlaxoSmithKline Biologicals SA
(72) CARFI, Andrea
WEN, Yingxia
(31) 201261668975 P
201361770257 P
(32) 06.07.2012
27.02.2013
(33) United States of America
United States of America

(51) A61K 39/275
A61K 9/08
(11) EP3226894
(21) EP15804407.3
(47) 07.08.2019
(87) EP2015078239
09.06.2016
(22) 01.12.2015
(54) STABLE LIQUID VACCINIA VIRUS FORMULATIONS
(73) Transgene SA
(72) CHASLE, Mélina
(31) 14306930
(32) 01.12.2014
(33) European Patent Office (EPO)

(51) A61K 39/39
(11) EP3151856
(21) EP15722448.6
(47) 07.08.2019
(87) EP2015000974
10.12.2015
(22) 12.05.2015
(54) ANTIGEN-LOADED CHITOSAN NANOPARTICLES FOR IMMUNOTHERAPY
(73) Merck Patent GmbH
(72) HANEFELD, Andrea
WEIGANDT, Markus
WOLF, Michael
KNOLLE, Percy
SCHROEDER, Matthias
SCHERLIESS, Regina
WALDEN, Peter
DIEDRICH, Andrea
STECKEL, Hartwig
BALEEIRO, Renato Brito
(31) 14001974
(32) 06.06.2014
(33) European Patent Office (EPO)

(51) A61K 39/395
A61K 38/17
A61P 31/04
A61P 31/00
C07K 14/31
C07K 16/12
(11) EP2841101
(21) EP13781905.8
(47) 07.08.2019
(87) US2013031927
31.10.2013
(22) 15.03.2013
(54) COMPOSITIONS AND METHODS RELATED TO ANTIBODIES THAT NEUTRALIZE COAGULASE ACTIVITY DURING STAPHYLOCOCCUS AUREUS DISEASE
(73) University Of Chicago
(72) McADOW, Molly
EMOLO, Carla
MISSIAKAS, Dominique, M.
SCHNEEWIND, Olaf
(31) 201261638797 P
(32) 26.04.2012
(33) United States of America

(51) A61K 39/395
C07K 16/28
A61P 17/06
(11) EP3295957
(21) EP17195530.5
(47) 07.08.2019
(22) 12.01.2011
(54) ANTI IL-17RA ANTIBODY FORMULATION AND THERAPEUTIC REGIMENS FOR TREATING PSORIASIS
(73) Kirin-Amgen, Inc.
(72) LIU, Dingjiang
HUANG, Holly Zhuohong
MARTIN, David Andrew
RUSSELL, Christopher Boyd

SALINGER, David H.
BAUMGARTNER, Scott Walter
ENDRES, Christopher J.
(31) 295387 P
422059 P
(32) 15.01.2010
10.12.2010
(33) United States of America
United States of America

(51) A61K 39/395
C07K 16/46
A61P 35/00
C07K 16/28
A61K 38/17
C07K 16/18
C07K 16/30
C07K 14/47
A61K 39/00
(11) EP2968547
(21) EP14765530.2
(47) 07.08.2019
(87) US2014029041
18.09.2014
(22) 14.03.2014
(54) MULTIMERIZATION TECHNOLOGIES
(73) Memorial Sloan Kettering Cancer Center
(72) AHMED, Mahiuddin
CHEUNG, Nai-Kong V.
(31) 201361791600 P
(32) 15.03.2013
(33) United States of America

(51) A61K 45/06
A61K 31/343
A61K 31/445
A61K 31/454
A61K 31/55
A61P 25/22
A61P 25/24
(11) EP2052251
(21) EP06817172.7
(47) 07.08.2019
(87) US2006040911
31.01.2008
(22) 18.10.2006
(54) COMBINATION 5-HT7 RECEPTOR ANTAGONIST AND SEROTONIN REUPTAKE INHIBITOR THERAPY
(73) Janssen Pharmaceutica NV
(72) BONAVENTURE, Pascal
DUGOVIC, Christine
DVORAK, Curt, A.
RUDOLPH, Dale, A.
SHELTON, Jonathan, Edward
SHIREMAN, Brock, T.
(31) 460294
(32) 27.07.2006
(33) United States of America

(51) A61K 45/06
C07K 14/00
A61K 38/26
C07K 14/605
(11) EP3368061
(21) EP16785669.9
(47) 07.08.2019
(87) US2016056969
04.05.2017
(22) 14.10.2016
(54) GLUCAGON RECEPTOR AGONISTS
(73) Elanco US Inc.
(72) COSKUN, Tamer
ALSINA-FERNANDEZ, Jorge
(31) 201562246199 P
(32) 26.10.2015
(33) United States of America

(51) A61K 47/42
A61K 9/48
A61K 31/232
A61K 47/10
A61P 9/00
(11) EP2172225
(21) EP08790686.3
(47) 07.08.2019
(87) JP2008061721
08.01.2009
(22) 27.06.2008
(54) SEAMLESS CAPSULE
(73) Takeda Pharmaceutical Company Limited
(72) YOSHINARI, Tomohiro
UCHIYAMA, Yoshihiro
(31) 2007173198
(32) 29.06.2007
(33) Japan

(51) A61K 48/00
C12N 15/113
A61K 31/7088
C12N 15/63
C12N 15/87
A61P 35/00
(11) EP2865393
(21) EP13807063.6
(47) 07.08.2019
(87) CN2013077705
27.12.2013
(22) 21.06.2013
(54) COMPOSITIONS COMPRISING MIR-143 AND/OR MIR-145 OR (AN) EXPRESSION VECTOR(S) THEREOF, FOR USE AS MEDICAMENTS
(73) Micromedmark Biotech Co., Ltd
(72) ZHANG, Chenyu
ZENG, Ke
(31) 201210212690
(32) 21.06.2012
(33) China

(51) A61K 49/06
A61K 49/18
A61B 5/055
C01B 23/00
(11) EP3251702
(21) EP17174204.2
(47) 07.08.2019
(22) 02.06.2017
(54) IN VIVO DETECTION OF A XENON-BINDING CAGE MOLECULE
(73) Lakehead University Economic Development and Innovation Office
(72) Albert, Mitchell
Hane, Francis
(31) 201662345098 P
(32) 03.06.2016
(33) United States of America

(51) A61L 2/07
C02F 5/10
(11) EP3241566
(21) EP17167869.1
(47) 07.08.2019
(22) 25.04.2017
(54) METHOD AND DEVICE FOR REMOVING INCRUSTATIONS FROM A COOLING CIRCUIT FOR A VACUUM PUMP FOR A STERILISER
(73) Miele & Cie. KG
(72) Karnouschek, Oliver
Gregor, Olaf
(31) 102016108268
(32) 04.05.2016
(33) Germany

(51) A61L 2/18
A61L 2/22
A61L 2/24
(11) EP3244933
(21) EP16703050.1
(47) 07.08.2019
(87) DK2016050012
21.07.2016
(22) 15.01.2016
(54) APPARATUS, METHOD AND SOFTWARE PRODUCT FOR HAND SANITISATION BY APPLICATION OF OZONATED WATER
(73) Scan Unic ApS
(72) ARLEMARK, Jan
ANDERSEN, Henrik Rasmus
JEGÅRD, Finn
FRANCKE, Kenneth
BORGSTRÖM, Jan
(31) 201500770
201570628
(32) 16.01.2015
07.10.2015
(33) United Kingdom
Denmark

(51) A61L 2/20
C12Q 1/68
(11) EP3142712
(21) EP15792856.5
(47) 07.08.2019
(87) US2015030422
19.11.2015
(22) 12.05.2015
(54) METHOD OF DELIVERING HYDROGEN PEROXIDE FOR DECONTAMINATING A MATERIAL
(73) Rasirc, Inc.
(72) ALVAREZ, Daniel, Jr.
SPIEGELMAN, Jeffrey, J.
HOLMES, Russell, J.
HEINLEIN, Edward
SHAMSI, Zohreh
RAMOS, Christopher
DEPTALA, Alexander
HOGAN, James
(31) 201461992806 P
201462027562 P
201462058987 P
(32) 13.05.2014
22.07.2014
02.10.2014
(33) United States of America
United States of America
United States of America

(51) A61L 11/00
A61L 2/08
(11) EP3053603

(21) EP16154866.4
(47) 07.08.2019
(22) 09.02.2016
(54) SYSTEM AND METHOD FOR DISINFECTING MEDICAL WASTE
(73) Viradys Medical Waste Solutions, LLC
(72) Waldenmaier, Eugene W.
Waldenmaier, H. Eugene W.
Green, Michael W.
(31) 201514617282
(32) 09.02.2015
(33) United States of America

(51) A61L 15/22
A61F 13/15
A61F 13/02
A61K 9/70
A61L 15/58
(11) EP2717931
(21) EP12796310.6
(47) 07.08.2019
(87) US2012040697
13.12.2012
(22) 04.06.2012
(54) DRESSINGS AND RELATED METHODS THEREFOR
(73) KPR U.S., LLC
(72) MOGHE, Ajit, K.
GAHAN, Richard, E.
PATEL, Harish, A.
(31) 201113153842
(32) 06.06.2011
(33) United States of America

(51) A61L 15/34
A61L 15/58
A61K 9/70
(11) EP3119444
(21) EP15712526.1
(47) 07.08.2019
(87) EP2015000579
24.09.2015
(22) 16.03.2015
(54) FINISHING PLASTER HAVING IMPROVED TOLERABILITY AND A LONG ADHESIVE PERIOD AND METHOD FOR PRODUCING THE SAME
(73) LTS Lohmann Therapie-Systeme AG
(72) RITZDORF, Gerhard
HILLE, Thomas
BOTZEM, Petra
WAUER, Gabriel
FUHRMANN, Marlene
(31) 14160657
(32) 19.03.2014
(33) European Patent Office (EPO)

(51) A61L 15/42
A61L 15/44
(11) EP2981302
(21) EP14728623.1
(47) 07.08.2019
(87) IB2014000735
20.11.2014
(22) 15.05.2014
(54) MICROBICIDAL COMPOSITE MATERIAL
(73) Carenow Medical Private Limited
(72) RODRIGUES, Michael
VIVEKANANDA, Siddamalai, Gounder Krishnaswamy
KUMAR, Sundaravadivelu, Vasanth
(31) 2188CH2013
(32) 17.05.2013
(33) India

(51) A61L 26/00
A61L 27/02
A61L 27/48
C01B 33/145
C01B 33/148
(11) EP2670706
(21) EP12703742.2
(47) 07.08.2019
(87) EP2012051603
09.08.2012
(22) 31.01.2012
(54) SILICIC ACID CONDENSATES HAVING A LOW CROSS-LINKAGE RATE
(73) Gerber, Thomas
(72) Gerber, Thomas
(31) 102011009839
102011009838
(32) 31.01.2011
31.01.2011
(33) Germany
Germany

(51) A61L 27/00
A61L 27/38
C12N 5/071
(11) EP2570139
(21) EP11780621.6
(47) 07.08.2019
(87) JP2011060778
17.11.2011
(22) 10.05.2011
(54) METHOD FOR PRODUCING CELL SHEET
(73) Yasukawa, Tsutomu
(72) TAKAHASHI, Masayo
YASUKAWA, Tsutomu
(31) 2010108674
(32) 10.05.2010
(33) Japan

(51) A61L 27/26
A61L 27/52
A61L 27/54
A61K 8/67
A61K 8/73
A61K 9/00
A61K 9/06
A61K 47/36
A61K 47/40
A61K 47/50
A61K 31/07
C08B 37/16
C08B 37/02
C08B 37/08
(11) EP3148600
(21) EP15726137.1
(47) 07.08.2019
(87) EP2015061999
03.12.2015
(22) 29.05.2015
(54) CYCLODEXTRIN-GRAFTED HYALURONIC ACID CROSSLINKED WITH DEXTRAN AND USES THEREOF
(73) Galderma S.A.
(72) BOITEAU, Jean-Guy
LÄRKNER, Helena
(31) 201462004293 P
14198951
(32) 29.05.2014
18.12.2014
(33) United States of America
European Patent Office (EPO)

(51) A61L 27/36
(11) EP2872191
(21) EP13742769.6
(47) 07.08.2019
(87) US2013048094
16.01.2014
(22) 27.06.2013
(54) METHODS FOR IMPROVED TREATMENT OF ADIPOSE TISSUE
(73) LifeCell Corporation
(72) BARERE, Aaron
CONNOR, Jerome
(31) 201261671443 P
(32) 13.07.2012
(33) United States of America

(51) A61L 27/36
(11) EP3287151
(21) EP17194586.8
(47) 07.08.2019
(22) 04.06.2009
(54) ELASTASE TREATMENT OF TISSUE MATRICES
(73) LifeCell Corporation
(72) Sun, Wendell
(31) 59604 P
(32) 06.06.2008
(33) United States of America

(51) A61L 27/40
A61L 27/14
A61L 27/20
A61L 27/22
A61L 27/24
A61L 27/54
A61L 27/56
A61L 27/60
A61L 31/12
A61L 31/14
A61L 31/16
A61L 27/44
(11) EP3015120
(21) EP14818651.3
(47) 07.08.2019
(87) CN2014080798
31.12.2014
(22) 26.06.2014
(54) TISSUE REPAIR SCAFFOLD AND PREPARATION METHOD AND PURPOSE THEREOF
(73) Medprin Regenerative Medical Technologies Co., Ltd.
(72) DENG, Kunxue
YANG, Yaya
YUAN, Yuyu
(31) 201310269863
201410238853
(32) 28.06.2013
30.05.2014
(33) China
China

(51) A61L 27/44
A61K 6/087
C08J 3/20

C08K 9/06
(11) EP2799496
(21) EP12856727.8
(47) 07.08.2019
(87) JP2012082001
20.06.2013
(22) 11.12.2012
(54) Dental material, bone substitute material and methods for their manufacturing
(73) Tokuyama Dental Corporation
(72) YAMAGAWA, Jun-ichiro
(31) 2011274731
2011274733
(32) 15.12.2011
15.12.2011
(33) Japan
Japan

(51) A61L 27/44
A61L 27/46
A61L 27/48
A61L 27/56
C08L 67/04
A61L 27/50
(11) EP2749301
(21) EP13199727.2
(47) 07.08.2019
(22) 27.12.2013
(54) Composites for osteosynthesis
(73) DePuy Synthes Products, Inc.
(72) Beck, Stefan
Niederberger, Lorenz
Stohler, Nico
(31) 201261746990 P
201313799537
(32) 28.12.2012
13.03.2013
(33) United States of America
United States of America

(51) A61L 29/00
A61F 2/91
A61F 2/915
A61F 2/958
A61L 31/16
(11) EP2676639
(21) EP11858611.4
(47) 07.08.2019
(87) JP2011080474
23.08.2012
(22) 28.12.2011
(54) STENT DELIVERY SYSTEM
(73) Terumo Kabushiki Kaisha
(72) SAWADA, Satoshi
NOZAWA, Naoto
ANZAI, Takao
(31) 2011030149
2011197417
(32) 15.02.2011
09.09.2011
(33) Japan
Japan

(51) A61L 31/02
A61L 31/14
A61L 31/16
(11) EP2272546
(21) EP10166496.9
(47) 07.08.2019
(22) 18.06.2010
(54) Implant and method for manufacturing the same
(73) BIOTRONIK AG
(72) Bayer, Ullrich
Harder, Claus
Burean. Elisabeta
(31) 223414 P
(32) 07.07.2009
(33) United States of America

(51) A61L 31/12
A61L 31/14
(11) EP2745857
(21) EP12824361.5
(47) 07.08.2019
(87) CN2012080228
21.02.2013
(22) 16.08.2012
(54) MULTILAYER DEGRADABLE STENT WITH SHAPE MEMORY PROPERTY AND PREPARATION METHOD THEREOF
(73) Shanghai MicroPort Medical (Group) Co., Ltd.
(72) CHEN, Baoai
MENG, Juan
SHI, Xiufeng
LUO, Qiyi
(31) 201110236013
(32) 17.08.2011
(33) China

(51) A61L 31/12
A61L 31/16
A61F 2/91
(11) EP2841119
(21) EP13708954.6
(47) 07.08.2019
(87) US2013026335
31.10.2013
(22) 15.02.2013
(54) APPARATUS AND METHODS FOR FILLING A DRUG ELUTING MEDICAL DEVICE VIA CAPILLARY ACTION
(73) Medtronic Vascular Inc.
(72) PETERSON, Justin
MITCHELL, James
SCHLICHTING, Abby
GLUCKLICH, Nate
BERGLUND, Joseph
GUO, Ya
(31) 201213457398
(32) 26.04.2012
(33) United States of America

(51) A61L 31/18
A61L 27/52
A61L 31/14
A61K 51/12
A61K 49/04
A61L 27/58
A61L 27/50
(11) EP2512540
(21) EP10842525.7
(47) 07.08.2019
(87) US2010060474
14.07.2011
(22) 15.12.2010
(54) IMPLANTS AND BIODEGRADABLE FIDUCIAL MARKERS
(73) Incept, LLC
(72) CAMPBELL, Patrick
SAWHNEY, Amarpreet S.
(31) 286450 P
(32) 15.12.2009
(33) United States of America

(51) A61M 1/00
A61M 27/00
(11) EP3295971
(21) EP17194474.7
(47) 07.08.2019
(22) 09.11.2011
(54) SYSTEMS FOR MANAGING REDUCED PRESSURE AT A PLURALITY OF WOUND SITES
(73) KCI Licensing, Inc.
(72) LOCKE, Christopher Brian
HALL, Colin
(31) 414718 P
(32) 17.11.2010
(33) United States of America

(51) A61M 1/02
B01D 39/16
(11) EP3311858
(21) EP16811771.1
(47) 07.08.2019
(87) JP2016068190
22.12.2016
(22) 17.06.2016
(54) BLOOD-PROCESSING FILTER AND BLOOD-PROCESSING METHOD
(73) Asahi Kasei Medical Co., Ltd.
(72) SHIMADA, Nobukazu
(31) 2015122447
2015122450
(32) 17.06.2015
17.06.2015
(33) Japan
Japan

(51) A61M 1/10
(11) EP3368098
(21) EP15794795.3
(47) 07.08.2019
(87) US2015059440
04.05.2017
(22) 06.11.2015
(54) INFLOW CANNULA AND BLOOD ASSIST SYSTEM
(73) CircuLite, Inc.
(72) FARNAN, Robert, C.
(31) 201514924842
(32) 28.10.2015
(33) United States of America

(51) A61M 1/10
A61M 1/12
(11) EP3352809
(21) EP16774824.3
(47) 07.08.2019
(87) US2016053395
30.03.2017
(22) 23.09.2016
(54) BLOOD PUMP FOR ISCHEMIA DETECTION AND TREATMENT
(73) Heartware, Inc.
(72) YOMTOV, Barry, M.
(31) 201562232601 P
(32) 25.09.2015
(33) United States of America

(51) A61M 1/14
A61M 1/34
(11) EP3162391
(21) EP15811627.7
(47) 07.08.2019
(87) JP2015068561
30.12.2015
(22) 26.06.2015
(54) DIALYSATE-DISPENSING DEVICE
(73) Nikkiso Co., Ltd.
(72) ISHIZAKI, Fumihiko
MATSUO, Sumiaki
IWAHORI, Tadashi
(31) 2014133034
(32) 27.06.2014
(33) Japan

(51) A61M 1/16
(11) EP2962711
(21) EP15172041.4
(47) 07.08.2019
(22) 15.06.2015
(54) DIALYSIS MACHINE
(73) B. Braun Avitum AG
(72) Ritter, Kai-Uwe
(31) 102014109369
(32) 04.07.2014
(33) Germany

(51) A61M 1/16
(11) EP3085398
(21) EP15164983.7
(47) 07.08.2019
(22) 24.04.2015
(54) METHOD FOR DISINFECTING A DIALYSATE SIDE OF A HAEMODIALYSIS UNIT
(73) D.Med Consulting GmbH
(72) Breuch, Gerd
Biermann, Frank
Breuch, Julius
Holzschuh, Robert

(51) A61M 1/16
(11) EP3069743
(21) EP16160153.9
(47) 07.08.2019
(22) 14.03.2016
(54) BLOOD PROCESSING DEVICE WITH SEPARATE DOOR COMPARTMENT
(73) B. Braun Avitum AG
(72) Iske, Andreas
Stenzel, Bruno
(31) 102015103937
(32) 17.03.2015
(33) Germany

(51) A61M 1/28
A61M 39/18
(11) EP2335753
(21) EP10192384.5
(47) 07.08.2019
(22) 23.01.2009
(54) Fluid line autoconnect apparatus for medical treatment system
(73) DEKA Products Limited Partnership
(72) Helmore, Simon C.
McGill, David W.
Hibbard, David J.
Dale, James D.
Finch, Matthew J.
Bodwell, Jesse T.
Demers, Jason A.
(31) 11967 P
58469 P
(32) 23.01.2008
03.06.2008
(33) United States of America
United States of America

(51) A61M 1/28
A61M 39/18
(11) EP2946799
(21) EP15159365.4
(47) 07.08.2019
(22) 23.01.2009
(54) MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES
(73) DEKA Products Limited Partnership
(72) Demers, Jason A.
McGill, David W.
Scarpaci, Jacob W.
Dale, James D.
Bodwell, Jesse T.
Wang, Tien-Shoe
(31) 11967 P
58469 P
(32) 23.01.2008
03.06.2008
(33) United States of America
United States of America

(51) A61M 5/00
(11) EP2485785
(21) EP10822399.1
(47) 07.08.2019
(87) US2010048082
14.04.2011
(22) 08.09.2010
(54) ENDOVASCULAR ANASTOMOTIC CONNECTOR
(73) CircuLite, Inc.
(72) FARNAN, Robert, C.
(31) 249704 P
(32) 08.10.2009
(33) United States of America

(51) A61M 5/00
A61M 5/142
A61M 5/145
(11) EP2528003
(21) EP12158977.4
(47) 07.08.2019
(22) 12.03.2012
(54) Architecture and method for controlling and programming an electromedical apparatus
(73) Cane' S.p.A.
(72) Cane', Mario
(31) TO20110223
(32) 11.03.2011
(33) Italy

(51) A61M 5/00
A61M 5/32
(11) EP3142725
(21) EP15721245.7
(47) 07.08.2019
(87) EP2015060239
19.11.2015
(22) 08.05.2015
(54) PEN-TYPE DRUG INJECTION DEVICE HAVING MULTIPLE-USE NEEDLE MODULE WITH NEEDLE CLEANING RESERVOIR
(73) Novo Nordisk A/S
(72) MELANDER, Matias
NIELSEN, Christian Højris
HARALDSTED, Mie
(31) 14168126
(32) 13.05.2014
(33) European Patent Office (EPO)

(51) A61M 5/155
A61M 5/20
A61M 5/142
A61M 3/02
A61M 5/145
F04B 9/12
(11) EP3294378
(21) EP16722614.1
(47) 07.08.2019
(87) EP2016060146
17.11.2016
(22) 06.05.2016
(54) PRESSURE CONTAINER FOR DRIVING A MEDICAL DEVICE
(73) Sanofi-Aventis Deutschland GmbH
(72) NESSEL, Christian
DEXHEIMER, Christian
UTH, Tobias
HAMMEN, Florian
(31) 15166871
(32) 08.05.2015
(33) European Patent Office (EPO)

(51) A61M 5/158
(11) EP2907534
(21) EP15153543.2
(47) 07.08.2019
(22) 03.02.2015
(54) Infusion needle with curved section
(73) Cane' S.p.A.
(72) Cane', Mario
(31) TO20140086
(32) 04.02.2014
(33) Italy

(51) A61M 5/162
A61M 5/24
A61M 5/32
(11) EP3237043
(21) EP15810679.9
(47) 07.08.2019
(87) EP2015080216
30.06.2016
(22) 17.12.2015
(54) AN INJECTION DEVICE WITH A REMOVABLE CAP
(73) Novo Nordisk A/S
(72) RØRVIG, Simon
JAKOBSEN, Nikolaj Eusebius
HANSEN, Steffen
(31) 14199611
15169864
(32) 22.12.2014
29.05.2015
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A61M 5/178
A61M 5/28
A61M 5/142
A61B 17/03
A61B 17/00

(11) EP2555813
(21) EP11766590.1
(47) 07.08.2019
(87) US2011031235
13.10.2011
(22) 05.04.2011
(54) APPARATUS FOR WOUND SEALANT APPLICATION
(73) Neomend, Inc.
(72) CASSINGHAM, Charles Vaughn
MEZGER, William Jerome
(31) 320877 P
(32) 05.04.2010
(33) United States of America

(51) A61M 5/178
B65B 3/00
B65B 7/28
(11) EP3347073
(21) EP15767040.7
(47) 07.08.2019
(87) US2015049588
16.03.2017
(22) 11.09.2015
(54) MEDICAL ADMINISTRATION BARREL WITH GROOVES AND METHOD OF SEALING SAME
(73) West Pharmaceutical Services, Inc.
(72) JANSEN, Hubert

(51) A61M 5/20
A61M 5/24
A61J 1/20
A61M 5/148
(11) EP2723426
(21) EP12802143.3
(47) 07.08.2019
(87) US2012043643
27.12.2012
(22) 21.06.2012
(54) AUTOMATIC MIXING DEVICE AND DELIVERY SYSTEM
(73) Buchine, Brent
Stepanian, Christopher
Navarro, Ralph
Standley, Adam Richard
(72) Buchine, Brent
Stepanian, Christopher
Navarro, Ralph
Standley, Adam Richard
(31) 201161499676 P
201261597161 P
(32) 21.06.2011
09.02.2012
(33) United States of America
United States of America

(51) A61M 5/24
A61M 5/315
(11) EP3122402
(21) EP15717057.2
(47) 07.08.2019
(87) IB2015051843
01.10.2015
(22) 13.03.2015
(54) FLUID DELIVERY PEN WITH FINAL DOSE STOP AND IMPROVED DOSE SETTING FEATURES
(73) Wockhardt Limited
(72) STEPHENSON, Matthew
KNIGHT, Barry
KNOWLES, Stephen
JOSHI, Umesh
TYAGI, Ashok
(31) 1008MM2014
(32) 25.03.2014
(33) India

(51) A61M 5/31
(11) EP2467180
(21) EP10747764.8
(47) 07.08.2019
(87) US2010046109
24.02.2011
(22) 20.08.2010
(54) SYRINGE FOR INJECTION BY PULLING PLUNGER ROD BACKWARDS
(73) Becton Dickinson France Sas
(72) FELSOVALYI, Flora
SCHILLER, Eric
QUINN, Michael
(31) 235805 P
(32) 21.08.2009
(33) United States of America

(51) A61M 5/315
(11) EP3256194
(21) EP16703557.5
(47) 07.08.2019
(87) EP2016052764
18.08.2016
(22) 10.02.2016
(54) DRIVE MECHANISM FOR AN INJECTION DEVICE
(73) Sanofi-Aventis Deutschland GmbH
(72) PLUMPTRE, David Aubrey
VEASEY, Robert
CROSS, John David
(31) 15154487
(32) 10.02.2015
(33) European Patent Office (EPO)

(51) A61M 5/315
A61M 5/178
A61M 5/32
(11) EP2397173
(21) EP11170077.9
(47) 07.08.2019
(22) 16.06.2011
(54) Adjustable dose setting plunger for syringe
(73) Becton, Dickinson and Company
(72) Chanoch, Lawrence H.
Wilson, John B.
(31) 344257 P
(32) 18.06.2010
(33) United States of America

(51) A61M 5/32
(11) EP3153195
(21) EP15803488.4
(47) 07.08.2019
(87) JP2015066209
10.12.2015
(22) 04.06.2015
(54) SYRINGE CAP, NEEDLE-MOUNTED SYRINGE, AND PREFILLED SYRINGE FORMULATION
(73) Taisei Kako Co., Ltd.
Chugai Seiyaku Kabushiki Kaisha
(72) SHIOZAKI, Rieko
YAMANAKA, Yuji
HORITA, Taiji
MATSUMOTO, Ippei
TANIGUCHI, Kensuke
(31) 2014115936
(32) 04.06.2014
(33) Japan

(51) A61M 11/00
A61B 5/087
A61M 15/00
(11) EP3313484
(21) EP16730424.5
(47) 07.08.2019
(87) EP2016064330
05.01.2017
(22) 22.06.2016
(54) CONTROL DEVICE FOR A MEDICAL AEROSOL DELIVERY DEVICE
(73) Koninklijke Philips N.V.
(72) MCLOUGHLIN, Neal
PRINCE, Ivan
RABBETTS, Ian Philip
(31) 15174219
(32) 29.06.2015
(33) European Patent Office (EPO)

(51) A61M 11/02
A61M 11/06
A61M 25/10
B05B 1/10
A61M 11/00
A61M 16/04
(11) EP2629820
(21) EP10858736.1
(47) 07.08.2019
(87) US2010002805
26.04.2012
(22) 20.10.2010
(54) MINIATURE FLUID ATOMIZER
(73) Teleflex Medical Incorporated
(72) CROLL, Perry, W.
DENTON, Marshall, T.
CHRISTENSEN, Mark, A.
TRAN, Huy, N.

(51) A61M 13/00
A61M 16/10
G05D 23/24
(11) EP3250275
(21) EP16709964.7
(47) 07.08.2019
(87) DE2016000027
04.08.2016
(22) 27.01.2016
(54) DEVICE FOR CONTROLLING THE TEMPERATURE OF THE GAS FLOW IN MEDICAL DEVICES
(73) W.O.M. World of Medicine GmbH
(72) MENZEL, Felix
ZEYSSIG, Andreas
KÖRNER, Johannes
(31) 102015000845
(32) 27.01.2015
(33) Germany

(51) A61M 15/00
(11) EP2433665
(21) EP11194615.8
(47) 07.08.2019
(22) 11.03.2009
(54) Inhaler and sieve for an inhaler
(73) Boehringer Ingelheim Pharma GmbH & Co. KG
(72) Haerder, Lukas

Breuer, Claus
(31) 102008014025
(32) 13.03.2008
(33) Germany

(51) A61M 16/00
A61M 16/04
(11) EP2887986
(21) EP13766233.4
(47) 07.08.2019
(87) EP2013067474
27.02.2014
(22) 22.08.2013
(54) BREATHING ASSISTANCE SYSTEM WITH SPEECH DETECTION
(73) ResMed Paris SAS
(72) FROMENTIN, Cyril
(31) 2012903613
(32) 22.08.2012
(33) Australia

(51) A61M 16/00
A61M 16/06
A61M 16/08
A61M 16/20
A47C 31/12
A61M 16/10
(11) EP2776102
(21) EP12848263.5
(47) 07.08.2019
(87) AU2012001369
16.05.2013
(22) 08.11.2012
(54) ELECTRICALLY STIMULATED RESPIRATORY ASSISTANCE COMPONENTS
(73) ResMed Pty Ltd
(72) STUEBIGER, Kai
FORMICA, Justin John
DAVIDSON, Aaron Samuel
RUMMERY, Gerard Michael
DENNIS, Clancy John
HOLLEY, Liam
(31) 201161557134 P
(32) 08.11.2011
(33) United States of America

(51) A61M 16/04
A61B 1/267
A61B 1/00
(11) EP3178511
(21) EP15829084.1
(47) 07.08.2019
(87) JP2015072556
11.02.2016
(22) 07.08.2015
(54) ENDOTRACHEAL TUBE INSERTION SUPPORT INSTRUMENT
(73) Senko Medical Instrument Mfg. Co., Ltd.
(72) UESUGI, Takanobu
CHIBA, Mitsuru
HONDA, Yasushi
SUZUKI, Jun
(31) 2014161671
(32) 07.08.2014
(33) Japan

(51) A61M 16/06
(11) EP3229882
(21) EP15825881.4
(47) 07.08.2019
(87) US2015064536
16.06.2016
(22) 08.12.2015
(54) A HYBRID POSITIVE AIRWAY INTERFACE SYSTEM FOR USE WITH VENTILATION AND POSITIVE AIR PRESSURE SYSTEMS
(73) Human Design Medical, LLC
(72) HARRISON, Donald
(31) 201462088825 P
(32) 08.12.2014
(33) United States of America

(51) A61M 16/06
A62B 18/00
A61J 15/00
A61M 25/02
(11) EP3067086
(21) EP16159236.5
(47) 07.08.2019
(22) 08.03.2016
(54) IMPROVED-SEAL MASK FOR THE RESPIRATORY THERAPY
(73) Dimar S.R.L.
(72) BORSARI, Maurizio
(31) MI20150349
(32) 09.03.2015
(33) Italy

(51) A61M 25/00
A61M 25/06
A61M 39/06
(11) EP2195063
(21) EP08832641.8
(47) 07.08.2019
(87) US2008010830
26.03.2009
(22) 17.09.2008
(54) TEARAWAY SHEATH ASSEMBLY WITH SPLIT HEMOSTASIS VALVE
(73) Medical Components, Inc.
(72) NARDEO, Mahase
MCCREIGHT, William, J.
MCGRADY, Nicholas, P.
(31) 994188 P
(32) 18.09.2007
(33) United States of America

(51) A61M 25/00
A61M 25/09
(11) EP2349430
(21) EP09760281.7
(47) 07.08.2019
(87) GB2009051453
06.05.2010
(22) 28.10.2009
(54) CATHETERISATION DEVICE and kit
(73) Urethro Tech Ltd.
(72) ANDRICH, Daniela
(31) 0820052
(32) 31.10.2008
(33) United Kingdom

(51) A61M 25/00
A61M 25/10
(11) EP2918304
(21) EP15154085.3
(47) 07.08.2019
(22) 06.02.2015
(54) Balloon catheter
(73) Asahi Intecc Co., Ltd.
(72) Kubo, Yuta
Ikegaya, Michihiro
Kaneko, Yoshiki
(31) 2014030221
(32) 20.02.2014
(33) Japan

(51) A61M 25/00
A61N 1/05
A61B 18/00
A61N 1/375
A61B 18/14
A61N 1/04
A61B 17/00
(11) EP3003453
(21) EP14807710.0
(47) 07.08.2019
(87) AU2014000591
11.12.2014
(22) 06.06.2014
(54) AN ELECTRICAL LEAD FOR A CATHETER AND METHOD OF MANUFACTURING
(73) Cathrx Ltd
(72) OGLE, David
GREIFENEDER, Roman
HEALD, Warrick
(31) 2013902061
(32) 07.06.2013
(33) Australia

(51) A61M 25/01
(11) EP3013403
(21) EP14790841.2
(47) 07.08.2019
(87) US2014058123
02.04.2015
(22) 29.09.2014
(54) CATHETER HAVING AN ACTIVE RETURN-TO-STRAIGHT MECHANISM
(73) St. Jude Medical, Cardiology Division, Inc.
(72) BANSAL, Varun
BOWERS, Michael
TEGG, Troy T.
KIM, David
(31) 201361884897 P
(32) 30.09.2013
(33) United States of America

(51) A61M 25/01
A61B 1/00
A61B 34/00
(11) EP3348301
(21) EP18275003.4
(47) 07.08.2019
(22) 12.01.2018
(54) HANDHELD MAGNETIC GUN FOR GUIDE WIRE OR OTHER MEDICAL DEVICE MANIPULATION
(73) Cook Medical Technologies LLC
(72) Kim, Woong
Kratzberg, Jarin
(31) 201715408046
(32) 17.01.2017
(33) United States of America

(51) A61M 25/04
(11) EP3157607
(21) EP15810418.2
(47) 07.08.2019
(87) IB2015001196
23.12.2015
(22) 14.06.2015
(54) CARDIAC TISSUE CINCHING

(73) 4Tech Inc.
(72) GILMORE, Michael
DENTI, Paolo
GUIDOTTI, Andrea
LATIB, Mohamed Azeem
LYNN, Kevin
MULLINS, John
MAISANO, Francesco
ZARBATANY, David
(31) 201462014397 P
201562131636 P
(32) 19.06.2014
11.03.2015
(33) United States of America
United States of America

(51) A61M 25/04
A61M 25/00
(11) EP2614851
(21) EP12151259.4
(47) 07.08.2019
(22) 16.01.2012
(54) Catheter
(73) Tchirikov, Michael
"National Laboratory Astana" Private Institution
(72) Tchirikov, Michael

(51) A61M 25/09
A61M 25/01
A61N 1/05
(11) EP2887992
(21) EP13712663.7
(47) 07.08.2019
(87) US2013032842
06.03.2014
(22) 18.03.2013
(54) COMPOUND-SHAPED STYLET FOR TORQUE TRANSMISSION
(73) Cardiac Pacemakers, Inc.
(72) FOSTER, Arthur, J.
(31) 201261693418 P
(32) 27.08.2012
(33) United States of America

(51) A61M 25/09
A61M 25/10
A61M 25/01
A61B 90/00
(11) EP2938384
(21) EP13840148.4
(47) 07.08.2019
(87) IB2013003069
03.07.2014
(22) 31.12.2013
(54) RADIOPAQUE BALLOON CATHETER AND GUIDEWIRE TO FACILITATE ALIGNMENT
(73) Clearstream Technologies Limited
(72) STAPLETON, Corey, E.
CADILLO, Anne, Hammond
(31) 201261747422 P
(32) 31.12.2012
(33) United States of America

(51) A61M 25/10
(11) EP2822634
(21) EP13716874.6
(47) 07.08.2019
(87) US2013029977
12.09.2013
(22) 08.03.2013
(54) MEDICAL BALLOON WITH COEXTRUDED RADIOPAQUE PORTION
(73) Clearstream Technologies Limited
(72) BYRNE, Pat
FILLMORE, Paul
HALL, Justin
UNDERWOOD, Margo, Shannon
(31) 2008450
201261608913 P
(32) 09.03.2012
09.03.2012
(33) Netherlands
United States of America

(51) A61M 25/14
A61M 25/00
(11) EP2854928
(21) EP13793874.2
(47) 07.08.2019
(87) US2013042717
28.11.2013
(22) 24.05.2013
(54) MULTI-LUMEN CATHETER WITH ENHANCED FLOW FEATURES
(73) C.R. Bard, Inc.
(72) GREGERSEN, Colin, S.
PATTERSON, Ryan, C,
BRITTINGHAM, Daniel, H.
(31) 201261651911 P
(32) 25.05.2012
(33) United States of America

(51) A61M 27/00
A61M 1/00
A61F 13/02
A61F 13/00
(11) EP2902068
(21) EP15152570.6
(47) 07.08.2019
(22) 28.10.2003
(54) Apparatus for aspirating, irrigating and cleansing wounds
(73) Smith & Nephew plc
(72) Hartwell, Edward Yerbury
Blott, Patrick Lewis
Greener, Bryan
Walker, Tina, Michelle
(31) 0224986
(32) 28.10.2002
(33) United Kingdom

(51) A61M 29/00
(11) EP2665509
(21) EP12736295.2
(47) 07.08.2019
(87) US2012021753
26.07.2012
(22) 18.01.2012
(54) INFLATABLE MEDICAL DEVICES
(73) Loma Vista Medical, Inc.
(72) TILSON, Alexander Q.
DREYER, Paul J.
BARHAM, Mitchell C.
SCHEEFF, Mark C.
LOVE, Charles S.
GOMES, Garrett J.
KURNIAWAN, Jonathan
(31) 201161433896 P
201161486720 P
(32) 18.01.2011
16.05.2011
(33) United States of America
United States of America

(51) A61M 31/00
A61M 25/00
A61B 18/14
A61B 5/042
(11) EP3082936
(21) EP14871405.8
(47) 07.08.2019
(87) CA2014051144
25.06.2015
(22) 28.11.2014
(54) MEDICAL SYSTEM FOR USE IN BODILY CAVITIES HAVING A MOVABLE ACTUATOR COVER
(73) Kardium Inc.
(72) POSTMA, Marius J.
MOISA, Saar
(31) 201361919388 P
(32) 20.12.2013
(33) United States of America

(51) A61M 37/00
A01K 11/00
(11) EP2954926
(21) EP15171689.1
(47) 07.08.2019
(22) 11.06.2015
(54) HANDHELD DEVICE FOR THE REPEATED PUNCTURING OF HUMAN OR ANIMAL SKIN
(73) MT.DERM GmbH
(72) SCHERKOWSKI, Dirk
(31) 14172103
(32) 12.06.2014
(33) European Patent Office (EPO)

(51) A61M 37/00
A61P 31/04
A61P 17/02
A61K 31/00
A61K 31/19
(11) EP2885046
(21) EP13829704.9
(47) 07.08.2019
(87) US2013054968
20.02.2014
(22) 14.08.2013
(54) WOUND CARE PRODUCTS WITH PERACID COMPOSITIONS
(73) CHD Bioscience, Inc.
(72) NEAS, Edwin D.
HANDLEY, Michael K.
MARCHITTO, Kevin S.
FLOCK, Stephen, T.
(31) 201261683054 P
201261693009 P
201261715725 P
(32) 14.08.2012
24.08.2012
18.10.2012
(33) United States of America
United States of America
United States of America

(51) A61M 37/00
B81B 1/00
B05D 1/00
B41J 2/04
B05B 12/12
B29C 31/04

B29C 39/24
B29L 31/00
B29C 65/00
(11) EP3235537
(21) EP15869935.5
(47) 07.08.2019
(87) JP2015084943
23.06.2016
(22) 14.12.2015
(54) MICRONEEDLE-ARRAY PRODUCTION DEVICE AND MICRONEEDLE-ARRAY PRODUCTION METHOD
(73) Nissha Co., Ltd.
BioSerenTach Co., Ltd.
(72) YAMADA, Shinya
CHIYAMA, Masateru
AKITA, Kensaku
UENO, Takako
IDE, Yuko
NAGAI, Sachi
AKAO, Osanobu
ONO, Ichiro
TAKADA, Kanji
(31) 2014252907
(32) 15.12.2014
(33) Japan

(51) A61M 39/16
A61M 5/20
A61M 5/32
(11) EP2023983
(21) EP07732990.2
(47) 07.08.2019
(87) GB2007001973
06.12.2007
(22) 29.05.2007
(54) INJECTION DEVICE WITH SYRINGE CARRIER ENGAGEMENT WITH CAP
(73) Cilag GmbH International
(72) JENNINGS, Douglas, Ivan
CORRIGAN, Joseph, Peter
BARROW-WILLIAMS, Timothy, Donald
BRADY, Matthew, James
(31) 0610854
(32) 01.06.2006
(33) United Kingdom

(51) A61N 1/05
(11) EP2903685
(21) EP13777382.6
(47) 07.08.2019
(87) US2013062560
10.04.2014
(22) 30.09.2013
(54) PINCH TO OPEN CUFF ELECTRODE
(73) Cardiac Pacemakers, Inc.
(72) TRUE, Kyle
SOLTIS, Brian
(31) 201261709146 P
(32) 02.10.2012
(33) United States of America

(51) A61N 1/05
A61N 1/36
(11) EP3226961
(21) EP15812899.1
(47) 07.08.2019
(87) US2015062953
09.06.2016
(22) 30.11.2015
(54) DEVICES FOR DELIVERING NON-INVASIVE NEUROMODULATION TO A PATIENT
(73) Neurohabilitation Corporation
(72) FISK, Justin
GORDON, Joseph, M.
GUARRAIA, Mark
MURATORI, Adam
WALLACE, Jeffrey, M.
PETRIE, Aidan
DAVID-HEGERICH, Faith
SIWINSKI, Shane
MORANG, Jeffrey, C.
TULLOCH, Jennifer
(31) 201414558787
201414559045
201414558789
(32) 03.12.2014
03.12.2014
03.12.2014
(33) United States of America
United States of America
United States of America

(51) A61N 1/05
A61N 1/36
A61M 25/00
(11) EP3049010
(21) EP14849229.1
(47) 07.08.2019
(87) US2014057217
02.04.2015
(22) 24.09.2014
(54) SECURED SPINAL CORD STIMULATOR LEADS
(73) Truminim LLC
(72) TAHA, Ashraf
KAKI, Abdullah
KOELSCH, John
(31) 201361881924 P
201462017156 P
(32) 24.09.2013
25.06.2014
(33) United States of America
United States of America

(51) A61N 1/20
A61B 18/12
A61N 1/05
A61B 18/14
(11) EP2854938
(21) EP13730135.4
(47) 07.08.2019
(87) EP2013060893
28.11.2013
(22) 27.05.2013
(54) DC OUTPUT APPARATUS WHICH CAN BE USED FOR THERAPEUTIC PURPOSES
(73) Molsberger, Albrecht
(72) Molsberger, Albrecht
(31) 102012010262
(32) 25.05.2012
(33) Germany

(51) A61N 1/30
A61N 1/32
A61N 1/04
(11) EP3370821
(21) EP16809132.0
(47) 07.08.2019
(87) FR2016052868
11.05.2017
(22) 04.11.2016
(54) DEVICE FOR APPLYING A PRODUCT TO BE DISTRIBUTED ON THE SKIN OF A USER BY IONTOPHORESIS
(73) SEB S.A.
(72) MANDICA, Franck
SABATTIER, Johan
(31) 1560679
(32) 06.11.2015
(33) France

(51) A61N 1/32
A61N 1/36
A61H 39/00
A61N 1/04
A61N 1/05
H04R 1/10
(11) EP3154626
(21) EP15806116.8
(47) 07.08.2019
(87) US2015035715
17.12.2015
(22) 13.06.2015
(54) TRANSCUTANEOUS ELECTROSTIMULATOR
(73) Neuvana, LLC
(72) CARTLEDGE, Richard
CARTLEDGE, Daniel
BRANNON, Ami
FALK, Kermit
MAYBACK, Gregory L.
(31) 201462011985 P
201562121759 P
201514738156
(32) 13.06.2014
27.02.2015
12.06.2015
(33) United States of America
United States of America
United States of America

(51) A61N 1/36
A61B 5/00
A61B 5/0488
A61N 1/04
(11) EP3106202
(21) EP15172777.3
(47) 07.08.2019
(22) 18.06.2015
(54) TRANSCRANIAL BURST ELECTROSTIMULATION APPARATUS
(73) Taipei Medical University
National Applied Research Laboratories
(72) PENG, Chih-Wei
CHEN, Shih-Ching
LI, Yu Ting
LEE, Hsiang Ching
CHEN, Jia-Jin J.
HSIEH, Tsung-Hsun
LAI, Chien-Hung
KANG, Jiunn-Horng

(51) A61N 1/36
A61B 5/04
A61N 1/05
(11) EP3096835
(21) EP15740415.3
(47) 07.08.2019
(87) CA2015050035

30.07.2015
(22) 20.01.2015
(54) SYSTEMS FOR OPTIMIZATION OF MULTI-ELECTRODE NERVE PACING
(73) Lungpacer Medical Inc.
(72) HOFFER, Joaquin Andres
SADARANGANI, Gautam
NOLETTE, Marc-andre
THAKKAR, Viral
TRAN, Bao Dung
(31) 201461929901 P
(32) 21.01.2014
(33) United States of America

(51) A61N 1/36
A61N 1/32
A61N 1/02
(11) EP3157621
(21) EP15734494.6
(47) 07.08.2019
(87) US2015036361
23.12.2015
(22) 18.06.2015
(54) MULTICHANNEL BIPHASIC SIGNAL GENERATOR CIRCUIT
(73) Vanderbilt University
(72) GOLDFARB, Michael
HA, Kevin
TRUEX, Don
(31) 201462013752 P
(32) 18.06.2014
(33) United States of America

(51) A61N 1/36
A61N 1/372
H04R 25/00
(11) EP3180076
(21) EP14755547.8
(47) 07.08.2019
(87) US2014051087
18.02.2016
(22) 14.08.2014
(54) SYSTEMS FOR GRADUALLY ADJUSTING A CONTROL PARAMETER ASSOCIATED WITH A COCHLEAR IMPLANT SYSTEM
(73) Advanced Bionics AG
(72) KULKARNI, Abhijit
LITVAK, Leonid M.

(51) A61N 1/365
A61N 1/375
A61N 1/362
(11) EP3359251
(21) EP16781988.7
(47) 07.08.2019
(87) US2016056055
13.04.2017
(22) 07.10.2016
(54) ADJUSTING PACING RATES IN AN IMPLANTABLE MEDICAL DEVICE
(73) Cardiac Pacemakers, Inc.
(72) HUELSKAMP, Paul
KANE, Michael J.
GIFFORD, Douglas J.
(31) 201562239025 P
(32) 08.10.2015
(33) United States of America

(51) A61N 1/368
A61N 1/37
A61B 5/0452
A61N 1/05
(11) EP3077045
(21) EP14821018.0
(47) 07.08.2019
(87) US2014068907
11.06.2015
(22) 05.12.2014
(54) IDENTIFICATION OF ABNORMAL CARDIAC SUBSTRATE DURING LEFT-VENTRICULAR PACING
(73) Medtronic Inc.
THE U.S. GOVERNMENT as represented by THE DEPARTMENT OF VETERANS AFFAIRS
(72) GRENZ, Nathan A.
ATWATER, Brett
BESHAI, John F.
(31) 201314098252
(32) 05.12.2013
(33) United States of America

(51) A61N 1/37
G01R 33/28
G01R 29/08
A61N 1/08
(11) EP3378531
(21) EP18169030.6
(47) 07.08.2019
(22) 06.03.2008
(54) MRI COMPATIBLE IMPLANTABLE MEDICAL DEVICES
(73) Cardiac Pacemakers, Inc.
(72) WEDAN, Steve R.
BOBGAN, Jean, M.
LLOYD, Thomas, W.
(31) 684419
(32) 09.03.2007
(33) United States of America

(51) A61N 1/378
A61N 1/05
A61N 1/36
A61N 1/372
H04R 25/00
(11) EP3122421
(21) EP14717970.9
(47) 07.08.2019
(87) US2014031529
01.10.2015
(22) 22.03.2014
(54) HEADPIECELESS HEARING ASSISTANCE SYSTEMS
(73) Advanced Bionics AG
(72) ROEHRLEIN, Gerhard
LAUNER, Stefan
HARTLEY, Lee, F.
MISHRA, Lakshmi
KULKARNI, Abhijit
DOWNING, Mark

(51) A61N 1/39
A61B 5/00
A61B 5/0464
A61N 1/362
(11) EP3277372
(21) EP16715709.8
(47) 07.08.2019
(87) US2016024463
06.10.2016
(22) 28.03.2016
(54) ATRIAL FIBRILLATION DETECTION
(73) Cardiac Pacemakers, Inc.
(72) PERSCHBACHER, David L.
MAHAJAN, Deepa
SIMMS JR., Howard D.
(31) 201562142184 P
(32) 02.04.2015
(33) United States of America

(51) A61N 1/39
A61B 5/04
A61B 5/0452
(11) EP3316961
(21) EP16736250.8
(47) 07.08.2019
(87) IB2016053926
05.01.2017
(22) 30.06.2016
(54) APPARATUS FOR REVERSING A SHOCK DECISION IN AN AUTOMATED EXTERNAL DEFIBRILLATOR
(73) Koninklijke Philips N.V.
(72) LIU, Chenguang
GEHMAN, Stacy Earl
(31) 201562186868 P
(32) 30.06.2015
(33) United States of America

(51) A61N 1/39
B65D 85/00
A61B 50/31
A61B 50/30
(11) EP2637595
(21) EP11811565.8
(47) 07.08.2019
(87) IB2011054972
18.05.2012
(22) 08.11.2011
(54) CARRYING CASE FOR DEFIBRILLATOR WITH IMPROVED LATCH
(73) Koninklijke Philips N.V.
(72) ROACH, Zebrick
POWERS, Daniel, J.
FISCHER, Kurt, Vincent
GRIESSER, Hans, Patrick
EERDEN, Jacco
RICHARD, Christian, James
(31) 412517 P
(32) 11.11.2010
(33) United States of America

(51) A61N 1/40
C08J 7/04
C09D 165/00
(11) EP3027276
(21) EP14777822.9
(47) 07.08.2019
(87) IB2014063616
05.02.2015
(22) 01.08.2014
(54) AN ORGANIC DEVICE FOR THE PHOTOINHIBITION OF EXCITABLE CELLS
(73) Fondazione Istituto Italiano di Tecnologia
Istituto Don Calabria - Ospedale Classificato Sacro Cuore
(72) GHEZZI, Diego
BENFENATI, Fabio
LANZANI, Guglielmo
ANTOGNAZZA, Maria Rosa
FREDDI, Giuliano
DONELLI, Ilaria

METE, Maurizio
PERTILE, Grazia
(31) TO20130665
(32) 02.08.2013
(33) Italy

(51) A61N 5/10
(11) EP2911745
(21) EP13789652.8
(47) 07.08.2019
(87) US2013066963
01.05.2014
(22) 25.10.2013
(54) ASSESSMENT AND IMPROVEMENT OF TREATMENT USING IMAGING OF PHYSIOLOGICAL RESPONSES TO RADIATION THERAPY
(73) ViewRay Technologies, Inc.
(72) DEMPSEY, James, F.
(31) 201261719337 P
(32) 26.10.2012
(33) United States of America

(51) A61N 5/10
G06T 7/00
G06T 3/00
A61B 6/00
(11) EP3209380
(21) EP15731076.4
(47) 07.08.2019
(87) EP2015064376
29.12.2016
(22) 25.06.2015
(54) UTILIZATION OF A TRANSPORTABLE CT-SCANNER FOR RADIOTHERAPY PROCEDURES
(73) Brainlab AG
(72) VILSMEIER, Stefan
BERLINGER, Kajetan

(51) A61P 9/10
A61K 31/203
A61K 38/48
(11) EP2445339
(21) EP10792444.1
(47) 07.08.2019
(87) US2010001794
29.12.2010
(22) 22.06.2010
(54) DIFFUSION ENHANCING COMPOUND AND ITS USE WITH A THROMBOLYTIC
(73) Diffusion Pharmaceuticals LLC
(72) GAINER, John, L.
(31) 213575 P
(32) 22.06.2009
(33) United States of America

(51) A61P 19/08
A61K 31/192
A61K 38/16
A61K 31/4245
A61K 31/433
A61K 31/4468
A61K 31/46
(11) EP3067093
(21) EP15382111.1
(47) 07.08.2019
(22) 12.03.2015
(54) USE OF AN INHIBITOR OF ADRENOMEDULLIN FOR THE MANUFACTURE OF A DRUG USEFUL IN THE PREVENTION AND TREATMENT OF DISEASES THAT REDUCE BONE DENSITY
(73) Universidad De Zaragoza
Centro de Investigación Biomédica en Red
Fundación Rioja Salud
(72) Martínez Ramírez, Alfredo
Martínez Herrero, Sonia
Larráyoz Roldán, Ignacio
Ochoa Callejero, Laura
Fernández Ledesma, Luis José
Ochoa Garrido, Ignacio
Sanmartín, Josune García

(51) A61P 35/00
A61K 39/395
C07K 16/28
(11) EP3142751
(21) EP15722195.3
(47) 07.08.2019
(87) EP2015060523
19.11.2015
(22) 12.05.2015
(54) ANTI-B7-H1 AND ANTI-CTLA-4 ANTIBODIES FOR TREATING NON-SMALL CELL LUNG CANCER
(73) MedImmune Limited
(72) NARWAL, Rajesh
ROBBINS, Paul
KARAKUNNEL, Joyson
DAR, Mohammed M.
(31) 201461992658 P
201562105992 P
201562114336 P
(32) 13.05.2014
21.01.2015
10.02.2015
(33) United States of America
United States of America
United States of America

(51) A61Q 1/10
A61K 8/39
A61K 8/86
A61K 8/02
A61K 8/25
A61K 8/49
A61K 8/60
(11) EP3089789
(21) EP14793874.0
(47) 07.08.2019
(87) FR2014052369
16.04.2015
(22) 23.09.2014
(54) COSMETIC COMPOSITION FOR COATING KERATIN FIBRES
(73) L'Oréal
(72) ILEKTI, Philippe
JAGER LEZER, Nathalie
(31) 1359890
(32) 11.10.2013
(33) France

(51) A61Q 5/00
A61Q 5/02
A61Q 5/12
A61K 8/27
A61K 8/34
A61K 8/49
A61K 8/23
(11) EP3160428
(21) EP15727678.3
(47) 07.08.2019
(87) EP2015063035
30.12.2015
(22) 11.06.2015
(54) A SEBUM-PROMOTING AGENT FOR IMPROVING HAIR
(73) Unilever NV
(72) BIAN, Xiaoying
CAO, Qunhua
VAN GORKOM, Leonardus, Cornelis, Maria
HOPTROFF, Michael John
JAYASWAL, Amit
QIU, Jing
ZHANG, Jing
(31) PCT/CN2014/080668
14182855
(32) 24.06.2014
29.08.2014
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) A61Q 5/06
A61K 8/25
A61K 8/58
A61K 8/34
A61K 8/42
A61K 8/44
A61K 8/46
(11) EP2869898
(21) EP13732500.7
(47) 07.08.2019
(87) EP2013063592
16.01.2014
(22) 28.06.2013
(54) AGENT AND METHOD FOR THE TEMPORARY DEFORMATION OF KERATIN FIBRES
(73) Henkel AG & Co. KGaA
(72) KNAPPE, Thorsten
HENSCHEL, Anna
(31) 102012211912
(32) 09.07.2012
(33) Germany

(51) A61Q 5/06
A61Q 5/02
A61Q 5/12
A61K 8/81
A61K 8/02
A61K 8/04
(11) EP2969021
(21) EP14764854.7
(47) 07.08.2019
(87) US2014028334
18.09.2014
(22) 14.03.2014
(54) HAIR CARE COMPOSITIONS COMPRISING POLYELECTROLYTE COMPLEXES FOR DURABLE BENEFITS
(73) ISP Investments LLC
(72) ZHOU, Yan
RIGOLETTO, Raymond Jr.
FOLTIS, Linda C.
QU, Xin
COLACO, Allwyn
(31) 201361792035 P
(32) 15.03.2013
(33) United States of America

(51) A61Q 13/00
A61K 8/11

A61Q 5/02
A61Q 5/12
A61K 8/81
A61K 8/73
C11D 3/50
B01J 13/22
(11) EP3316973
(21) EP16733474.7
(47) 07.08.2019
(87) EP2016064975
05.01.2017
(22) 28.06.2016
(54) DELIVERY SYSTEM WITH IMPROVED DEPOSITION
(73) Firmenich SA
(72) BERTHIER, Damien
LEON, Geraldine
VERHOVNIK, Glenn
(31) 15174539
(32) 30.06.2015
(33) European Patent Office (EPO)

(51) A61Q 19/00
A61Q 19/08
A61K 8/97
A61K 8/34
A61Q 5/00
(11) EP2978503
(21) EP14718688.6
(47) 07.08.2019
(87) FR2014050731
02.10.2014
(22) 27.03.2014
(54) COSMETIC USE OF AN EXTRACT OF POLYGONUM BISTORTA
(73) Université Claude Bernard Lyon I
BASF Beauty Care Solutions France S.A.S.
Centre National de la Recherche Scientifique (C.N.R.S.)
(72) ANDRE-FREI, Valérie
BECHETOILLE, Nicolas
PAIN, Sabine
ROUSSELLE, Patricia
(31) 1352769
(32) 27.03.2013
(33) France

(51) A61Q 19/10
A61Q 5/02
A61K 8/42
C11D 1/52
A61K 8/41
A61K 8/46
A61Q 5/00
C11D 1/14
C11D 1/65
C11D 3/32
C11D 1/90
(11) EP3238786
(21) EP17169355.9
(47) 07.08.2019
(22) 25.06.2014
(54) USE OF SPECIAL N-METHYL-N ACYLGLUCAMINES IN SKIN CLEANSING COMPOSITIONS
(73) Clariant International Ltd
(72) KLUG, Peter
MILDNER, Carina
NEUHOFF, Henrike
(31) 102013212738
102013224559
(32) 28.06.2013
29.11.2013
(33) Germany
Germany

(51) A62B 1/10
A62B 35/00
(11) EP3307396
(21) EP16728680.6
(47) 07.08.2019
(87) EP2016063408
15.12.2016
(22) 10.06.2016
(54) LINE SECURING DEVICE
(73) Bornack GmbH & Co. KG
(72) BORNACK, Klaus
(31) 102015109444
(32) 12.06.2015
(33) Germany

(51) A62B 7/08
C01B 13/02
C08G 18/62
C08J 9/28
C08G 18/09
C08G 101/00
(11) EP2790792
(21) EP12857777.2
(47) 07.08.2019
(87) US2012070194
20.06.2013
(22) 17.12.2012
(54) HANDHELD PORTABLE OXYGEN GENERATOR FOR USE IN EXTREME ENVIRONMENTS
(73) Pacific Precision Products Mfg
(72) VIGIER, Francois
MARSHALL, Ahmad
WHITE, Gerald
KIM, Tae
CASTRO, Francisco
FANTUZZI, Emmanuel Angelo
(31) 201161570926 P
(32) 15.12.2011
(33) United States of America

(51) A62B 15/00
B01D 53/30
B01D 53/047
B01D 53/26
(11) EP3261728
(21) EP16711332.3
(47) 07.08.2019
(87) GB2016000042
01.09.2016
(22) 24.02.2016
(54) BREATHING AIR SYSTEM
(73) Safewell Solutions Limited
(72) GARDYNE, Edward Alexander
(31) 201503026
(32) 24.02.2015
(33) United Kingdom

(51) A62B 23/02
A41D 13/11
(11) EP2799116
(21) EP13166050.8
(47) 07.08.2019
(22) 30.04.2013
(54) Single-use respirator with three-dimensional pleated nonwoven as nose seal
(73) Honeywell International Inc.
(72) Fofack, Nicole

(51) A62C 5/02
(11) EP3302719
(21) EP16731026.7
(47) 07.08.2019
(87) EP2016000893
08.12.2016
(22) 01.06.2016
(54) ASSEMBLY AND METHOD FOR PRODUCING AN EXTINGUISHING FOAM
(73) Göbel, Gerd
(72) Göbel, Gerd
(31) 102015006833
(32) 02.06.2015
(33) Germany

(51) A62C 35/02
A62C 37/50
(11) EP3302720
(21) EP16727914.0
(47) 07.08.2019
(87) US2016034022
08.12.2016
(22) 25.05.2016
(54) EXTERNALLY MOUNTED DEVICE FOR THE SUPERVISION OF A FIRE SUPPRESSION SYSTEM
(73) UTC Fire & Security Corporation
(72) KJELLMAN, Thomas
(31) 201562170741 P
(32) 04.06.2015
(33) United States of America

(51) A62C 35/62
A62C 35/64
A62C 35/68
A62C 37/44
(11) EP1888254
(21) EP06772109.2
(47) 07.08.2019
(87) US2006021683
14.12.2006
(22) 05.06.2006
(54) RELEASING CONTROL UNIT FOR A RESIDENTIAL FIRE PROTECTION SYSTEM
(73) Tyco Fire Products LP
(72) WILKINS, Roger, S.
GOLINVEAUX, James, E.
FESSENDEN, Mark, E.
(31) 687656 P
(32) 03.06.2005
(33) United States of America

(51) A62C 37/36
G08B 17/06
A62C 37/11
G08B 17/02
F16K 11/07
F16K 17/38
F16K 31/08
A62C 37/40
(11) EP2510984
(21) EP12154264.1
(47) 07.08.2019
(22) 07.02.2012
(54) Energy independent activator for an extinguisher
(73) Minimax GmbH & Co. KG

(72) Zlatintsis, Chrysafis
(31) 11154772
(32) 17.02.2011
(33) European Patent Office (EPO)

(51) A62D 3/33
C02F 1/28
C02F 1/42
C02F 9/00
C02F 1/44
(11) EP3160599
(21) EP15810926.4
(47) 07.08.2019
(87) US2015037401
30.12.2015
(22) 24.06.2015
(54) MOBILE PROCESSING SYSTEM FOR HAZARDOUS AND RADIOACTIVE ISOTOPE REMOVAL
(73) Kurion, Inc.
(72) RAYMONT, John
FREDRICKSON, James
MERTZ, Joshua
KEENAN, Richard
CARLSON, David
DENTON, Mark
HOFFERBER, Gary, Alan
LUEY, Ja-Kael
FITZGERALD, Zechariah, James
ORME, Ronald, Merritt
PENLAND, Eric, Vincent
(31) 201462016517 P
(32) 24.06.2014
(33) United States of America

(51) A63B 24/00
A63B 69/36
A63B 71/06
A63B 43/00
(11) EP3253465
(21) EP16736986.7
(47) 07.08.2019
(87) ZA2016050006
11.08.2016
(22) 05.02.2016
(54) DIGITAL VERIFICATION OF SINGLE STROKE ACHIEVEMENT
(73) Du Plessies, Shalom Family Trust
(72) Du Plessis, Renier Philliphus
(31) 201500859
(32) 06.02.2015
(33) South Africa

(51) A63B 53/04
A63B 53/02
(11) EP3300776
(21) EP17193743.6
(47) 07.08.2019
(22) 28.09.2017
(54) A GOLF CLUB HEAD
(73) Sumitomo Rubber Industries, Ltd.
(72) RIPP, Patrick
(31) 201662402616 P
201615342822
(32) 30.09.2016
03.11.2016
(33) United States of America
United States of America

(51) A63B 53/04
A63B 53/02
A63B 59/00
(11) EP2854969
(21) EP13731189.0
(47) 07.08.2019
(87) US2013043641
05.12.2013
(22) 31.05.2013
(54) GOLF CLUB HEAD OR OTHER BALL STRIKING DEVICE HAVING IMPACT-INFLUENCING BODY FEATURES
(73) NIKE Innovate C.V.
(72) BOYD, Robert
AKIYAMA, Hiromitsu
OLDKNOW, Andrew G. V.
(31) 201261653937 P
201313797124
201313795881
(32) 31.05.2012
12.03.2013
12.03.2013
(33) United States of America
United States of America
United States of America

(51) A63B 59/00
A63B 59/54
A42B 3/00
A43B 1/00
A43B 5/16
A63B 59/70
A63B 60/54
A63B 102/24
A63B 59/51
A63B 60/08
A63B 102/18
(11) EP3142753
(21) EP15793488.6
(47) 07.08.2019
(87) US2015030383
19.11.2015
(22) 12.05.2015
(54) SPORTING GOODS INCLUDING MICROLATTICE STRUCTURES
(73) Bauer Hockey Ltd.
(72) DAVIS, Stephen, J.
CHAUVIN, Dewey
(31) 201414276739
(32) 13.05.2014
(33) United States of America

(51) A63B 63/00
A63B 69/00
A63B 71/06
A61B 5/16
A63B 24/00
F41J 1/10
F41J 5/056
F41J 1/01
F41J 5/14
(11) EP3135348
(21) EP15187969.9
(47) 07.08.2019
(22) 01.10.2015
(54) STIMULANT TARGET UNIT AND ACCESSORY FOR A STIMULANT TARGET UNIT
(73) Fitlight Sports Corp.
(72) D'Andrade, Derek
(31) 201514839523
(32) 28.08.2015
(33) United States of America

(51) A63B 67/14
(11) EP3096843
(21) EP15740603.4
(47) 07.08.2019
(87) US2015012157
30.07.2015
(22) 21.01.2015
(54) HOCKEY PUCK
(73) 28 Engineering LLC
(72) BAUMAN, Walter Douglas
(31) 201461929713 P
(32) 21.01.2014
(33) United States of America

(51) A63C 9/00
A41D 13/018
(11) EP3250299
(21) EP16713512.8
(47) 07.08.2019
(87) FR2016050183
04.08.2016
(22) 28.01.2016
(54) DEVICE FOR DETECTING THE LOSS OF A SKI
(73) In&Motion
(72) HONORE, Valentin
TISSOT, Pierre-François
THOMAS, Rémi
(31) 1550655
(32) 28.01.2015
(33) France

(51) A63C 19/00
A63C 19/06
E04H 4/00
E02B 5/00
E02B 5/04
A63G 21/18
A63G 31/00
A63B 69/08
A63B 69/12
(11) EP3313540
(21) EP16733417.6
(47) 07.08.2019
(87) EP2016064685
29.12.2016
(22) 24.06.2016
(54) NON-PERMANENT WHITE-WATER RIVER
(73) Hydrostadium
(72) BERNARD, Gilles
SIMON, Pascal
(31) 1555957
(32) 26.06.2015
(33) France

(51) A63F 1/10
A63F 1/14
(11) EP3132834
(21) EP15792414.3
(47) 07.08.2019
(87) JP2015002459
19.11.2015
(22) 15.05.2015
(54) CARD SHOOTER DEVICE AND CARD STORAGE METHOD
(73) Angel Playing Cards Co., Ltd.
(72) SHIGETA, Yasushi
(31) 2014115255
(32) 15.05.2014
(33) Japan

(51) A63F 5/00
G07F 17/32
(11) EP3288650
(21) EP16734442.3
(47) 07.08.2019
(87) IB2016000674
03.11.2016
(22) 28.04.2016
(54) SYSTEM FOR REAL TIME ATTENDANCE FROM A REMOTE GAME SITE TO A GAME GOING ON AT RELOCATED GAME SITE
(73) Novomatic AG
(72) ROTA, Franco Sergio
PANDOLFO, Emilio
LYPKA, Marcin Wojciech
(31) RM20150181
(32) 28.04.2015
(33) Italy

(51) A63F 13/211
A63F 13/428
(11) EP2497545
(21) EP11186933.5
(47) 07.08.2019
(22) 27.10.2011
(54) Information processing program, information processing system, and information processing method
(73) Nintendo Co., Ltd.
(72) Matsunaga, Hiroshi
Minato, Keiichi
(31) 2011050039
2011083455
(32) 08.03.2011
05.04.2011
(33) Japan
Japan

(51) A63F 13/22
A63F 13/42
A63F 13/211
A63F 13/92
A63F 13/95
(11) EP3348311
(21) EP17165026.0
(47) 07.08.2019
(22) 05.04.2017
(54) GAME SYSTEM AND GAME CONTROLLER CAPABLE OF PERFORMING HIGHLY ACCURATE CALIBRATION PROCESSING FOR EACH CONTROLLER
(73) Nintendo Co., Ltd.
(72) OIZUMI, Toshiki
TAKENAKA, Shinji
OKAMURA, Takanori
YASUDA, Shumpei
(31) 2017003397
(32) 12.01.2017
(33) Japan

(51) A63F 13/25
A63F 13/493
A63F 13/497
A63F 13/5258
G02B 27/01
(11) EP3003515
(21) EP14736171.1
(47) 07.08.2019
(87) US2014041422
11.12.2014
(22) 06.06.2014
(54) TRANSITIONING GAMEPLAY ON A HEAD-MOUNTED DISPLAY
(73) Sony Interactive Entertainment Inc.
(72) OSMAN, Steven
MAO, Xiadong
(31) 201361832762 P
201414231609
(32) 07.06.2013
31.03.2014
(33) United States of America
United States of America

(51) A63G 7/00
(11) EP3210657
(21) EP16157957.8
(47) 07.08.2019
(22) 29.02.2016
(54) RETRIEVAL DEVICE FOR AN AMUSEMENT FACILITY
(73) Beutler, Jörg
(72) Beutler, Jörg

(51) A63G 25/00
(11) EP3154650
(21) EP15731471.7
(47) 07.08.2019
(87) US2015035839
23.12.2015
(22) 15.06.2015
(54) INTERACTIVE GAME FLOOR SYSTEM AND METHOD
(73) Universal City Studios LLC
(72) BOYLE, Patrick Devin
(31) 201414305793
(32) 16.06.2014
(33) United States of America

(51) A63G 25/00
A63G 31/16
A63J 25/00
(11) EP2961503
(21) EP14709576.4
(47) 07.08.2019
(87) EP2014053554
04.09.2014
(22) 24.02.2014
(54) METHOD FOR REPRODUCING AN ITEM OF AUDIOVISUAL CONTENT HAVING HAPTIC ACTUATOR CONTROL PARAMETERS AND DEVICE IMPLEMENTING THE METHOD
(73) InterDigital CE Patent Holdings
(72) DANIEAU, Fabien
FLEUREAU, Julien
GUILLOTEL, Philippe
MOLLET, Nicolas
LECUYER, Anatole
CHRISTIE, Marc
(31) 13305220
13305980
(32) 27.02.2013
09.07.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A63H 1/00
A63H 1/18
A63H 1/02
(11) EP3009174
(21) EP15766039.0
(47) 07.08.2019
(87) CN2015075901
25.02.2016
(22) 03.04.2015
(54) COMBINED TOY GYROSCOPE CAPABLE OF SPLITTING AUTOMATICALLY
(73) Guangdong Alpha Animation and Culture CO., LTD.
Guangzhou Alpha Culture Communications Co., Ltd.
Guangdong Auldey Animation & Toy Co., Ltd.
(72) CAI, Dongqing
(31) 201410402522
(32) 16.08.2014
(33) China

(51) A63H 33/00
E04H 15/48
(11) EP3323482
(21) EP17188913.2
(47) 07.08.2019
(22) 31.08.2017
(54) CHILDEN'S PLAY GYMS
(73) Kids II, Inc.
(72) REESE, Bradford
ELSON, Brittany
(31) 201662394817 P
(32) 15.09.2016
(33) United States of America

(51) A63H 33/08
A63H 33/42
(11) EP3157645
(21) EP15808927.6
(47) 07.08.2019
(87) US2015035374
23.12.2015
(22) 11.06.2015
(54) SURFACESCAPE FOR MULTI-DIMENSIONAL PLAY AND DISPLAY
(73) Kosmo, Jennifer, Lynn
(72) Kosmo, Jennifer, Lynn
(31) 201414308435
(32) 18.06.2014
(33) United States of America

(51) A63J 1/02
(11) EP3130382
(21) EP16183553.3
(47) 07.08.2019
(22) 10.08.2016
(54) STAGE REPRESENTATION SYSTEM AND STAGE REPRESENTATION METHOD
(73) ISA Co., Ltd.
(72) ISAYAMA, Kiyoshi
(31) 2015158555
(32) 10.08.2015
(33) Japan

(51) B01D 3/22
(11) EP3218077
(21) EP15729407.5
(47) 07.08.2019
(87) EP2015062855
30.06.2016
(22) 09.06.2015
(54) APERTURE LAYOUT FOR VAPOR-LIQUID CONTACT TRAY
(73) Sulzer Chemtech AG

(72) PILLING, Mark W.
GLÜER, Sven
WILKINSON, Peter
ANDERSON, Ryan E.
(31) 201462096122 P
(32) 23.12.2014
(33) United States of America

(51) B01D 15/08
(11) EP1613409
(21) EP04725302.6
(47) 07.08.2019
(87) DK2004000234
21.10.2004
(22) 02.04.2004
(54) REGENERATION OF CHROMATOGRAPHIC STATIONARY PHASES
(73) NOVO NORDISK A/S
(72) LARSEN, Per
SCHOU, Ole
RASMUSSEN, Eigil, Schroder
(31) 200300536
462949 P
200400098
539875 P
(32) 08.04.2003
15.04.2003
26.01.2004
27.01.2004
(33) Denmark
United States of America
Denmark
United States of America

(51) B01D 15/18
F16K 11/02
(11) EP2056948
(21) EP07852396.6
(47) 07.08.2019
(87) US2007019126
24.04.2008
(22) 30.08.2007
(54) VALVE MODULE AND METHODS FOR SIMULATED MOVING BED CHROMATOGRAPHY
(73) Semba Biosciences, Inc.
(72) BAIER, Joerg Werner
MIERENDORF, Robert Charles Jr.
OROSKAR, Anil Rajaram
PAAREN, Herbert Edmund
LARSON, Bradley James
GRABSKI, Anthony Charles
WILKE, Andrew Paul
BLANDINO, Thomas Paul
(31) 841296 P
918617 P
(32) 30.08.2006
16.03.2007
(33) United States of America
United States of America

(51) B01D 17/00
C10G 33/06
C09K 8/584
B01D 17/12
B01D 69/02
B01D 71/02
B01D 71/06
C02F 1/44
C10G 33/00
E21B 43/16
G01N 11/02
G01N 33/24
C02F 101/32
C02F 103/36
G01N 11/00
G01N 13/02
(11) EP3335777
(21) EP17205278.9
(47) 07.08.2019
(22) 04.12.2017
(54) METHOD FOR TREATING AN AQUEOUS LIQUID BY MEANS OF A FILTER DETERMINED ACCORDING THE INTERFACIAL TENSION OF THE LIQUID
(73) IFP Energies nouvelles
(72) ARGILLIER, Jean-Francois
BENOIT, Antoine
HENAUT, Isabelle
(31) 1662413
(32) 14.12.2016
(33) France

(51) B01D 17/02
B01D 19/00
B01D 21/00
(11) EP3120910
(21) EP16188002.6
(47) 07.08.2019
(22) 11.01.2013
(54) REMOVAL DEVICE
(73) Flamco B.V.
(72) CNOSSEN, Jan Henk
(31) 2008106
201261585331 P
2008479
2009588
(32) 11.01.2012
11.01.2012
13.03.2012
08.10.2012
(33) Netherlands
United States of America
Netherlands
Netherlands

(51) B01D 24/46
C02F 9/08
A01K 63/04
(11) EP3173136
(21) EP15785686.5
(47) 07.08.2019
(87) CN2015000173
05.11.2015
(22) 16.03.2015
(54) FILTER WITH FILTER COTTON CLEANING DEVICE IN AQUARIUM OR GARDEN POND
(73) Yu, Bingyan
(72) QIU, Yuanrui
(31) 201420213870 U
201420276101 U
(32) 29.04.2014
28.05.2014
(33) China
China

(51) B01D 29/11
B01D 29/13
B01D 29/23
B01D 25/38
B01D 29/21
B01D 29/64
B01D 29/35
B01D 29/94
B01D 35/26
(11) EP2448648
(21) EP10794422.5
(47) 07.08.2019
(87) NZ2010000134
06.01.2011
(22) 01.07.2010
(54) IMPROVEMENTS RELATING TO FILTRATION AND DEWATERING APPARATUS
(73) Liquidstrip Limited
(72) MORGAN, Gregory, Richard
(31) 57811109
(32) 01.07.2009
(33) New Zealand

(51) B01D 29/15
B01D 29/21
(11) EP2908923
(21) EP13780066.0
(47) 07.08.2019
(87) EP2013003069
24.04.2014
(22) 11.10.2013
(54) FILTER DEVICE
(73) Hydac Filtertechnik GmbH
(72) SAKRASCHINSKY, Michael
FIEDLER, Sebastian
(31) 102012020431
(32) 18.10.2012
(33) Germany

(51) B01D 33/11
B01D 33/46
B01D 33/76
B04B 7/18
B04B 11/08
(11) EP3326705
(21) EP17200527.4
(47) 07.08.2019
(22) 08.11.2017
(54) FILTER CENTRIFUGE
(73) Andritz KMPT GmbH
(72) GRIM, Gunnar
(31) 102016122348
(32) 21.11.2016
(33) Germany

(51) B01D 33/76
B01D 33/21
B01D 33/44
B01D 33/50
B01D 33/72
(11) EP2582441
(21) EP11796053.4
(47) 07.08.2019
(87) SE2011050733
22.12.2011
(22) 14.06.2011
(54) DISC FILTER
(73) Rioks Patenter AB
(72) STRID, Kent
OSWALDSON, Rolf
(31) 1000647
(32) 16.06.2010
(33) Sweden

(51) B01D 35/00
A47J 37/12
G01N 21/53
G01N 33/03
(11) EP2965797
(21) EP15178685.2
(47) 07.08.2019
(22) 16.06.2010
(54) OIL QUALITY SENSOR AND ADAPTER FOR DEEP FRYERS
(73) Frymaster, L.L.C.
(72) Behle, Martin
Claesson, Jan
Jaferian, Janice M. K.
(31) 456389
(32) 16.06.2009
(33) United States of America

(51) B01D 35/00
B01D 35/30
(11) EP3122436
(21) EP15711150.1
(47) 07.08.2019
(87) EP2015055804
01.10.2015
(22) 19.03.2015
(54) METHOD OF MAKING FILTER SUPPORT AND FILTER SUPPORT
(73) Mahle International GmbH
(72) DUNSCH, Robert
HAALA, Lutz
(31) 102014205449
102015203390
(32) 24.03.2014
25.02.2015
(33) Germany
Germany

(51) B01D 35/14
B01D 35/143
(11) EP3009179
(21) EP13894177.8
(47) 07.08.2019
(87) CN2013084373
02.04.2015
(22) 26.09.2013
(54) WATER FILTER WITH FILTER CARTRIDGE BLOCK ALERTING AND ALERTING METHOD
(73) Shenzhen Xingrisheng Industrial Co., Ltd.
(72) LI, Liedang

(51) B01D 35/147
B01D 35/16
(11) EP2808071
(21) EP14166198.3
(47) 07.08.2019
(22) 28.04.2014
(54) Filter device, in particular for an automotive car
(73) Mahle International GmbH
(72) Gebler, Claude Frédéric
Preißinger, Markus
Ruffet, Valentin
(31) 102013210065
(32) 29.05.2013
(33) Germany

(51) B01D 43/00
B03D 1/016
B32B 5/02
C02F 1/52
(11) EP3148673
(21) EP15799760.2
(47) 07.08.2019
(87) US2015033485
03.12.2015
(22) 01.06.2015
(54) MINERAL RECOVERY USING HYDROPHOBIC POLYMER SURFACES
(73) CiDRA Corporate Services, Inc.
(72) ROTHMAN, Paul J.
FERNALD, Mark R.
O'KEEFE, Christian V.
ADAMSON, Douglas H.
(31) 201462004999 P
(32) 30.05.2014
(33) United States of America

(51) B01D 45/14
B04B 5/00
(11) EP3302755
(21) EP16728636.8
(47) 07.08.2019
(87) EP2016061850
01.12.2016
(22) 25.05.2016
(54) APPARATUS FOR CLEANING CRANKCASE GASES
(73) REINZ-Dichtungs-GmbH
3nine AB
(72) INGE, Claes
FRANZÉN, Peter
ERDMANN, Christoph
ZITAROSA, Francesco
(31) 1550684
(32) 27.05.2015
(33) Sweden

(51) B01D 46/00
(11) EP2806964
(21) EP13703987.1
(47) 07.08.2019
(87) DK2013050026
01.08.2013
(22) 28.01.2013
(54) METHOD FOR PRODUCING A FILTER ELEMENT
(73) AG+ ApS
(72) OLSEN, Jens Steen
(31) 201200075
201270312
(32) 26.01.2012
08.06.2012
(33) Denmark
Denmark

(51) B01D 46/00
B01D 46/10
B01D 29/01
H01M 8/02
(11) EP2859932
(21) EP13004899.4
(47) 07.08.2019
(22) 11.10.2013
(54) Filter
(73) Sommer, Frank
Massold, Andreas
(72) Massold, Andreas
Sommer, Frank

(51) B01D 46/00
B01D 46/10
B01D 46/52
(11) EP2919885
(21) EP13803139.8
(47) 07.08.2019
(87) FR2013052726
22.05.2014
(22) 13.11.2013
(54) METHOD OF MANUFACTURING A FILTER
(73) NOVARES FRANCE
(72) LEBRUN, Michel
BAZIN, Jean-Pierre
CARRON, Hervé
(31) 1260783
(32) 13.11.2012
(33) France

(51) B01D 46/00
B01D 46/24
(11) EP2698189
(21) EP12180896.8
(47) 07.08.2019
(22) 17.08.2012
(54) FILTER MODULE AND FILTER SYSTEM COMPRISING SAME
(73) Pall Corporation
(72) HEIDENREICH, Steffen

(51) B01D 46/24
B01D 46/52
B01D 46/00
(11) EP3003533
(21) EP14807947.8
(47) 07.08.2019
(87) US2014041097
11.12.2014
(22) 05.06.2014
(54) AIR FILTER WITH IMPROVED PERFORMANCE OR POSITIONING
(73) Cummins Filtration IP, Inc.
(72) SCHWARTZ, Scott W.
BARRETEAU, Anthony
PAGE, Emmanuel
(31) 201361831689 P
(32) 06.06.2013
(33) United States of America

(51) B01D 53/02
C07C 7/12
B01J 20/08
B01J 20/04
B01J 20/32
B01J 20/28
B01J 20/30
B01J 20/34
B01D 53/04
(11) EP3174631
(21) EP15732582.0
(47) 07.08.2019
(87) EP2015063994
04.02.2016
(22) 22.06.2015
(54) ADSORBENT BASED ON ALUMINA CONTAINING SODIUM AND DOPED WITH AN ALKALINE ELEMENT, FOR THE CAPTURE OF ACID MOLECULES
(73) IFP Energies nouvelles
(72) BARTHELET, Karin
BAUDOT, Arnaud
LELIAS, Marc-Antoine
DUCREUX, Olivier
(31) 1457406

(32) 31.07.2014
(33) France

(51) B01D 53/04
B01D 53/26
F15B 21/04
B60T 17/00
(11) EP3261749
(21) EP16706522.6
(47) 07.08.2019
(87) EP2016000229
01.09.2016
(22) 11.02.2016
(54) METHOD FOR THE OPERATION OF AN AIR DRYER FOR A COMPRESSED-AIR SYSTEM AND AIR DRYER FOR PERFORMING THE METHOD
(73) WABCO Europe BVBA
(72) HANSEN, Yves
KOPCIUCH, Wojciech
(31) 102015002600
(32) 28.02.2015
(33) Germany

(51) B01D 53/14
(11) EP2903718
(21) EP13774747.3
(47) 07.08.2019
(87) FR2013052100
10.04.2014
(22) 12.09.2013
(54) METHOD FOR THE SELECTIVE ABSORPTION OF HYDROGEN SULPHIDE FROM A GASEOUS EFFLUENT COMPRISING CARBON DIOXIDE BY AN AMINE ABSORBENT SOLUTION COMPRISING A VISCOSIFYING AGENT
(73) IFP Energies nouvelles
(72) GRANDJEAN, Julien
GIRAUDON, Laetitia
DELFORT, Bruno
DALMAZZONE, Christine
MOURET-HENRIQUES, Aurelie
GONNARD, Sebastien
(31) 1202680
(32) 05.10.2012
(33) France

(51) B01D 53/14
B01D 53/50
C01B 17/05
(11) EP2632567
(21) EP11782319.5
(47) 07.08.2019
(87) US2011058314
03.05.2012
(22) 28.10.2011
(54) REGENERATIVE RECOVERY OF SULFUR DIOXIDE FROM EFFLUENT GASES
(73) MECS, Inc.
(72) VERA-CASTANEDA, Ernesto
(31) 408420 P
(32) 29.10.2010
(33) United States of America

(51) B01D 53/18
F23J 15/04
B01D 3/26
(11) EP2958656
(21) EP14707357.1
(47) 07.08.2019
(87) EP2014053428
28.08.2014
(22) 21.02.2014
(54) EXHAUST GAS SCRUBBER FOR MARINE VESSELS
(73) Marine Global Holding AS
(72) STRANDBERG, Peter
(31) 20130290
201361768019 P
(32) 22.02.2013
22.02.2013
(33) Norway
United States of America

(51) B01D 53/22
B01D 67/00
B01D 69/08
B01D 71/02
B01D 71/42
B29K 91/00
B29K 23/00
B29D 22/00
(11) EP2844368
(21) EP13722205.5
(47) 07.08.2019
(87) US2013038567
07.11.2013
(22) 29.04.2013
(54) USE OF A HOLLOW FIBER CARBON MOLECULAR SIEVE MEMBRANE
(73) Dow Global Technologies LLC
Georgia Tech Research Corporation
(72) KOROS, William, J.
XU, Liren
BRAYDEN, Mark, K.
MARTINEZ, Marcos, V.
STEARS, Brien, A.
(31) 201261640756 P
(32) 01.05.2012
(33) United States of America

(51) B01D 53/26
B01D 46/00
C01B 3/50
B65G 5/00
(11) EP3140022
(21) EP15723401.4
(47) 07.08.2019
(87) US2015029400
12.11.2015
(22) 06.05.2015
(54) METHOD FOR IMPROVING THE INTEGRITY OF A PIPELINE
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) NORRIS, Dennis
(31) 201414270451
201414464048
(32) 06.05.2014
20.08.2014
(33) United States of America
United States of America

(51) B01D 53/26
F21V 31/03
F21Y 115/10
F21S 45/33
(11) EP3222339
(21) EP15860261.5
(47) 07.08.2019
(87) JP2015082566
26.05.2016
(22) 19.11.2015
(54) LAMP WITH DEHUMIDIFYING DEVICE
(73) Nitto Denko Corporation
(72) FURUUCHI, Koji
MATSUSHIMA, Ryoichi
HAYAMA, Hideki
MIMOTO, Akiko
NISHII, Hiroyuki
(31) 2014234874
(32) 19.11.2014
(33) Japan

(51) B01D 53/52
B01J 20/06
B01J 23/745
C10L 3/10
B01J 20/02
(11) EP3010625
(21) EP14813761.5
(47) 07.08.2019
(87) US2014042849
24.12.2014
(22) 18.06.2014
(54) HIGHLY ACTIVE NANO IRON CATALYST FOR THE ABSORPTION OF HYDROGEN SULFIDE
(73) New Technology Ventures, Inc.
(72) IRURZUN, Veronica M.
FARHA, Floyd E.
(31) 201313921600
(32) 19.06.2013
(33) United States of America

(51) B01D 61/00
B01D 61/36
(11) EP3316994
(21) EP16734312.8
(47) 07.08.2019
(87) EP2016065195
05.01.2017
(22) 29.06.2016
(54) OSMOTIC DISTILLATION METHOD FOR CONCENTRATING A LIQUID CONTAINING COOKING SALT
(73) Covestro Deutschland AG
(72) BULAN, Andreas
SCHIESSER, Yuliya
WEBER, Rainer
(31) 15174857
(32) 01.07.2015
(33) European Patent Office (EPO)

(51) B01D 61/44
C01D 5/02
C25B 1/16
(11) EP3061518
(21) EP16157263.1
(47) 07.08.2019
(22) 25.02.2016
(54) METHOD FOR THE ELECTROLYTIC PRODUCTION OF LITHIUM HYDROXIDE-CONTAINING AQUEOUS SOLUTIONS FROM CONTAMINATED AQUEOUS DILUATES CONTAINING LITHIUM
(73) Technische Universität Bergakademie Freiberg
(72) Bertau, Martin, Prof. Dr.

Martin, Gunther
(31) 102015203395
(32) 25.02.2015
(33) Germany

(51) B01D 67/00
B01J 35/06
B01J 23/14
B01J 23/06
B01D 69/14
B01D 71/02
B01J 35/00
C02F 1/32
C02F 1/44
C02F 1/72
C02F 101/30
(11) EP3352902
(21) EP16775524.8
(47) 07.08.2019
(87) EP2016072282
30.03.2017
(22) 20.09.2016
(54) BIOCOMPATIBLE, POROUS FILTERING MEMBRANES INCLUDING PHOTOCATALYSTS
(73) Luxembourg Institute of Science and Technology
(72) LAMBLIN, Guillaume
LENOBLE, Damien
ROGÉ, Vincent
(31) 92836
(32) 24.09.2015
(33) Luxembourg

(51) B01D 69/02
B01D 67/00
B01D 65/10
G01M 3/40
(11) EP2796186
(21) EP14176215.3
(47) 07.08.2019
(22) 19.05.2010
(54) Membrane with means for status monitoring
(73) Airbus Operations GmbH
(72) Friedberger, Alois
Helwig, Andreas
Müller, Gerhard
(31) 102009022913
(32) 27.05.2009
(33) Germany

(51) B01D 69/12
B01D 69/14
B01D 61/00
B01D 19/00
B01D 71/02
B01D 71/32
(11) EP2826546
(21) EP14171507.8
(47) 07.08.2019
(22) 06.06.2014
(54) Carbon nanotube composite membrane
(73) Idex Health & Science LLC
(72) Sims, Carl
Liu, Quan
(31) 201313911443
(32) 06.06.2013
(33) United States of America

(51) B01F 3/04
B01D 19/00
B01F 5/02
B01F 5/04
B01F 5/06
C02F 1/04
C02F 1/44
B01F 5/10
C02F 1/74
C02F 103/02
(11) EP3231502
(21) EP17000830.4
(47) 07.08.2019
(22) 14.01.2014
(54) HIGH-DENSITY FINE BUBBLE-CONTAINING LIQUID PRODUCING METHOD AND HIGH-DENSITY FINE BUBBLE-CONTAINING LIQUID PRODUCING APPARATUS
(73) Idec Corporation
(72) Kobayashi, Hideaki
Kashiwa, Masakazu
(31) 2013006481
(32) 17.01.2013
(33) Japan

(51) B01F 5/06
B28C 5/38
C04B 28/14
C04B 38/10
B01F 3/04
(11) EP2952248
(21) EP14290163.6
(47) 07.08.2019
(22) 05.06.2014
(54) APPARATUS AND METHOD FOR THE PRODUCTION OF FOAM
(73) Saint-Gobain Placo SAS
(72) Jaffel, Hamouda
Morlat, Richard

(51) B01F 15/00
B01F 7/16
B01F 7/00
(11) EP3317005
(21) EP16731513.4
(47) 07.08.2019
(87) EP2016001056
05.01.2017
(22) 21.06.2016
(54) DISPERSING DEVICE
(73) IKA - Werke GmbH & Co. KG
(72) KAUFMANN, Axel
(31) 102015008480
(32) 01.07.2015
(33) Germany

(51) B01J 2/12
B01J 2/00
(11) EP2754485
(21) EP12829971.6
(47) 07.08.2019
(87) JP2012072776
14.03.2013
(22) 06.09.2012
(54) COATING DEVICE
(73) Kabushiki Kaisha Powrex
(72) HASEGAWA Koji
HOTTA Yasuhiro
KINOSHITA Naotoshi
ENDOU Tarou
FUKUDA Shuichiro
UCHIDA Kazuhiro
TOMITA Yosuke
KAMADA Hitoshi
WAKABAYASHI Kazunori
(31) 2011194059
2012080373
2012132902
2012141955
2012143281
2012143282
2012143284
2012143285
(32) 06.09.2011
30.03.2012
12.06.2012
25.06.2012
26.06.2012
26.06.2012
26.06.2012
26.06.2012
(33) Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan

(51) B01J 8/12
(11) EP3335784
(21) EP17206290.3
(47) 07.08.2019
(22) 08.12.2017
(54) MOVING BED FOR CATALYTIC REFORMING
(73) IFP Energies nouvelles
(72) RICHARD, Florence
LAMBERT, Fabian
BANCEL, Thierry
FLOER, Cécile
VINAY, Guillaume
(31) 1662637
(32) 16.12.2016
(33) France

(51) B01J 8/18
B01J 38/72
C10G 11/18
B01D 45/08
B01D 45/12
B01D 45/16
B01D 50/00
B04C 3/04
B04C 5/26
(11) EP3180119
(21) EP15831954.1
(47) 07.08.2019
(87) US2015037928
18.02.2016
(22) 26.06.2015
(54) SEPARATION PROCESS AND APPARATUS
(73) UOP LLC
(72) UMAR, Syed Basheer
ZAVALA, Raul
PALMAS, Paolo
JOHNSON II, Richard A.
(31) 201414458392
(32) 13.08.2014
(33) United States of America

(51) B01J 13/16

A01N 25/28
(11) EP3285918
(21) EP16707138.0
(47) 07.08.2019
(87) EP2016054340
27.10.2016
(22) 01.03.2016
(54) AGROFORMULATION OF MICROCAPSULES WITH SULFONATE AND CODISPERSANT
(73) BASF SE
(72) STEINBRENNER, Ulrich
VOLLAND, Thorsten
GRUBER, Angelika
SHBAITA, Haytham
SIMON, Anja
ASHER, Brady
ZAWIERUCHA, Joseph
BOWE, Steven Joseph
(31) 15164755
(32) 23.04.2015
(33) European Patent Office (EPO)

(51) B01J 19/00
(11) EP2206551
(21) EP08306012.9
(47) 07.08.2019
(22) 23.12.2008
(54) MICROCHANNEL REACTORS
(73) Corning Incorporated
(72) Dannoux, Thierry Luc Alain
Woehl, Pierre

(51) B01J 19/30
(11) EP3254754
(21) EP17173612.7
(47) 07.08.2019
(22) 31.05.2017
(54) FILLING ELEMENT
(73) Vereinigte Füllkörper-Fabriken GmbH & Co. KG
(72) Schwämmlein, Kurt
(31) 16173501
(32) 08.06.2016
(33) European Patent Office (EPO)

(51) B01J 20/18
B01D 53/02
C01B 39/38
(11) EP2865444
(21) EP13808510.5
(47) 07.08.2019
(87) JP2013003963
03.01.2014
(22) 25.06.2013
(54) CARBON DIOXIDE ADSORBENT
(73) Panasonic Corporation
(72) YUASA, Akiko
KURODA, Yasushige
ITADANI, Atsushi
(31) 2012142209
(32) 25.06.2012
(33) Japan

(51) B01J 20/34
(11) EP2926897
(21) EP15162339.4
(47) 07.08.2019
(22) 02.04.2015
(54) DEVICE FOR RECOVERY OF HALOGENATED HYDROCARBONS
(73) ZeoSys GmbH
(72) Welke, Hartmut
(31) 202014101587 U
(32) 03.04.2014
(33) Germany

(51) B01J 21/04
B01J 35/10
C01F 7/02
C01F 7/14
(11) EP3154678
(21) EP15737993.4
(47) 07.08.2019
(87) EP2015062824
17.12.2015
(22) 09.06.2015
(54) AMORPHOUS MESOPOROUS AND MACROPOROUS ALUMINA WITH OPTIMISED PORE DISTRIBUTION AND METHOD FOR PREPARING SAME
(73) IFP Energies nouvelles
(72) BOUALLEG, Malika
BOUVRY, Céline
(31) 1455411
(32) 13.06.2014
(33) France

(51) B01J 23/652
B01J 35/10
B01J 37/02
C07C 29/60
C07C 31/20
(11) EP3178553
(21) EP15199100.7
(47) 07.08.2019
(22) 10.12.2015
(54) PROCESS FOR THE MANUFACTURE OF PROPANEDIOL
(73) Technip France SA
(72) GILLIN, Frédéric
SU, Fangzheng
GILBEAU, Patrick

(51) B01J 29/00
B01J 29/40
(11) EP2380662
(21) EP09836347.6
(47) 07.08.2019
(87) KR2009007803
08.07.2010
(22) 24.12.2009
(54) CATION EXCHANGE ZEOLITE CATALYST, AND METHOD FOR PRODUCING MONO-IODO BENZENE THROUGH A TRANSIODINATION REACTION USING SAME
(73) SK Chemicals Co., Ltd.
(72) YI, Yong-Jin
LIM, Jae-Bong
CHA, Il-Hoon
KIM, Han-Seok
PARK, Yong-Ki
CHOI, Won-Choon
MIN, Da-Young
(31) 20080137990
(32) 31.12.2008
(33) Korea (Republic)

(51) B01J 29/06
B01J 21/16
C07C 1/20
(11) EP2242576
(21) EP09704538.9
(47) 07.08.2019
(87) EP2009050755
30.07.2009
(22) 23.01.2009
(54) catalyst composite, PROCESS FOR OBTAINING A CATALYST COMPOSITE, and process for making an olefin product using said catalyst composite
(73) TOTAL RESEARCH & TECHNOLOGY FELUY
(72) NESTERENKO, Nikolai
VERMEIREN, Walter
VAN DONK, Sander
(31) 08150685
(32) 25.01.2008
(33) European Patent Office (EPO)

(51) B01J 29/70
C07C 4/06
C10G 55/06
C10G 57/00
C10G 11/05
C07C 11/06
(11) EP3313569
(21) EP16745522.9
(47) 07.08.2019
(87) NL2016050444
29.12.2016
(22) 23.06.2016
(54) PROCESS TO PREPARE PROPYLENE
(73) Gasolfin B.V.
(72) DRIES, Hubertus Wilhelmus Albertus
(31) 2015016
(32) 23.06.2015
(33) Netherlands

(51) B01J 31/02
C07C 68/06
C08G 64/30
(11) EP3244997
(21) EP16700588.3
(47) 07.08.2019
(87) EP2016050600
21.07.2016
(22) 14.01.2016
(54) USE OF COMPOSITION COMPRISING TITANIUM OR ZIRCONIUM ALKOXIDE IN AROMATIC CARBONATE PREPARATION PROCESS
(73) Shell Internationale Research Maatschappij B.V.
(72) VAPORCIYAN, Garo, Garbis
YU, Kunquan
(31) 15151212
(32) 15.01.2015
(33) European Patent Office (EPO)

(51) B01J 31/12
C07D 307/77
(11) EP3352901
(21) EP16770888.2
(47) 07.08.2019
(87) EP2016001557
30.03.2017
(22) 16.09.2016
(54) PERFLUOROALKYL GROUP-CONTAINING BISMUTH COMPOUNDS AS LEWIS ACID CATALYSTS
(73) Merck Patent GmbH
(72) HÖGE, Berthold Theo
SOLYNTJES, Sven Joerg-Ruediger August

BADER, Anne Julia
IGNATIEV, Nikolai
(31) 102015012193
(32) 23.09.2015
(33) Germany

(51) B01J 31/16
B01J 31/22
B82Y 40/00
C07F 15/02
C07F 15/04
C07F 15/06
C07F 19/00
C07F 3/06
C08G 64/20
C08G 64/34
(11) EP3222626
(21) EP16752670.6
(47) 07.08.2019
(87) KR2016001557
25.08.2016
(22) 16.02.2016
(54) METAL COMPLEX COMPOUND, AND METAL NANOSTRUCTURE AND CATALYST COMPOSITION COMPRISING SAME
(73) LG Chem, Ltd.
(72) KWON, Won Jong
YOON, Sung Ho
LEE, Ye Ji
(31) 20150024342
20160017313
(32) 17.02.2015
15.02.2016
(33) Korea (Republic)
Korea (Republic)

(51) B01J 31/18
C07C 45/50
C07C 45/80
C07F 9/02
(11) EP2699350
(21) EP12719145.0
(47) 07.08.2019
(87) US2012033528
26.10.2012
(22) 13.04.2012
(54) METHODS TO STORE TRANSITION METAL ORGANOPHOSPHOROUS LIGAND BASED CATALYSTS
(73) Dow Technology Investments LLC
BASF SE
(72) EISENSCHMID, Thomas, C.
BECKER, Michael, C.
CAMPBELL, Donald, L.
BRAMMER, Michael, A.
MILLER, Glenn, A.
LORD, Edward Adrian
RUDOLPH, Jens
REEH, Hans-Rudiger
(31) 201161476593 P
(32) 18.04.2011
(33) United States of America

(51) B01J 31/22
B01J 31/18
C07C 6/04
(11) EP2703081
(21) EP12182927.9
(47) 07.08.2019
(22) 04.09.2012
(54) MOLYBDENUM AND TUNGSTEN COMPLEXES AS OLEFIN METATHESIS CATALYSTS AND REACTIONS USING THE CATALYSTS
(73) XiMo AG
(72) Fráter, Georg, Emil
Levente, Ondi

(51) B01L 3/00
(11) EP3100787
(21) EP16178980.5
(47) 07.08.2019
(22) 16.05.2011
(54) METHOD FOR SAMPLE ANALYSIS
(73) Alere Toxicology PLC
(72) PANG, Alan
JOWETT, Gordon Thomas
LILLIS, Barry
FAIRBANK, Jack
(31) 201014167
(32) 25.08.2010
(33) United Kingdom

(51) B01L 3/00
B01D 27/10
B01D 35/30
B01D 36/00
(11) EP2688670
(21) EP12703472.6
(47) 07.08.2019
(87) EP2012050948
27.09.2012
(22) 23.01.2012
(54) FLUIDIC SYSTEM FOR BUBBBLE-FREE FILLING OF A MICROFLUIDIC FILTER CHAMBER
(73) Robert Bosch GmbH
(72) ROTHACHER, Peter
RUPP, Jochen
DORRER, Christian
(31) 102011005932
(32) 23.03.2011
(33) Germany

(51) B01L 3/00
C12Q 1/68
(11) EP3090803
(21) EP15305710.4
(47) 07.08.2019
(22) 07.05.2015
(54) IMPROVED DEVICE FOR THE ANALYSIS OF NUCLEIC ACID MOLECULES
(73) Centre National de la Recherche Scientifique (CNRS)
Paris Sciences et Lettres - Quartier Latin
(72) Croquette, Vincent
Ouellet, Jimmy
Bensimon, David
Andre, Charles
Allemand, Jean-François
Hamilton, Gordon

(51) B01L 3/00
F04B 13/00
F04B 17/00
F04B 19/00
F04B 19/24
F04B 43/04
F04B 49/06
B41J 2/175
B41J 2/14
G01K 17/00
(11) EP2571696
(21) EP11783885.4
(47) 07.08.2019
(87) US2011023173
24.11.2011
(22) 31.01.2011
(54) FLUID EJECTION DEVICE WITH CIRCULATION PUMP
(73) Hewlett-Packard Development Company, L.P.
(72) GOVYADINOV, Alexander
BENNING, Paul J.
(31) 201113002116
5445
5441
4348
833984
3569
(32) 13.01.2011
28.10.2010
28.10.2010
28.07.2010
11.07.2010
21.05.2010
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) B01L 3/00
G01N 1/31
C12M 3/00
C12M 1/12
(11) EP3150278
(21) EP15002822.3
(47) 07.08.2019
(22) 02.10.2015
(54) TISSUE CASSETTE
(73) Euroimmun Medizinische Labordiagnostika AG
(72) BUSCHTEZ, Michael
ROTTMANN, Norbert
KAYSER, Klaus

(51) B01L 3/00
G01N 21/11
(11) EP2117713
(21) EP07869747.1
(47) 07.08.2019
(87) US2007088532
03.07.2008
(22) 21.12.2007
(54) THERMAL TRANSFER METHODS FOR MICROFLUIDIC SYSTEMS
(73) DiaSorin S.p.A.
(72) BEDINGHAM, William
KOKAISEL, Christopher R.
PEDERSON, Jeffrey C.
(31) 871611 P
(32) 22.12.2006
(33) United States of America

(51) B01L 3/00
G01N 33/49
(11) EP2928607
(21) EP13820739.4
(47) 07.08.2019
(87) EP2013075736

12.06.2014
(22) 05.12.2013
(54) VALVING SYSTEM FOR USE IN CENTRIFUGAL MICROFLUIDIC PLATFORMS
(73) Radisens Diagnostics Ltd.
(72) KELLOGG, Gregory J.
(31) 12195761
201261733866 P
(32) 05.12.2012
05.12.2012
(33) European Patent Office (EPO)
United States of America

(51) B01L 3/00
G01N 35/00
G01N 1/38
G01N 35/10
(11) EP3151962
(21) EP15725384.0
(47) 07.08.2019
(87) EP2015062337
10.12.2015
(22) 03.06.2015
(54) ROTATABLE CARTRIDGE FOR PROCESSING AND ANALYZING A BIOLOGICAL SAMPLE
(73) F. Hoffmann-La Roche AG
(72) BOEHM, Christoph
LUTZ, Sascha
SPINKE, Jürgen
(31) 14171424
(32) 06.06.2014
(33) European Patent Office (EPO)

(51) B01L 3/00
G01R 31/44
G01N 33/487
(11) EP3206794
(21) EP15784125.5
(47) 07.08.2019
(87) GB2015053066
21.04.2016
(22) 15.10.2015
(54) ELECTRICAL DEVICE WITH DETACHABLE COMPONENTS
(73) Oxford Nanopore Technologies Limited
(72) BROWN, Clive Gavin
HYDE, Jason Robert
JACKSON, Mark David
MACKETT, Paul Raymond
MCKENDRY, Jonathan Edward
WILTSHIRE, Richard Kenneth John
(31) 201418512
201507904
201508158
(32) 17.10.2014
08.05.2015
13.05.2015
(33) United Kingdom
United Kingdom
United Kingdom

(51) B01L 7/00
F04B 43/04
F16K 99/00
B01L 3/00
G01N 1/28
(11) EP1979097
(21) EP07716595.9
(47) 07.08.2019
(87) US2007000960
26.07.2007
(22) 12.01.2007
(54) FLEXIBLE AND MODULAR MICROFLUIDIC DEVICE
(73) Rheonix, Inc.
(72) ZHOU, Peng
YOUNG, Lincoln
(31) 760552 P
(32) 19.01.2006
(33) United States of America

(51) B02C 13/26
B02C 13/28
(11) EP3325162
(21) EP16733364.0
(47) 07.08.2019
(87) EP2016064283
26.01.2017
(22) 21.06.2016
(54) ROTOR FOR AN IMPACT CRUSHER
(73) thyssenkrupp AG
thyssenkrupp Industrial Solutions AG
(72) SZCZELINA, Piotr
GERNHARDT, Thomas
DUWENDAG, Ute
STEINSTRÄTER, Daniel
(31) 102015213958
(32) 23.07.2015
(33) Germany

(51) B02C 17/18
B02C 21/00
B02C 23/36
(11) EP3397388
(21) EP16815652.9
(47) 07.08.2019
(87) IB2016057096
06.07.2017
(22) 24.11.2016
(54) A DISCHARGING DEVICE FOR MILLS
(73) Certech S.P.A. A Socio Unico
(72) PALLADINI, Alberto
(31) UB20159171
(32) 28.12.2015
(33) Italy

(51) B02C 18/00
B02C 23/04
F16P 3/14
B02C 18/16
(11) EP1935497
(21) EP08102126.3
(47) 07.08.2019
(22) 09.08.2005
(54) Shredder throat safety system
(73) Fellowes, Inc.
(72) Matlin, Taihoon K.
Gach, Eric
(31) 937304
177480
(32) 10.09.2004
11.07.2005
(33) United States of America
United States of America

(51) B02C 18/06
B02C 18/16
B02C 23/00
(11) EP3280534
(21) EP17718024.7
(47) 07.08.2019
(87) EP2017025075
05.10.2017
(22) 03.04.2017
(54) LABORATORY GRINDER
(73) Retsch GmbH
(72) JANETTA, Frank
(31) 102016003746
102016014636
(32) 01.04.2016
09.12.2016
(33) Germany
Germany

(51) B02C 19/06
C01B 33/021
C04B 35/56
(11) EP3154700
(21) EP15730704.2
(47) 07.08.2019
(87) EP2015062274
17.12.2015
(22) 02.06.2015
(54) SILICON SEED PARTICLES FOR THE PRODUCTION OF POLYCRYSTALLINE SILICON GRANULES IN A FLUIDIZED BED REACTOR
(73) Wacker Chemie AG
(72) FORSTPOINTNER, Gerhard
HAUSWIRTH, Rainer
(31) 102014211037
(32) 10.06.2014
(33) Germany

(51) B03C 3/12
B03C 3/155
B03C 3/36
B03C 3/41
B03C 3/28
(11) EP2954954
(21) EP14171666.2
(47) 07.08.2019
(22) 09.06.2014
(54) Air filter arrangement
(73) Elfi Elektrofilter Aktiebolag
(72) Wallin, Jan-Olof

(51) B03C 7/04
B29B 17/02
B29K 27/06
B29K 67/00
(11) EP2384818
(21) EP11159412.3
(47) 07.08.2019
(22) 23.03.2011
(54) Device and method for sorting fine particles out of a particle mixture
(73) Krones AG
(72) Friedlaender, Thomas
(31) 102010028555
(32) 04.05.2010
(33) Germany

(51) B04B 5/04
(11) EP2397229
(21) EP11004873.3
(47) 07.08.2019
(22) 15.06.2011
(54) Umbilicus for use in an umbilicus-driven fluid processing system
(73) Fenwal, Inc.
(72) Manzella Jr, Salvatore
West, Richard L

Jones, Mark B
(31) 815968
(32) 15.06.2010
(33) United States of America

(51) B04B 5/10
B08B 3/06
B04B 7/00
B04B 11/04
B04B 15/12
C23G 3/00
(11) EP3165286
(21) EP16195454.0
(47) 07.08.2019
(22) 25.10.2016
(54) METHOD AND DEVICE FOR DE-OILING AND/OR CLEANING MASS-PRODUCED PARTS
(73) Dr. Ing. Gössling Maschinenfabrik GmbH
(72) Gössling, Manfred
Hofmann, Roland
(31) 102015118877
(32) 04.11.2015
(33) Germany

(51) B05B 1/34
B05B 7/00
B05B 7/08
B05B 15/40
(11) EP3110558
(21) EP15714640.8
(47) 07.08.2019
(87) IB2015051394
03.09.2015
(22) 25.02.2015
(54) STABILIZED FLOW SRAY NOZZLE
(73) Mayer, Erardo Mateo
Micheletti, Giorgio
(72) Micheletti, Giorgio
Mayer, Erardo Mateo
(31) VI20140047
(32) 28.02.2014
(33) Italy

(51) B05B 5/04
B05B 3/10
B05B 3/00
B05B 5/00
(11) EP2808089
(21) EP12866946.2
(47) 07.08.2019
(87) JP2012079507
01.08.2013
(22) 14.11.2012
(54) ROTARY ATOMIZER HEAD-TYPE COATING MACHINE
(73) ABB Schweiz AG
(72) YAMAUCHI, Kuniharu
(31) 2012012924
(32) 25.01.2012
(33) Japan

(51) B05B 7/04
B05B 7/16
B05B 12/14
B05B 13/06
B05B 15/68
B29B 7/74
B29B 7/76
(11) EP3085457
(21) EP16165468.6
(47) 07.08.2019
(22) 15.04.2016
(54) MACHINE FOR COATING CONCRETE ARTICLES
(73) Canzian Fratelli S.r.l.
(72) CANZIAN, Antonio
ZANARDO, Paolo
(31) TV20150054
(32) 20.04.2015
(33) Italy

(51) B05B 7/14
(11) EP3010645
(21) EP14726961.7
(47) 07.08.2019
(87) EP2014060854
24.12.2014
(22) 26.05.2014
(54) POWDER CONVEYOR FOR COATING POWDER
(73) Gema Switzerland GmbH
(72) MAUCHLE, Felix
VIELI, Hanspeter
(31) 102013211550
(32) 19.06.2013
(33) Germany

(51) B05B 11/00
(11) EP2859959
(21) EP13188504.8
(47) 07.08.2019
(22) 14.10.2013
(54) Dispenser for sucking back contents remaining in the nozzle outlet
(73) Yonwoo Co., Ltd.
(72) Bae, Young-Moo

(51) B05B 15/00
(11) EP3218117
(21) EP15790592.8
(47) 07.08.2019
(87) EP2015075961
19.05.2016
(22) 06.11.2015
(54) POWDER CONTAINER FOR A POWDER COATING INSTALLATION
(73) Gema Switzerland GmbH
(72) MAUCHLE, Felix
DOS REIS, Paulo
(31) 102014223307
(32) 14.11.2014
(33) Germany

(51) B05B 15/18
(11) EP3069793
(21) EP16160146.3
(47) 07.08.2019
(22) 14.03.2016
(54) NOZZLE
(73) Flow-Tech Products GmbH
(72) Campana, Urs
(31) 4262015
(32) 14.03.2015
(33) Switzerland

(51) B05C 5/02
(11) EP2969247
(21) EP14710759.3
(47) 07.08.2019
(87) US2014019986
18.09.2014
(22) 03.03.2014
(54) VARIABLE VOLUME HOT MELT ADHESIVE DISPENSING NOZZLE OR DIE ASSEMBLY WITH CHOKE SUPPRESSION
(73) Illinois Tool Works Inc.
(72) MCGUFFEY, Grant
(31) 201313795865
(32) 12.03.2013
(33) United States of America

(51) B05C 5/02
B05C 11/10
G05D 7/00
(11) EP2435191
(21) EP10725861.8
(47) 07.08.2019
(87) IB2010001305
02.12.2010
(22) 20.05.2010
(54) NOZZLE UNIT FOR APPLYING DAMPING MATERIAL, AND DAMPING MATERIAL APPLICATION APPARATUS
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) IWANO, Yoshihiro
MIYAGAWA, Toshifumi
(31) 2009127227
(32) 27.05.2009
(33) Japan

(51) B05C 17/01
B05C 17/005
A61C 5/64
(11) EP3442718
(21) EP17718465.2
(47) 07.08.2019
(87) US2017026888
19.10.2017
(22) 11.04.2017
(54) A SYRINGE FOR DISPENSING A DENTAL SUBSTANCE
(73) 3M Innovative Properties Company
(72) BOEHM, Andreas J.
PEUKER, Marc
(31) 16165039
(32) 13.04.2016
(33) European Patent Office (EPO)

(51) B05D 1/24
F16C 33/42
F16C 33/56
(11) EP2819789
(21) EP13708727.6
(47) 07.08.2019
(87) EP2013053932
06.09.2013
(22) 27.02.2013
(54) PROCESS FOR PRODUCING A ROLLING BEARING CAGE, IN PARTICULAR FOR LARGE ROLLING BEARINGS, AND APPARATUS FOR CARRYING OUT THE PROCESS
(73) thyssenkrupp Rothe Erde GmbH
(72) ROLLMANN, Jörg
SCHNIEDER, Stefan
LEONHARD, Markus
JÜRGENS, Reinhard
(31) 102012101649
(32) 29.02.2012
(33) Germany

(51) B05D 3/06
B05D 1/00

C23C 14/22
C23C 14/56
C23C 14/12
C23C 14/58
H01J 37/32
(11) EP2868767
(21) EP13810005.2
(47) 07.08.2019
(87) JP2013066804
03.01.2014
(22) 19.06.2013
(54) ORGANIC THIN FILM FORMATION DEVICE
(73) ULVAC, Inc.
(72) SAITOU, Kazuhiko
IIJIMA, Masayuki
HIRONO, Takayoshi
NAKAMORI, Kenji
(31) 2012147691
(32) 29.06.2012
(33) Japan

(51) B05D 5/06
B05D 3/06
B05D 7/04
B32B 27/00
B32B 27/16
B44C 1/17
B44C 5/04
(11) EP2589440
(21) EP11800966.1
(47) 07.08.2019
(87) JP2011065084
05.01.2012
(22) 30.06.2011
(54) PROCESS FOR PRODUCING DECORATIVE SHEET, DECORATIVE SHEET, AND PROCESS FOR PRODUCING A DECORATIVE MOLDED ARTICLE USING SAID DECORATIVE SHEET.
(73) Dai Nippon Printing Co., Ltd.
(72) SAITOU, Nobuo
(31) 2010150581
(32) 30.06.2010
(33) Japan

(51) B05D 5/06
B05D 7/00
(11) EP2108463
(21) EP08007233.3
(47) 07.08.2019
(22) 11.04.2008
(54) Method for manufacturing effect finishes and their application
(73) BASF Coatings GmbH
(72) Leyrer, Dr. Reinhold
Wiesing, Reinhold

(51) B06B 1/06
A61B 8/00
(11) EP2844997
(21) EP12875069.2
(47) 07.08.2019
(87) KR2012011554
31.10.2013
(22) 27.12.2012
(54) ULTRASONIC TRANSDUCER, ULTRASONIC PROBE, AND ULTRASOUND IMAGE DIAGNOSIS APPARATUS
(73) Samsung Electronics Co., Ltd.
(72) KO, Hyun-phill
LEE, Jong-mock
(31) 20120042179
(32) 23.04.2012
(33) Korea (Republic)

(51) B07B 4/08
B07B 4/02
B07B 9/02
B03B 9/06
(11) EP3208001
(21) EP17156885.0
(47) 07.08.2019
(22) 20.02.2017
(54) AIR CLASSIFIER WITH TRIPLE SEPARATION
(73) Westeria Fördertechnik GmbH
(72) SPINNEKER, Martin
WESTBROCK, Bernhard
(31) 202016100858 U
(32) 18.02.2016
(33) Germany

(51) B07C 3/06
B65G 47/64
B65G 47/96
B65H 29/16
B07C 1/16
B65H 29/58
B07C 3/08
(11) EP3375740
(21) EP18156040.0
(47) 07.08.2019
(22) 09.02.2018
(54) SORTING CONVEYOR HAVING PIVOTING FLAPS AND CORRESPONDING SORTING INSTALLATION
(73) Solystic
(72) CHAPELET, Jacques
CHIFFLET, Raymond
PANO, Damien
(31) 1752184
(32) 17.03.2017
(33) France

(51) B07C 5/342
G01N 21/90
B07C 5/12
G01N 21/88
(11) EP2899535
(21) EP14196482.5
(47) 07.08.2019
(22) 05.12.2014
(54) Device for the optical inspection of packaging objects in beverage technology
(73) Krones AG
(72) Napravnik, Christian
(31) 102014100699
(32) 22.01.2014
(33) Germany

(51) B08B 1/00
E04D 15/00
A46B 3/00
(11) EP2829330
(21) EP14002121.3
(47) 07.08.2019
(22) 19.06.2014
(54) Device for cleaning of profiled surfaces, especially roof coverings
(73) Wallin, John
(72) Wallin, John
(31) 1300444
(32) 24.06.2013
(33) Sweden

(51) B08B 9/027
B08B 9/032
B01F 5/04
B01F 3/08
C11D 3/48
F04F 5/10
C02F 1/68
C02F 1/72
(11) EP2954960
(21) EP15001686.3
(47) 07.08.2019
(22) 08.06.2015
(54) DEVICE FOR DISINFECTING AND CLEANING CONDUITS, IN PARTICULAR POTABLE WATER CONDUITS, AND METHOD FOR DISINFECTING AND CLEANING SUCH CONDUITS
(73) REMS GmbH & Co KG
(31) 102014008181
(32) 10.06.2014
(33) Germany

(51) B08B 9/049
B08B 1/00
F16L 55/18
A46B 7/04
A46B 13/00
E04H 4/16
(11) EP3212342
(21) EP15854607.7
(47) 07.08.2019
(87) US2015058236
06.05.2016
(22) 30.10.2015
(54) BRUSH ASSEMBLY FOR SELF-PROPELLED POOL AND TANK CLEANER
(73) Aqua Products Inc.
(72) KLEBANOV, Aleksandr
LONDONO, William
(31) 201462073346 P
(32) 31.10.2014
(33) United States of America

(51) B09C 1/08
B09C 1/10
C02F 1/467
C25B 1/02
C25B 1/30
C25B 11/04
C02F 1/72
C02F 3/00
C25B 1/00
C25B 1/04
C25B 9/00
C25B 9/18
C02F 101/30
C02F 103/06
(11) EP3271091
(21) EP15885307.7
(47) 07.08.2019
(87) IL2015051175
22.09.2016
(22) 03.12.2015

(54) BREAKDOWN OF FUEL COMPONENTS AND SOLVENTS IN GROUNDWATER AND CONTAMINATED SOIL
(73) Elgressy, Elie
(72) Elgressy, Elie
(31) 201562135247 P
(32) 19.03.2015
(33) United States of America

(51) B21B 25/00
B21B 19/04
B23K 9/04
C23C 4/02
C23C 4/14
C23C 4/131
B23K 10/02
B23K 101/20
B23K 103/04
(11) EP2944387
(21) EP13870430.9
(47) 07.08.2019
(87) JP2013083635
17.07.2014
(22) 16.12.2013
(54) PLUG FOR HOT PIPE MANUFACTURING
(73) Nippon Steel Corporation
(72) HIGASHIDA Yasuto
HIDAKA Yasuyoshi
(31) 2013003665
(32) 11.01.2013
(33) Japan

(51) B21B 27/10
B21B 45/02
(11) EP3251762
(21) EP16172663.3
(47) 07.08.2019
(22) 02.06.2016
(54) LUBRICATING DEVICE FOR APPLYING A LUBRICANT WHEN ROLLING A PRODUCT TO BE ROLLED
(73) Primetals Technologies Austria GmbH
(72) Schinagl, Bernhard
Dirisamer, Gernot
Dollhäubl, Paul Felix
Lang, Michael

(51) B21B 31/07
B21B 37/58
(11) EP3409387
(21) EP18172768.6
(47) 07.08.2019
(22) 16.05.2018
(54) BEARING FLOTATION COMPENSATION FOR METAL ROLLING APPLICATIONS
(73) Honeywell International Inc.
(72) McGahan, Paul
(31) 201715609264
(32) 31.05.2017
(33) United States of America

(51) B21B 31/08
B21B 31/02
B21D 5/08
B21D 5/12
(11) EP3395460
(21) EP17168657.9
(47) 07.08.2019
(22) 28.04.2017
(54) A ROLLER CAGE FOR A PROFILING LINE
(73) FIVES OTO S.P.A.
(72) ANESI, Andrea

(51) B21C 47/14
(11) EP2844406
(21) EP13720387.3
(47) 07.08.2019
(87) EP2013059204
07.11.2013
(22) 03.05.2013
(54) A METHOD OF OPERATING A COIL FORMING DEVICE
(73) Primetals Technologies Austria GmbH
(72) CASTLE, Robert John
(31) 201207811
(32) 04.05.2012
(33) United Kingdom

(51) B21D 1/00
(11) EP3356063
(21) EP16770787.6
(47) 07.08.2019
(87) EP2016072943
06.04.2017
(22) 27.09.2016
(54) DEVICE AND METHOD FOR STRAIGHTENING PRESSING OF A FLAT METAL PRODUCT
(73) SMS Group GmbH
(72) BENDER, Hans-Jürgen
DINGENOTTO, Manfred
SCHMITZ, Peter
THÜS, Günther
HORN, Gerhard
KLEIN, Achim
(31) 102015219127
(32) 02.10.2015
(33) Germany

(51) B21D 22/02
C22F 1/00
(11) EP3229988
(21) EP15805201.9
(47) 07.08.2019
(87) EP2015078868
16.06.2016
(22) 07.12.2015
(54) PROCESS FOR THE MANUFACTURE OF ELECTRODE FOILS FOR CAPACITORS, ELECTRODE FOILS AND CAPACITORS WITH THE ELECTRODE FOILS
(73) TDK Electronics AG
(72) KUZECI, Erkan
(31) 102014118222
(32) 09.12.2014
(33) Germany

(51) B21D 22/16
B21D 31/00
(11) EP3398698
(21) EP17169758.4
(47) 07.08.2019
(22) 05.05.2017
(54) DEVICE AND METHOD FOR INCREMENTAL REFORMING OF A METALLIC WORKPIECE
(73) Leifeld Metal Spinning AG
(72) NILLIES, Benedikt

(51) B21D 39/02
B60J 10/86
F16J 15/02
B60J 5/10
(11) EP2760604
(21) EP12770033.4
(47) 07.08.2019
(87) EP2012068545
04.04.2013
(22) 20.09.2012
(54) SEALING ARRANGEMENT FOR AN OPENING IN THE STRUCTURE OF A CLOSING ELEMENT FOR A VEHICLE
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) DOCKWEILER, Achim
ROTTELBERGER, Markus
LATHWESEN, Harald
(31) 102011083932
(32) 30.09.2011
(33) Germany

(51) B21F 3/02
B24C 1/10
C23C 8/02
C22C 38/02
C21D 9/02
C22C 38/04
C22C 38/54
C23C 8/22
C23C 8/80
F16F 1/06
C22C 38/08
C22C 38/12
C21D 7/06
C21D 8/06
C21D 1/06
C22C 38/22
C22C 38/24
C22C 38/18
F16F 1/02
(11) EP2896712
(21) EP13837663.7
(47) 07.08.2019
(87) JP2013073937
20.03.2014
(22) 05.09.2013
(54) HELICAL COMPRESSION SPRING AND METHOD FOR MANUFACTURING SAME
(73) NHK Spring Co., Ltd.
(72) ONO, Yuitirou
SHIRAISHI, Tohru
ONO, Yoshiki
TAKAHASHI, Keita
(31) 2012202416
(32) 14.09.2012
(33) Japan

(51) B21H 1/06
B21H 7/00
B23K 26/00
B23P 23/00
B23K 26/342
B22F 3/105
B33Y 10/00
B33Y 30/00
B22F 5/10
B23P 15/24
C21D 7/13
C21D 1/40
(11) EP3266543
(21) EP17174810.6

(47) 07.08.2019
(22) 07.06.2017
(54) METHOD AND APPARATUS FOR COMBINING ADDITIVE MANUFACTURE AND SHAPING
(73) Brandenburgische Technische Universität Cottbus-Senftenberg
GEFERTEC GmbH
(72) Fischer, Georg
Röhrich, Tobias
Bambach, Markus
(31) 102016111047
(32) 16.06.2016
(33) Germany

(51) B21J 15/02
B21J 15/04
B21J 15/08
B21J 15/14
B23K 20/12
F16B 19/10
F16B 37/06
B21J 5/06
(11) EP3375542
(21) EP18161640.0
(47) 07.08.2019
(22) 14.03.2018
(54) METHOD FOR ASSEMBLING AN INSERT ON A SUPPORT
(73) Bollhoff Otalu S.A.
Unimex NV
(72) MATTLER, Claude
DJELIDI, Stéphane
FRISON, Jean-Louis
LEJARS, Patrick
VAN DER STEEN, Arne
(31) 1752146
(32) 16.03.2017
(33) France

(51) B21J 15/02
B21J 15/12
(11) EP3117925
(21) EP16172796.1
(47) 07.08.2019
(22) 03.06.2016
(54) SELF-PIERCING RIVET DEVICE AND PRODUCTION DEVICE
(73) ROBERT BOSCH GMBH
(72) Engler, Sebastian
Woelke, Florian
Hoerlein, Rainer Heinrich
Scharfenberg, Andreas
Diessner, Christian
Pfrommer, Karl-Heinz
Kesel, Ingo
(31) 102015213438
(32) 17.07.2015
(33) Germany

(51) B21J 15/02
B21J 15/12
B21J 15/28
(11) EP3117924
(21) EP16172785.4
(47) 07.08.2019
(22) 03.06.2016
(54) METHOD FOR CONNECTING AT LEAST TWO COMPONENTS BY MEANS OF A SELF-PIERCING RIVET DEVICE AND MANUFACTURING EQUIPMENT
(73) ROBERT BOSCH GMBH
(72) Woelke, Florian
Dieterle, Martin
(31) 102015213436
(32) 17.07.2015
(33) Germany

(51) B21J 15/02
B21J 15/12
B21J 15/28
(11) EP3117923
(21) EP16172776.3
(47) 07.08.2019
(22) 03.06.2016
(54) METHOD FOR CONNECTING AT LEAST TWO COMPONENTS BY MEANS OF A SELF-PIERCING RIVET DEVICE AND MANUFACTURING EQUIPMENT
(73) ROBERT BOSCH GMBH
(72) Woelke, Florian
Dieterle, Martin
(31) 102015213433
(32) 17.07.2015
(33) Germany

(51) B21J 15/02
B21J 15/36
(11) EP3124133
(21) EP16173027.0
(47) 07.08.2019
(22) 06.06.2016
(54) SELF-PIERCING RIVET DEVICE WITH A DIE AND USE OF SUCH DIE
(73) ROBERT BOSCH GMBH
(72) Engler, Sebastian
Woelke, Florian
Kesel, Ingo
Kiedrowski, Thomas
Koenig, Jens
(31) 102015214614
(32) 31.07.2015
(33) Germany

(51) B21L 15/00
B21L 1/00
(11) EP3013497
(21) EP14744753.6
(47) 07.08.2019
(87) DE2014100212
31.12.2014
(22) 26.06.2014
(54) METHOD FOR PROVIDING A CHAIN HAVING A LONGER SERVICE LIFE AND CHAIN INLET DEVICE FOR CARRYING OUT THE METHOD
(73) Thiele GmbH & Co. KG
(72) PHILIPP, Günther
(31) 102013106752
(32) 27.06.2013
(33) Germany

(51) B22C 9/04
B22C 7/02
B29C 45/64
B29C 45/76
B29C 67/24
B29K 91/00
(11) EP3375543
(21) EP15891027.3
(47) 07.08.2019
(87) JP2015081710
18.05.2017
(22) 11.11.2015
(54) WAX INJECTION MOLDING DEVICE AND CASTING METHOD FOR ARTICLE USING WAX INJECTION MOLDING DEVICE
(73) Eishin Technology Co., Ltd
(72) KUBO, Chikanari

(51) B22C 9/10
B22C 9/18
(11) EP3326734
(21) EP17202768.2
(47) 07.08.2019
(22) 21.11.2017
(54) METHOD FOR PRODUCING A FOUNDRY CERAMIC CORE
(73) Jy'nove Sarl
(72) BALDUINI, Jean-Yves
(31) 1661623
(32) 29.11.2016
(33) France

(51) B22D 7/00
B22D 30/00
B22D 9/00
B22D 11/00
B22D 11/049
(11) EP3290131
(21) EP17190498.0
(47) 07.08.2019
(22) 14.03.2013
(54) IN-SITU HOMOGENIZATION OF DC CAST METALS WITH ADDITIONAL QUENCH
(73) Novelis, Inc.
(72) FENTON, Wayne J.
MCDERMOTT, Jeff
WAGSTAFF, Robert Bruce
(31) 201261614790 P
(32) 23.03.2012
(33) United States of America

(51) B22D 11/06
B22D 27/04
C22C 38/00
H01F 1/16
(11) EP2796223
(21) EP12860843.7
(47) 07.08.2019
(87) JP2012083093
27.06.2013
(22) 20.12.2012
(54) PRODUCTION METHOD OF ULTRAFINE CRYSTALLINE ALLOY RIBBON
(73) Hitachi Metals, Ltd.
(72) OHTA Motoki
YOSHIZAWA Yoshihito
(31) 2011277894
(32) 20.12.2011
(33) Japan

(51) B22D 11/08
(11) EP2588260
(21) EP11729089.0
(47) 07.08.2019
(87) EP2011060307
05.01.2012
(22) 21.06.2011
(54) INITIAL CASTING PART, DUMMY BAR HEAD, AND DUMMY BAR FOR A CONTINUOUS CASTING MACHINE FOR CASTING PRELIMINARY PROFILES

(73) Primetals Technologies Austria GmbH
(72) TRAUNER, Alfred
MANSFELD, Milan
MAYRHOFER, Karl Friedrich
MICHALCZYK, Walter
(31) 10167892
(32) 30.06.2010
(33) European Patent Office (EPO)

(51) B22D 11/12
B22D 11/124
B22D 11/22
C21D 5/00
C21D 9/00
B22D 11/041
C21D 8/02
(11) EP3171997
(21) EP15725362.6
(47) 07.08.2019
(87) EP2015062060
28.01.2016
(22) 01.06.2015
(54) METHOD FOR PRODUCING A METAL PRODUCT
(73) SMS group GmbH
(72) BÖCHER, Tilmann
GATHMANN, Marcel
NEUMANN, Luc
PLOCIENNIK, Uwe
(31) 102014214374
(32) 23.07.2014
(33) Germany

(51) B22D 11/124
B22D 11/041
(11) EP3419778
(21) EP17706475.5
(47) 07.08.2019
(87) EP2017053961
31.08.2017
(22) 21.02.2017
(54) NOZZLE ROW ARRANGEMENT AND NOZZLE FIELD FOR INSTALLING IN A ROLLER GAP BETWEEN TWO STRAND GUIDE ROLLERS
(73) SMS Group GmbH
(72) WEYER, Axel
FRIEDRICH, Jürgen
LETZEL, Dirk
SIX, Stephan
NAUJOCK, Andreas
(31) 102016202880
102016215977
(32) 24.02.2016
25.08.2016
(33) Germany
Germany

(51) B22D 11/18
B22D 11/16
(11) EP2442928
(21) EP10788499.1
(47) 07.08.2019
(87) AU2010000740
23.12.2010
(22) 16.06.2010
(54) HIGH EFFICIENCY PLANT FOR MAKING STEEL
(73) Nucor Corporation
(72) WECHSLER, Richard
(31) 187582 P
(32) 16.06.2009
(33) United States of America

(51) B22D 17/20
B22D 19/00
B22C 23/00
B29C 45/37
(11) EP3283246
(21) EP16704474.2
(47) 07.08.2019
(87) IB2016000076
25.08.2016
(22) 02.02.2016
(54) METHOD FOR IDENTIFYING A CAST PART
(73) Nemak, S.A.B. de C.V.
(72) BEHR, Thorsten
GHODSTINAT, Matthias
(31) 102015102308
(32) 18.02.2015
(33) Germany

(51) B22D 17/22
B22D 17/26
(11) EP2981377
(21) EP14779363.2
(47) 07.08.2019
(87) SG2014000118
09.10.2014
(22) 12.03.2014
(54) SEGMENTED DIE CASTING BLOCK
(73) Pratt & Whitney Services Pte Ltd.
(72) WAI, Tuck Chow
(31) 201302505
(32) 03.04.2013
(33) Singapore

(51) B22D 19/00
B22C 9/10
B22C 9/04
B22C 7/02
(11) EP3238860
(21) EP17168426.9
(47) 07.08.2019
(22) 27.04.2017
(54) METHOD AND ASSEMBLY FOR FORMING COMPONENTS USING A JACKETED CORE
(73) General Electric Company
(72) TALLMAN, James Albert
RUTKOWSKI, Stephen Francis
(31) 201615140110
(32) 27.04.2016
(33) United States of America

(51) B22D 23/06
B22F 3/18
B23P 9/02
B22F 3/105
B33Y 10/00
(11) EP2962788
(21) EP15171746.9
(47) 07.08.2019
(22) 11.06.2015
(54) HYBRID ADDITIVE MANUFACTURING METHOD
(73) United Technologies Corporation
(72) LIOU, Joe J.
KLECKA, Michael A.
KUCZEK, Andrzej Ernest
El-WARDANY, Tahany Ibrahim
HOFFMAN, Lee A.
VIENS, Daniel V.
(31) 201462013286 P
(32) 17.06.2014
(33) United States of America

(51) B22D 25/02
B22C 9/00
F03D 1/06
(11) EP3092094
(21) EP15700442.5
(47) 07.08.2019
(87) EP2015050326
16.07.2015
(22) 09.01.2015
(54) MULTI-PART CASTING MOULD, PRODUCTION METHOD, ROTOR HUB AND WIND TURBINE
(73) Senvion GmbH
(72) TREDE, Alf
MEIERDIERKS, Sabine
(31) 102014200276
(32) 10.01.2014
(33) Germany

(51) B22D 27/04
B22C 9/04
(11) EP2987570
(21) EP15170445.9
(47) 07.08.2019
(22) 03.06.2015
(54) COMPONENT CASTING
(73) Rolls-Royce plc
(72) Boswell, John
Simpson, Terence
Crosby, Phillip
(31) 201411680
(32) 01.07.2014
(33) United Kingdom

(51) B22D 41/50
(11) EP3170585
(21) EP16202491.3
(47) 07.08.2019
(22) 27.06.2012
(54) A NOZZLE FOR GUIDING A METAL MELT
(73) Refractory Intellectual Property GmbH & Co. KG
(72) NITZL, Gerald
TANG, Yong
STRANIMAIER, Arno
(31) 11172908
(32) 06.07.2011
(33) European Patent Office (EPO)

(51) B22F 3/105
B29C 67/00
G06F 21/73
B22F 5/00
G06K 1/12
G06K 19/06
B33Y 10/00
B33Y 40/00
(11) EP3098000
(21) EP16170600.7
(47) 07.08.2019
(22) 20.05.2016
(54) ADDITIVE MANUFACTURING METHOD OF A COMPONENT AND A RELATED IDENTICATION PATTERN, A KIT OF PARTS COMPRISING A COMPONENT HAVING AN OBFUSCATION PATTERN

(73) Rolls-Royce plc
(72) Clark, Daniel
Care, Ian
Poole, David
(31) 201509033
(32) 27.05.2015
(33) United Kingdom

(51) B22F 3/115
B22F 5/02
B22F 9/08
C22C 33/02
(11) EP2822718
(21) EP13712412.9
(47) 07.08.2019
(87) US2013029792
12.09.2013
(22) 08.03.2013
(54) THERMAL SPRAY APPLICATIONS USING IRON BASED ALLOY POWDER
(73) Tenneco Inc.
(72) CHRISTOPHERSON, JR., Denis, B.
L'ESPERANCE, Gilles
KOTH, Jeremy
BEAULIEU, Phillipe
FARTHING, Leslie John
SCHOENWETTER, Todd
(31) 201261608853 P
(32) 09.03.2012
(33) United States of America

(51) B23B 29/20
(11) EP2934796
(21) EP13792257.1
(47) 07.08.2019
(87) EP2013003347
03.07.2014
(22) 07.11.2013
(54) APPARATUS WITH AN ALIGNMENT DEVICE AND AN ALIGNMENT METHOD
(73) Sauter Feinmechanik GmbH
(72) BECK, Matthias
(31) 102012025399
(32) 24.12.2012
(33) Germany

(51) B23B 31/10
B23B 31/16
B23B 31/28
B23Q 1/00
B23Q 1/52
(11) EP3385015
(21) EP17164900.7
(47) 07.08.2019
(22) 05.04.2017
(54) CLAMPING DEVICE, IN PARTICULAR A CLAMPING JAW
(73) SMW-AUTOBLOK Spannsysteme GmbH
(72) Maurer, Eckhard

(51) B23B 31/28
(11) EP2837451
(21) EP13180712.5
(47) 07.08.2019
(22) 16.08.2013
(54) Method for performing a coupling process
(73) SMW-AUTOBLOK Spannsysteme GmbH
(72) Maurer Eckhard

(51) B23B 35/00
B25J 11/00
B25J 13/08
B23Q 17/09
B23B 49/02
(11) EP2808110
(21) EP14168216.1
(47) 07.08.2019
(22) 14.05.2014
(54) Drilling apparatus and drilling method
(73) Subaru Corporation
(72) Miyajima, Hideaki
Murakami, Takashi
Takahashi, Hideharu
Nakahata, Tatsuo
(31) 2013110549
(32) 27.05.2013
(33) Japan

(51) B23B 39/18
B23B 39/16
B23B 41/00
B23Q 1/48
B23Q 39/02
(11) EP3338921
(21) EP16206806.8
(47) 07.08.2019
(22) 23.12.2016
(54) DEVICE FOR DRILLING HOLES IN THE AXIAL AND RADIAL DIRECTION OF A BLADE ROOT OF A WIND TURBINE
(73) Kooyen Holding B.V.
(72) Boksem, Cornelis

(51) B23C 3/18
B23P 15/00
F02B 37/24
F02B 39/00
F04D 25/02
F04D 29/28
F04D 29/30
F04D 29/68
(11) EP2949945
(21) EP14743296.7
(47) 07.08.2019
(87) JP2014051243
31.07.2014
(22) 22.01.2014
(54) IMPELLER FOR TURBOCHARGER, METHOD FOR MANUFACTURING SAME, TURBOCHARGER, AND TURBO UNIT
(73) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) MATSUDA, Masaaki
TANEDA, Yoshio
HIROTA, Shuichi
HARIMA, Hidetoshi
INOUE, Nobuhiko
YONEZAWA, Koichi
TSUKIYAMA, Takashi
(31) 2013009996
(32) 23.01.2013
(33) Japan

(51) B23C 5/10
B23C 5/20
(11) EP3037199
(21) EP15170772.6
(47) 07.08.2019
(22) 05.06.2015
(54) DRILLING AND MILLING CUTTER WITH DISPOSABLE BLADE
(73) Chang, Hsin-Tien
(72) Chang, Hsin-Tien
(31) 103145034
(32) 23.12.2014
(33) Taiwan, Province of China

(51) B23D 29/02
B23Q 17/24
G01B 11/14
H02P 1/02
A01G 3/037
(11) EP3223598
(21) EP15804876.9
(47) 07.08.2019
(87) FR2015052963
02.06.2016
(22) 03.11.2015
(54) CONTROL METHOD AND DEVICE FOR POWERED EQUIPMENT
(73) PELLENC
(72) PELLENC, Roger
GILBERT, Philippe
LOPEZ, Bernard
(31) 1461404
(32) 25.11.2014
(33) France

(51) B23F 19/00
B23F 17/00
F16H 1/32
(11) EP3045250
(21) EP16151791.7
(47) 07.08.2019
(22) 19.01.2016
(54) METHOD OF MANUFACTURING AN INTERNALLY GEARED HOLLOW WHEEL AND METHOD FOR MANUFACTURING OR REPAIRING A PLANETARY GEAR
(73) Flender GmbH
(72) Klein, Andreas
Vriesen, Johannes
(31) 15151566
(32) 19.01.2015
(33) European Patent Office (EPO)

(51) B23F 21/00
B23F 19/10
(11) EP2954967
(21) EP14171953.4
(47) 07.08.2019
(22) 11.06.2014
(54) Method and device for chamfering the front face of a toothing of a workpiece
(73) Klingelnberg AG
(72) Vogel, Olaf

(51) B23G 1/04
B23G 1/22
B23G 1/24
(11) EP2605879
(21) EP11757991.2
(47) 07.08.2019
(87) US2011047758
23.02.2012
(22) 15.08.2011
(54) DEVICE FOR PERFORMING POWERED THREADING OPERATIONS AND METHOD THEREFOR
(73) Emerson Electric Co.

(72) KUNDRACIK, Richard
GRESS, Paul W.
HAMM, James E.
CHARTIER, Glen R.
(31) 201113207610
374038 P
(32) 11.08.2011
16.08.2010
(33) United States of America
United States of America

(51) B23H 9/16
B23H 3/04
(11) EP3019295
(21) EP13805242.8
(47) 07.08.2019
(87) DE2013000642
05.06.2014
(22) 28.10.2013
(54) ELECTRODE FOR PROCESSING RECESSES IN DRILL HOLES OF SMALL DIAMETER
(73) EMAG Holding GmbH
(72) ROTHAMMEL, Walter
GMELIN, Walter, Thomas
(31) 102012023374
(32) 29.11.2012
(33) Germany

(51) B23K 9/04
B23K 9/12
(11) EP2448708
(21) EP10742565.4
(47) 07.08.2019
(87) IB2010001588
06.01.2011
(22) 29.06.2010
(54) WELDING DEVICE AND METHOD
(73) Lincoln Global, Inc.
(72) PETERS, Steven, R.
FLAGG, Michael, S.
MCCALL, Greg
(31) 493815
(32) 29.06.2009
(33) United States of America

(51) B23K 9/10
B23K 9/12
(11) EP2809473
(21) EP13707433.2
(47) 07.08.2019
(87) IB2013000127
08.08.2013
(22) 01.02.2013
(54) POWER SOURCE AND WIRE FEEDER MATCHING
(73) Lincoln Global, Inc.
(72) ENYEDY, Edward A.
THAYER, Robert J.
(31) 201213364454
(32) 02.02.2012
(33) United States of America

(51) B23K 11/11
B23K 11/25
B23K 11/31
B23K 11/36
B23K 101/00
B23K 101/18
(11) EP3366409
(21) EP17157541.8
(47) 07.08.2019
(22) 23.02.2017
(54) ARTICULATED ROBOT CARRYING AN ELECTRIC RESISTANCE WELDING HEAD WITH ELECTRODES LOCATED ON THE SAME SIDE ; CORRESPONDING METHOD OF RESISTANCE ELECTRIC WELDING ON A COMPONENT TO BE WELDED
(73) Comau S.p.A.
(72) GATTABRIA, Massimo
DE CHIRICO, Cristina
MARSICOVETERE, Carmelo
MAESTRI, Mauro
DI STEFANO, Giovanni

(51) B23K 20/12
H01M 2/20
(11) EP2699376
(21) EP12717095.9
(47) 07.08.2019
(87) EP2012057112
26.10.2012
(22) 19.04.2012
(54) METHOD AND DEVICE FOR FRICTION STIR WELDING AN ELECTRIC ENERGY STORAGE ASSEMBLY
(73) Blue Solutions
(72) VIGNERAS, Erwan
(31) 1153430
(32) 20.04.2011
(33) France

(51) B23K 26/04
B23K 26/30
G02B 7/09
G02B 7/02
B23K 26/20
B23K 26/38
(11) EP2760620
(21) EP12836452.8
(47) 07.08.2019
(87) US2012058296
04.04.2013
(22) 01.10.2012
(54) HEAD ASSEMBLY FOR A LASER PROCESSING SYSTEM
(73) IPG Photonics Corporation
(72) GRAPOV, Yuri
DIGIANTOMMASO, Michael
(31) 201161542156 P
(32) 01.10.2011
(33) United States of America

(51) B23K 26/06
B23K 26/08
G02B 6/42
G02B 6/02
H01S 3/00
(11) EP3206830
(21) EP14784054.0
(47) 07.08.2019
(87) EP2014071862
21.04.2016
(22) 13.10.2014
(54) OPTICAL ARRANGEMENT HAVING A COUPLING DEVICE AND A FIBER LASER ARRANGEMENT, AND METHOD OF PROCESSING A WORKPIECE USING SUCH AN OPTICAL ARRANGEMENT
(73) Trumpf Werkzeugmaschinen GmbH + Co. KG
(72) POPP, Andreas

(51) B23K 26/08
B23K 26/38
B23K 37/02
B23K 37/04
B23K 10/00
B26D 7/20
(11) EP3268162
(21) EP16706202.5
(47) 07.08.2019
(87) EP2016053932
22.09.2016
(22) 25.02.2016
(54) MACHINE FOR CUTTING PANEL-TYPE WORKPIECES
(73) Trumpf Werkzeugmaschinen GmbH + Co. KG
(72) OTTNAD, Jens
(31) 102015204562
(32) 13.03.2015
(33) Germany

(51) B23K 26/08
C03C 23/00
(11) EP1992445
(21) EP07730487.1
(47) 07.08.2019
(87) ES2007070047
13.09.2007
(22) 06.03.2007
(54) CONTINUOUS FURNACE WITH COUPLED LASER FOR THE SURFACE TREATMENT OF MATERIALS
(73) Consejo Superior De Investigaciones Científicas (CSIC)
(72) ESTEPA MILLAN, Luis Carlos
FUENTE LEIS, German Francisco
(31) 200600560
(32) 07.03.2006
(33) Spain

(51) B23K 26/24
H05B 1/02
F24H 9/20
G01K 1/14
(11) EP2960595
(21) EP15173461.3
(47) 07.08.2019
(22) 23.06.2015
(54) HEATING SYSTEM COMPONENT AND METHOD FOR PRODUCING SAME
(73) Bleckmann GmbH & Co. KG
(72) TEUFL, Gernot
WEBER, Gerhard
(31) 14173711
15173012
(32) 24.06.2014
19.06.2015
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) B23K 26/36
B23K 26/40
B23K 26/38
B23K 26/06
(11) EP2978562
(21) EP14728436.8
(47) 07.08.2019
(87) EP2014000758
02.10.2014
(22) 20.03.2014

(54) METHOD FOR REMOVING BRITTLE-HARD MATERIAL BY MEANS OF LASER RADIATION
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
Rheinisch-Westfälische Technische Hochschule Aachen
(72) SCHULZ, Wolfgang
EPPELT, Urs
(31) 102013005137
(32) 26.03.2013
(33) Germany

(51) B23K 35/30
B22D 11/00
B23K 35/40
B23K 35/02
C22C 9/00
(11) EP3310527
(21) EP16707189.3
(47) 07.08.2019
(87) FR2016050297
22.12.2016
(22) 10.02.2016
(54) WELDING ELECTRODE AND METHOD OF MANUFACTURING A WELDING ELECTRODE
(73) Lebronze Alloys
(72) FRANCOIS, Nicolas
SOREAU, Thierry
PRIMAUX, François
(31) 1555474
PCT/FR2015/052625
(32) 16.06.2015
01.10.2015
(33) France
World Intellectual Property Office (WIPO)

(51) B23K 35/30
C22C 38/18
C22C 38/58
C22C 38/54
C22C 38/50
C22C 38/48
C22C 38/46
C22C 38/44
C22C 38/28
C22C 38/12
C22C 38/06
C22C 38/04
C22C 38/02
C22C 38/22
C22C 38/00
B23K 35/02
(11) EP3078447
(21) EP13898649.2
(47) 07.08.2019
(87) KR2013012146
11.06.2015
(22) 24.12.2013
(54) HIGH STRENGTH WELDING JOINT HAVING EXCELLENT IMPACT TOUGHNESS AT VERY LOW TEMPERATURE, AND FLUX-CORED ARC WELDING WIRE THEREFOR
(73) POSCO
(72) LEE, Bong-Keun
LEE, Sang-Chul
HAN, Il-Wook
KIM, Jeong-Kil
(31) 20130151443
20130151444
(32) 06.12.2013
06.12.2013
(33) Korea (Republic)
Korea (Republic)

(51) B23K 37/04
(11) EP2377643
(21) EP11425107.7
(47) 07.08.2019
(22) 15.04.2011
(54) Welding fixture for a bar truss girder
(73) Mazzocchitti, Dino
(72) Mazzocchitti, Dino
(31) RM20100180
(32) 15.04.2010
(33) Italy

(51) B23K 37/04
B23K 26/24
F16B 5/06
F16B 5/08
B62D 65/02
(11) EP2563545
(21) EP11706475.8
(47) 07.08.2019
(87) EP2011000864
03.11.2011
(22) 23.02.2011
(54) METHOD FOR CONNECTING TWO VEHICLE COMPONENTS OR TWO NON-VEHICLE COMPONENTS
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) HAMMER, Maik
VAN NIEKERK, Johann
HERZINGER, Thomas
(31) 102010028323
102010028322
(32) 28.04.2010
28.04.2010
(33) Germany
Germany

(51) B23P 6/00
B22D 19/10
B22D 1/00
B05D 7/22
F16L 55/164
F16L 58/10
(11) EP2740564
(21) EP13177669.2
(47) 07.08.2019
(22) 04.01.2007
(54) Methods and systems for coating and sealing inside piping systems
(73) Pipe Restoration Technologies, LLC
(72) Gillanders, Larry
Williams, Steve
Laborde, John

(51) B23P 19/10
F01D 25/28
F01D 25/24
(11) EP2912283
(21) EP13759506.2
(47) 07.08.2019
(87) EP2013068473
20.03.2014
(22) 06.09.2013
(54) AN ALIGNMENT DEVICE FOR A TURBOMACHINE COMPONENT AND TURBOMACHINE INCLUDING SUCH DEVICE
(73) Nuovo Pignone S.r.l.
(72) MARUCCI, Daniele
AVANZINI, Andrea
LAZZERI, Marco
FRETTALLONE, Marco
(31) CO20120042
(32) 11.09.2012
(33) Italy

(51) B23Q 1/03
B23F 1/00
B23Q 1/26
B23Q 1/76
B23Q 16/02
B23Q 5/34
B23Q 16/00
(11) EP3251788
(21) EP17174067.3
(47) 07.08.2019
(22) 01.06.2017
(54) DEVICE FOR SUPPORTING A WORKPIECE TO BE MACHINED
(73) VOLLMER WERKE Maschinenfabrik GmbH
(72) BERGBAUR, Michael
(31) 102016006889
(32) 03.06.2016
(33) Germany

(51) B23Q 3/06
F15B 15/14
B25B 5/06
B25B 5/16
F02F 1/00
F15B 15/26
(11) EP2644316
(21) EP11843684.9
(47) 07.08.2019
(87) JP2011006114
31.05.2012
(22) 01.11.2011
(54) CYLINDER DEVICE WITH BOOST MECHANISM
(73) Kosmek Ltd.
(72) YOKOTA, Hideaki
(31) 2010277451
(32) 24.11.2010
(33) Japan

(51) B23Q 9/00
(11) EP3307478
(21) EP16733206.3
(47) 07.08.2019
(87) IB2016053386
15.12.2016
(22) 09.06.2016
(54) MACHINING UNIT WITH A MOVABLE CARRIAGE
(73) Watch Out SA
(72) JACOT, Philippe
LAPORTE, Sébastien
(31) 8342015
(32) 11.06.2015
(33) Switzerland

(51) B23Q 11/00
B23Q 11/10
(11) EP3100822

(21) EP16401035.7
(47) 07.08.2019
(22) 31.05.2016
(54) MACHINE TOOL WITH DEVICE FOR COOLANT SUPPLY
(73) Starrag GmbH
(72) Conrad, Peter
(31) 202015102836 U
(32) 01.06.2015
(33) Germany

(51) B23Q 39/02
B23C 3/00
B24B 19/00
B23P 6/00
B23D 79/02
E01B 31/00
(11) EP3363589
(21) EP18156255.4
(47) 07.08.2019
(22) 12.02.2018
(54) RAIL PROCESSING DEVICE AND METHOD
(73) S.P.D. S.p.A.
(72) FILOSA, Giuseppe
COSMAI, Giovanni
CIPOLLA, Matteo
(31) 201700018277
(32) 17.02.2017
(33) Italy

(51) B23Q 39/04
B23Q 7/14
(11) EP3296059
(21) EP17191231.4
(47) 07.08.2019
(22) 15.09.2017
(54) PALLET CHANGER AND METHOD FOR MACHINING PLATE-FORMED MATERIAL ARRANGED ON A MOVABLE PALLET
(73) Trumpf Werkzeugmaschinen GmbH + Co. KG
(72) Schmauder, Frank
(31) 102016117681
(32) 20.09.2016
(33) Germany

(51) B24B 3/60
B23F 5/16
B24B 3/34
B23F 21/04
(11) EP2891539
(21) EP13833673.0
(47) 07.08.2019
(87) JP2013072302
06.03.2014
(22) 21.08.2013
(54) GRINDING METHOD FOR SKIVING CUTTER AND GRINDING DEVICE FOR SKIVING CUTTER
(73) Aisin Seiki Kabushiki Kaisha
(72) NAGATA, Eiri
(31) 2012190366
(32) 30.08.2012
(33) Japan

(51) B24B 15/02
F02M 61/18
F02M 61/16
(11) EP3319755
(21) EP16733573.6
(47) 07.08.2019
(87) EP2016065322
12.01.2017
(22) 30.06.2016
(54) NOZZLE TIP MANUFACTURING
(73) Delphi Technologies IP Limited
(72) LACOTTE, Matthieu
MALIGNE, David
(31) 201511767
(32) 06.07.2015
(33) United Kingdom

(51) B24D 18/00
B24D 3/06
B24D 3/04
C09K 3/14
(11) EP2385889
(21) EP09836639.6
(47) 07.08.2019
(87) US2009066199
08.07.2010
(22) 01.12.2009
(54) SHAPED ABRASIVE PARTICLES WITH AN OPENING
(73) 3M Innovative Properties Company
(72) ERICKSON, Dwight D.
CULLER, Scott R.
ADEFRIS, Negus B.
BODEN, John T.
HAAS, John D.
(31) 337112
(32) 17.12.2008
(33) United States of America

(51) B25B 13/00
B25G 1/00
B25B 13/48
B25B 13/50
B25B 23/18
(11) EP2911828
(21) EP13848146.0
(47) 07.08.2019
(87) US2013066760
01.05.2014
(22) 25.10.2013
(54) BASIN WRENCH
(73) Ridge Tool Company
(72) CHARTIER, Glen R. Chartier
KRONDORFER, Harald
ENGLERT, Robert
(31) 201261719058 P
(32) 26.10.2012
(33) United States of America

(51) B25B 21/02
B25B 23/147
(11) EP3391999
(21) EP18166841.9
(47) 07.08.2019
(22) 11.04.2018
(54) ROTARY IMPACT TOOL
(73) Makita Corporation
(72) OSADA, Takaaki
YAMAMOTO, Hirokatsu
ISHIKAWA, Goshi
SHIMA, Kunihisa
(31) 2017081412
(32) 17.04.2017
(33) Japan

(51) B25B 23/147
B25B 21/00
B25B 23/00
(11) EP2440372
(21) EP10786464.7
(47) 07.08.2019
(87) SE2010050656
16.12.2010
(22) 11.06.2010
(54) PORTABLE POWER WRENCH WITH A GEAR CASING AND A PARAMETER SENSING DEVICE
(73) Atlas Copco Industrial Technique AB
(72) ELSMARK, Karl Johan Lars
(31) 0900795
(32) 11.06.2009
(33) Sweden

(51) B25C 5/02
B25C 5/11
B25C 5/16
B27F 7/19
(11) EP3195985
(21) EP17000347.9
(47) 07.08.2019
(22) 12.12.2013
(54) STAPLER
(73) Max Co., Ltd.
(72) Kato, Yutaka
Miwa, Suguru
(31) 2012271444
(32) 12.12.2012
(33) Japan

(51) B25C 5/02
B27F 7/19
B25C 5/11
(11) EP3147083
(21) EP16002050.9
(47) 07.08.2019
(22) 22.09.2016
(54) STAPLER
(73) MAX CO., LTD.
(72) Takahashi, Hiroaki
Kato, Yutaka
(31) 2015186560
(32) 24.09.2015
(33) Japan

(51) B25H 1/00
B66D 1/08
(11) EP3315266
(21) EP17193802.0
(47) 07.08.2019
(22) 28.09.2017
(54) BALANCER
(73) Carl Stahl Kromer GmbH
(72) Steinle, Thomas
(31) 102016120564
(32) 27.10.2016
(33) Germany

(51) B25H 3/02
(11) EP3141353
(21) EP16184445.1
(47) 07.08.2019
(22) 17.08.2016
(54) ADAPTER DEVICE FOR RECEIVING BODY OF DIFFERENT SIZES
(73) Würth International AG
(72) HOHL, Wolfgang
(31) 102015113590
(32) 17.08.2015

(33) Germany

(51) B25J 9/00
B25J 13/08
(11) EP3366430
(21) EP17157443.7
(47) 07.08.2019
(22) 22.02.2017
(54) CONVEYOR DEVICE FOR CONVEYING OBJECTS AND/OR PERSONS
(73) SICK STEGMANN GmbH
(72) Sellmer, Christian

(51) B25J 9/00
B25J 13/08
(11) EP3366431
(21) EP18154755.5
(47) 07.08.2019
(22) 01.02.2018
(54) CONVEYOR DEVICE FOR CONVEYING OBJECTS AND/OR PERSONS
(73) SICK STEGMANN GmbH
(72) Sellmer, Christian
(31) 17157443
(32) 22.02.2017
(33) European Patent Office (EPO)

(51) B25J 9/16
B29L 31/34
B29C 65/58
B29C 65/78
B29C 65/00
B29C 45/00
(11) EP2242622
(21) EP09707654.1
(47) 07.08.2019
(87) EP2009000791
13.08.2009
(22) 05.02.2009
(54) METHOD AND DEVICE FOR CONNECTING MOULDED PIECES
(73) ABB AG
(72) MATTHIAS, Björn
WALDI, Wolfgang
SOETEBIER, Sven
(31) 102008008417
(32) 09.02.2008
(33) Germany

(51) B25J 17/02
B25J 15/00
(11) EP3296070
(21) EP17187877.0
(47) 07.08.2019
(22) 25.08.2017
(54) GRIPPER FOR A ROBOT
(73) E. Braun GmbH Entwicklung und Vertrieb von technischem Zubehör
(72) BRAUN, Andreas
SCHNEIDER, Jörg
(31) 102016216853
(32) 06.09.2016
(33) Germany

(51) B25J 17/02
B25J 21/00
B08B 3/02
B08B 13/00
(11) EP3272476
(21) EP17176885.6
(47) 07.08.2019
(22) 20.06.2017
(54) FEEDING DEVICE
(73) Sugino Machine Limited
(72) Kawamori, Yoshiteru
Mitsue, Toyoaki
(31) 2016144003
(32) 22.07.2016
(33) Japan

(51) B26B 5/00
(11) EP3213888
(21) EP16158477.6
(47) 07.08.2019
(22) 03.03.2016
(54) SNAP-OFF BLADE DISPENSER SYSTEM
(73) Hultafors Group AB
(72) GOLOVLEV, Nikita
ENVALL, Daniel

(51) B26B 21/40
(11) EP2493666
(21) EP10828915.8
(47) 07.08.2019
(87) US2010054359
12.05.2011
(22) 27.10.2010
(54) SCRUBBING RAZOR
(73) Harris II, John Robert
(72) Harris II, John Robert
(31) 607850
(32) 28.10.2009
(33) United States of America

(51) B26B 21/56
B21D 53/64
(11) EP3318374
(21) EP16197630.3
(47) 07.08.2019
(22) 07.11.2016
(54) BENT RAZOR BLADES AND MANUFACTURING OF SUCH RAZOR BLADES
(73) The Gillette Company
(72) HAN, Wei
MARZIARZ, John Lawrence
XU, Ming Laura

(51) B26D 1/01
B25J 5/00
B26D 7/01
B25J 15/00
B26D 1/12
B65G 47/90
(11) EP3224005
(21) EP15794856.3
(47) 07.08.2019
(87) EP2015075580
02.06.2016
(22) 03.11.2015
(54) HIGH OUTPUT SLICER WITH GRIPPER THROUGH MATERIAL CONNECTION
(73) GEA Food Solutions Germany GmbH
(72) KELLER, Markus
(31) 102014224005
(32) 25.11.2014
(33) Germany

(51) B26D 5/08
B26D 5/12
B26D 7/08
(11) EP3126108
(21) EP15712174.0
(47) 07.08.2019
(87) EP2015056724
08.10.2015
(22) 27.03.2015
(54) DEVICE WITH A BLADE FOR PROCESSING A PROCESS MATERIAL
(73) A O Schallinox GmbH
(72) CARRASCO, César
(31) 14163264
(32) 02.04.2014
(33) European Patent Office (EPO)

(51) B27K 3/34
B27K 7/00
B27K 9/00
C08K 3/38
C08L 71/14
D21H 17/53
D21H 17/70
C08L 97/02
B27K 3/02
(11) EP3129199
(21) EP15776406.9
(47) 07.08.2019
(87) CN2015075713
15.10.2015
(22) 01.04.2015
(54) CHEMICALLY MODIFIED WOOD AND NON-WOOD PRODUCTS AND METHODS FOR THE PRODUCTION THEREOF
(73) Hermescec, Branko
Ling Ling, Zhang
(72) Hermescec, Branko
Ling Ling, Zhang
(31) PCT/CN2014/075206
(32) 11.04.2014
(33) World Intellectual Property Office (WIPO)

(51) B29B 7/40
B29B 7/60
B29B 7/74
B29B 7/82
(11) EP3317060
(21) EP16740939.0
(47) 07.08.2019
(87) AT2016050227
12.01.2017
(22) 24.06.2016
(54) MIXING DEVICE FOR MIXING A LIQUID POLYMERIC COMPONENT WITH A GAS
(73) Sonderhoff Engineering GmbH
(72) METZLER, Mario
(31) 4332015
(32) 03.07.2015
(33) Austria

(51) B29B 15/12
B29C 70/50
B29K 101/12
(11) EP3105025
(21) EP15709241.2
(47) 07.08.2019
(87) FR2015050331
20.08.2015
(22) 11.02.2015
(54) METHOD OF PRODUCING A FIBROUS MATERIAL PRE-IMPREGNATED WITH THERMOPLASTIC POLYMER IN A FLUID BED
(73) Arkema France

(72) GAILLARD, Patrice
HOCHSTETTER, Gilles
SAVART, Thibaut
(31) 1451137
(32) 13.02.2014
(33) France

(51) B29C 31/04
B29B 11/08
B29C 43/34
B29C 43/08
B29C 45/04
B29C 45/22
B29K 67/00
B29L 31/00
(11) EP3302911
(21) EP16734422.5
(47) 07.08.2019
(87) FR2016051350
15.12.2016
(22) 07.06.2016
(54) DEVICE FOR DISTRIBUTING THERMOPLASTIC MATERIAL, COMPRISING IMPROVED SEALING MEANS
(73) Sidel Participations
(72) DUCLOS, Yves-Alban
CARDINE, Denis
LAMARE, Olivier
(31) 1555203
(32) 08.06.2015
(33) France

(51) B29C 33/02
B29C 35/02
B60C 11/00
B29D 30/06
(11) EP3130439
(21) EP15777251.8
(47) 07.08.2019
(87) JP2015061315
15.10.2015
(22) 13.04.2015
(54) MOLD FOR RUBBER ARTICLE, METHOD FOR PRODUCING TIRE, AND TIRE
(73) Bridgestone Corporation
(72) HIRAKI, Shunsuke
(31) 2014081696
2015079755
(32) 11.04.2014
09.04.2015
(33) Japan
Japan

(51) B29C 33/38
B29K 309/08
B29C 41/38
C08L 77/00
C08L 77/10
B29C 33/40
B29C 41/14
C08G 69/26
C08K 7/14
C08L 77/06
(11) EP3233406
(21) EP15817224.7
(47) 07.08.2019
(87) EP2015080235
23.06.2016
(22) 17.12.2015
(54) PLASTIC MATERIAL FOR INDUSTRIAL FORMER
(73) DSM IP Assets B.V.
(72) JANSSEN, Pim Gerard Anton
KULKARNI, Arun Anantrao
DULLAERT, Konraad Albert Louise Hector
(31) 14198536
(32) 17.12.2014
(33) European Patent Office (EPO)

(51) B29C 39/24
B29C 39/10
B29K 105/06
B29C 70/54
(11) EP2679372
(21) EP12749717.0
(47) 07.08.2019
(87) JP2012054033
30.08.2012
(22) 21.02.2012
(54) METHOD FOR PRODUCING FRP
(73) Toray Industries, Inc.
(72) YAMAMOTO Kohnosuke
TSUJI Seiji
WATANABE Kazuya
(31) 2011039842
2011040626
(32) 25.02.2011
25.02.2011
(33) Japan
Japan

(51) B29C 43/40
B29C 45/14
B26F 1/02
B26F 1/40
B29C 69/00
B29L 31/30
B29K 105/12
B29K 23/00
B29K 311/00
B26F 1/44
B26D 7/18
(11) EP3222399
(21) EP16161875.6
(47) 07.08.2019
(22) 23.03.2016
(54) DEVICE AND METHOD FOR PRODUCING A PRESS-MOULDED PART HAVING AT LEAST ONE PERFORATION
(73) SMP Deutschland GmbH
(72) Pignard, Pierre

(51) B29C 44/18
B62D 29/00
B60R 13/08
B29L 31/30
B29K 677/00
B29K 705/00
B29K 63/00
(11) EP1731284
(21) EP06011591.2
(47) 07.08.2019
(22) 06.06.2006
(54) Noise reduction member and system
(73) Zephyros Inc.
(72) Vilcek, Merk J
Zdrojewski, Steve
(31) 688255 P
(32) 07.06.2005
(33) United States of America

(51) B29C 44/36
B29C 44/44
F16J 9/08
F16J 15/48
B29K 105/04
(11) EP3290179
(21) EP17187113.0
(47) 07.08.2019
(22) 21.08.2017
(54) DEVICE FOR FILLING A MOULD
(73) Thorsten, Michel
Erlenbach, Nico
(72) Thorsten, Michel
Erlenbach, Nico
(31) 102016116102
(32) 30.08.2016
(33) Germany

(51) B29C 45/02
B29C 45/53
(11) EP3332939
(21) EP16202893.0
(47) 07.08.2019
(22) 08.12.2016
(54) A DIRECT INJECTION MOLDING APPARATUS AND A METHOD OF INJECTION MOLDING
(73) FTDK Holding ApS
(72) JØRGENSEN, Henrik

(51) B29C 45/14
B29C 45/16
G06K 19/077
G06K 19/02
B42D 25/00
B29L 17/00
(11) EP2571666
(21) EP11721753.9
(47) 07.08.2019
(87) EP2011057990
24.11.2011
(22) 17.05.2011
(54) METHOD FOR THE PRODUCTION OF AN INLAY FOR A VALUE AND/OR SECURITY DOCUMENT
(73) Bundesdruckerei GmbH
(72) ANTONCZIK, Boris
KRÜGER, Per
EHREKE, Jens
SIEBERT, Martin
KNEBEL, Michael
LÖWE, Reinhard
VON CZAPIEWSKI, Christoph
(31) 102010020969
(32) 19.05.2010
(33) Germany

(51) B29C 45/16
(11) EP3237170
(21) EP16703690.4
(47) 07.08.2019
(87) US2016015024
11.08.2016
(22) 27.01.2016
(54) SYSTEM AND METHOD FOR FORMING AN ORAL CARE IMPLEMENT
(73) Colgate-Palmolive Company
(72) SORRENTINO, Alan
NELSON, Stephen
(31) 201514611879
(32) 02.02.2015

(33) United States of America

(51) B29C 45/16
B60J 10/00
B60J 10/16
(11) EP3243629
(21) EP17174812.2
(47) 07.08.2019
(22) 10.09.2015
(54) POSITIONING METHOD FOR SEALING SECTIONS
(73) Stefan Pfaff Werkzeug- und Formenbau GmbH Co KG
(72) Sutter, Anton
(31) 15167615
(32) 13.05.2015
(33) European Patent Office (EPO)

(51) B29C 45/17
B29C 45/76
(11) EP3315281
(21) EP17198796.9
(47) 07.08.2019
(22) 27.10.2017
(54) SORTING DEVICE FOR INJECTION MOLDING PRODUCT AND INJECTION MOLDING SYSTEM
(73) Sumitomo Heavy Industries, Ltd.
(72) ISHII, Yoshihisa
SAWAYA, Atsushi
(31) 2016213819
(32) 31.10.2016
(33) Japan

(51) B29C 45/20
B22C 7/02
B29C 67/24
(11) EP3366446
(21) EP15906676.0
(47) 07.08.2019
(87) JP2015079741
27.04.2017
(22) 21.10.2015
(54) WAX INJECTION MOLDING MACHINE AND INJECTION NOZZLE USED IN LOST-WAX CASTING
(73) Eishin Technology Co., Ltd
(72) KUBO, Chikanari

(51) B29C 45/23
B29C 45/28
F16K 25/00
(11) EP3317071
(21) EP16740936.6
(47) 07.08.2019
(87) AT2016050224
12.01.2017
(22) 24.06.2016
(54) VALVE MECHANISM FOR AT LEAST ONE LIQUID PLASTIC COMPONENT
(73) Sonderhoff Engineering GmbH
(72) SCHWABL, Christian
METZLER, Mario
(31) 4312015
(32) 03.07.2015
(33) Austria

(51) B29C 45/27
B29C 33/00
(11) EP2952323
(21) EP15167317.5
(47) 07.08.2019
(22) 12.05.2015
(54) INJECTION MOULDING SYSTEM
(73) CEMA Technologies
(72) Bouilloud, Marc
Fillette, Pierre-Olivier
(31) 1455113
(32) 05.06.2014
(33) France

(51) B29C 45/28
B29C 45/72
(11) EP3247546
(21) EP16713646.4
(47) 07.08.2019
(87) US2016018042
29.09.2016
(22) 16.02.2016
(54) ACTUATOR COOLING APPARATUS AND METHOD
(73) Synventive Molding Solutions, Inc.
(72) GALATI, Vito
TAN, Zhuang Rui
(31) 201562135871 P
201562154320 P
201562170937 P
201562192815 P
(32) 20.03.2015
29.04.2015
04.06.2015
15.07.2015
(33) United States of America
United States of America
United States of America
United States of America

(51) B29C 45/28
F16K 31/06
(11) EP3221115
(21) EP15805672.1
(47) 07.08.2019
(87) US2015061550
26.05.2016
(22) 19.11.2015
(54) VALVE SYSTEM IN AN INJECTION MOLDING SYSTEM
(73) Synventive Molding Solutions, Inc.
(72) GALATI, Vito
TAN, Zhuang Rui
(31) 201462082837 P
(32) 21.11.2014
(33) United States of America

(51) B29C 45/44
B29C 33/44
(11) EP3156203
(21) EP14894913.4
(47) 07.08.2019
(87) JP2014065862
23.12.2015
(22) 16.06.2014
(54) RELEASE ASSISTANCE DEVICE FOR MOLDED ARTICLE
(73) Ecovent Kabushiki Kaisha
(72) SAITO, Teruhiko

(51) B29C 45/57
B29C 45/56
B29K 105/00
(11) EP2483050
(21) EP10759905.2
(47) 07.08.2019
(87) EP2010064525
07.04.2011
(22) 30.09.2010
(54) INJECTION MOULDING METHOD
(73) Gr8 Engineering Limited
(72) Clarke, Peter Reginald
(31) 0917173
(32) 30.09.2009
(33) United Kingdom

(51) B29C 45/73
B29C 35/00
(11) EP3311974
(21) EP17196840.7
(47) 07.08.2019
(22) 17.10.2017
(54) ASSEMBLY FOR HEAT EXCHANGE AND/OR CONTROL OF THE TEMPERATURE OF MACHINE COMPONENTS
(73) Arburg GmbH + Co KG
(72) Dr. Duffner, Eberhardt
Bletscher, Rainer
Fest, Walter
(31) 102016119843
(32) 18.10.2016
(33) Germany

(51) B29C 48/08
B29C 48/21
B29C 48/71
B29C 48/88
B29C 48/92
B29C 48/49
(11) EP3148771
(21) EP15728323.5
(47) 07.08.2019
(87) US2015032586
03.12.2015
(22) 27.05.2015
(54) PROCESS FOR PRODUCING MULTILAYER FILM
(73) Dow Global Technologies LLC
(72) LEE, Patrick Chang Dong
DOOLEY, Joseph
JENKINS, Steven, R.
KIRKPATRICK, Donald, E.
WRISLEY, Robert, E.
(31) 201462003192 P
(32) 27.05.2014
(33) United States of America

(51) B29C 49/46
B29C 49/06
B29C 49/36
B29K 67/00
B29L 31/00
(11) EP3490781
(21) EP18749135.2
(47) 07.08.2019
(87) IB2018054850
07.02.2019
(22) 29.06.2018
(54) APPARATUS FOR MANUFACTURING STERILE CONTAINERS, BOTTLING PLANT COMPRISING SAID APPARATUS AND METHOD FOR MANUFACTURING A STERILE CONTAINER
(73) Gea Procomac S.p.A.
(72) ABELLI, Paolo
ANTIGA, Simone
(31) 201700089679

(32) 03.08.2017
(33) Italy

(51) B29C 49/64
B29C 49/06
B29K 67/00
B29L 31/00
(11) EP3313643
(21) EP16741353.3
(47) 07.08.2019
(87) FR2016051526
29.12.2016
(22) 22.06.2016
(54) HYBRID MICROWAVE AND INFRARED PROCESS FOR HEATING CONTAINER PARISONS
(73) Sidel Participations
(72) DUCLOS, Yves-Alban
FEVRE, Sébastien
LECOMTE, Frederic
(31) 1555953
(32) 26.06.2015
(33) France

(51) B29C 51/00
(11) EP2952329
(21) EP15168567.4
(47) 07.08.2019
(22) 21.05.2015
(54) METHOD FOR PRODUCING A DRAWER FRAME AND DRAWER FRAME
(73) Grass GmbH
(72) Stellberger, Thomas
(31) 102014107801
(32) 03.06.2014
(33) Germany

(51) B29C 53/04
B29B 11/16
B29C 39/10
B29C 63/04
(11) EP3348378
(21) EP15903583.1
(47) 07.08.2019
(87) JP2015075647
16.03.2017
(22) 09.09.2015
(54) COMPOSITE MATERIAL PRODUCTION METHOD, COMPOSITE MATERIAL PRODUCTION DEVICE, PREFORM FOR COMPOSITE MATERIAL, AND COMPOSITE MATERIAL
(73) Nissan Motor Co., Ltd.
(72) KURODA, Shinichi

(51) B29C 64/112
B33Y 10/00
B33Y 30/00
B33Y 80/00
B41J 3/407
C12M 1/00
C12M 1/26
C12M 3/00
C12N 5/00
(11) EP2838985
(21) EP13778583.8
(47) 07.08.2019
(87) US2013036479
24.10.2013
(22) 12.04.2013
(54) DEVICES, SYSTEMS, AND METHODS FOR THE FABRICATION OF TISSUE UTILIZING UV CROSS-LINKING
(73) Organovo, Inc.
(72) MURPHY, Keith
DORFMAN, Scott
LAW, Richard, Jin
GORGEN, Vivian, Anne
(31) 201261636442 P
201313794368
(32) 20.04.2012
11.03.2013
(33) United States of America
United States of America

(51) B29C 64/118
B33Y 30/00
(11) EP3068609
(21) EP14862311.9
(47) 07.08.2019
(87) US2014064813
21.05.2015
(22) 10.11.2014
(54) THREE-DIMENSIONAL PRINTER TOOL SYSTEMS
(73) Makerbot Industries, LLC
(72) SCHMEHL, Peter, Joseph
KEMPERLE, Aljosa
SCHMEHL, Stewart
TUZMAN, David, R.
(31) 201314081922
(32) 15.11.2013
(33) United States of America

(51) B29C 64/124
B33Y 10/00
B33Y 30/00
B29C 64/241
B29C 64/236
B29C 64/264
(11) EP2786859
(21) EP14172357.7
(47) 07.08.2019
(22) 27.06.2012
(54) Apparatus for forming three-dimensional objects using linear solidification
(73) Global Filtration Systems, A DBA of Gulf Filtration Systems Inc.
(72) El-Siblani, Ali
Shkolnik, Alexandr
(31) 201161502020 P
201261598666 P
(32) 28.06.2011
14.02.2012
(33) United States of America
United States of America

(51) B29C 64/147
B29C 64/393
(11) EP3254827
(21) EP17174119.2
(47) 07.08.2019
(22) 01.06.2017
(54) ELECTROSTATIC 3-D PRINTER CONTROLLING LAYER TOPOGRAPHY USING AEROSOL APPLICATOR
(73) Xerox Corporation
(72) NOWAK, William J.
ALVAREZ, Jorge A.
CLARK, Robert A.
ZONA, Michael F.
LIU, Chu-heng
MCCONVILLE, Paul J.
(31) 201615173777
(32) 06.06.2016
(33) United States of America

(51) B29C 64/165
B29C 64/255
B29C 64/321
B33Y 30/00
B33Y 40/00
(11) EP3427923
(21) EP17187223.7
(47) 07.08.2019
(22) 22.08.2017
(54) 3D PRINTER
(73) Kinpo Electronics, Inc.
XYZprinting, Inc.
(72) CHAO, Yi-Yi
HU, Chih-Chieh
(31) 201710571108
(32) 13.07.2017
(33) China

(51) B29C 64/245
B29C 64/295
B33Y 30/00
(11) EP3415300
(21) EP18175589.3
(47) 07.08.2019
(22) 01.06.2018
(54) PRINTBEDS, 3D-PRINTERS, METHODS AND COMPUTER PROGRAMS FOR REGULATION OF A TEMPERATURE OF A PRINTBED
(73) Cellink AB
(72) GATENHOLM, Erik
MARTINEZ, Hector
SVANBERG, Jockum
STERNÅ, Erik
(31) 201762520802 P
(32) 16.06.2017
(33) United States of America

(51) B29C 65/08
A61F 13/15
A61F 13/49
A61F 13/496
B29C 65/78
B29L 31/48
(11) EP2990180
(21) EP14810635.4
(47) 07.08.2019
(87) JP2014065808
18.12.2014
(22) 13.06.2014
(54) ULTRASONIC WELDING DEVICE AND METHOD OF PRODUCING DISPOSABLE DIAPER USING SAME
(73) Zuiko Corporation
(72) FUJITA, Yukihiko
NAKAMURA, Hideyuki
(31) 2013125943
(32) 14.06.2013
(33) Japan

(51) B29C 65/08
A61F 13/15
A61F 13/49
B29C 65/78
B29L 31/48
(11) EP2990179

(21) EP14810125.6
(47) 07.08.2019
(87) JP2014065807
18.12.2014
(22) 13.06.2014
(54) ANVIL ROLLER AND ULTRASONIC WELDING DEVICE PROVIDED THEREWITH
(73) Zuiko Corporation
(72) FUJITA, Yukihiko
NAKAMURA, Hideyuki
(31) 2013125942
(32) 14.06.2013
(33) Japan

(51) B29C 65/08
B29C 65/14
B29C 65/00
(11) EP3079882
(21) EP13811768.4
(47) 07.08.2019
(87) CH2013000223
18.06.2015
(22) 13.12.2013
(54) METHOD FOR REINFORCING AND/OR LINING MATERIAL
(73) WoodWelding AG
(72) MAYER, Jörg

(51) B29C 65/16
(11) EP3365151
(21) EP16794503.9
(47) 07.08.2019
(87) DE2016100481
27.04.2017
(22) 14.10.2016
(54) WELDED ASSEMBLY AND PROCESS FOR MANUFACTURING A WELDED ASSEMBLY
(73) JENOPTIK Automatisierungstechnik GmbH
(72) KRÄMER, Wilfried
BÜCHEL, Andreas
(31) 102015118035
(32) 22.10.2015
(33) Germany

(51) B29C 65/16
B29C 65/00
B29L 31/00
B32B 37/00
B32B 37/04
B32B 37/06
B32B 37/18
B32B 37/24
B29K 101/12
B32B 38/00
B32B 38/18
(11) EP2923821
(21) EP15161007.8
(47) 07.08.2019
(22) 26.03.2015
(54) METHOD FOR DIRECT INFRARED LASER WELDING
(73) Sogefi Engine Systems USA, Inc.
(72) Thompson, Stephen
Maudet, Yannis
Soeiro, Nuno Demetrio
(31) 201414228347
(32) 28.03.2014
(33) United States of America

(51) B29C 65/18
B29C 65/74
A61J 1/10
(11) EP3212381
(21) EP16729565.8
(47) 07.08.2019
(87) EP2016063736
22.12.2016
(22) 15.06.2016
(54) DEVICE AND METHOD FOR MANUFACTURING PLASTIC BAGS
(73) Plümat Plate & Lübeck GmbH & Co.
(72) PULLER, Stefan
LÜBECK, Frank
PLATE, Sven-David
(31) 102015109499
(32) 15.06.2015
(33) Germany

(51) B29C 65/18
B65B 7/28
B65B 51/10
B65B 51/14
B65D 1/26
B65D 77/20
A47G 19/22
(11) EP3157733
(21) EP15736555.2
(47) 07.08.2019
(87) FR2015051598
23.12.2015
(22) 16.06.2015
(54) METHOD AND DEVICE FOR HEAT-SEALING A LID ONTO THE RIM OF A GLASS
(73) 1/4 Vin
(72) CARVIN, Pascal
MURA, Christian
(31) 1401368
(32) 17.06.2014
(33) France

(51) B29C 65/48
B29C 65/78
F03D 1/06
F03D 13/10
B29C 65/02
B29L 31/08
B29C 65/52
(11) EP2729295
(21) EP12726426.5
(47) 07.08.2019
(87) EP2012060667
10.01.2013
(22) 06.06.2012
(54) ADHESIVE DEVICE FOR CONSTRUCTING SEGMENTED ROTOR BLADES
(73) Carbon Rotec GmbH & Co. KG
(72) DÄNEKAS, Kai
WEIGEL, Lars
DREWES, Marcus
(31) 102011078804
(32) 07.07.2011
(33) Germany

(51) B29C 67/00
B29C 35/08
A61C 13/00
(11) EP3322574
(21) EP16741280.8
(47) 07.08.2019
(87) EP2016066794
19.01.2017
(22) 14.07.2016
(54) METHOD AND APPARATUS FOR FORMING THIN LAYERS OF SLURRIES FOR ADDITIVE MANUFACTURING
(73) Admatec Europe B.V.
(72) OPSCHOOR, Jan
KOOTER, Johannes Cornelis Maria
BERKEVELD, Louis David
(31) 2015171
(32) 15.07.2015
(33) Netherlands

(51) B29C 69/00
B41J 2/155
B41J 2/14
B41J 2/16
H05K 3/32
H05K 3/40
H05K 1/18
H05K 3/28
(11) EP2961612
(21) EP13876231.5
(47) 07.08.2019
(87) US2013033046
04.09.2014
(22) 20.03.2013
(54) MOLDING A FLUID FLOW STRUCTURE
(73) Hewlett-Packard Development Company, L.P.
(72) CHEN, Chien-Hua
CUMBIE, Michael W.
AGARWAL, Arun K.
(31) PCT/US2013/028207
PCT/US2013/028216
(32) 28.02.2013
28.02.2013
(33) World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)

(51) B29C 70/16
B29B 11/16
B29C 70/10
F02C 7/00
B29K 101/10
B29K 105/08
B29L 23/00
B29C 70/32
B29C 53/56
(11) EP2497625
(21) EP10828337.5
(47) 07.08.2019
(87) JP2010069680
12.05.2011
(22) 05.11.2010
(54) CYLINDRICAL STRUCTURE AND METHOD FOR MANUFACTURING THE SAME
(73) IHI Corporation
IHI Aerospace Co., Ltd.
(72) HARADA, Takashi
SHIGENARI, Yu
MIYASHITA, Masayori
MURAKAMI, Tsutomu
TANAKA, Agamu
(31) 2009255303
(32) 06.11.2009
(33) Japan

(51) B29C 70/30

B29C 70/54
B29C 70/22
(11) EP1946912
(21) EP08150385.6
(47) 07.08.2019
(22) 17.01.2008
(54) Method for producing a manufactured article made of composite material, a manufactured article thus obtained and an edge strip
(73) DELTA - TECH S.p.A.
Montanari, Italo
(72) Montanari, Italo
Nieri, Paolo
(31) BO20070022
(32) 18.01.2007
(33) Italy

(51) B29C 70/34
B29C 70/46
B29B 11/16
B29C 53/04
B29L 31/44
B29L 22/00
B29K 105/06
B29C 70/06
B29K 105/00
B29C 45/00
B29C 51/00
B29K 101/12
B29C 51/20
B29C 51/30
(11) EP2780155
(21) EP12766399.5
(47) 07.08.2019
(87) EP2012067953
23.05.2013
(22) 13.09.2012
(54) METHOD FOR PRODUCING A STRUCTURAL COMPONENT, DEVICE FOR CARRYING OUT THE METHOD AND STRUCTURAL COMPONENT
(73) Adient Luxembourg Holding S.à r.l.
(72) FLOCK, Dustin
MEIER, Bernd
(31) 102011086601
102012202620
(32) 17.11.2011
21.02.2012
(33) Germany
Germany

(51) B29C 70/44
(11) EP3296088
(21) EP17191117.5
(47) 07.08.2019
(22) 14.09.2017
(54) METHOD AND INFUSION APPARATUS FOR PRODUCING BODIES MADE OF A REINFORCED COMPOSITE MATERIAL
(73) Afros S.p.A.
(72) Volpato, Marco
Bonansea, Alberto
(31) 201600093472
(32) 16.09.2016
(33) Italy

(51) B29C 70/68
B29D 99/00
F03D 1/06
B29L 31/08
B29K 105/08
B29C 70/34
B29K 63/00
B29K 309/08
F03D 13/10
(11) EP2855130
(21) EP13725562.6
(47) 07.08.2019
(87) DK2013050161
05.12.2013
(22) 28.05.2013
(54) MANUFACTURE OF WIND TURBINE BLADES
(73) Vestas Wind Systems A/S
(72) RANDALL, Stephen
(31) 201270291
201261653451 P
(32) 31.05.2012
31.05.2012
(33) Denmark
United States of America

(51) B29C 73/16
B29L 30/00
(11) EP3317086
(21) EP16736574.1
(47) 07.08.2019
(87) GB2016051957
05.01.2017
(22) 30.06.2016
(54) TIRE SEALER SYSTEM AND METHOD
(73) Holt Lloyd International Limited
(72) ELLIS, Bruce
HITCHMAN, Richard
(31) 201511468
(32) 30.06.2015
(33) United Kingdom

(51) B29D 19/08
D01D 4/02
(11) EP2909017
(21) EP13847097.6
(47) 07.08.2019
(87) US2013064196
24.04.2014
(22) 10.10.2013
(54) MULTI-ZONE SPINNERET, APPARATUS AND METHOD FOR MAKING FILAMENTS AND NONWOVEN FABRICS THEREFROM
(73) AVINTIV Specialty Materials Inc.
(72) DIAZ DE LEON IZQUIERDO, Sergio, Rafael
ALABART, Marcal, Bargallo
STREET, John, Arthur
STEFFEN, John, F.
MOODY, Ralph, A.
(31) 201213652740
(32) 16.10.2012
(33) United States of America

(51) B29D 23/00
B29C 69/00
B29C 65/48
B29C 48/00
B29C 48/21
B32B 1/08
B32B 25/00
B32B 27/00
F16L 11/04
F16L 33/01
A61M 39/00
A61M 39/10
B29C 65/00
B29C 65/14
B29L 9/00
B29L 23/00
A61M 39/08
B32B 27/08
B32B 27/18
B32B 27/30
(11) EP2976215
(21) EP14726799.1
(47) 07.08.2019
(87) US2014031011
25.09.2014
(22) 18.03.2014
(54) METHOD OF COAXIALLY BONDING A POLYMERIC TUBE TO A PREFABRICATED TUBULAR BODY AND BONDED TUBULAR ASSEMBLY
(73) Tekni-Plex, Inc.
(72) BOURGEOIS, Philip
SHAH, Munish
(31) 201313848889
(32) 22.03.2013
(33) United States of America

(51) B29D 30/06
(11) EP3393775
(21) EP16805085.4
(47) 07.08.2019
(87) EP2016079295
29.06.2017
(22) 30.11.2016
(54) SELF-LOCKING MOLD FOR MOLDING AND VULCANIZING A TIRE AND METHOD OF VULCANIZING A TIRE USING SAID MOLD
(73) Compagnie Générale des Etablissements Michelin
(72) JOLAIN, Florent
OTTAIANO, Tommaso
APERCE, Jean-Claude
FERRIERE, Florian
(31) 1562931
(32) 21.12.2015
(33) France

(51) B29D 30/06
B29C 33/30
B29C 33/42
B29D 30/72
B60C 13/00
B29K 105/00
(11) EP3030409
(21) EP14752919.2
(47) 07.08.2019
(87) IB2014001223
12.02.2015
(22) 26.06.2014
(54) TIRE MOULD COMPRISING A MULTIPLE-PART ANNULAR INSERT
(73) Compagnie Générale des Etablissements Michelin
(72) VILLENEUVE, Bernard
GOMET, Christian
(31) 1301878
(32) 05.08.2013
(33) France

(51) B29D 30/06
B29C 33/38

B29C 35/02
B29C 33/10
B29C 33/04
B29C 33/02
B29C 64/153
B33Y 80/00
(11) EP3308926
(21) EP16807480.5
(47) 07.08.2019
(87) JP2016066950
15.12.2016
(22) 07.06.2016
(54) MOLD FOR RUBBER ARTICLE
(73) Bridgestone Corporation
(72) HIRAKI, Shunsuke
(31) 2015116927
(32) 09.06.2015
(33) Japan

(51) B29D 30/38
B29D 30/16
B60C 5/00
B60C 9/00
B60C 9/22
B60C 11/00
D07B 1/06
B29B 15/12
(11) EP3315320
(21) EP16817980.2
(47) 07.08.2019
(87) JP2016069311
05.01.2017
(22) 29.06.2016
(54) TIRE AND METHOD FOR MANUFACTURING TIRE
(73) Bridgestone Corporation
(72) NAKAKITA, Yukinori
MACHIDA, Kunio
(31) 2015130176
(32) 29.06.2015
(33) Japan

(51) B29D 99/00
B29C 70/34
B29C 70/54
B29C 70/46
B29L 31/06
B29C 70/38
(11) EP3040191
(21) EP14382583.4
(47) 07.08.2019
(22) 30.12.2014
(54) Method for manufacturing fillers of composite material
(73) Airbus Operations, S.L.
(72) Cruzado Parla, Gabriel
López Fernández, Pablo
Echevarría Hernández, Aitor
Martinez Cerezo, Alberto
Mulas de Lamo, Alberto
Mora Medias, María

(51) B29D 99/00
F03D 1/06
B29C 70/34
B29L 31/08
(11) EP3380313
(21) EP16805277.7
(47) 07.08.2019
(87) DK2016050388
01.06.2017
(22) 23.11.2016
(54) IMPROVEMENTS RELATING TO THE MANUFACTURE OF WIND TURBINE BLADES
(73) Vestas Wind Systems A/S
(72) BECH, Anton
(31) 201570763
(32) 26.11.2015
(33) Denmark

(51) B30B 7/04
B21D 39/04
B30B 11/00
(11) EP3265302
(21) EP16707121.6
(47) 07.08.2019
(87) EP2016054294
09.09.2016
(22) 01.03.2016
(54) RADIAL PRESS
(73) Uniflex-Hydraulik GmbH
(72) JARRASCH, Heidi
BAUMGARTNER, Carsten
(31) 102015002556
(32) 02.03.2015
(33) Germany

(51) B30B 11/08
B30B 15/30
(11) EP3406436
(21) EP17172619.3
(47) 07.08.2019
(22) 24.05.2017
(54) MODULAR FILLING SHOE FOR A ROTARY PRESS
(73) Korsch AG
(72) Klaer, Ingo
Peucker, Robert
Mies, Stephan

(51) B30B 15/00
B30B 3/04
G01K 13/08
D21F 3/08
D21F 3/10
D21G 1/02
G01L 5/00
G01L 5/04
(11) EP3191294
(21) EP15770697.9
(47) 07.08.2019
(87) US2015048863
17.03.2016
(22) 08.09.2015
(54) SUCTION ROLL WITH SENSORS FOR DETECTING OPERATIONAL PARAMETERS
(73) Stowe Woodward Licensco LLC
(72) GUSTAFSON, Eric J.
REAVES III, Samuel H.
MASON, Christopher
(31) 201462049600 P
201562168362 P
201514823460
(32) 12.09.2014
29.05.2015
11.08.2015
(33) United States of America
United States of America
United States of America

(51) B31B 70/88
B31B 150/00
(11) EP2732961
(21) EP13193267.5
(47) 07.08.2019
(22) 18.11.2013
(54) Method and plant for making trash bags
(73) Flexopack Srl
(72) Trimboli, Nicola
(31) GE20120111
(32) 19.11.2012
(33) Italy

(51) B32B 3/08
B32B 3/14
B32B 15/08
B64C 1/06
B64C 1/12
B64C 1/00
(11) EP1495858
(21) EP04015293.6
(47) 07.08.2019
(22) 30.06.2004
(54) LIGHTWEIGHT MATERIAL STRUCTURE MADE OF METAL COMPOSITE MATERIAL
(73) Airbus Operations GmbH
(72) Vichniakov, Alexei
Schmidt, Hans-Jürgen
(31) 10330709
(32) 08.07.2003
(33) Germany

(51) B32B 5/02
B32B 5/26
B32B 27/12
B26D 7/00
B26F 1/38
B32B 37/04
(11) EP3390035
(21) EP16820195.2
(47) 07.08.2019
(87) EP2016080863
22.06.2017
(22) 14.12.2016
(54) SHEET MATERIAL AND PUNCHING TAPE CONTAINING SAME
(73) Habasit AG
(72) LEHMANN, Andreas
TROESCH, Roland
TYLER, Michael
NIEDERBERGER, Markus
HEIMEN, Anton
WHITEHEAD, Brent
WRIGHT, Marshall
(31) 15199830
(32) 14.12.2015
(33) European Patent Office (EPO)

(51) B32B 5/02
B32B 7/12
B32B 27/08
B32B 27/12
B32B 27/16
B32B 27/32
B32B 3/26
B32B 3/30
E04B 1/68
(11) EP3357682
(21) EP18154238.2
(47) 07.08.2019
(22) 30.01.2018

(54) SEALING ELEMENT FOR A BUILDING STRUCTURE AND BUILDING STRUCTURE
(73) Watermann Polyworks GmbH
(72) Watermann, Markus
(31) 202017000549 U
(32) 02.02.2017
(33) Germany

(51) B32B 5/12
F41H 5/04
B32B 5/08
B32B 5/28
(11) EP2512796
(21) EP10793246.9
(47) 07.08.2019
(87) EP2010069939
23.06.2011
(22) 16.12.2010
(54) PROCESS FOR THE MANUFACTURE OF A MULTILAYER MATERIAL SHEET, MULTILAYER MATERIAL SHEET AND USE HEREOF
(73) DSM IP Assets B.V.
(72) PUTTEN VAN, Koen
WILMS, Johannes, Maria, Mathias
VAN KLINKEN, Ernst, Jan
VAN DER WERFF, Harm
NIELABA, Leonard Josef Arnold
MARISSEN, Roelof
(31) 09179673
(32) 17.12.2009
(33) European Patent Office (EPO)

(51) B32B 5/26
A41D 31/02
(11) EP2117827
(21) EP08742026.1
(47) 07.08.2019
(87) US2008002953
12.09.2008
(22) 06.03.2008
(54) BREATHABLE WATERPROOF GARMENT
(73) E. I. du Pont de Nemours and Company
(72) CONLEY, Jill, A.
MARIN, Robert, Anthony
(31) 905284 P
(32) 06.03.2007
(33) United States of America

(51) B32B 7/12
B32B 27/08
B32B 27/10
B32B 27/32
B32B 27/34
B32B 27/36
(11) EP3368302
(21) EP16787819.8
(47) 07.08.2019
(87) EP2016075693
04.05.2017
(22) 25.10.2016
(54) LAMINATED PACKAGING MATERIAL COMPRISING A BARRIER FILM AND PACKAGING CONTAINERS MANUFACTURED THEREFROM
(73) Tetra Laval Holdings & Finance S.A.
(72) LORENZETTI, Cesare
FAYET, Pierre
LARRIEU, Jerome
DENECKER, Celine
(31) PCT/EP2015/192212
(32) 29.10.2015
(33) World Intellectual Property Office (WIPO)

(51) B32B 7/12
B32B 27/36
B65D 51/20
B32B 37/12
B32B 37/20
B32B 38/04
B32B 43/00
B32B 38/14
B32B 38/18
B32B 37/15
B32B 38/00
B65D 53/08
(11) EP2522504
(21) EP12275065.6
(47) 07.08.2019
(22) 10.05.2012
(54) Coloured tabbed container closure liners
(73) Selig Sealing Products, Inc.
(72) Sachs, Victor Martin
Brett, Anthony Maxwell
McLean, Andrew Fenwick
Thornhill, Craig Warren
(31) 201107766
(32) 10.05.2011
(33) United Kingdom

(51) B32B 15/01
C22C 38/02
C22C 38/04
C22C 38/18
C22C 38/38
(11) EP3241675
(21) EP16168453.5
(47) 07.08.2019
(22) 04.05.2016
(54) THREE-LAYER COMPOSITE MATERIAL IN THE FORM OF A SHEET OR RIBBON
(73) voestalpine Stahl GmbH
(72) Etzlstorfer, Christoph
Leitner, Alois
Hackl, Reinhard

(51) B32B 15/08
B32B 15/12
B32B 27/10
B32B 27/18
B32B 27/20
G06K 19/073
(11) EP3001828
(21) EP14845018.2
(47) 07.08.2019
(87) US2014052531
03.03.2016
(22) 25.08.2014
(54) PAPER/ PLASTIC LAMINATE AND ELECTROMAGNETIC SHIELDING MATERIAL
(73) Chase Corporation
(72) SARGEANT, Jeffrey Adams
BOWDEN, Jonathan
GUSTAVESEN, Bradlee W.
KLEI, Harold James
LORDI, James E.
CHASE, Adam

(51) B32B 17/02
(11) EP2674294
(21) EP13170928.9
(47) 07.08.2019
(22) 06.06.2013
(54) Bicomponent Fibers Containing Nano-Filaments For Use In Optically Transparent Composites
(73) The Boeing Company
(72) Wilenski, Mark S.
Kozar, Michael P.
(31) 201213523108
(32) 14.06.2012
(33) United States of America

(51) B32B 17/10
(11) EP2906417
(21) EP13770683.4
(47) 07.08.2019
(87) EP2013070233
24.04.2014
(22) 27.09.2013
(54) PANE WITH HIGH FREQUENCY TRANSMISSION
(73) Saint-Gobain Glass France
(72) ROUSSELET, Noemie
DROSTE, Stefan
BEHMKE, Michael
STELLING, Bernd
(31) 12188534
(32) 15.10.2012
(33) European Patent Office (EPO)

(51) B32B 17/10
B62D 25/06
B60J 1/00
(11) EP2861423
(21) EP13731059.5
(47) 07.08.2019
(87) EP2013062116
27.12.2013
(22) 12.06.2013
(54) VEHICLE ROOF
(73) AGC Glass Europe
(72) LEGRAND, Denis
MEYERS, Michel
(31) 201200412
(32) 19.06.2012
(33) Belgium

(51) B32B 17/10
C09K 21/02
(11) EP2480410
(21) EP10755181.4
(47) 07.08.2019
(87) EP2010063912
31.03.2011
(22) 21.09.2010
(54) LAYER OF FIREPROOF ALKALI SILICATE
(73) AGC Glass Europe
(72) GOELFF, Pierre
(31) 09171359
(32) 25.09.2009
(33) European Patent Office (EPO)

(51) B32B 18/00
C04B 35/571
C04B 35/583
C04B 35/80
(11) EP3061604
(21) EP16156987.6
(47) 07.08.2019
(22) 23.02.2016

(54) CONFORMAL COMPOSITE COATINGS
(73) United Technologies Corporation
(72) SCHMIDT, Wayde
TULYANI, Sonia
(31) 201514629829
(32) 24.02.2015
(33) United States of America

(51) B32B 27/08
B32B 27/34
B32B 7/02
B32B 1/08
B32B 7/12
F16L 11/04
B32B 27/18
B32B 27/22
B32B 27/30
(11) EP3466681
(21) EP18198553.2
(47) 07.08.2019
(22) 04.10.2018
(54) MULTILAYER MATERIAL WITH RESISTANCE TO AGEING AND HOT BURST, FOR HIGH TEMPERATURE AUTOMOTIVE APPLICATIONS
(73) Arkema France
(72) MONTANARI, Thibaut
VERMOGEN, Alexandre
BLONDEL, Philippe
(31) 1759323
(32) 05.10.2017
(33) France

(51) B32B 37/12
B32B 43/00
B29C 63/00
C09J 7/29
B64D 45/02
C08K 3/08
H01B 5/00
(11) EP2810777
(21) EP14162401.5
(47) 07.08.2019
(22) 28.03.2014
(54) HEATING LAYER FOR FILM REMOVAL
(73) The Boeing Company
(72) Kovach, Daniel J.
Georgeson, Gary E.
Miller, Robert J.
Rawlings, Diane C.
(31) 201313911778
(32) 06.06.2013
(33) United States of America

(51) B32B 37/20
B65H 39/16
B65H 39/14
B32B 38/18
B65H 37/04
B65H 35/04
H05K 3/46
B65H 23/188
B26D 5/00
B26D 5/34
B26D 7/32
B26F 1/20
B65H 37/00
B65H 23/032
B65H 29/24
(11) EP2812271
(21) EP13709574.1
(47) 07.08.2019
(87) NL2013050071
15.08.2013
(22) 07.02.2013
(54) A FOIL LAMINATING DEVICE
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) JAMAR, Jacobus Hubertus Theodoor
KAASHOEK, Irene
(31) 12154868
(32) 10.02.2012
(33) European Patent Office (EPO)

(51) B32B 38/00
B32B 38/10
A61F 13/15
B65H 20/06
B65H 45/08
B65H 45/22
B65H 45/28
(11) EP2895126
(21) EP13770551.3
(47) 07.08.2019
(87) US2013058899
20.03.2014
(22) 10.09.2013
(54) METHODS AND APPARATUSES FOR CONVEYING ABSORBENT ARTICLES IN A CONVERTING LINE
(73) The Procter & Gamble Company
(72) LENSER, Todd, Douglas
SCHNEIDER, Uwe
ORDWAY, David, Carlton
(31) 201213616478
(32) 14.09.2012
(33) United States of America

(51) B41C 1/05
B41N 1/06
(11) EP3354460
(21) EP18150168.5
(47) 07.08.2019
(22) 03.01.2018
(54) METHOD FOR ENGRAVING AN INTAGLIO DEEP PRESSURE PLATE
(73) Oesterreichische Banknoten- und Sicherheitsdruck GmbH
(72) GASSNER, Thomas
SAMBOLEC, Drazen
(31) 500612017
(32) 30.01.2017
(33) Austria

(51) B41F 13/008
B41F 13/02
B41F 13/03
B41F 16/00
B65H 23/06
B41F 33/02
(11) EP3251846
(21) EP16020201.6
(47) 07.08.2019
(22) 30.05.2016
(54) DEVICE FOR HANDLING FOIL FOR USE IN A PRINTING PROCESS
(73) Vinnovation Holding B.V.
(72) VAN DER HEIJDEN, Vincent

(51) B41F 15/34
B41F 15/36
H05K 3/12
(11) EP2591916
(21) EP13152826.7
(47) 07.08.2019
(22) 13.06.2003
(54) SUPPORT SYSTEM AND METHOD FOR A SCREEN PRINTING UNIT
(73) Novatec SA
(72) Bourrieres, Francis
Kaiser, Clement
Piatek, Richard Andre
Ure, Andrew Dean
Whitmore, Mark Alfred
(31) 0207241
0209354
(32) 13.06.2002
24.07.2002
(33) France
France

(51) B41F 17/00
B41F 17/08
B41F 17/18
B41F 17/24
B41F 17/28
(11) EP3250381
(21) EP16705366.9
(47) 07.08.2019
(87) US2016014912
04.08.2016
(22) 26.01.2016
(54) MARKING MACHINE AND METHOD FOR IMPLEMENTING SUCH A MACHINE
(73) Illinois Tool Works Inc.
(72) DEMANGE, Florent
(31) 1550616
(32) 27.01.2015
(33) France

(51) B41J 2/01
B41M 5/00
C09D 11/322
C09D 11/38
C09D 11/102
(11) EP3307541
(21) EP16807100.9
(47) 07.08.2019
(87) JP2016002707
15.12.2016
(22) 03.06.2016
(54) INK, INKJET RECORDING METHOD, INKJET RECORDING APPARATUS, AND RECORDED MATTER
(73) Ricoh Company, Ltd.
(72) KIDO, Masahiro
NAGASHIMA, Hidefumi
FURUKAWA, Juichi
NAKAMURA, Yuta
(31) 2015117636
2016006579
(32) 10.06.2015
15.01.2016
(33) Japan
Japan

(51) B41J 2/06
(11) EP3033234
(21) EP14835790.8
(47) 07.08.2019
(87) US2014043896
19.02.2015
(22) 24.06.2014

(54) METHOD, APPARATUS, AND SYSTEM TO PROVIDE MULTI-PULSE WAVEFORMS WITH MENISCUS CONTROL FOR DROPLET EJECTION
(73) Fujifilm Dimatix, Inc.
(72) MENZEL, Christoph
(31) 201313966177
(32) 13.08.2013
(33) United States of America

(51) B41J 2/14
(11) EP3213922
(21) EP17155121.1
(47) 07.08.2019
(22) 08.02.2017
(54) LIQUID EJECTING HEAD AND LIQUID EJECTING APPARATUS
(73) Seiko Epson Corporation
(72) WATANABE, Shunsuke
TAKINO, Fumiya
TOMIMATSU, Shingo
(31) 2016023732
2016184255
(32) 10.02.2016
21.09.2016
(33) Japan
Japan

(51) B41J 2/14
B41J 2/045
B41J 2/155
(11) EP2864123
(21) EP12885726.5
(47) 07.08.2019
(87) US2012057031
03.04.2014
(22) 25.09.2012
(54) PRINT HEAD DIE WITH THERMAL CONTROL
(73) Hewlett-Packard Development Company, L.P.
(72) CLARK, Garrett E
BAKKER, Chris
MACKENZIE, Mark H
MCCLOY, Glenn D

(51) B41J 2/165
(11) EP2839961
(21) EP13778213.2
(47) 07.08.2019
(87) JP2013053353
24.10.2013
(22) 13.02.2013
(54) INKJET PRINTER
(73) Oki Data Corporation
(72) KAMBE, Hiroaki
(31) 2012096584
2013004811
(32) 20.04.2012
15.01.2013
(33) Japan
Japan

(51) B41J 2/165
B41J 3/36
B41J 25/34
(11) EP3386757
(21) EP16823084.5
(47) 07.08.2019
(87) US2016065048
15.06.2017
(22) 06.12.2016
(54) CARTRIDGE SERVICING CASES FOR FLUID JET CARTRIDGES
(73) The Procter & Gamble Company
(72) RABE, Thomas, Elliot
VERNON, Paul, John Edward
STRIEMER, Grant, Edward Anders
LINGOES, Janette, Villalobos
(31) 201514960949
(32) 07.12.2015
(33) United States of America

(51) B41J 2/175
(11) EP2926998
(21) EP14199800.5
(47) 07.08.2019
(22) 22.12.2014
(54) Liquid-holding container and cartridge
(73) Brother Kogyo Kabushiki Kaisha
(72) Takagiwa, Yutaka
(31) 2014073637
2014237685
(32) 31.03.2014
25.11.2014
(33) Japan
Japan

(51) B41J 2/175
(11) EP2977208
(21) EP15174616.1
(47) 07.08.2019
(22) 30.06.2015
(54) LIQUID EJECTING APPARATUS AND MANUFACTURING METHOD THEREOF
(73) Seiko Epson Corporation
(72) NAKAO, Hajime
YAMAUCHI, Nobuhiko
(31) 2014150222
(32) 23.07.2014
(33) Japan

(51) B41J 2/175
B41J 2/04
B41J 2/14
(11) EP2632730
(21) EP11837056.8
(47) 07.08.2019
(87) US2011057996
03.05.2012
(22) 27.10.2011
(54) VALVE JET PRINTER WITH INERT PLUNGER TIP
(73) Matthews International Corporation
(72) WALLSTEN, Hans, Elon
KACK, Nils Johan, Fredrik
(31) 407082 P
(32) 27.10.2010
(33) United States of America

(51) B41J 2/175
B41J 2/165
(11) EP2962855
(21) EP15174204.6
(47) 07.08.2019
(22) 29.06.2015
(54) LIQUID ACCOMMODATING CONTAINER, LIQUID EJECTING DEVICE AND LIQUID INTRODUCING METHOD
(73) Canon Finetech Nisca Inc.
(72) OBATA, Yuya
ISHINAGA, Hiroyuki
MUKAI, Kayo
(31) 2014134817
(32) 30.06.2014
(33) Japan

(51) B41J 2/175
B41J 2/17
(11) EP2668041
(21) EP11856689.2
(47) 07.08.2019
(87) US2011022469
02.08.2012
(22) 25.01.2011
(54) PRINTHEAD APPARATUS, PRINTER SYSTEM AND METHOD OF PRINTHEAD BUILT-IN TEST
(73) Hewlett-Packard Development Company, L.P.
(72) MARTIN, Eric T.
GHOZEIL, Adam L.

(51) B41J 2/175
B41J 2/18
B41J 2/19
(11) EP3362293
(21) EP16801573.3
(47) 07.08.2019
(87) IB2016056172
20.04.2017
(22) 14.10.2016
(54) SUPPLY SYSTEM FOR AN INKJET PRINTER
(73) SACMI Cooperativa Meccanici Imola Società Cooperativa
(72) BOSI, Gildo
RICCI, Claudio
(31) UB20154980
(32) 16.10.2015
(33) Italy

(51) B41J 2/175
F16K 31/126
F16K 7/16
B05B 12/08
(11) EP3372412
(21) EP18159806.1
(47) 07.08.2019
(22) 02.03.2018
(54) FLOW PATH MEMBER, LIQUID EJECTING HEAD, AND LIQUID EJECTING APPARATUS
(73) Seiko Epson Corporation
(72) HANAGAMI, Taiki
TOGASHI, Isamu
(31) 2017045393
(32) 09.03.2017
(33) Japan

(51) B41J 2/205
B41J 2/045
B41J 29/393
B41J 2/21
B41J 2/165
B41J 2/155
G06K 15/02
G06K 15/10
H04N 1/00
H04N 1/401
H04N 1/40
H04N 1/409
H04N 1/23
(11) EP3243665
(21) EP17178072.9

(47) 07.08.2019
(22) 09.03.2016
(54) INKJET PRINTING MACHINE
(73) Riso Kagaku Corporation
(72) Ebisawa, Takashi
(31) 2015071371
(32) 31.03.2015
(33) Japan

(51) B41J 2/47
(11) EP2862721
(21) EP14180311.4
(47) 07.08.2019
(22) 08.08.2014
(54) Light scanning unit and image forming apparatus employing the same
(73) HP Printing Korea Co., Ltd.
(72) Park, Chul-hyun
Lee, Han-sung
(31) 201361892039 P
20130125550
(32) 17.10.2013
21.10.2013
(33) United States of America
Korea (Republic)

(51) B41J 3/407
B41J 2/455
(11) EP3202582
(21) EP17154169.1
(47) 07.08.2019
(22) 01.02.2017
(54) IMAGE RECORDING APPARATUS AND IMAGE RECORDING METHOD
(73) Ricoh Company, Ltd.
(72) SAWAMURA, Ichiro
HOTTA, Yoshihiko
UETAKE, Kazuyuki
FURUKAWA, Takahiro
ISHIMI, Tomomi
YOKOTA, Yasuroh
(31) 2016021350
2017011473
(32) 05.02.2016
25.01.2017
(33) Japan
Japan

(51) B41J 3/54
B41F 13/46
B41J 2/505
(11) EP2162291
(21) EP08784534.3
(47) 07.08.2019
(87) EP2008005063
08.01.2009
(22) 24.06.2008
(54) METHOD FOR PRINTING A SUBSTRATE
(73) manroland Goss web systems GmbH
(72) SCHULMEISTER, Peter
(31) 102007030374
(32) 29.06.2007
(33) Germany

(51) B41J 11/42
B41J 2/01
B41J 11/04
B41J 29/38
B41J 29/42
B65H 7/06
B41J 2/045
B41J 11/00
B41J 13/22
B65H 7/14
B41J 3/46
(11) EP3208096
(21) EP15850838.2
(47) 07.08.2019
(87) JP2015078180
21.04.2016
(22) 05.10.2015
(54) DIGITAL PRINTER
(73) Komori Corporation
(72) SUZUKI, Yasuhiro
(31) 2014211408
(32) 16.10.2014
(33) Japan

(51) B41J 15/04
B41J 17/32
B41J 17/36
B41J 32/00
B41J 3/407
(11) EP3124267
(21) EP15768894.6
(47) 07.08.2019
(87) JP2015058319
01.10.2015
(22) 19.03.2015
(54) TAPE CARTRIDGE
(73) Seiko Epson Corporation
(72) SAKANO, Hideki
KOSUGE, Shinsaku
(31) 2014060918
(32) 24.03.2014
(33) Japan

(51) B41J 33/02
B41J 17/24
B41J 17/30
(11) EP2723574
(21) EP12802537.6
(47) 07.08.2019
(87) US2012043734
27.12.2012
(22) 22.06.2012
(54) PRINT STATION
(73) Datamax-O'Neil Corporation
(72) BOUVERIE, William M.
HITZ, Mark Allen
HATLE, Richard
TOBIN, Dwayne Steven
(31) 201161500269 P
201213530564
(32) 23.06.2011
22.06.2012
(33) United States of America
United States of America

(51) B41K 1/04
B41K 1/40
(11) EP3354475
(21) EP18161089.0
(47) 07.08.2019
(22) 13.03.2017
(54) REVERSE TYPE STAMP
(73) Shachihata Inc.
(72) KOIDE, Takuya
(31) 2016057795
2016252140
(32) 23.03.2016
26.12.2016
(33) Japan

Japan

(51) B41K 1/36
B23K 26/00
B23K 26/10
B41K 1/38
B41C 3/04
B41D 7/00
B23K 37/02
B23K 26/38
(11) EP3388247
(21) EP18165285.0
(47) 07.08.2019
(22) 07.01.2015
(54) MACHINING SYSTEM FOR MULTIPLE DIFFERENT WORKPIECES
(73) Trotec Laser GmbH
(72) PINOT, Jean-Philippe
VERRIER, Stéphanie
(31) 500172014
(32) 10.01.2014
(33) Austria

(51) B41M 5/00
B41J 3/407
B41J 11/00
B41J 2/21
(11) EP2181852
(21) EP10154730.5
(47) 07.08.2019
(22) 27.09.2006
(54) Process for printing wood-based flat elements and production line
(73) Frati, Dante
(72) Frati, Dante
(31) MI20061227
(32) 26.06.2006
(33) Italy

(51) B41M 5/00
B41M 3/00
B41M 7/00
(11) EP3109057
(21) EP16173765.5
(47) 07.08.2019
(22) 09.06.2016
(54) NONAQUEOUS INKJET PRINTING METHOD
(73) Riso Kagaku Corporation
(72) Shimura, Shinichiro
(31) 2015129336
(32) 26.06.2015
(33) Japan

(51) B41M 5/323
B41M 5/333
B41M 3/14
B41M 5/337
(11) EP3297841
(21) EP16725422.6
(47) 07.08.2019
(87) EP2016060954
24.11.2016
(22) 17.05.2016
(54) LASER MARKABLE COMPOSITIONS, ARTICLES AND DOCUMENTS
(73) Agfa-Gevaert
(72) KOKKELENBERG, Dirk
PETTON, Lionel
LOCCUFIER, Johan
GOETHALS, Fabienne
(31) 15168096

(32) 19.05.2015
(33) European Patent Office (EPO)

(51) B41M 5/41
B41M 5/382
(11) EP3348411
(21) EP16851144.2
(47) 07.08.2019
(87) JP2016076990
06.04.2017
(22) 13.09.2016
(54) THERMAL TRANSFER IMAGE RECEIVING SHEET
(73) Dai Nippon Printing Co., Ltd.
(72) ITO, Hideo
HASHIBA, Makoto
(31) 2015195233
(32) 30.09.2015
(33) Japan

(51) B42D 15/00
B32B 27/00
B42D 1/00
B32B 5/04
B32B 5/26
(11) EP2974878
(21) EP15001724.2
(47) 07.08.2019
(22) 10.06.2015
(54) MULTILAYERED LAMINATED DATA SIDE CORE AND ITS MANUFACTURING METHOD
(73) Giesecke+Devrient Mobile Security GmbH
(72) Riedl, Josef
(31) 102014010462
(32) 15.07.2014
(33) Germany

(51) B42D 25/00
(11) EP3317111
(21) EP16733880.5
(47) 07.08.2019
(87) EP2016001091
12.01.2017
(22) 27.06.2016
(54) SECURITY ELEMENT WITH COLOUR-FILTERING GRATING
(73) Giesecke+Devrient Currency Technology GmbH
(72) LOCHBIHLER, Hans
(31) 102015008655
(32) 03.07.2015
(33) Germany

(51) B42D 25/324
B42D 25/342
B42D 25/351
B42D 25/41
B42D 25/425
B42D 25/45
B42D 25/23
B42D 25/24
B42D 25/29
(11) EP3423286
(21) EP17708785.5
(47) 07.08.2019
(87) EP2017055099
08.09.2017
(22) 03.03.2017
(54) SECURITY OBJECT HAVING A DYNAMIC AND STATIC WINDOW SECURITY FEATURE AND METHOD FOR PRODUCTION
(73) Bundesdruckerei GmbH
Bundesrepublik Deutschland, vertreten durch das Bundesministerium des Innern, vertreten durch das Bundeskriminalamt
(72) ZERNICEK, Simone
BOSIEN, Andreas
KNEBEL, Michael
LEOPOLD, André
SEIDEL, Uwe
SCHNEIDER, Ulrich
(31) 102016203609
(32) 04.03.2016
(33) Germany

(51) B42D 25/41
B42D 25/23
B42D 25/346
B42D 25/435
(11) EP3254864
(21) EP17000942.7
(47) 07.08.2019
(22) 02.06.2017
(54) CHARACTERISTIC AND METHOD FOR ITS PRODUCTION
(73) Giesecke+Devrient Currency Technology GmbH
(72) Gregarek, André
Rack, Veronika
(31) 102016006929
(32) 06.06.2016
(33) Germany

(51) B42D 25/435
(11) EP3254865
(21) EP17000941.9
(47) 07.08.2019
(22) 02.06.2017
(54) CHARACTERISTIC AND METHOD FOR ITS PRODUCTION
(73) Giesecke+Devrient Currency Technology GmbH
(72) Gregarek, André
Rack, Veronika
Renner, Patrick
(31) 102016006931
(32) 06.06.2016
(33) Germany

(51) B43K 8/02
B43K 1/00
(11) EP3313669
(21) EP16736904.0
(47) 07.08.2019
(87) FR2016051450
29.12.2016
(22) 15.06.2016
(54) WRITING INSTRUMENT HAVING A MULTI-USE TIP
(73) Société BIC
(72) BEZ, Arnaud
ALBENGE, Olivier
(31) 1555813
(32) 24.06.2015
(33) France

(51) B43K 8/03
B43K 11/00
(11) EP2920003
(21) EP13811721.3
(47) 07.08.2019
(87) US2013073527
12.06.2014
(22) 06.12.2013
(54) REFILL PLUG RELEASE ASSEMBLY AND WRITING INSTRUMENT COMPRISING SAME
(73) Europe Brands S.à r.l.
(72) DAVIES-SMITH, Leighton
DALANCOURT, Jean-Patrick
(31) 201261734118 P
(32) 06.12.2012
(33) United States of America

(51) B43L 19/00
B65H 37/00
(11) EP3238949
(21) EP15872335.3
(47) 07.08.2019
(87) JP2015068432
30.06.2016
(22) 25.06.2015
(54) COATING FILM TRANSFER TOOL
(73) Tombow Pencil Co., Ltd.
(72) NAKAMURA, Ryo
(31) 2014264838
(32) 26.12.2014
(33) Japan

(51) B60B 9/04
B60C 7/00
B60C 7/18
B60B 9/26
B60C 7/14
(11) EP3162589
(21) EP14895799.6
(47) 07.08.2019
(87) JP2014066640
30.12.2015
(22) 24.06.2014
(54) NON-PNEUMATIC TIRE
(73) Bridgestone Corporation
(72) ABE Akihiko
NISHIDA Masashi

(51) B60B 35/12
B60G 7/00
B60G 9/00
B60B 35/00
B60B 35/08
B60B 35/16
(11) EP2821263
(21) EP14173572.0
(47) 07.08.2019
(22) 24.06.2014
(54) Axle for a commercial vehicle, axle assembly and a commercial vehicle with such an axle
(73) Kögel Trailer GmbH
(72) Bayer, Bernhard
(31) 102013107050
(32) 04.07.2013
(33) Germany

(51) B60C 1/00
B60C 15/06
C08K 3/36
C08L 7/00
(11) EP3305546
(21) EP16802826.4
(47) 07.08.2019
(87) JP2016002689
08.12.2016
(22) 02.06.2016

(54) TIRE
(73) Bridgestone Corporation
(72) SAKURAI, Hideyuki
(31) 2015113309
(32) 03.06.2015
(33) Japan

(51) B60C 1/00
C08K 3/36
C08K 5/5419
C08K 5/548
C08L 9/06
C08L 9/00
(11) EP3312232
(21) EP17193899.6
(47) 07.08.2019
(22) 28.09.2017
(54) RUBBER COMPOSITION FOR TIRES AND PNEUMATIC TIRE
(73) Shin-Etsu Chemical Company, Ltd.
SUMITOMO RUBBER INDUSTRIES, LTD.
(72) TOKIMUNE, Ryuichi
TSUCHIDA, Tsuyoshi
KITAGO, Ryota
ISHINO, Soh
KISHIMOTO, Hiroyuki
HIROKAMI, Munenao
YAMADA, Tetsuro
(31) 2016206403
(32) 20.10.2016
(33) Japan

(51) B60C 1/00
C08L 9/06
C08K 5/548
C08K 3/04
C08K 3/36
C08K 3/22
C08L 25/16
(11) EP3345775
(21) EP17206604.5
(47) 07.08.2019
(22) 12.12.2017
(54) RUBBER COMPOSITION FOR TREAD AND PNEUMATIC TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) YAMADA, Ayuko
(31) 2017000260
(32) 04.01.2017
(33) Japan

(51) B60C 3/04
B60C 13/00
B60C 15/06
(11) EP3216625
(21) EP17165442.9
(47) 07.08.2019
(22) 24.08.2012
(54) PNEUMATIC RADIAL TIRE FOR A PASSENGER VEHICLE AND METHOD OF USING THE SAME
(73) Bridgestone Corporation
(72) KUWAYAMA, Isao
MATSUMOTO, Hiroyuki
HATANAKA, Shintaro
(31) 2011185178
2011185195
2011185279
(32) 26.08.2011
26.08.2011
26.08.2011
(33) Japan
Japan
Japan

(51) B60C 3/04
B60C 13/00
B60C 15/06
(11) EP3216624
(21) EP17165411.4
(47) 07.08.2019
(22) 24.08.2012
(54) PNEUMATIC RADIAL TIRE FOR A PASSENGER VEHICLE AND METHOD OF USING THE SAME
(73) Bridgestone Corporation
(72) KUWAYAMA, Isao
MATSUMOTO, Hiroyuki
HATANAKA, Shintaro
(31) 2011185178
2011185195
2011185279
(32) 26.08.2011
26.08.2011
26.08.2011
(33) Japan
Japan
Japan

(51) B60C 3/06
B60C 19/00
(11) EP2864135
(21) EP13739809.5
(47) 07.08.2019
(87) IB2013054628
27.12.2013
(22) 05.06.2013
(54) METHOD FOR CONTROLLING THE FOOTPRINT AREA OF A TYRE AND TYRE FOR VEHICLE WHEELS
(73) Pirelli Tyre S.p.A.
(72) LOSI, Piero
(31) MI20121097
201261672036 P
(32) 22.06.2012
16.07.2012
(33) Italy
United States of America

(51) B60C 5/22
B60C 23/00
(11) EP3303005
(21) EP16726317.7
(47) 07.08.2019
(87) EP2016062384
08.12.2016
(22) 01.06.2016
(54) PRESSURE SAFEGUARD DEVICE FOR TIRES FILLED WITH COMPRESSED AIR, AND METHOD FOR THIS PURPOSE
(73) Generation Concept Stiftung
(72) BERGER, Johann
(31) 7922015
(32) 03.06.2015
(33) Switzerland

(51) B60C 9/00
B29L 31/00
B60C 9/20
B29K 67/00
B29K 77/00
B29C 55/00
D02G 3/06
D06M 15/693
D06M 101/32
D06M 101/34
B29K 105/00
B60C 9/22
(11) EP3071423
(21) EP14755829.0
(47) 07.08.2019
(87) EP2014068214
28.05.2015
(22) 28.08.2014
(54) HYBRIDYARN
(73) Continental Reifen Deutschland GmbH
(72) REESE, Wolfgang
(31) 102013223573
(32) 19.11.2013
(33) Germany

(51) B60C 9/08
B60C 15/00
B60C 13/00
B60C 3/04
B60C 9/02
B60C 15/04
(11) EP3088210
(21) EP14873253.0
(47) 07.08.2019
(87) JP2014003133
02.07.2015
(22) 12.06.2014
(54) PNEUMATIC TIRE
(73) Bridgestone Corporation
(72) OKAZAKI, Naoto
(31) 2013272922
(32) 27.12.2013
(33) Japan

(51) B60C 9/11
B60C 9/02
B60C 9/00
B60C 9/08
(11) EP2953800
(21) EP14703734.5
(47) 07.08.2019
(87) US2014013302
14.08.2014
(22) 28.01.2014
(54) PNEUMATIC TIRE CARCASS HAVING AIR BLOCKING STABILIZING FABRIC SYSTEM
(73) Milliken & Company
(72) PESCHEK, Johann
DUYTSCHAEVER, Yves
CATTEAU, Franck
EL-MAJID, Ines
NAIR, Sujith
PUTHILLATH, Padmakumar
ULLAL, Purushothama K.
(31) 201361761471 P
(32) 06.02.2013
(33) United States of America

(51) B60C 11/00
B60C 11/11
(11) EP3083281
(21) EP14814870.3
(47) 07.08.2019
(87) EP2014078366
25.06.2015
(22) 18.12.2014

(54) TYRE TREAD FOR A FARM VEHICLE
(73) Compagnie Générale des Etablissements Michelin
(72) VERVAET, Patrick
REY, Daniel
LALANCE, Gautier
MANGERET, Jean-Luc
(31) 1363134
(32) 20.12.2013
(33) France

(51) B60C 11/00
B60C 11/13
(11) EP3365188
(21) EP16779052.6
(47) 07.08.2019
(87) EP2016073837
27.04.2017
(22) 06.10.2016
(54) TYRE WITH A TREAD HAVING REINFORCED SECTORS AND SELF-SUPPORTING CHANNELS
(73) Compagnie Générale des Etablissements Michelin
(72) PALLOT, Patrick
DAVAL, Bertrand
LEVRARD, Benjamin
(31) 1559980
(32) 20.10.2015
(33) France

(51) B60C 11/01
(11) EP3313673
(21) EP16705788.4
(47) 07.08.2019
(87) EP2016053705
29.12.2016
(22) 23.02.2016
(54) PNEUMATIC VEHICLE TIRE
(73) Continental Reifen Deutschland GmbH
(72) RITTWEGER, Stefan
STADLER, Frank
RÖGER, Bernhard
(31) 102015211695
(32) 24.06.2015
(33) Germany

(51) B60C 11/01
B60C 11/12
(11) EP3277521
(21) EP16714499.7
(47) 07.08.2019
(87) FR2016050657
06.10.2016
(22) 24.03.2016
(54) TYRE COMPRISING A TREAD LAYER CONTAINING CHANNELS
(73) Compagnie Générale des Etablissements Michelin
(72) VANTAL, Marie-Hélène
DEBORDEAUX, Héloïse
VANDAELE, Mathieu
YOKOKAWA, Kazutaka
LEDIEU, Vincent
BONNETON, Quentin
(31) 1552806
(32) 01.04.2015
(33) France

(51) B60C 11/03
B60C 11/00
(11) EP3016808
(21) EP14738749.2
(47) 07.08.2019
(87) EP2014063087
08.01.2015
(22) 23.06.2014
(54) TYRE COMPRISING AN IMPROVED TREAD
(73) Compagnie Générale des Etablissements Michelin
(72) SCHAFFHAUSER, Luc
TOURNEUX, Vincent
HUC, Laurent
(31) 1356387
(32) 01.07.2013
(33) France

(51) B60C 11/03
B60C 11/11
(11) EP3312025
(21) EP16811738.0
(47) 07.08.2019
(87) JP2016068060
22.12.2016
(22) 17.06.2016
(54) TIRE
(73) Bridgestone Corporation
(72) ONISHI, Yusuke
IWAMOTO, Taro
UCHIYAMA, Masataka
(31) 2015123090
(32) 18.06.2015
(33) Japan

(51) B60C 11/03
B60C 11/12
(11) EP3308977
(21) EP16811479.1
(47) 07.08.2019
(87) JP2016066689
22.12.2016
(22) 03.06.2016
(54) PNEUMATIC TIRE
(73) Bridgestone Corporation
(72) SAEKI, Kentaro
(31) 2015119845
(32) 13.06.2015
(33) Japan

(51) B60C 11/03
B60C 11/12
(11) EP3260309
(21) EP17175811.3
(47) 07.08.2019
(22) 13.06.2017
(54) PNEUMATIC TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) WAKASUGI, Masashi
KAWAGOE, Yoshifumi
(31) 2016125165
(32) 24.06.2016
(33) Japan

(51) B60C 11/03
B60C 11/12
B60C 11/13
(11) EP3064378
(21) EP16156439.8
(47) 07.08.2019
(22) 19.02.2016
(54) PNEUMATIC TIRE
(73) SUMITOMO RUBBER INDUSTRIES LIMITED
(72) MUKAI, Yu
(31) 2015043965
(32) 05.03.2015
(33) Japan

(51) B60C 11/03
B60C 11/12
B60C 11/13
(11) EP3388257
(21) EP18166625.6
(47) 07.08.2019
(22) 10.04.2018
(54) TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) NAKAMICHI, Teppei
(31) 2017080632
(32) 14.04.2017
(33) Japan

(51) B60C 11/04
B60C 11/13
B60C 11/03
(11) EP2990235
(21) EP15171081.1
(47) 07.08.2019
(22) 09.06.2015
(54) PNEUMATIC TYRES FOR A VEHICLE
(73) Continental Reifen Deutschland GmbH
(72) Kristen, Florian
Lutz, Andre
(31) 202014006967 U
(32) 27.08.2014
(33) Germany

(51) B60C 11/12
B29D 30/06
(11) EP3201011
(21) EP15778565.0
(47) 07.08.2019
(87) US2015053346
07.04.2016
(22) 30.09.2015
(54) A TIRE TREAD COMPRISING VARIABLE THICKNESS SIPES WITH MULTIPLE AREAS OF REDUCED THICKNESS
(73) Compagnie Générale des Etablissements Michelin
(72) LAWSON, Robert Cecil
KOSE, Sadi
(31) PCT/US2014/058351
(32) 30.09.2014
(33) World Intellectual Property Office (WIPO)

(51) B60C 11/12
B60C 11/03
(11) EP3308980
(21) EP16807226.2
(47) 07.08.2019
(87) JP2016063259
15.12.2016
(22) 27.04.2016
(54) TIRE
(73) Bridgestone Corporation
(72) HAYASHI, Shintaro
(31) 2015119292
(32) 12.06.2015
(33) Japan

(51) B60C 11/13
(11) EP3194183
(21) EP15729522.1

(47) 07.08.2019
(87) EP2015063909
24.03.2016
(22) 22.06.2015
(54) PNEUMATIC VEHICLE TYRE
(73) Continental Reifen Deutschland GmbH
(72) RITTWEGER, Stefan
BAPTISTA, Diogo
MAGALHAES RISCHBIETER, Ana Maria
LORCHHEIM, Andrea
(31) 102014218871
(32) 19.09.2014
(33) Germany

(51) B60C 11/16
(11) EP3287301
(21) EP16783160.1
(47) 07.08.2019
(87) JP2016062404
27.10.2016
(22) 19.04.2016
(54) STUD AND TIRE
(73) Bridgestone Corporation
(72) SAWADA, Hiroki
WADA, Junichiro
(31) 2015086279
(32) 20.04.2015
(33) Japan

(51) B60C 11/18
B60C 11/00
B60C 1/00
B60C 11/04
B60C 11/03
B60C 3/06
(11) EP3288782
(21) EP16718713.7
(47) 07.08.2019
(87) EP2016059429
03.11.2016
(22) 27.04.2016
(54) TYRE WITH A TREAD COMPRISING REINFORCING ELEMENTS
(73) Compagnie Générale des Etablissements Michelin
(72) PERRIN, Frédéric
PALLOT, Patrick
(31) 1553798
1560388
(32) 28.04.2015
29.10.2015
(33) France
France

(51) B60C 11/24
B60C 23/06
G01G 19/08
(11) EP3299185
(21) EP17193242.9
(47) 07.08.2019
(22) 26.09.2017
(54) METHOD AND DEVICE FOR DETERMINING THE LOAD OF A WHEEL OF A VEHICLE, AND METHOD AND SYSTEM FOR CHARACTERISING A VEHICLE
(73) Capteur Technologie Electronique et Systemes SA
(72) COUDOUEL, Denis
LEA, Etienne
LEA, Jean-Paul
MICALLEF, Jean-Paul
(31) 1659108
(32) 27.09.2016
(33) France

(51) B60C 15/06
B60C 1/00
B60C 11/00
C08K 3/36
C08L 7/00
C08L 9/06
C08L 57/00
(11) EP3305561
(21) EP16802827.2
(47) 07.08.2019
(87) JP2016002690
08.12.2016
(22) 02.06.2016
(54) TIRE
(73) Bridgestone Corporation
(72) SAKURAI, Hideyuki
(31) 2015113308
(32) 03.06.2015
(33) Japan

(51) B60C 23/00
(11) EP2998133
(21) EP15182944.7
(47) 07.08.2019
(22) 28.08.2015
(54) METHOD AND SYSTEM FOR REDUCING VIBRATION OF VEHICLES
(73) CLAAS Tractor S.A.S.
(72) Fedde, Thomas
Wieckhorst, Jan Carsten
(31) 102014113466
(32) 18.09.2014
(33) Germany

(51) B60C 23/04
B60C 23/06
B60C 23/20
B60W 10/00
(11) EP3187347
(21) EP16203588.5
(47) 07.08.2019
(22) 13.12.2016
(54) INTELLIGENT INTERVENTION METHOD BASED ON INTEGRATED TPMS
(73) Lai, Yanping
(72) Lai, Yanping
(31) 201514979617
(32) 28.12.2015
(33) United States of America

(51) B60C 23/06
(11) EP2222485
(21) EP08860001.0
(47) 07.08.2019
(87) EP2008066299
18.06.2009
(22) 27.11.2008
(54) METHOD FOR INDIRECTLY MONITORING TIRE PRESSURE AND TIRE PRESSURE MONITORING SYSTEM
(73) Continental Teves AG & Co. OHG
(72) IRTH, Markus
FISCHER, Daniel
KÖBE, Andreas
SUSSMANN, Christian
(31) 102007059648
102008056664
(32) 10.12.2007
11.11.2008
(33) Germany
Germany

(51) B60G 11/02
B60G 7/04
(11) EP3288787
(21) EP16733078.6
(47) 07.08.2019
(87) EP2016065118
05.01.2017
(22) 29.06.2016
(54) STOP MECHANISM
(73) Vibracoustic GmbH
(72) ROSE, David
WERNER, Philipp
(31) 102015110546
(32) 30.06.2015
(33) Germany

(51) B60G 17/00
B60G 99/00
B60K 28/16
B60W 30/02
B60W 40/10
B60G 5/02
B60G 21/067
B60G 5/04
B60G 17/0165
B60G 17/018
B60W 30/18
(11) EP3157771
(21) EP14895035.5
(47) 07.08.2019
(87) SE2014000085
23.12.2015
(22) 18.06.2014
(54) A METHOD FOR DETERMINING WHETHER OR NOT GROUND CONTACT LOSS IS IMMINENT FOR A WHEEL OF A VEHICLE.
(73) Volvo Construction Equipment AB
(72) ANDREASSON, Stefan
JOHANSSON, Håkan

(51) B60G 17/04
B60G 9/02
(11) EP3283310
(21) EP16717333.5
(47) 07.08.2019
(87) EP2016058123
20.10.2016
(22) 13.04.2016
(54) A SUSPENSION SYSTEM FOR A VEHICLE
(73) CNH Industrial Italia S.P.A.
(72) GABIATI, Giovanni
REI, Claudio
BENEVELLI, Alessandro
MORSELLI, Riccardo
IELUZZI, Michele
(31) MO20150083
(32) 17.04.2015
(33) Italy

(51) B60G 17/056
B60G 17/052
(11) EP2687391
(21) EP13002986.1
(47) 07.08.2019

(22) 11.06.2013
(54) Pneumatic valve
(73) WABCO GmbH
(72) Björn, Bleckmann
Axel, Stender
(31) 102012014349
(32) 19.07.2012
(33) Germany

(51) B60H 1/00
B60H 1/32
H01M 10/625
H01M 10/663
H01M 10/6568
H01M 10/61
H01M 10/613
F25B 39/02
F25B 5/02
F25B 41/00
B60L 58/26
(11) EP2881270
(21) EP14190951.5
(47) 07.08.2019
(22) 29.10.2014
(54) Refrigerant distributor for a hybrid or electric vehicle, and refrigerant circuit having a refrigerant distributor
(73) Valeo Klimasysteme GmbH
(72) Haussmann, Roland
(31) 102013111967
(32) 30.11.2013
(33) Germany

(51) B60H 1/00
B60H 1/34
(11) EP3284622
(21) EP16779737.2
(47) 07.08.2019
(87) JP2016001733
20.10.2016
(22) 25.03.2016
(54) AIR-CONDITIONING CONTROL DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) YAMANAKA, Hiroshi
SUGIYAMA, Takanori
HATTORI, Isao
KAKIMOTO, Katsumi
(31) 2015084051
2015084626
2015084627
(32) 16.04.2015
17.04.2015
17.04.2015
(33) Japan
Japan
Japan

(51) B60H 1/00
B61D 27/00
(11) EP2782766
(21) EP12783563.5
(47) 07.08.2019
(87) EP2012071481
30.05.2013
(22) 30.10.2012
(54) PASSENGER RAIL VEHICLE WITH ACTIVE THERMAL INSULATION
(73) Siemens Mobility GmbH
(72) KIRALY, Andras
(31) 17222011
(32) 21.11.2011
(33) Austria

(51) B60H 1/00
F25B 9/00
F25B 49/00
(11) EP2141426
(21) EP09164383.3
(47) 07.08.2019
(22) 02.07.2009
(54) Method for the implementation of an AC loop of an heating, ventilating and/or air conditioning installation of a vehicle
(73) Valeo Systèmes Thermiques
(72) Benouali, Jugurtha
Liu, Jin-Ming
(31) 0803754
(32) 02.07.2008
(33) France

(51) B60J 5/04
(11) EP2818347
(21) EP13173997.1
(47) 07.08.2019
(22) 27.06.2013
(54) Connection arrangement for releasable connection of a first and a second portion of a side collision safety structure of a vehicle
(73) Volvo Car Corporation
(72) Lund, Kjell-Åke
Svensson, Fredrik

(51) B60J 10/70
B25B 27/00
(11) EP3378688
(21) EP17162529.6
(47) 07.08.2019
(22) 23.03.2017
(54) MOUNTING DEVICE FOR USE IN AN EDGE STRIP ASSEMBLY AND METHOD FOR IMPLEMENTATION IN AN EDGE STRIP ASSEMBLY
(73) Elkamet Kunststofftechnik GmbH
(72) ROTH, Hartmut
BERGMANN, Lutz
BURK, Carsten
HAIN, Christoph
HAIN, Marco
LANDECK, David
LÖHNERT, Jens
ORTMÜLLER, Michael
SCHNEIDER, Marcus

(51) B60J 11/00
B60J 11/08
(11) EP3246186
(21) EP17275071.3
(47) 07.08.2019
(22) 19.05.2017
(54) SECURITY DEVICE FOR COMMERCIAL VEHICLES
(73) Levi, Avraham Y.
(72) Levi, Avraham Y.
(31) 201615158730
(32) 19.05.2016
(33) United States of America

(51) B60K 1/00
(11) EP3078523
(21) EP14867351.0
(47) 07.08.2019
(87) JP2014081866
11.06.2015
(22) 02.12.2014
(54) VEHICLE
(73) Honda Motor Co., Ltd.
(72) NISHIDA Makoto
(31) 2013249612
(32) 02.12.2013
(33) Japan

(51) B60K 1/00
B60K 7/00
B60K 1/02
B60K 6/00
B60K 6/26
B60K 6/40
B60K 6/52
B60K 28/14
B62D 21/15
(11) EP3078524
(21) EP14868256.0
(47) 07.08.2019
(87) JP2014081867
11.06.2015
(22) 02.12.2014
(54) VEHICLE
(73) Honda Motor Co., Ltd.
(72) YAMADA, Satoshi
YAZAKI, Manabu
ONO, Koichi
(31) 2013249617
(32) 02.12.2013
(33) Japan

(51) B60K 1/04
B62D 43/10
(11) EP3310604
(21) EP16739199.4
(47) 07.08.2019
(87) FR2016051334
22.12.2016
(22) 03.06.2016
(54) BATTERY-SUPPORTING ARRANGEMENT FOR A HYBRID VEHICLE
(73) Renault S.A.S.
(72) VINIAL, Christophe
(31) 1555635
(32) 19.06.2015
(33) France

(51) B60K 5/12
B62D 21/15
B60K 5/04
B62D 25/08
(11) EP3375649
(21) EP18153382.9
(47) 07.08.2019
(22) 25.01.2018
(54) AN ENGINE ASSEMBLY
(73) Ford Global Technologies, LLC
(72) SPURLING, Michael
(31) 201703959
(32) 13.03.2017
(33) United Kingdom

(51) B60K 6/365
B60K 1/02
B60K 6/387
B60W 10/02
B60W 10/08
B60W 20/00
B60K 6/40

B60K 6/547
B60W 30/18
B60K 6/44
B60W 10/06
F16H 3/72
B60W 20/40
(11) EP3086965
(21) EP14874509.4
(47) 07.08.2019
(87) SE2014051559
02.07.2015
(22) 22.12.2014
(54) PROPULSION SYSTEM FOR A VEHICLE
(73) Scania CV AB
(72) LINDSTRÖM, Johan
BJÖRKMAN, Mathias
BERGQUIST, Mikael
PETTERSSON, Niklas
(31) 1351575
(32) 23.12.2013
(33) Sweden

(51) B60K 11/04
B60K 13/02
B62D 49/00
F02M 35/10
(11) EP3083308
(21) EP14809890.8
(47) 07.08.2019
(87) EP2014077471
25.06.2015
(22) 11.12.2014
(54) INTAKE AIR DUCT FOR AN INTERNAL COMBUSTION ENGINE OF AN AGRICULTURAL VEHICLE
(73) CNH Industrial Italia S.p.A.
(72) BOSCHI, Luca
PESCIONE, Fabio
(31) MO20130347
(32) 17.12.2013
(33) Italy

(51) B60K 11/08
B29C 45/14
B29C 45/00
(11) EP2870014
(21) EP13727189.6
(47) 07.08.2019
(87) EP2013061729
09.01.2014
(22) 06.06.2013
(54) METHOD OF INJECTION-MOULDING AN ASSEMBLY WITH A MOVABLE ELEMENT
(73) Plastic Omnium Automotive Exteriors GmbH
(72) DIAZ, Francisco Javier
THOULOUZE, Bertrand
(31) 102012013225
(32) 04.07.2012
(33) Germany

(51) B60K 15/03
B29C 49/00
B29C 49/20
(11) EP3057819
(21) EP14781194.7
(47) 07.08.2019
(87) EP2014071411
23.04.2015
(22) 07.10.2014
(54) OPERATING FLUID CONTAINER HAVING A STIFFENING ELEMENT
(73) Kautex Textron GmbH & Co. KG
(72) GEBERT, Klaus
KARSCH, Ulrich
WOLF, Hartmut
EULITZ, Dirk
(31) 102013017002
(32) 15.10.2013
(33) Germany

(51) B60K 16/00
(11) EP3118044
(21) EP16001402.3
(47) 07.08.2019
(22) 22.06.2016
(54) WIND ENERGY EXTRACTION DURING A VEHICLE BRAKING PROCEDURE
(73) MAN Truck & Bus SE
(72) Schlosser, Rupert
(31) 102015008670
(32) 04.07.2015
(33) Germany

(51) B60K 17/10
A01B 33/02
B60K 17/28
(11) EP3246191
(21) EP16405007.2
(47) 07.08.2019
(22) 18.05.2016
(54) SELF-PROPELLED, PREFERABLY ONE-AXLE, MANUALLY STEERABLE AND CONTROLLABLE WORKING MACHINE FOR DISPLACING AND OPERATING ATTACHED WORK TOOLS
(73) Rapid Technic AG
(72) Häfeli, Christian

(51) B60K 17/28
F16H 3/16
F16H 3/091
F16H 37/04
(11) EP2699822
(21) EP12773934.0
(47) 07.08.2019
(87) SE2012050377
26.10.2012
(22) 05.04.2012
(54) GEAR BOX
(73) Scania CV AB
(72) SLAPAK, Dieter
(31) 1150336
(32) 18.04.2011
(33) Sweden

(51) B60K 35/00
B60K 1/00
B60K 37/06
G06F 3/0482
G06F 3/0486
G06F 3/0488
B60W 50/08
G06F 3/03
G06F 3/0484
G06F 3/0481
(11) EP3372436
(21) EP17159325.4
(47) 07.08.2019
(22) 06.03.2017
(54) METHOD AND OPERATION SYSTEM FOR PROVIDING A USER INTERFACE
(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(72) Kögler, Indra-Lena
Kuhn, Mathias
Chudzinski, Filip Piotr
Yosha, Omer
Petersen, Sönke

(51) B60K 35/00
B60K 37/04
B60R 11/00
B60R 11/02
G06F 1/16
G09F 9/30
(11) EP3383689
(21) EP16790355.8
(47) 07.08.2019
(87) EP2016076418
08.06.2017
(22) 02.11.2016
(54) DEVICE FOR ARRANGING IN A MOTOR VEHICLE, MOTOR VEHICLE HAVING A DEVICE, AND METHOD FOR OPERATING A DEVICE
(73) Audi AG
(72) WUNDERLICH, Matthias
(31) 102015015630
(32) 03.12.2015
(33) Germany

(51) B60K 35/00
B60K 37/06
G06F 3/0482
G06F 3/0486
G06F 3/0488
(11) EP3372435
(21) EP17159324.7
(47) 07.08.2019
(22) 06.03.2017
(54) METHOD AND OPERATION SYSTEM FOR PROVIDING A CONTROL INTERFACE
(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(72) Chudzinski, Filip Piotr
Yosha, Omer
Petersen, Sönke

(51) B60K 35/00
B60R 11/02
G06F 1/16
(11) EP2938510
(21) EP13824595.6
(47) 07.08.2019
(87) FR2013000361
03.07.2014
(22) 20.12.2013
(54) MOTOR VEHICLE DISPLAY DEVICE
(73) Valeo Systemes Thermiques
(72) LEKMINE, Djamel
(31) 1262859
(32) 27.12.2012
(33) France

(51) B60K 35/00
G06F 3/01
(11) EP2424743
(21) EP10718559.7
(47) 07.08.2019
(87) EP2010055752
04.11.2010
(22) 28.04.2010

(54) METHOD FOR DISPLAYING AND INPUTTING INFORMATION IN A MOTOR VEHICLE, AND DISPLAY DEVICE
(73) Volkswagen Aktiengesellschaft
(72) HAUSCHILD, Frank
KUHN, Mathias
DEHMANN, Rainer
(31) 102009019561
(32) 30.04.2009
(33) Germany

(51) B60K 37/06
(11) EP2381330
(21) EP11163180.0
(47) 07.08.2019
(22) 20.04.2011
(54) Control device with magnetic indexing
(73) VALEO SYSTEMES THERMIQUES
(72) Autran, Frédéric
(31) 1001681
(32) 20.04.2010
(33) France

(51) B60K 37/06
G01C 21/36
G06F 3/0485
G06F 3/0354
(11) EP3347226
(21) EP16758143.8
(47) 07.08.2019
(87) EP2016070087
16.03.2017
(22) 25.08.2016
(54) MOTOR VEHICLE OPERATOR CONTROL DEVICE WITH TOUCHSCREEN OPERATION
(73) Audi AG
(72) BOUAZIZ, Tahar
LOTTES, Daniel
DI FRANCO, Onofrio
(31) 102015011650
(32) 11.09.2015
(33) Germany

(51) B60K 37/06
G06F 3/0482
(11) EP2930050
(21) EP14163888.2
(47) 07.08.2019
(22) 08.04.2014
(54) Method and device for displaying information in a vehicle
(73) Volkswagen Aktiengesellschaft
(72) Wild, Holger
Czelnik, Mark Peter

(51) B60K 37/06
G06F 3/0488
G06F 3/0484
G06F 3/03
G06F 3/01
B60K 35/00
(11) EP3040842
(21) EP15150033.7
(47) 07.08.2019
(22) 02.01.2015
(54) User interface and method for hybrid use of a display unit of a means of locomotion
(73) Volkswagen AG
(72) WILD, Holger
KÖTTER, Nils

(51) B60L 3/00
H02K 21/22
H02K 1/20
H02K 5/20
H02K 7/18
H02K 9/00
H02K 11/33
B60L 50/40
H02K 9/19
H02K 9/22
H02K 7/14
(11) EP3044857
(21) EP14789375.4
(47) 07.08.2019
(87) IB2014064372
19.03.2015
(22) 10.09.2014
(54) ELECTRIC MOTOR OR GENERATOR
(73) Protean Electric Limited
(72) ROBERTS, Gareth
(31) 201316091
201316098
201409254
(32) 10.09.2013
10.09.2013
23.05.2014
(33) United Kingdom
United Kingdom
United Kingdom

(51) B60L 7/10
B66B 1/28
B66B 1/30
H02P 3/18
(11) EP2414268
(21) EP09842805.5
(47) 07.08.2019
(87) US2009038927
07.10.2010
(22) 31.03.2009
(54) ELEVATOR REGENERATIVE DRIVE INCLUDING AN AIR CORE INDUCTOR
(73) Otis Elevator Company
(72) ZEMKE, Wolfgang, Lutz
DEHMLOW, Marvin
MANN, Michael

(51) B60L 9/00
(11) EP2960100
(21) EP15170834.4
(47) 07.08.2019
(22) 05.06.2015
(54) SERVICE ROBOT SYSTEMS
(73) ROBERT BOSCH GMBH
(72) Biber, Peter
Petereit, Steffen
(31) 102014212427
(32) 27.06.2014
(33) Germany

(51) B60L 9/22
B60L 5/22
B60M 1/36
B60L 5/42
(11) EP3160791
(21) EP15757173.8
(47) 07.08.2019
(87) EP2015068730
03.03.2016
(22) 14.08.2015
(54) ELECTRICAL CIRCUIT FOR A MOTOR VEHICLE AND METHOD FOR ESTABLISHING CONTACT AND/OR TERMINATING CONTACT OF A VEHICLE WITH A VEHICLE-EXTERNAL ELECTRICAL NETWORK
(73) Siemens Mobility GmbH
(72) NOACK, Maik
(31) 102014217219
(32) 28.08.2014
(33) Germany

(51) B60L 11/18
H01F 38/14
H02J 5/00
H02J 7/02
(11) EP2394345
(21) EP10738795.3
(47) 07.08.2019
(87) NZ2010000017
12.08.2010
(22) 05.02.2010
(54) INDUCTIVE POWER TRANSFER APPARATUS
(73) Auckland UniServices Limited
(72) BOYS, John Talbot
HUANG, Chang- Yu
(31) 57467709
(32) 05.02.2009
(33) New Zealand

(51) B60L 15/20
B60L 7/22
(11) EP3251887
(21) EP15879875.1
(47) 07.08.2019
(87) JP2015052080
04.08.2016
(22) 26.01.2015
(54) CONTROL DEVICE FOR ELECTRIC VEHICLE AND CONTROL METHOD FOR ELECTRIC VEHICLE
(73) Nissan Motor Co., Ltd.
(72) SAWADA, Akira
ITO, Ken
NAKAJIMA, Takashi
KATSUMATA, Yuji
KOMATSU, Hiroyuki

(51) B60L 50/00
H02J 7/02
H02J 50/10
H02J 50/90
B60L 53/20
B60L 53/12
B60L 53/38
B60L 53/34
B60L 53/30
B60L 3/04
(11) EP2735074
(21) EP12728397.6
(47) 07.08.2019
(87) EP2012002530
31.01.2013
(22) 14.06.2012
(54) DEVICE FOR TRANSMITTING ENERGY TO AN ELECTRIC VEHICLE AND MOTOR VEHICLE
(73) Audi AG
(72) ELIAS, Björn
PEER, Reinhard

(31) 102011108386
(32) 22.07.2011
(33) Germany

(51) B60L 50/50
G07F 15/00
B60L 1/08
(11) EP2399771
(21) EP11164548.7
(47) 07.08.2019
(22) 03.05.2011
(54) Method for location-independent use of electrical energy of a mobile consumption unit at a fixed electricity charging station
(73) EnBW Energie Baden-Württemberg AG
(72) Walch, Lars
Stiller, Hartmut
(31) 102010016751
(32) 03.05.2010
(33) Germany

(51) B60L 50/60
(11) EP3162611
(21) EP16193478.1
(47) 07.08.2019
(22) 12.10.2016
(54) FOUR MOTOR DIRECT DRIVING SYSTEM
(73) Thunder Power New Energy Vehicle Development Company Limited
(72) LAI, Sheng-Fu
(31) 201514923432
201514967394
(32) 27.10.2015
14.12.2015
(33) United States of America
United States of America

(51) B60M 3/06
H02J 7/00
B60M 3/02
B60L 50/00
B60L 50/50
(11) EP3210820
(21) EP15852709.3
(47) 07.08.2019
(87) JP2015005118
28.04.2016
(22) 08.10.2015
(54) POWER STORAGE DEVICE
(73) Kabushiki Kaisha Toshiba
(72) NOGI, Masayuki
SATAKE, Nobuhiko
(31) 2014214264
(32) 21.10.2014
(33) Japan

(51) B60N 2/015
B60N 2/90
B60N 2/68
B60N 2/36
(11) EP2743431
(21) EP12821954.0
(47) 07.08.2019
(87) JP2012059232
14.02.2013
(22) 04.04.2012
(54) LATCH DEVICE
(73) Mitsui Kinzoku ACT Corporation
(72) KAMATA Kiyohiko
SETO Naoya
(31) 2011173385
(32) 08.08.2011
(33) Japan

(51) B60N 2/28
B60N 2/00
B60N 2/02
(11) EP1755917
(21) EP05757766.0
(47) 07.08.2019
(87) US2005019872
22.12.2005
(22) 06.06.2005
(54) CHILD RESTRAINT SYSTEM AND METHOD FOR MONITORING INSTALLATION OF THE CHILD RESTRAINT SYSTEM
(73) Aptiv Technologies Limited
(72) PATTERSON, James, F.
STUART, Sullivan, S.
RODNEY, Lawrence, A.
FORTUNE, Duane, D.
WALLNER, Edward, J.
PORTER, Stephen, B.
FULTZ, William, W.
KINCAID, Kevin, D.
(31) 577546 P
607988 P
(32) 07.06.2004
08.09.2004
(33) United States of America
United States of America

(51) B60N 2/28
B60N 2/00
B60N 2/427
(11) EP3138728
(21) EP16181803.4
(47) 07.08.2019
(22) 25.10.2013
(54) CHILD CAR SEAT WITH ACTIVE PROTECTION MEANS
(73) Dorel France
(72) RENAUDIN, François
GARNIER, Nicolas
(31) 1260272
(32) 26.10.2012
(33) France

(51) B60N 2/28
B60R 22/48
B60N 2/00
H01R 13/66
B60N 2/02
B60R 21/015
(11) EP1794026
(21) EP05792338.5
(47) 07.08.2019
(87) US2005032172
16.03.2006
(22) 08.09.2005
(54) CHILD RESTRAINT SYSTEM WITH IN-MOTION BELT STATUS MONITORING
(73) Aptiv Technologies Limited
(72) KINCAID, Kevin, D.
LAWRENCE, Rodney, A.
FORTUNE, Duane, D.
PORTER, Stephen, B.
SULLIVAN, Stuart, S.
WALLNER, Edward, J.
(31) 607988 P
(32) 08.09.2004
(33) United States of America

(51) B60N 2/30
(11) EP3323670
(21) EP17199123.5
(47) 07.08.2019
(22) 30.10.2017
(54) VEHICLE SEAT DEVICE
(73) AISIN SEIKI KABUSHIKI KAISHA
(72) MIZUNO, Ryosuke
NOZUE, Katsuya
(31) 2016223447
(32) 16.11.2016
(33) Japan

(51) B60N 2/56
B60N 2/58
A47G 9/02
A61F 7/00
(11) EP3138730
(21) EP16173645.9
(47) 07.08.2019
(22) 09.06.2016
(54) MULTILAYER SOFT TOUCH CUSHION STRUCTURE WITH A CONTROL OF THE TEMPERATURE
(73) Benecke-Kaliko AG
(72) Kaschub, Dirk
Gerken, Andreas
(31) 102015216827
(32) 03.09.2015
(33) Germany

(51) B60N 2/56
B60N 2/70
B60N 2/64
B60N 2/90
(11) EP3147156
(21) EP15795451.2
(47) 07.08.2019
(87) KR2015005137
26.11.2015
(22) 22.05.2015
(54) MULTI-HARDNESS CUSHION FOR AUTOMOBILE AND MULTI-HARDNESS CUSHION HAVING VENTILATION STRUCTURE
(73) Dayou Holdings Co., Ltd.
(72) CHEON, Woojung
(31) 20140061930
20150070982
(32) 23.05.2014
21.05.2015
(33) Korea (Republic)
Korea (Republic)

(51) B60N 2/90
B60N 2/00
B60N 2/02
(11) EP3251889
(21) EP16172813.4
(47) 07.08.2019
(22) 03.06.2016
(54) SITTING POSITION ADJUSTMENT SYSTEM
(73) Volvo Car Corporation
(72) Magnusson, M Klara
Moric, M Azra

(51) B60N 2/90
B60N 2/56
H05B 1/02

G05D 23/19
(11) EP2719559
(21) EP11867373.0
(47) 07.08.2019
(87) JP2011003218
13.12.2012
(22) 08.06.2011
(54) SEAT HEATING DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) NISHIKAWA, Masanori
TAKIGUCHI, Masahiro

(51) B60P 1/02
B60P 3/04
(11) EP2386442
(21) EP11165579.1
(47) 07.08.2019
(22) 10.05.2011
(54) Platforms support systems for use in transporters
(73) Parkhouse Country Estates Limited
(72) Houghton, Michael John
(31) 201007754
(32) 10.05.2010
(33) United Kingdom

(51) B60P 3/077
(11) EP3333014
(21) EP17205527.9
(47) 07.08.2019
(22) 05.12.2017
(54) STOP DEVICE FOR VEHICLE TRANSPORTER
(73) Officina Meccanica Migliore Livio
(72) MIGLIORE, Mr. Livio
(31) 201600123903
(32) 06.12.2016
(33) Italy

(51) B60P 7/08
(11) EP3105080
(21) EP15708699.2
(47) 07.08.2019
(87) AT2015050023
13.08.2015
(22) 27.01.2015
(54) DEVICE FOR SECURING OF CARGO
(73) Schuh, Rainer Karl
(72) Schuh, Rainer Karl
(31) 500962014
(32) 10.02.2014
(33) Austria

(51) B60P 7/08
G01L 5/04
G01L 5/10
(11) EP2257444
(21) EP09719789.1
(47) 07.08.2019
(87) NO2009000091
17.09.2009
(22) 11.03.2009
(54) SENSOR UNIT AND METHOD FOR MONITORING THE STATE OF FASTENERS
(73) Eide, Tore
(72) Eide, Tore
(31) 20081306
(32) 12.03.2008
(33) Norway

(51) B60Q 1/00
B60Q 1/076
(11) EP2298599
(21) EP10174582.6
(47) 07.08.2019
(22) 31.08.2010
(54) Optical module for an automobile headlight with a coupling unit for an electrical connection with remote units
(73) VALEO VISION
(72) NICOLAI, Jean-Marc
TOUZET, Benjamin
SADOUX, Grégoire
BLANDIN, Jonathan
(31) 0904222
(32) 04.09.2009
(33) France

(51) B60Q 1/072
(11) EP2587122
(21) EP11798286.8
(47) 07.08.2019
(87) JP2011064693
29.12.2011
(22) 27.06.2011
(54) HEADLIGHT OPTICAL-AXIS ADJUSTMENT APPARATUS
(73) HI-LEX Corporation
(72) NISHIMURA, atsushi
(31) 2010145480
(32) 25.06.2010
(33) Japan

(51) B60Q 1/14
(11) EP2548768
(21) EP12004403.7
(47) 07.08.2019
(22) 12.06.2012
(54) Headlamp for a motor vehicle
(73) Audi AG
(72) Funk, Christian
Huhn, Wolfgang
(31) 102011108384
(32) 22.07.2011
(33) Germany

(51) B60Q 3/267
B60Q 3/64
(11) EP2767439
(21) EP12840695.6
(47) 07.08.2019
(87) JP2012072442
18.04.2013
(22) 04.09.2012
(54) VEHICLE LIGHTING DEVICE
(73) Toyota Boshoku Kabushiki Kaisha
(72) UKAI Yasuhiro
TAHARA Hiroyasu
SUGIOKA Takahiro
FUKUI Ryuuji
(31) 2011225774
(32) 13.10.2011
(33) Japan

(51) B60Q 7/00
(11) EP2532553
(21) EP12004325.2
(47) 07.08.2019
(22) 06.06.2012
(54) Warning triangle for motor vehicles
(73) LEINA-WERKE GmbH
(72) Steinhauer, Thorsten
(31) 201124445 U
(32) 08.06.2011
(33) Czech Republic

(51) B60R 1/00
(11) EP3263405
(21) EP16176408.9
(47) 07.08.2019
(22) 27.06.2016
(54) AROUND VIEW MONITORING SYSTEM AND METHOD FOR VEHICLES
(73) Volvo Car Corporation
(72) Lazic, Mr. Nenad
Stervik, Per

(51) B60R 1/00
B60J 1/00
(11) EP2955064
(21) EP14425072.7
(47) 07.08.2019
(22) 13.06.2014
(54) Window pane
(73) Isoclima S.p.A.
(72) Bertolini, Alberto

(51) B60R 1/06
(11) EP3254899
(21) EP17174670.4
(47) 07.08.2019
(22) 07.06.2017
(54) VEHICLE MIRROR DEVICE
(73) Kabushiki Kaisha Tokai Rika Denki Seisakusho
(72) HAMADA, Takehiro
(31) 2016116482
(32) 10.06.2016
(33) Japan

(51) B60R 1/072
B60R 1/06
B60R 1/02
(11) EP3238996
(21) EP15872867.5
(47) 07.08.2019
(87) JP2015085281
30.06.2016
(22) 16.12.2015
(54) VIEWING CONTROL DEVICE FOR VEHICLE
(73) Kabushiki Kaisha Tokai Rika Denki Seisakusho
(72) MIYAZAKI, Shinichi
NAGAO, Takashi
KOBAYASHI, Fumikazu
KONDO, Juntaro
(31) 2014259149
(32) 22.12.2014
(33) Japan

(51) B60R 1/072
B60R 1/06
B60R 1/02
(11) EP3238998
(21) EP15872869.1
(47) 07.08.2019
(87) JP2015085283
30.06.2016
(22) 16.12.2015
(54) VIEW CONTROL DEVICE FOR VEHICLE
(73) Kabushiki Kaisha Tokai Rika Denki Seisakusho
(72) MIYAZAKI, Shinichi

NAGAO, Takashi
KOBAYASHI, Fumikazu
KONDO, Juntaro
(31) 2014259151
(32) 22.12.2014
(33) Japan

(51) B60R 5/04
(11) EP3303059
(21) EP16731239.6
(47) 07.08.2019
(87) FR2016051308
08.12.2016
(22) 01.06.2016
(54) SYSTEM FOR REVERSIBLY MOUNTING A LUGGAGE COMPARTMENT COVER PANEL ON A MOTOR VEHICLE TAILGATE
(73) TREVES Products, Services & Innovation
(72) LECOMTE, Alicia
AIRAULT, Jean-Yves
(31) 1555017
(32) 02.06.2015
(33) France

(51) B60R 7/06
(11) EP3359422
(21) EP16775777.2
(47) 07.08.2019
(87) FR2016052192
13.04.2017
(22) 05.09.2016
(54) DRAWER INTEGRATED IN A MOTOR VEHICLE
(73) Renault s.a.s
(72) FAURE, Jean Michel
MANSCOUR, Pascal
MARCEAU, Thierry
(31) 1559487
(32) 06.10.2015
(33) France

(51) B60R 11/02
G02B 27/01
(11) EP3307590
(21) EP15742084.5
(47) 07.08.2019
(87) IB2015054667
15.12.2016
(22) 22.06.2015
(54) KINEMATIC MECHANISM FOR A HEAD-UP DISPLAY
(73) Universidade do Minho
Bosch Car Multimedia Portugal, S.A.
(72) FERREIRA MONTEIRO, Pedro Miguel
AZEVEDO MOREIRA, Pedro Manuel
DA SILVA MOREIRA, Pedro Filipe
LOUREIRO DA COSTA, André Filipe
NUNES DOS SANTOS CABRAL, Jorge Miguel
MACHADO DA ROCHA, Luis Alexandre
(31) 2015108547
(32) 11.06.2015
(33) Portugal

(51) B60R 13/02
G06F 3/01
G06F 3/044
B60Q 3/208
H03K 17/96
B60Q 3/82
B60Q 3/80
H03K 17/955
(11) EP3321134
(21) EP17200326.1
(47) 07.08.2019
(22) 07.11.2017
(54) VEHICLE ROOF CONSOLE INTEGRATED WITH CAPACITIVE GESTURE RECOGNITION MODULE
(73) Robert Bosch GmbH
(72) ZHU, Wei
Liu, XinQiang
Shentu, Jiangang
Altmueller, Tobias
(31) 201610997121
(32) 10.11.2016
(33) China

(51) B60R 13/08
(11) EP3317148
(21) EP16732564.6
(47) 07.08.2019
(87) EP2016064235
12.01.2017
(22) 21.06.2016
(54) METHOD FOR MANUFACTURING A SHIELDING PART COMPRISING AT LEAST ONE METAL SHIELDING LAYER AND A TEXTILE INSULATING LAYER, AND SHIELDING PART
(73) ElringKlinger AG
(72) SCHÖNEFELD, Arne
KOCH, Silvio
(31) 102015110791
(32) 03.07.2015
(33) Germany

(51) B60R 13/08
F01N 13/14
F01N 13/10
F02B 77/11
(11) EP3303065
(21) EP16732046.4
(47) 07.08.2019
(87) US2016035157
08.12.2016
(22) 01.06.2016
(54) HEAT SHIELD WITH SEALING MEMBER
(73) LYDALL, INC.
(72) SLIMKO, Gregory, M.
FORGEARD, Julien
SCHLAPPA, Paul
LOWRY, John, M.
(31) 201562169641 P
(32) 02.06.2015
(33) United States of America

(51) B60R 16/027
H01R 35/04
(11) EP2554437
(21) EP11762703.4
(47) 07.08.2019
(87) JP2011057343
06.10.2011
(22) 25.03.2011
(54) ROTARY CONNECTOR DEVICE
(73) Furukawa Electric Co., Ltd.
Furukawa Automotive Systems Inc.
(72) ARAKAWA Hayato
(31) 2010078596
(32) 30.03.2010
(33) Japan

(51) B60R 16/03
H02J 1/08
H02J 7/14
B60L 50/15
B60L 50/16
B60L 58/20
H02J 1/00
(11) EP2805396
(21) EP13700315.8
(47) 07.08.2019
(87) EP2013050751
25.07.2013
(22) 16.01.2013
(54) VEHICLE ELECTRIC SYSTEM
(73) Continental Automotive GmbH
(72) REICHOW, Dirk
LEITHERER, Michael
(31) 102012200804
(32) 20.01.2012
(33) Germany

(51) B60R 16/04
(11) EP2176092
(21) EP07748272.7
(47) 07.08.2019
(87) SE2007000610
24.12.2008
(22) 21.06.2007
(54) TRACTOR FOR A TRACTOR-TRAILER COMBINATION
(73) Volvo Lastvagnar AB
(72) ADLERSSON, Hans
WETSTERLIND, Hans
STORJÖ, Thomas
OLSSON, Gustav
JOHANSSON, Robert

(51) B60R 19/34
B60R 19/18
F16F 7/00
F16F 7/12
(11) EP3351433
(21) EP16846716.5
(47) 07.08.2019
(87) KR2016003585
23.03.2017
(22) 06.04.2016
(54) BUCKLING INDUCING-TYPE VEHICLE CRASH BOXES AND VEHICLE BACK BEAM HAVING SAME
(73) LG Hausys, Ltd.
(72) KIM, Dong-Won
CHOI, Hyun-Jin
KANG, Yong-Han
KIM, Hee-June
SONG, Kang-Hyun
CHO, Sang-Gyu
BYUN, Kye-Woong
(31) 20150129808
(32) 14.09.2015
(33) Korea (Republic)

(51) B60R 19/48
B60K 11/08
B62D 25/08
(11) EP3106339
(21) EP16174773.8
(47) 07.08.2019
(22) 16.06.2016

(54) CLOSURE DEVICE FOR CLOSING A VITAL FUNCTIONAL COMPONENT OF A VEHICLE
(73) HBPO GmbH
(72) Schöning, Ralf
Grünschneder, Matthias
Breisacher, Michael
(31) 102015109702
(32) 17.06.2015
(33) Germany

(51) B60R 21/205
(11) EP3351435
(21) EP18152504.9
(47) 07.08.2019
(22) 19.01.2018
(54) AIR BAG FOR OBLIQUE CRASH PROTECTION
(73) TRW VEHICLE SAFETY SYSTEMS INC.
(72) Fischer, Kurt F.
Adler, Angelo
Schroeder, Alexandra E.
(31) 201715413704
(32) 24.01.2017
(33) United States of America

(51) B60R 21/232
(11) EP2519426
(21) EP10803317.6
(47) 07.08.2019
(87) US2010061441
07.07.2011
(22) 21.12.2010
(54) AIR BAG HAVING A SLIT IN A BORDER REGION
(73) KEY SAFETY SYSTEMS, INC.
(72) VOLKMANN, Matthias
HOFMANN, Volker
MORHARD, Marko
GROMODKA, Gregor
SCHIMEK, Lars
(31) 290640 P
(32) 29.12.2009
(33) United States of America

(51) B60R 21/26
(11) EP1846272
(21) EP05853483.5
(47) 07.08.2019
(87) US2005044577
17.08.2006
(22) 09.12.2005
(54) COMPACT MULTI-LEVEL OUTPUT GAS GENERATOR
(73) ARC Automotive, Inc.
(72) BILBREY, David, Anthony
COLBURN, Scott, Joseph
HUSBAND, Richard, C.
ROVITO, Robert, W.
HANCOCK, Samuel
(31) 54338
(32) 10.02.2005
(33) United States of America

(51) B60R 22/34
B60R 22/02
B65H 75/44
(11) EP3315365
(21) EP16829687.9
(47) 07.08.2019
(87) CN2016085068
02.02.2017
(22) 07.06.2016
(54) THREE-POINT SAFETY BELT AND VEHICLE HAVING SAME
(73) Zhejiang Geely Automobile Research Institute Co., Ltd.
Zhejiang Geely Holding Group Co., Ltd.
(72) YIN, Gaoji
(31) 201510455593
(32) 29.07.2015
(33) China

(51) B60R 22/46
B60R 22/28
(11) EP3045356
(21) EP14844246.0
(47) 07.08.2019
(87) JP2014073155
19.03.2015
(22) 03.09.2014
(54) SEAT BELT RETRACTOR AND SEAT BELT DEVICE
(73) Joyson Safety Systems Japan K.K.
(72) ASAKO, Tadayuki
(31) 2013190246
(32) 13.09.2013
(33) Japan

(51) B60R 22/46
B60R 22/40
(11) EP3286043
(21) EP16719010.7
(47) 07.08.2019
(87) EP2016000566
27.10.2016
(22) 07.04.2016
(54) BELT RETRACTOR
(73) TRW Automotive GmbH
(72) MICHEL, Frederic
(31) 102015004972
(32) 20.04.2015
(33) Germany

(51) B60R 99/00
(11) EP3315366
(21) EP17190647.2
(47) 07.08.2019
(22) 12.09.2017
(54) IMAGING AND DISPLAY DEVICE FOR VEHICLE AND RECORDING MEDIUM
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) AMANO, Masaaki
ASAI, Goro
OKUMURA, Tomoaki
(31) 2016208407
2016242151
(32) 25.10.2016
14.12.2016
(33) Japan
Japan

(51) B60S 1/08
G01N 29/11
B60S 1/02
B60H 1/00
H05B 3/86
(11) EP3268251
(21) EP16708691.7
(47) 07.08.2019
(87) EP2016054999
15.09.2016
(22) 09.03.2016
(54) WINDSHIELD MONITORING SYSTEM
(73) Jaguar Land Rover Limited
(72) PARSONS, Jonathan
BELOE, Neil
(31) 201503985
(32) 09.03.2015
(33) United Kingdom

(51) B60S 1/08
H02P 7/03
(11) EP2738052
(21) EP12818334.0
(47) 07.08.2019
(87) JP2012066288
31.01.2013
(22) 26.06.2012
(54) MOTOR CONTROL DEVICE
(73) Mitsuba Corporation
(72) AMAGASA Toshiyuki
TANAKA Hiroto
IWAZAKI Tamotsu
(31) 2011163082
(32) 26.07.2011
(33) Japan

(51) B60S 1/38
(11) EP2726344
(21) EP12730168.7
(47) 07.08.2019
(87) EP2012060323
03.01.2013
(22) 01.06.2012
(54) WIPING DEVICE, IN PARTICULAR WIPING DEVICE FOR A MOTOR VEHICLE PANE
(73) Robert Bosch GmbH
(72) DEPONDT, Helmut
BEX, Koen
HERINCKX, Dirk
(31) 102011078185
(32) 28.06.2011
(33) Germany

(51) B60S 1/38
(11) EP2790974
(21) EP12806311.2
(47) 07.08.2019
(87) US2012069393
20.06.2013
(22) 13.12.2012
(54) WINDSCREEN WIPER DEVICE
(73) Federal-Mogul Corporation
(72) OSLIZLO, Michael
COX, Dennis, E.
(31) 201161570563 P
(32) 14.12.2011
(33) United States of America

(51) B60S 1/38
(11) EP2726343
(21) EP12725391.2
(47) 07.08.2019
(87) EP2012060328
03.01.2013
(22) 01.06.2012
(54) WIPING DEVICE, IN PARTICULAR WIPING DEVICE FOR A MOTOR VEHICLE PANE
(73) Robert Bosch GmbH
(72) DEPONDT, Helmut
BEX, Koen
HERINCKX, Dirk
(31) 102011078178

(32) 28.06.2011
(33) Germany

(51) B60S 1/38
(11) EP2790975
(21) EP12806317.9
(47) 07.08.2019
(87) US2012069666
20.06.2013
(22) 14.12.2012
(54) WINDSCREEN WIPER DEVICE
(73) Federal-Mogul Corporation
(72) OSLIZLO, Michael
COX, Dennis, E.
(31) 201161570563 P
(32) 14.12.2011
(33) United States of America

(51) B60S 1/38
B60S 1/40
(11) EP2790979
(21) EP12809497.6
(47) 07.08.2019
(87) US2012069668
20.06.2013
(22) 14.12.2012
(54) WINDSCREEN WIPER DEVICE
(73) Federal-Mogul Corporation
(72) OSLIZLO, Michael
COX, Dennis, E.
(31) 201161570559 P
(32) 14.12.2011
(33) United States of America

(51) B60S 1/38
B60S 1/40
(11) EP3169564
(21) EP15738644.2
(47) 07.08.2019
(87) EP2015066335
21.01.2016
(22) 16.07.2015
(54) FLAT AERODYNAMIC WINDSCREEN WIPER BLADE
(73) Valeo Systèmes d'Essuyage
(72) POTON, Eric
HOUSSAT, Stéphane
GAUCHER, Vincent
(31) 1456919
1458714
(32) 17.07.2014
16.09.2014
(33) France
France

(51) B60S 1/38
B60S 1/40
(11) EP3362328
(21) EP15780866.8
(47) 07.08.2019
(87) EP2015073797
20.04.2017
(22) 14.10.2015
(54) WINDSCREEN WIPER DEVICE
(73) Federal-Mogul S.A.
(72) BOLAND, Xavier

(51) B60S 1/48
B60S 1/34
(11) EP3263412
(21) EP17178483.8
(47) 07.08.2019
(22) 28.06.2017
(54) WINDSHIELD TOUCH AND CLEAN SYSTEM
(73) Singer, Nicholas J.
(72) Singer, Nicholas J.
(31) 201615199659
(32) 30.06.2016
(33) United States of America

(51) B60S 1/52
B60S 1/38
(11) EP3012164
(21) EP15188074.7
(47) 07.08.2019
(22) 02.10.2015
(54) WIPING SYSTEM FOR GLAZED VEHICLE SURFACE AND METHOD FOR MANUFACTURING THE SAME
(73) Valeo Systèmes d'Essuyage
(72) Barret, Guillaume
Thebault, Denis
(31) 1460233
(32) 24.10.2014
(33) France

(51) B60S 3/04
(11) EP3309020
(21) EP17306358.7
(47) 07.08.2019
(22) 10.10.2017
(54) WASHING KIT FOR MOTOR VEHICLE
(73) L2O
(72) LEFEBVRE, Thierry
(31) 1659864
(32) 12.10.2016
(33) France

(51) B60S 3/06
A46B 13/00
A46B 7/06
(11) EP3319847
(21) EP16731903.7
(47) 07.08.2019
(87) EP2016064622
12.01.2017
(22) 23.06.2016
(54) WASHING DEVICE FOR A VEHICLE WASHING SYSTEM, AND VEHICLE WASHING SYSTEM
(73) Alfred Kärcher SE & Co. KG
(72) HABERL, Bernd
(31) 102015111042
(32) 08.07.2015
(33) Germany

(51) B60T 3/00
B60P 3/07
B64F 1/16
(11) EP2944523
(21) EP15167275.5
(47) 07.08.2019
(22) 12.05.2015
(54) RAMP FOR A VEHICLE
(73) Froli Kunststoffwerk Heinrich Fromme, Inh. Margret Fromme-Ruthmann e. Kfr.
(31) 202014102233 U
(32) 13.05.2014
(33) Germany

(51) B60T 7/04
B60T 7/06
B60T 8/40
B60T 13/66
B60T 13/74
(11) EP3041717
(21) EP14790318.1
(47) 07.08.2019
(87) IB2014064257
12.03.2015
(22) 04.09.2014
(54) SIMULATION DEVICE FOR AN ELECTRONICALLY CONTROLLED BRAKING APPARATUS (BBW), AND METHOD OF APPLYING CONTRAST ACTION
(73) Freni Brembo S.p.A.
(72) SALA, Paolo
ARRIGONI, Riccardo
SZEWCZYK, Beniamin
(31) BS20130123
(32) 06.09.2013
(33) Italy

(51) B60T 7/12
B60T 8/42
B60T 13/74
(11) EP2979938
(21) EP14773185.5
(47) 07.08.2019
(87) JP2014058217
02.10.2014
(22) 25.03.2014
(54) VEHICLE BRAKE FLUID PRESSURE CONTROL DEVICE
(73) Honda Motor Co., Ltd.
Autoliv Nissin Brake Systems Japan Co., Ltd.
(72) KINOSHITA Takashi
AKAMINE Kohei
KOIKE Masaki
(31) 2013071328
(32) 29.03.2013
(33) Japan

(51) B60T 7/12
B60T 13/26
B60T 13/68
(11) EP2199162
(21) EP09012912.3
(47) 07.08.2019
(22) 13.10.2009
(54) Method for operating a parking brake device, parking brake device, brake unit for implementing the procedure, brake unit with this parking brake device and vehicle for implementing the procedure and/or with this parking brake device and/or with this braking unit
(73) WABCO GmbH
(72) Bensch, Uwe
Strache, Wolfgang, Dr.
Struwe, Otmar
Rosendahl, Hartmut
Djeutchouang Djiya, Guy Alain
(31) 102008063952
(32) 19.12.2008
(33) Germany

(51) B60T 8/1766
B60T 8/26
(11) EP3310629
(21) EP16730683.6
(47) 07.08.2019
(87) EP2016000912

22.12.2016
(22) 02.06.2016
(54) METHOD FOR ELECTRONICALLY REGULATING THE BRAKING FORCE DISTRIBUTION IN A PRESSURE MEDIUM-ACTIVATED BRAKE SYSTEM OF A VEHICLE AND PRESSURE MEDIUM-ACTIVATED BRAKE SYSTEM OF A VEHICLE HAVING SUCH A REGULATING MEANS
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) WIEDER, Gerhard
MUSTAPHA, Adnan
SCHÄFERS, Andreas
HECKER, Falk
WEBER, Christian
(31) 102015109630
(32) 16.06.2015
(33) Germany

(51) B60T 8/36
B60T 17/04
B60T 8/32
B60T 8/17
B60T 13/68
(11) EP3363701
(21) EP18157150.6
(47) 07.08.2019
(22) 16.02.2018
(54) BRAKE FLUID PRESSURE CONTROL DEVICE FOR VEHICLE AND METHOD OF MANUFACTURING BRAKE FLUID PRESSURE CONTROL DEVICE FOR VEHICLE
(73) NISSIN KOGYO CO., LTD.
(72) Kodama, Takuro
(31) 2017028507
(32) 17.02.2017
(33) Japan

(51) B60T 11/16
(11) EP3341252
(21) EP16731890.6
(47) 07.08.2019
(87) EP2016064558
05.01.2017
(22) 23.06.2016
(54) HYDRAULIC UNIT FOR PRODUCING BRAKE PRESSURE FOR A MOTOR-VEHICLE BRAKE SYSTEM
(73) Continental Teves AG & Co. OHG
(72) BRANDT, Lothar
CICHY, Mike
KLEIN, Björn
LOKE, Jörg
SARAC, Erkan
(31) 102015212254
(32) 30.06.2015
(33) Germany

(51) B60T 11/16
B60T 11/20
F16J 15/16
B60T 11/228
(11) EP3138749
(21) EP15807526.7
(47) 07.08.2019
(87) KR2015005769
17.12.2015
(22) 09.06.2015
(54) PISTON FOR MASTER CYLINDER
(73) erae AMS Co., Ltd.
(72) MUN, Bu-Geun
WEON, Jong-Dae
SEO, Yu-Jong
(31) 20140071819
(32) 13.06.2014
(33) Korea (Republic)

(51) B60T 13/74
(11) EP3009317
(21) EP14810132.2
(47) 07.08.2019
(87) JP2014065068
18.12.2014
(22) 06.06.2014
(54) ELECTRIC BRAKE DEVICE
(73) NTN Corporation
(72) MASUDA Yui
(31) 2013122370
(32) 11.06.2013
(33) Japan

(51) B60T 15/34
B60T 8/36
B60T 17/22
(11) EP3049298
(21) EP14757847.0
(47) 07.08.2019
(87) EP2014002343
02.04.2015
(22) 28.08.2014
(54) VALVE APPARATUS
(73) WABCO GmbH
(72) COUPPEE, Ulrich
GENSINK, Jan
KIEL, Bernd-Joachim
(31) 102013015830
(32) 24.09.2013
(33) Germany

(51) B60T 17/04
(11) EP3090909
(21) EP15166216.0
(47) 07.08.2019
(22) 04.05.2015
(54) FLUIDIC CONNECTOR PLUG
(73) Haldex Brake Products Aktiebolag
(72) Becke, Stefan
Tschöke, Tobias

(51) B60T 17/22
B60T 13/66
B60T 13/60
B60T 8/40
(11) EP3333033
(21) EP17200744.5
(47) 07.08.2019
(22) 09.11.2017
(54) VEHICLE HAVING BRAKE SYSTEM AND METHOD OF OPERATING
(73) Robert Bosch GmbH
(72) Li, Quingyuan
Zhou, Wenguang
Irwan, Rosalin
(31) 201615373431
(32) 08.12.2016
(33) United States of America

(51) B60W 10/02
B60K 6/48
B60K 6/547
B60W 10/06
B60W 10/08
B60W 10/10
B60W 20/00
F02D 29/02
F16D 48/02
(11) EP2634052
(21) EP11835997.5
(47) 07.08.2019
(87) JP2011072984
03.05.2012
(22) 05.10.2011
(54) ENGINE START CONTROL DEVICE FOR HYBRID ELECTRIC VEHICLE
(73) Nissan Motor Co., Ltd
(72) TANISHIMA, Kaori
KAWAMURA, Hiroaki
(31) 2010239410
(32) 26.10.2010
(33) Japan

(51) B60W 10/06
B60L 11/18
B60W 20/13
B60W 50/00
G05B 13/04
B60W 10/08
(11) EP3314337
(21) EP16741094.3
(47) 07.08.2019
(87) FR2016051500
29.12.2016
(22) 20.06.2016
(54) METHOD FOR CONTROLLING AN ENERGY EQUIVALENCE FACTOR FOR A HYBRID MOTOR VEHICLE
(73) Renault S.A.S.
(72) MALOUM, Abdelmalek
(31) 1555874
(32) 25.06.2015
(33) France

(51) B60W 10/06
B60W 30/02
B60W 30/18
(11) EP3292032
(21) EP16723419.4
(47) 07.08.2019
(87) FR2016050896
10.11.2016
(22) 18.04.2016
(54) METHOD FOR MANAGING PREVENTIVE APPROVAL GRADIENTS DURING DECELERATION
(73) PSA AUTOMOBILES S.A.
(72) DESHAYES, Juliette
THOMAS, Mathieu
(31) 1553971
(32) 04.05.2015
(33) France

(51) B60W 10/08
B60K 6/48
B60K 6/54
B60W 10/02
B60W 20/00
F16D 48/02
B60L 15/20
B60L 7/14
B60W 10/06
F16D 48/06

B60L 58/13
B60L 50/16
(11) EP2639130
(21) EP11834415.9
(47) 07.08.2019
(87) JP2011074110
26.04.2012
(22) 20.10.2011
(54) HYBRID VEHICLE CONTROL DEVICE
(73) Nissan Motor Co., Ltd
(72) TAKAMURA, Yutaka
ASHIZAWA, Hiroyuki
TSUCHIKAWA, Haruhisa
(31) 2010236091
(32) 21.10.2010
(33) Japan

(51) B60W 20/00
B60K 6/547
(11) EP3129266
(21) EP15717537.3
(47) 07.08.2019
(87) FR2015050590
15.10.2015
(22) 10.03.2015
(54) METHOD FOR CONTROLLING A HYBRID TRANSMISSION FOR A MOTOR VEHICLE TAKING INTO ACCOUNT TRANSITION INTERRUPTIONS BETWEEN KINEMATIC MODES
(73) Renault S.A.S.
(72) VESPASIEN, Jean-Marie
LALLERON, Vivien
(31) 1453265
(32) 11.04.2014
(33) France

(51) B60W 30/12
B60W 10/18
B60W 10/20
B62D 6/00
G08G 1/16
B62D 101/00
B62D 109/00
B62D 111/00
B62D 113/00
B62D 137/00
B60T 8/1755
(11) EP2623387
(21) EP11829218.4
(47) 07.08.2019
(87) JP2011072254
05.04.2012
(22) 28.09.2011
(54) DRIVING SUPPORT APPARATUS AND DRIVING SUPPORT METHOD
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) AKIYAMA, Tomonori
IGARASHI, Shinji
YOSHIHAMA, Yuki
(31) 2010224157
(32) 01.10.2010
(33) Japan

(51) B60W 30/14
B60K 31/00
(11) EP3375679
(21) EP15908237.9
(47) 07.08.2019
(87) JP2015005585
18.05.2017
(22) 09.11.2015
(54) BRAKING/DRIVING FORCE CONTROL METHOD AND BRAKING/DRIVING FORCE CONTROL DEVICE
(73) Nissan Motor Co., Ltd.
(72) OHTA, Mitsunori
MIYASHITA, Naoki
SHIOZAWA, Yuuki

(51) B60W 30/14
B60W 50/00
B60W 30/08
(11) EP2881298
(21) EP14191488.7
(47) 07.08.2019
(22) 03.11.2014
(54) Method for predictive influence of a vehicle speed
(73) ROBERT BOSCH GMBH
(72) Selem, Moez
(31) 102013223844
(32) 21.11.2013
(33) Germany

(51) B60W 30/18
B60W 50/00
B60W 50/14
(11) EP2943382
(21) EP13798976.0
(47) 07.08.2019
(87) EP2013074349
17.07.2014
(22) 21.11.2013
(54) METHOD AND DEVICE FOR ASSISTING THE RIDER OF A BICYCLE WHEN APPROACHING BENDS
(73) Robert Bosch GmbH
(72) WAHL, Anja
KOEHLER, Markus
(31) 102013200435
(32) 14.01.2013
(33) Germany

(51) B60W 30/182
B60W 10/06
B60W 10/08
E02F 9/20
B60W 20/00
B60K 6/46
B60K 6/48
(11) EP2367711
(21) EP08878304.8
(47) 07.08.2019
(87) SE2008000654
27.05.2010
(22) 21.11.2008
(54) PEDAL MAP SHIFT
(73) Volvo Construction Equipment AB
(72) FRANK, Bobbie
FILLA, Reno

(51) B60W 40/00
B60W 40/13
B60W 40/10
(11) EP2810840
(21) EP12867251.6
(47) 07.08.2019
(87) JP2012052558
08.08.2013
(22) 03.02.2012
(54) DECELERATING FACTOR-ESTIMATING DEVICE
(73) Toyota Jidosha Kabushiki Kaisha
(72) SANNODO, Shinya
OTAKE, Hirotada

(51) B60W 40/09
B60W 50/00
(11) EP3154837
(21) EP16744294.6
(47) 07.08.2019
(87) DE2016200275
22.12.2016
(22) 15.06.2016
(54) METHOD AND SYSTEM FOR EVALUATING THE DRIVING BEHAVIOUR OF A VEHICLE OPERATOR WITH A MOTOR VEHICLE
(73) Init Innovative Informatikanwendungen In Transport Verkehrs- Und Leitsystemen GmbH
(72) DECKER, Christian
ANDERER, Simon
(31) 102015211171
102015213108
(32) 17.06.2015
13.07.2015
(33) Germany
Germany

(51) B60W 50/023
B60W 50/14
G05D 1/00
G08B 21/02
(11) EP2942687
(21) EP15166610.4
(47) 07.08.2019
(22) 06.05.2015
(54) AUTOMATED DRIVING SAFETY SYSTEM
(73) Toyota Motor Engineering & Manufacturing North America, Inc.
(72) Kamata,, Nobuhide
(31) 201414271318
(32) 06.05.2014
(33) United States of America

(51) B60W 50/029
B60T 17/18
B60W 30/10
B62D 6/00
(11) EP3305620
(21) EP15894190.6
(47) 07.08.2019
(87) JP2015065982
08.12.2016
(22) 03.06.2015
(54) VEHICLE CONTROL DEVICE AND VEHICLE CONTROL METHOD
(73) Nissan Motor Co., Ltd.
(72) MIURA, Masahiro
DEGUCHI, Yoshitaka

(51) B61B 1/00
B61B 13/00
B61B 10/02
(11) EP3150455
(21) EP15798826.2
(47) 07.08.2019
(87) CN2015080199
03.12.2015
(22) 29.05.2015

(54) HIGH-CARRYING-CAPACITY THROUGH RAIL TRANSIT SYSTEM
(73) Zhao, Yi
(72) Zhao, Yi
(31) 201410239876
(32) 30.05.2014
(33) China

(51) B61C 17/00
B61F 1/08
(11) EP3319858
(21) EP16774933.2
(47) 07.08.2019
(87) EP2016073204
06.04.2017
(22) 29.09.2016
(54) SECURING DEVICE FOR A DEVICE SUPPORT ON A CAR BODY OF A RAIL VEHICLE
(73) Siemens Mobility GmbH
(72) SONNLEITNER, Uwe
JÜLY, Martin
HALLING, Philipp
(31) 508272015
(32) 01.10.2015
(33) Austria

(51) B61D 3/12
B61D 3/18
(11) EP3284647
(21) EP16184835.3
(47) 07.08.2019
(22) 19.08.2016
(54) RAILWAY TRAIN WITH INTEGRATED ROADWAY, AND RAILWAY WAGON
(73) RAIpin AG
(72) KARCH, Stefan
FELICE, Dominic

(51) B61D 3/18
(11) EP2810844
(21) EP14001897.9
(47) 07.08.2019
(22) 02.06.2014
(54) Rail vehicle for transporting motor vehicles
(73) BLG AutoRail GmbH
(72) Binz, Gerald
(31) 102013105655
(32) 03.06.2013
(33) Germany

(51) B61D 19/00
(11) EP2829451
(21) EP14173648.8
(47) 07.08.2019
(22) 24.06.2014
(54) Guiding system for a swing door of a rail vehicle
(73) Knorr-Bremse Gesellschaft mit beschränkter Haftung
(72) MAIR, Andreas
ZARL, Heinz
(31) 5009413 U
(32) 27.06.2013
(33) Austria

(51) B61D 35/00
(11) EP3331742
(21) EP16762997.1
(47) 07.08.2019
(87) EP2016070582
06.04.2017
(22) 01.09.2016
(54) FORCED LOCKING OF A FRESH WATER CONNECTION OF A RAIL VEHICLE
(73) Siemens Mobility GmbH
(72) KÜBECK, Thomas
SCHATTON, Christopher
SCHLESS, Günther
(31) 102015218872
(32) 30.09.2015
(33) Germany

(51) B61F 5/52
B60V 1/04
B61F 99/00
B60V 3/04
B61B 13/08
B60V 1/14
(11) EP2701960
(21) EP12719092.4
(47) 07.08.2019
(87) NL2012000015
30.08.2012
(22) 21.02.2012
(54) LEVITATION SYSTEM FOR A TRAIN
(73) Novus Finitor B.V.
(72) HIJLKEMA, Bernardus, Ludgerus, Lubertus
(31) 2006269
(32) 21.02.2011
(33) Netherlands

(51) B61F 19/02
B61F 9/00
(11) EP3318462
(21) EP17198741.5
(47) 07.08.2019
(22) 27.10.2017
(54) RAIL VEHICLE WITH COW CATCHER AND COW CATCHER FOR A RAIL VEHICLE
(73) Bombardier Transportation GmbH
(72) Brunnflicker, Andreas
Adamek, Helmut
(31) 102016221513
(32) 03.11.2016
(33) Germany

(51) B61G 7/14
B61D 15/06
B61G 3/16
B61G 11/16
(11) EP2585352
(21) EP11798446.8
(47) 07.08.2019
(87) SE2011050706
29.12.2011
(22) 08.06.2011
(54) SHOCK-ABSORBING COUPLER HEAD FOR A COUPLING ARRANGEMENT
(73) Dellner Couplers AB
(72) HANSSON, Johan
HJORT, Mattias
HISWÅLS, Fredrik
LARSSON, Daniel
SVEDBO, Anders
WESTMAN, Anders
(31) 1050678
(32) 23.06.2010
(33) Sweden

(51) B61L 15/00
B60L 3/02
B60K 28/06
B61L 3/00
(11) EP3257717
(21) EP17176047.3
(47) 07.08.2019
(22) 14.06.2017
(54) A WATCH DEVICE FOR A CONDUCTOR OF A RAILWAY VEHICLE
(73) ALSTOM Transport Technologies
(72) FOURNEAU, David
(31) 1655588
(32) 16.06.2016
(33) France

(51) B61L 15/00
B61L 27/00
(11) EP3102475
(21) EP15715176.2
(47) 07.08.2019
(87) EP2015055606
08.10.2015
(22) 18.03.2015
(54) SPARE RESSOURCE FOR THE FAULTY CHANNEL OF A RAIL VEHICLE
(73) Siemens Mobility GmbH
(72) LOTTERMOSER, Martin
(31) 102014206078
(32) 31.03.2014
(33) Germany

(51) B62B 9/10
B60N 2/28
(11) EP2658766
(21) EP11804741.4
(47) 07.08.2019
(87) GB2011001763
05.07.2012
(22) 22.12.2011
(54) HEAD SUPPORT FOR A PUSHCHAIR
(73) Dale, Caroline
(72) CONRAN, Sebastian Orby
MOSELEY, David Jonathan
DAVIES, Linden James
BARLOW, Chris
(31) 201022148
(32) 31.12.2010
(33) United Kingdom

(51) B62D 5/04
B62D 12/00
(11) EP3059140
(21) EP13895549.7
(47) 07.08.2019
(87) CN2013085325
23.04.2015
(22) 16.10.2013
(54) MOTOR-ASSISTED JOINT SYSTEM FOR ARTICULATED BUS
(73) Aleees Eco Ark (Cayman) Co. LTD.
(72) YANG, Anthony Antao
CHEN, Gordon Ching

(51) B62D 6/00
B62D 5/04
B62D 5/06
B62D 11/08
B62D 12/00
B62D 101/00
B62D 113/00
B62D 119/00
(11) EP3254934
(21) EP16859841.5
(47) 07.08.2019

(87) JP2016081728
04.05.2017
(22) 26.10.2016
(54) WORK VEHICLE AND WORK VEHICLE CONTROL METHOD
(73) Komatsu Ltd.
(72) TAKENAKA, Yuita
NAKABAYASHI, Masanobu
IKARI, Masanori
(31) 2015213788
(32) 30.10.2015
(33) Japan

(51) B62D 7/14
B62D 13/02
B62D 5/06
B62D 7/15
B62D 13/04
B60B 35/00
(11) EP2767455
(21) EP13004497.7
(47) 07.08.2019
(22) 14.09.2013
(54) Electric hydraulic unit for steering leading or trailing axles
(73) MAN Truck & Bus SE
(72) Schneider, Bernhard
(31) 102013002565
(32) 14.02.2013
(33) Germany

(51) B62D 7/18
(11) EP2864183
(21) EP13806519.8
(47) 07.08.2019
(87) SE2013050713
27.12.2013
(22) 18.06.2013
(54) STEERING SPINDLE ARRANGEMENT
(73) Scania CV AB
(72) STJERNLING, Martin
(31) 1250669
(32) 21.06.2012
(33) Sweden

(51) B62D 11/00
B62D 11/04
E02F 9/22
E02F 9/20
G05G 13/00
(11) EP2798126
(21) EP12818981.8
(47) 07.08.2019
(87) US2012072062
04.07.2013
(22) 28.12.2012
(54) ELECTRONIC TAG ALONG
(73) Clark Equipment Company
(72) BERTSCH, Brady, J.
MAGNUSON, Jason, L.
YOUNG, Christopher, L.
HOABY, John, M.
HOABY, Charles, P.
(31) 201161581429 P
(32) 29.12.2011
(33) United States of America

(51) B62D 13/06
G05D 1/00
(11) EP3246228
(21) EP17170384.6
(47) 07.08.2019
(22) 10.05.2017
(54) METHOD AND DEVICE FOR CONTROLLING THE DRIVE OF A MOTOR VEHICLE
(73) VOLKSWAGEN AKTIENGESELLSCHAFT
Audi AG
(72) Hüger, Philipp
Brosig, Stefan
Vogt, Hermann
Gebert, Hermann
Ziebart, Sascha
(31) 102016208630
(32) 19.05.2016
(33) Germany

(51) B62D 15/02
(11) EP3328715
(21) EP16751494.2
(47) 07.08.2019
(87) EP2016067190
02.02.2017
(22) 19.07.2016
(54) METHOD FOR AT LEAST SEMI-AUTONOMOUS MANOEUVRING OF A MOTOR VEHICLE WITH POSITIONAL CORRECTION, DRIVER ASSISTANCE SYSTEM AND MOTOR VEHICLE
(73) Valeo Schalter und Sensoren GmbH
(72) AYYAPPAN, Thirumalai Kumarasamy
(31) 102015112313
(32) 28.07.2015
(33) Germany

(51) B62D 15/02
B60R 1/00
(11) EP3204278
(21) EP15775449.0
(47) 07.08.2019
(87) EP2015073065
14.04.2016
(22) 06.10.2015
(54) ACCIDENT PREVENTION WITH THE FOLLOWING TRAFFIC DURING AN AUTOMATED PARKING PROCEDURE IN A TRANSVERSE PARKING SPACE
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) SARIHAN, Izden
COESTER, Constantin
GOLDMANN, Thomas
(31) 102014220298
(32) 07.10.2014
(33) Germany

(51) B62D 15/02
B60W 30/12
G05D 1/02
(11) EP3257729
(21) EP17175774.3
(47) 07.08.2019
(22) 13.06.2017
(54) LANE KEEPING SYSTEM FOR AUTONOMOUS VEHICLE DURING CAMERA DROP-OUTS
(73) Aptiv Technologies Limited
(72) KRISHNA PRASAD, Premchand
GREENE, Jeremy, S.
MARTINDALE, Paul, R.
(31) 201615181915
(32) 14.06.2016
(33) United States of America

(51) B62D 21/15
B62D 25/08
B62D 25/12
B60R 19/18
B60R 19/12
(11) EP2261102
(21) EP10165284.0
(47) 07.08.2019
(22) 08.06.2010
(54) MULTIPURPOSE IMPACT ENERGY ABSORBING ELEMENT FOR A VEHICLE FRONT
(73) COMPAGNIE PLASTIC OMNIUM
(72) Ginja, Stéphane
(31) 0953783
(32) 08.06.2009
(33) France

(51) B62D 25/04
B62D 25/06
B62D 25/20
B60J 5/00
B60R 19/04
B62D 21/15
B62D 25/00
(11) EP3342684
(21) EP16853782.7
(47) 07.08.2019
(87) JP2016080113
13.04.2017
(22) 11.10.2016
(54) STRUCTURAL MEMBER AND VEHICLE
(73) Nippon Steel Corporation
(72) HIROSE, Satoshi
ISHIMORI, Yuichi
FUKUCHI, Hiroshi
(31) 2015200974
(32) 09.10.2015
(33) Japan

(51) B62D 25/20
B21D 22/02
B21D 47/00
B21D 53/88
(11) EP2799313
(21) EP12859247.4
(47) 07.08.2019
(87) JP2012083095
27.06.2013
(22) 20.12.2012
(54) FRONT FLOOR PANEL
(73) Nippon Steel Corporation
(72) YONEBAYASHI Toru
SUZUKI Toshiya
NAKAZAWA Yoshiaki
TAKAHASHI Masaya
(31) 2011278332
(32) 20.12.2011
(33) Japan

(51) B62D 25/20
B62D 21/17
B60H 1/24
B62D 33/04
(11) EP2641817
(21) EP13158084.7
(47) 07.08.2019
(22) 07.03.2013
(54) Loading floor and profiled element for a loading floor

(73) Ford-Werke GmbH
(72) Baldsiefen, Lothar
Huth, René A.
Valter, Dino
(31) 102012204713
(32) 23.03.2012
(33) Germany

(51) B62D 29/00
B29C 44/12
C09J 7/35
C09J 7/21
(11) EP3269621
(21) EP17184916.9
(47) 07.08.2019
(22) 14.11.2013
(54) EXPANDING PANEL STIFFENER
(73) Zephyros Inc.
(72) QUADERER, Dean
(31) 201261726259 P
(32) 14.11.2012
(33) United States of America

(51) B62D 29/04
B60R 19/04
B60R 19/03
B60R 19/18
(11) EP3275769
(21) EP16768277.2
(47) 07.08.2019
(87) JP2016055703
29.09.2016
(22) 25.02.2016
(54) RESIN STRUCTURE AND VEHICLE COMPONENTS
(73) Teijin Limited
(72) TESHIMA Masatomo
(31) 2015060973
(32) 24.03.2015
(33) Japan

(51) B62D 35/00
B60K 11/02
B60K 11/04
B60K 11/08
B60K 15/063
(11) EP3118091
(21) EP16001437.9
(47) 07.08.2019
(22) 27.06.2016
(54) MOTOR VEHICLE, PREFERABLY BOX TRUCKS WITH MOTOR AND/OR AGGREGATE COOLING
(73) MAN Truck & Bus SE
(72) Gutzeit, Reinhard
(31) 102015009364
(32) 17.07.2015
(33) Germany

(51) B62D 53/04
B60T 7/10
B60T 7/20
B62D 63/02
B62D 63/06
(11) EP3307608
(21) EP16738480.9
(47) 07.08.2019
(87) FR2016051332
15.12.2016
(22) 03.06.2016
(54) TRAILER COMPRISING AN IMMOBILISATION MEANS, VEHICLE CONTROLLING THE REVERSIBLE IMMOBILISATION AND COUPLING OF THE TRAILER, AND ASSEMBLY FORMED BY THE COUPLING OF SUCH A TRAILER AND SUCH A VEHICLE
(73) Renault S.A.S.
(72) GEOFFROY, Pierre
LOMBARD-RAMEL, Eric
(31) 1555244
(32) 09.06.2015
(33) France

(51) B62D 65/18
(11) EP3345813
(21) EP17150639.7
(47) 07.08.2019
(22) 09.01.2017
(54) VEHICLE ASSEMBLY DEVICE
(73) MAGNA STEYR Fahrzeugtechnik AG & Co KG
(72) WOLFSBERGER, Günter

(51) B62H 5/00
B62H 3/00
G07F 17/00
(11) EP3272631
(21) EP17181986.5
(47) 07.08.2019
(22) 18.07.2017
(54) AUTOMATIC CYCLE-STORAGE SYSTEM AND LOCKING STATION FOR SUCH A SYSTEM
(73) JCDecaux SA
(72) ZEFERINO, Emmanuel
FORESTIER, Jean-Marc
ARDOUIN, Thieric
(31) 1656849
(32) 18.07.2016
(33) France

(51) B62J 6/18
(11) EP3112238
(21) EP16176816.3
(47) 07.08.2019
(22) 29.06.2016
(54) CABLE FIXING ELEMENT FOR CABLES ARRANGED IN BICYCLE FRAME TUBES, BICYCLE FRAME TUBE AND A METHOD OF MOUNTING AND SECURING A CABLE IN A BICYCLE FRAME TUBE
(73) Canyon Bicycles GmbH
(72) Adomeit, Michael
(31) 102015212446
(32) 02.07.2015
(33) Germany

(51) B62J 99/00
B60T 8/1755
B60W 10/06
B60W 10/184
B60W 30/18
B62J 27/00
F02D 45/00
B60T 8/175
B60T 8/17
(11) EP2985213
(21) EP14782450.2
(47) 07.08.2019
(87) JP2014057924
16.10.2014
(22) 21.03.2014
(54) TORQUE CONTROL DEVICE
(73) Bosch Corporation
(72) WATANABE Takuya
IGARI Yoshihide
(31) 2013081985
(32) 10.04.2013
(33) Japan

(51) B62K 3/06
B62K 19/30
B62K 19/48
B62M 6/40
B62M 6/80
B62K 25/02
B62K 19/08
(11) EP3129276
(21) EP15716500.2
(47) 07.08.2019
(87) EP2015057885
15.10.2015
(22) 10.04.2015
(54) BICYCLE
(73) Swissfleet Services GmbH
(72) DOUGLAS, Philip
WÜLSER, Tobias
STIEGER, Patrik
LOACKER, Frank
(31) 563142014
(32) 11.04.2014
(33) Switzerland

(51) B62K 5/01
B62K 5/027
B62K 5/08
B62K 5/10
(11) EP2921390
(21) EP13864809.2
(47) 07.08.2019
(87) JP2013084149
26.06.2014
(22) 19.12.2013
(54) VEHICLE
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) TAKANO Kazuhisa
(31) 2012277220
2012277219
(32) 19.12.2012
19.12.2012
(33) Japan
Japan

(51) B62K 21/00
(11) EP3342694
(21) EP17207255.5
(47) 07.08.2019
(22) 14.12.2017
(54) VEHICLE WITH POWER STEERING
(73) HONDA MOTOR CO., LTD.
(72) Araki, Makoto
Akimoto, Kazushi
Takenaka, Toru
(31) 2016254460
(32) 27.12.2016
(33) Japan

(51) B62K 21/22
(11) EP3112241
(21) EP16176591.2
(47) 07.08.2019
(22) 28.06.2016

(54) HANDLE POSITION-ADJUSTMENT STRUCTURE OF STRADDLE TYPE VEHICLE
(73) Honda Motor Co., Ltd.
(72) Kishi, Toshiaki
Takakuwa, Dai
(31) 2015131292
(32) 30.06.2015
(33) Japan

(51) B62K 21/22
B62J 99/00
(11) EP3301006
(21) EP17174733.0
(47) 07.08.2019
(22) 07.06.2017
(54) STRADDLED VEHICLE
(73) Yamaha Hatsudoki Kabushiki Kaisha (Yamaha Motor Co., Ltd.)
(72) Aoba, Shunsuke
(31) 2016189544
(32) 28.09.2016
(33) Japan

(51) B62K 21/26
B62K 21/12
B62K 23/06
(11) EP3275772
(21) EP17174491.5
(47) 07.08.2019
(22) 06.06.2017
(54) ARTICLES FOR HOLDING OR RESTING
(73) Velo Enterprise Co., Ltd.
(72) YU, Tsai-Yun
(31) 105123740
(32) 27.07.2016
(33) Taiwan, Province of China

(51) B62M 6/50
B62M 6/55
B62M 6/90
B62M 9/06
B62M 6/45
(11) EP3263436
(21) EP17177644.6
(47) 07.08.2019
(22) 23.06.2017
(54) ELECTRIC POWER-ASSISTED BICYCLE, DRIVE SYSTEM AND CONTROL METHOD THEREFOR
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) KINPARA, Yuki
(31) 2016128015
(32) 28.06.2016
(33) Japan

(51) B62M 7/02
B62M 17/00
B62M 7/04
(11) EP3072798
(21) EP16155840.8
(47) 07.08.2019
(22) 16.02.2016
(54) SHAFT DRIVE TYPE VEHICLE
(73) HONDA MOTOR CO., LTD.
(72) Takahashi, Yoshiki
Makita, Hiroyuki
(31) 2015066666
(32) 27.03.2015
(33) Japan

(51) B63B 1/12
B63B 35/73
B63H 21/17
G05B 11/38
B63B 7/00
(11) EP3353045
(21) EP16766977.9
(47) 07.08.2019
(87) EP2016072204
30.03.2017
(22) 19.09.2016
(54) FLOATING VESSEL
(73) CAYAGO TEC GmbH
(72) WALPURGIS, Hans-Peter
SCHNAUFFER, Peter
(31) 102015115895
(32) 21.09.2015
(33) Germany

(51) B63B 21/20
(11) EP2526014
(21) EP11703043.7
(47) 07.08.2019
(87) IB2011050206
28.07.2011
(22) 18.01.2011
(54) MOORING LIMB
(73) The University Of Exeter
(72) PARISH, David
JOHANNING, Lars
(31) 201000800
(32) 19.01.2010
(33) United Kingdom

(51) B63B 21/26
(11) EP2576330
(21) EP11724891.4
(47) 07.08.2019
(87) US2011038344
01.12.2011
(22) 27.05.2011
(54) UNDERSEA ANCHORING SYSTEM AND METHOD
(73) Lockheed Martin Corporation
(72) HALKYARD, John, E.
MACHIN, Jonathan, B.
(31) 349314 P
(32) 28.05.2010
(33) United States of America

(51) B63B 27/34
B63B 27/24
E21B 17/01
B63B 27/30
(11) EP2576333
(21) EP11789284.4
(47) 07.08.2019
(87) DK2011050198
08.12.2011
(22) 06.06.2011
(54) A FLEXIBLE PIPE SYSTEM
(73) National Oilwell Varco Denmark I/S
(72) PEDERSEN, Tommy
CHRISTENSEN, Claus Dencker
(31) 201000478
(32) 04.06.2010
(33) Denmark

(51) B63B 39/06
(11) EP3109149
(21) EP16250006.0
(47) 07.08.2019
(22) 04.04.2016
(54) STABILISING APPARATUS
(73) Scott, Martin
(72) Scott, Martin
(31) 201505799
(32) 02.04.2015
(33) United Kingdom

(51) B63H 5/125
B63H 20/08
B63H 25/42
(11) EP2979972
(21) EP14774506.1
(47) 07.08.2019
(87) KR2014002687
02.10.2014
(22) 28.03.2014
(54) CANISTER TYPE THRUSTER AND INSTALLATION METHOD THEREOF
(73) Samsung Heavy Ind. Co., Ltd.
(72) LEE, Deok-Hoon
KIM, Myung-Sung
PARK, Young-Deok
BAEK, Jeung-Hoon
YANG, In-Ho
YUN, Bong-Rea
CHO, Tae-Min
CHOI, Sung-Tae
HEO, Hee-Young
(31) 20130034367
20130053416
20130055512
20130055657
20130058076
(32) 29.03.2013
10.05.2013
16.05.2013
16.05.2013
23.05.2013
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) B63H 20/06
(11) EP3403916
(21) EP17201841.8
(47) 07.08.2019
(22) 15.11.2017
(54) OUTBOARD MOTOR
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) MIZUTANI, Makoto
HAGI, Tomohiro
(31) 2017098406
(32) 17.05.2017
(33) Japan

(51) B63H 21/17
B63H 21/38
H02K 9/24
(11) EP3341286
(21) EP16766508.2
(47) 07.08.2019
(87) EP2016071031
06.04.2017
(22) 07.09.2016
(54) COOLING OF AN ELECTRIC MOTOR DRIVE FOR A WATER-BORNE MEANS OF TRANSPORT
(73) Siemens Aktiengesellschaft
(72) SCHLAPPA, Robert

ECKERT, Jürgen
MARX, Walter
(31) 102015218889
(32) 30.09.2015
(33) Germany

(51) B64C 1/06
(11) EP2158125
(21) EP08761264.4
(47) 07.08.2019
(87) EP2008057850
31.12.2008
(22) 20.06.2008
(54) METHOD AND DEVICE FOR PRODUCING A FUSELAGE CELL OF AN AIRPLANE
(73) Airbus Operations GmbH
(72) FRAUEN, Holger
GNAUCK, Tomas
KLEMKOW, Eike
(31) 102007028918
936846 P
(32) 22.06.2007
22.06.2007
(33) Germany
United States of America

(51) B64C 1/08
B29C 70/44
B29D 99/00
(11) EP3109152
(21) EP15173538.8
(47) 07.08.2019
(22) 24.06.2015
(54) STIFFENED FUSELAGE COMPONENT AS WELL AS METHOD AND APPARATUS FOR MANUFACTURING A STIFFENED FUSELAGE COMPONENT
(73) Airbus Operations GmbH
(72) Joern, Dr. Paul

(51) B64C 1/18
B64D 13/08
F24D 13/02
(11) EP3210881
(21) EP17155855.4
(47) 07.08.2019
(22) 13.02.2017
(54) HEATED AIRCRAFT FLOOR PANELS
(73) Goodrich Corporation
(72) OWENS, George
ROACH, Kevin E.
MULLEN, James
GIAMATI, Michael J.
SHEARER, Jon
TWISK, James V.
BRITTINGHAM, David L.
WILSON, Tom
HU, Jin
VERONESI, William A.
GURVICH, Mark R.
WINESDOERFFER, Joseph
GESNER, Jason
(31) 201662294954 P
(32) 12.02.2016
(33) United States of America

(51) B64C 1/40
B64C 1/06
G10K 11/172
(11) EP3205574
(21) EP17155552.7
(47) 07.08.2019
(22) 10.02.2017
(54) STRUCTURAL, CELLULAR CORE WITH CORRUGATED SUPPORT WALLS
(73) Rohr, Inc.
(72) NAMPY, Sreenivas Narayanan
ADAMS, David M.
(31) 201615040663
(32) 10.02.2016
(33) United States of America

(51) B64C 3/56
B64D 45/00
(11) EP2955103
(21) EP15171934.1
(47) 07.08.2019
(22) 12.06.2015
(54) FOLDABLE WINGTIP WITH A LOCK ACTUATION SYSTEM FOR AN AIRCRAFT
(73) The Boeing Company
(72) Good, Mark S.
(31) 201414303443
(32) 12.06.2014
(33) United States of America

(51) B64C 9/14
B64C 9/24
B64C 9/18
F16H 49/00
(11) EP3310651
(21) EP16741106.5
(47) 07.08.2019
(87) GB2016051815
22.12.2016
(22) 17.06.2016
(54) AIRCRAFT WING SYSTEM
(73) BAE Systems PLC
(72) BROWN, Robert
(31) 201510688
15275157
(32) 18.06.2015
18.06.2015
(33) United Kingdom
European Patent Office (EPO)

(51) B64C 9/16
(11) EP3301017
(21) EP16191862.8
(47) 07.08.2019
(22) 30.09.2016
(54) SYSTEM FOR DRIVING AND GUIDING OF A TRAILING EDGE CONTROL SURFACE
(73) Airbus Operations GmbH
(72) LORENZ, Florian

(51) B64C 11/44
B64C 11/38
B64C 11/48
B64D 27/10
F01D 25/04
B62D 27/00
F01D 25/28
F02C 7/36
B64D 27/00
(11) EP3353401
(21) EP16781515.8
(47) 07.08.2019
(87) FR2016052381
30.03.2017
(22) 20.09.2016
(54) SHOCK ABSORBER ASSEMBLY FOR HYDRAULICALLY AND ELECTRICALLY CONNECTING A NON-STREAMLINED BLOWER
(73) Safran Aircraft Engines
(72) ZAMAI, Laurent
PALIS, Matthieu
(31) 1558881
(32) 21.09.2015
(33) France

(51) B64C 11/50
B64C 29/00
B64D 35/08
B64D 35/04
(11) EP3395680
(21) EP17204970.2
(47) 07.08.2019
(22) 01.12.2017
(54) INTERCONNECT DRIVE SYSTEM
(73) Bell Helicopter Textron Inc.
(72) ELLIOTT, David
STAMPS, Frank Bradley
COLLINS, Bobby
(31) 201715495762
(32) 24.04.2017
(33) United States of America

(51) B64C 13/40
B64C 13/42
(11) EP2557034
(21) EP12179968.8
(47) 07.08.2019
(22) 09.08.2012
(54) Hybrid power system architecture for an aircraft
(73) Hamilton Sundstrand Corporation
(72) Bruno, Louis J.
Jones, Anthony C.
Spierling, Todd A.
DeFrancesco, Gregory L.
(31) 201113207023
(32) 10.08.2011
(33) United States of America

(51) B64C 25/00
B64C 25/58
G01G 19/07
(11) EP2397406
(21) EP10382172.4
(47) 07.08.2019
(22) 14.06.2010
(54) Pin bearing arrangement for aircraft landing gear
(73) Airbus Defence and Space SA
(72) Gago Tripero, Angel Manuel
López Arévalo, José Luis

(51) B64C 25/02
B64C 25/00
(11) EP2815963
(21) EP14165251.1
(47) 07.08.2019
(22) 17.04.2014
(54) Weight reducing landing gear features
(73) Goodrich Corporation
(72) Baird, Bradley William
Lamoreaux, Travis
(31) 201313919781
(32) 17.06.2013
(33) United States of America

(51) B64C 25/36
B64C 25/44
(11) EP3339169
(21) EP17210423.4
(47) 07.08.2019
(22) 22.12.2017
(54) AIRCRAFT LANDING GEAR PROVIDED WITH A BRAKED WHEEL
(73) Safran Landing Systems
(72) DAFFOS, Mathieu
DARRAILLANS, Nicolas
(31) 1663335
(32) 23.12.2016
(33) France

(51) B64C 27/57
G05D 1/08
(11) EP3395682
(21) EP18163876.8
(47) 07.08.2019
(22) 26.03.2018
(54) A DEVICE FOR REGULATING A SETPOINT FOR A SPEED OF ROTATION OF A ROTORCRAFT ROTOR, A ROTORCRAFT FITTED WITH SUCH A DEVICE, AND AN ASSOCIATED METHOD OF REGULATION
(73) Airbus Helicopters
(72) TAHERI, Setareh
CERTAIN, Nicolas
(31) 1770434
(32) 28.04.2017
(33) France

(51) B64C 31/06
(11) EP3077285
(21) EP14828552.1
(47) 07.08.2019
(87) IT2014000296
11.06.2015
(22) 07.11.2014
(54) ARC-SHAPED WING WITH DIFFERENTIATED WING PROFILES
(73) Kite Gen Research S.R.L.
(72) IPPOLITO, Massimo
(31) TO20130987
(32) 04.12.2013
(33) Italy

(51) B64C 37/00
B60F 5/02
(11) EP3315404
(21) EP16195570.3
(47) 07.08.2019
(22) 25.10.2016
(54) CONFIGURABLE TAIL FOR FLYING CAR
(73) AeroMobil R&D, s. r. o.
(72) MACANDREW, Doug
ROOMS, Simon
GREN, Martin

(51) B64C 39/02
(11) EP3310656
(21) EP16733699.9
(47) 07.08.2019
(87) IB2016053470
22.12.2016
(22) 13.06.2016
(54) SECURE WIRE-BASED SYSTEM FOR A DRONE
(73) ELISTAIR
(72) PENET, Timothée, Hervé, Marc, Marie
DE MARLIAVE, Guilhem, Marie, Christian
DUBOIS, Olivier, Bernard, François

(51) B64C 39/02
B64C 39/06
(11) EP3168148
(21) EP16002256.2
(47) 07.08.2019
(22) 21.10.2016
(54) DRONE WITH WIND GUIDE PART
(73) Lee, Jin-Woo
Kim, Hwan-Tae
(72) LEE, Jin-Woo
KIM, Hwan-Tae
(31) 20150148890
(32) 26.10.2015
(33) Korea (Republic)

(51) B64D 1/22
(11) EP3109159
(21) EP15400025.1
(47) 07.08.2019
(22) 22.06.2015
(54) A ROPE SUSPENSION DEVICE WITH AT LEAST ONE ROPE SUSPENSION MODULE
(73) AIRBUS HELICOPTERS DEUTSCHLAND GmbH
(72) Behrens, Michael
Stuetz, Rainer

(51) B64D 1/22
(11) EP3245131
(21) EP16700872.1
(47) 07.08.2019
(87) EP2016050474
21.07.2016
(22) 12.01.2016
(54) WATER SCOOPING APPARATUS FOR FORESTFIRE SUPPRESSANT IN NON-AMPHIBIOUS AIRTANKERS
(73) Jabe Beheer B.v.
(72) BENEDIK, Jack
(31) 2014126
2015444
(32) 13.01.2015
15.09.2015
(33) Netherlands
Netherlands

(51) B64D 9/00
B60P 1/52
B60P 7/135
(11) EP3152113
(21) EP15730593.9
(47) 07.08.2019
(87) US2015033673
10.12.2015
(22) 02.06.2015
(54) DEVICE, SYSTEM, AND METHOD FOR LIMITING MOVEMENT OF A CARGO CONTAINER IN A CARGO AREA
(73) Federal Express Corporation
(72) HINDY, Abdelrazak
(31) 201414295982
(32) 04.06.2014
(33) United States of America

(51) B64D 11/02
(11) EP3052383
(21) EP14741726.5
(47) 07.08.2019
(87) US2014043682
09.04.2015
(22) 23.06.2014
(54) MODULAR LAVATORY SYSTEM
(73) The Boeing Company
(72) MCINTOSH, Darren Carl
(31) 201314045493
(32) 03.10.2013
(33) United States of America

(51) B64D 13/06
(11) EP3100953
(21) EP16173121.1
(47) 07.08.2019
(22) 06.06.2016
(54) ECS WITH MULTIPLE OPERATION MODES AND METHOD
(73) Hamilton Sundstrand Corporation
(72) BRUNO, Louis J.
(31) 201562170916 P
(32) 04.06.2015
(33) United States of America

(51) B64D 13/06
(11) EP3225554
(21) EP17162238.4
(47) 07.08.2019
(22) 22.03.2017
(54) AIRCRAFT AIR CONDITIONING SYSTEM INCLUDING A THERMOELECTRIC DEVICE
(73) Hamilton Sundstrand Corporation
(72) ZYWIAK, Thomas M.
ST. ROCK, Brian
(31) 201615087347
(32) 31.03.2016
(33) United States of America

(51) B64D 15/12
H05B 3/14
B05D 1/22
B05D 3/02
C23C 16/02
C23C 16/32
C23C 16/34
C23C 16/38
C23C 16/40
C23C 16/44
H05B 3/22
(11) EP3147216
(21) EP15186476.6
(47) 07.08.2019
(22) 23.09.2015
(54) ELECTRICAL DE-ICING FOR AIRCRAFT
(73) Airbus Defence and Space GmbH
(72) Steinwandel, Dr. rer. nat. Jürgen
Jonke, Dietrich
Piringer, Helmut

(51) B64D 41/00
(11) EP3173341
(21) EP17151340.1
(47) 07.08.2019
(22) 04.12.2014
(54) NON-PROPULSIVE UTILITY POWER (NPUP) GENERATION SYSTEM FOR PROVIDING SECONDARY POWER IN AN AIRCRAFT
(73) The Boeing Company
(72) KRUG, David S.
KARIMI, Kamiar J.

CURRIER, Thomas F.
BAYLISS, Andrew J.
ROE, George M.
LIFFRING, Mark E.
LESYNA, Mark W.
SEVERNS, Christopher M.
JOHNSON, Andrew
(31) 201314096106
(32) 04.12.2013
(33) United States of America

(51) B64D 43/00
B64C 27/04
(11) EP3309079
(21) EP17191651.3
(47) 07.08.2019
(22) 22.12.2010
(54) POWER SAFETY INSTRUMENT SYSTEM
(73) Bell Helicopter Textron Inc.
(72) McCOLLOUGH, James
OLTHETEN, Erik
LAPPOS, Nicholas

(51) B64D 43/00
B64D 45/00
(11) EP2650744
(21) EP13162667.3
(47) 07.08.2019
(22) 08.04.2013
(54) Standby aircraft management system
(73) The Boeing Company
(72) Cornell, Bradley David
Sandell, Gordon Robert Andrew
(31) 201213445156
(32) 12.04.2012
(33) United States of America

(51) B64D 47/00
(11) EP2588372
(21) EP11804183.9
(47) 07.08.2019
(87) US2011042376
12.01.2012
(22) 29.06.2011
(54) UAV PAYLOAD MODULE CAMERA ASSEMBLY AND RETRACTION MECHANISM
(73) AeroVironment, Inc.
(72) ZWAAN, John, Peter
BELIK, Pavel
DIMOTAKIS, Manolis
D'AQUILA, Christopher J.
(31) 359817 P
359809 P
(32) 29.06.2010
29.06.2010
(33) United States of America
United States of America

(51) B64F 5/10
B64D 11/00
(11) EP3231715
(21) EP17164799.3
(47) 07.08.2019
(22) 04.04.2017
(54) COMMERCIAL AIRCRAFT INTERIOR MONUMENT PROTECTION SYSTEM
(73) The Boeing Company
(72) ABELON, Ryan Nelson Marcelo
HITCHCOCK, Cory M
TRAN, Toai Dac
SMITH Jr, Thomas Ralph
SHAW, Jon Burton
(31) 201615092428
(32) 06.04.2016
(33) United States of America

(51) B64G 1/10
B64G 1/40
B64G 1/42
B64G 1/64
F16L 37/35
(11) EP2588747
(21) EP11801377.0
(47) 07.08.2019
(87) US2011042493
05.01.2012
(22) 30.06.2011
(54) INTERFACE ASSEMBLY FOR SPACE VEHICLES
(73) Carleton Technologies, Inc.
(72) FORDHAM, David
YANDLE, Tom
(31) 360237 P
(32) 30.06.2010
(33) United States of America

(51) B65B 3/12
B65B 3/32
B65B 37/06
B67C 3/20
G01F 11/02
G01F 11/16
G01F 15/00
(11) EP3274260
(21) EP16717419.2
(47) 07.08.2019
(87) FR2016050617
29.09.2016
(22) 21.03.2016
(54) VOLUMETRIC METERING DEVICE FOR CONTAINER FILLING MACHINE
(73) Hema
(72) MACQUET, Philippe
BELLEC, Caroline
LABASQUE, Jean-Baptiste
LIGEN, Erwan
(31) 1552369
(32) 23.03.2015
(33) France

(51) B65B 31/02
B65B 51/14
B65B 59/00
B65B 59/04
(11) EP3115304
(21) EP16174507.0
(47) 07.08.2019
(22) 15.06.2016
(54) VACUUM DEVICE WITH WELDED BEAM COVER
(73) V-Zug AG
(72) Wismer, Martin
(31) 10092015
(32) 10.07.2015
(33) Switzerland

(51) B65B 31/02
B65B 55/02
B65B 1/46
B65B 3/00
B65B 7/16
(11) EP3307629
(21) EP16730292.6
(47) 07.08.2019
(87) EP2016062880
15.12.2016
(22) 07.06.2016
(54) METHOD AND MACHINE FOR FILLING AND SEALING BOTTLES, CARTRIDGES, SYRINGES AND THE LIKE
(73) I.M.A. Industria Macchine Automatiche S.p.A.
(72) TRILLI, Roberto
ANICHINI, Marco
(31) UB20151052
(32) 11.06.2015
(33) Italy

(51) B65B 39/06
B65B 3/12
B65B 39/12
B65B 43/59
B65B 57/14
(11) EP3286089
(21) EP16717918.3
(47) 07.08.2019
(87) EP2016058788
27.10.2016
(22) 20.04.2016
(54) APPARATUS AND METHOD FOR FILLING A PRODUCT INTO A CONTAINER
(73) Tetra Laval Holdings & Finance S.A.
(72) LINDBERG, Peter
EKBERG, Gert
(31) 1550481
(32) 22.04.2015
(33) Sweden

(51) B65B 39/12
B65B 39/06
B65B 57/14
B65B 3/12
B65B 43/59
(11) EP3286091
(21) EP16720068.2
(47) 07.08.2019
(87) EP2016058785
27.10.2016
(22) 20.04.2016
(54) APPARATUS AND METHOD FOR FILLING A PRODUCT INTO A CONTAINER
(73) Tetra Laval Holdings & Finance S.A.
(72) LINDBERG, Peter
EKBERG, Gert
(31) 1550481
(32) 22.04.2015
(33) Sweden

(51) B65B 53/02
B65B 11/10
(11) EP3333091
(21) EP17205095.7
(47) 07.08.2019
(22) 04.12.2017
(54) METHOD FOR WRAPPING OBJECTS
(73) Baumer S.r.l.
(72) GAMBETTI, Debora
(31) 201600124781
(32) 12.12.2016
(33) Italy

(51) B65B 57/00
B65B 9/04

B29C 51/46
B65B 47/02
B29C 65/00
B65B 51/14
B65B 51/10
B29C 65/18
B65B 31/02
(11) EP3331767
(21) EP16754241.4
(47) 07.08.2019
(87) EP2016068902
09.02.2017
(22) 08.08.2016
(54) PACKAGING MACHINE HAVING A PROCESS-CONTROLLED EARLY START FUNCTION
(73) MULTIVAC Sepp Haggenmüller SE & Co. KG
(72) ENDERLE, Tobias
HOLDERIED, Thomas
BOTZENHARDT, Claus
(31) 102015214992
(32) 06.08.2015
(33) Germany

(51) B65D 1/26
B29C 51/08
B31F 1/00
B32B 38/12
(11) EP3066011
(21) EP14857322.3
(47) 07.08.2019
(87) IB2014065410
07.05.2015
(22) 17.10.2014
(54) METHOD AND APPARATUS FOR DEEP-DRAWING A TRAY FROM SHEET MATERIAL
(73) Stora Enso Oyj
(72) RÄSÄNEN, Jari
LINDELL, Henry
NEVALAINEN, Kimmo
TANNINEN, Panu
MATTHEWS, Sami
HILTUNEN, Mari
KYLLIANEN, Outi
(31) 1351301
(32) 04.11.2013
(33) Sweden

(51) B65D 5/00
(11) EP2662299
(21) EP13166744.6
(47) 07.08.2019
(22) 07.05.2013
(54) Container system for the transport or/and sales display of ventilated goods
(73) Engel, Alexander
(72) Engel, Alexander
(31) 102012104020
(32) 08.05.2012
(33) Germany

(51) B65D 8/00
B29C 65/00
B65D 25/16
B65D 77/20
B65D 5/60
B65D 21/02
(11) EP3326928
(21) EP16200964.1
(47) 07.08.2019
(22) 28.11.2016
(54) PACKAGING FOR MODIFIED ATMOSPHERE PACKAGING AND METHOD
(73) Packable B.V.
(72) Zwaga, Ronald

(51) B65D 8/00
B65D 77/06
(11) EP3321202
(21) EP17195023.1
(47) 07.08.2019
(22) 05.10.2017
(54) DEVICE FOR PACKAGING A FLEXIBLE CONTAINER, MIMICKING A BARREL, AND CORRESPONDING MANUFACTURING METHOD
(73) ETS Martin
(72) ARNAUD, Alain
GIRARD, Nicolas
(31) 1660852
(32) 09.11.2016
(33) France

(51) B65D 17/32
(11) EP3292051
(21) EP16722121.7
(47) 07.08.2019
(87) EP2016059942
10.11.2016
(22) 03.05.2016
(54) LID FOR A BEVERAGE CAN
(73) IMV Innovation Marketing und Vertriebs GmbH
(72) HUNDELOH, Thomas
UMBREIT-PLUTA, Andreas
NAGEL, Matthias
(31) 102015208558
(32) 07.05.2015
(33) Germany

(51) B65D 19/44
(11) EP3365239
(21) EP16784858.9
(47) 07.08.2019
(87) EP2016075003
27.04.2017
(22) 19.10.2016
(54) TRANSPORTING APPARATUS FOR SECURING STACKED ARTICLES, AND METHOD FOR SECURING STACKED ARTICLES
(73) Bundesdruckerei GmbH
(72) SPILIOTIS, Manuel
(31) 102015117905
(32) 21.10.2015
(33) Germany

(51) B65D 33/00
B31B 70/94
A47F 13/08
B31B 155/00
B31B 160/20
B31B 170/10
B65H 35/10
B65D 30/20
(11) EP2261130
(21) EP10251073.2
(47) 07.08.2019
(22) 11.06.2010
(54) Consumer bags and processes of manufacture and dispensing systems for consumer bags
(73) HILEX POLY CO. LLC
(72) Wilfong, Harry
(31) 186696 P
(32) 12.06.2009
(33) United States of America

(51) B65D 39/00
G01M 3/02
G01M 3/28
G01N 15/08
(11) EP2597048
(21) EP12193825.2
(47) 07.08.2019
(22) 22.11.2012
(54) Cell for measuring cork permeability
(73) DIAM BOUCHAGE
(72) Rabiot, Dominique
Bosch, Philippe
(31) 1160701
(32) 23.11.2011
(33) France

(51) B65D 41/04
B01L 3/00
(11) EP2934750
(21) EP13821457.2
(47) 07.08.2019
(87) EP2013076872
26.06.2014
(22) 17.12.2013
(54) USE OF SCREW CAP TUBES AND SCREW CAPS FOR COLD STORAGE OF BIOLOGICAL MATERIAL
(73) Greiner Bio-One GmbH
Helmholtz Zentrum München - Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH)
(72) KRANZ, Bernd, Roman
MÜHLFRIEDEL, Sven
(31) 102012025254
(32) 21.12.2012
(33) Germany

(51) B65D 47/08
(11) EP3214008
(21) EP17158691.0
(47) 07.08.2019
(22) 01.03.2017
(54) DRINKING CONTAINERS AND RELATED METHODS
(73) Takeya USA Corporation
(72) BANN, Yukio
(31) 201662302711 P
(32) 02.03.2016
(33) United States of America

(51) B65D 47/18
(11) EP3323753
(21) EP16199378.7
(47) 07.08.2019
(22) 17.11.2016
(54) DISCHARGE HEAD AND LIQUID DISPENSER WITH SUCH A DISCHARGE HEAD
(73) Aptar Radolfzell GmbH
(72) Baumann, Tobias
Bruder, Thomas

(51) B65D 55/08
(11) EP3286101

(21) EP16717373.1
(47) 07.08.2019
(87) EP2016058675
27.10.2016
(22) 19.04.2016
(54) CLOSURE CAPS
(73) Greif International Holding B.V.
(72) FILHO, Diogo, Toshikasu, Kitaoka
DE OLIVEIRA, Pedro, Miguel
(31) 201506691
(32) 20.04.2015
(33) United Kingdom

(51) B65D 65/40
B65D 30/02
B65D 81/38
B65D 85/78
B32B 5/18
B32B 5/20
B32B 27/06
B32B 27/32
B32B 27/36
(11) EP2586723
(21) EP11798264.5
(47) 07.08.2019
(87) JP2011064552
29.12.2011
(22) 24.06.2011
(54) HEAT-INSULATING PACKAGING FILM, PACKAGING BAG, AND PACKAGING BAG HAVING OPENING MEMBER
(73) Hosokawa Yoko Co., Ltd.
(72) ISHIKAWA Daisaku
SHINOHARA Tomonari
KOBAYASHI Yukio
TANAKA Hidekazu
MARU Takashi
KOHNO Hiroshi
AKAMATSU Masayuki
(31) 2010145070
(32) 25.06.2010
(33) Japan

(51) B65D 75/36
B65D 77/20
B65D 83/04
(11) EP2977332
(21) EP14770469.6
(47) 07.08.2019
(87) JP2014054874
25.09.2014
(22) 27.02.2014
(54) PRESS-THROUGH PACKAGE PACKING BODY
(73) Toyo Aluminium Kabushiki Kaisha
(72) NISHIKAWA Hiroyuki
SEKIGUCHI Tomonobu
YAMADA Kazunori
KUBO Hiroshi
SATO Masahiro
CHIBA Shuichi
(31) 2013058062
(32) 21.03.2013
(33) Japan

(51) B65D 75/58
B65D 85/10
(11) EP3206966
(21) EP15780843.7
(47) 07.08.2019
(87) EP2015073719
21.04.2016
(22) 13.10.2015
(54) CONTAINER WITH MULTILAYER SELF-ADHESIVE RECLOSABLE STICKER
(73) Philip Morris Products S.A.
(72) KRASIEV, Sergey
SLOOFF, Arjen Hamilcar
TRITZ, Dorothy
(31) 14188829
(32) 14.10.2014
(33) European Patent Office (EPO)

(51) B65D 81/03
B65D 75/52
(11) EP3388365
(21) EP17165670.5
(47) 07.08.2019
(22) 10.04.2017
(54) AIRTIGHT SHEATH FOR PACKING A BOTTLE
(73) Kunshan Airbag Packing Corp
Liao, Tai-An
(72) LIAO, TAI-AN
LIAO, KAO-SHIUNG
LIAO, PING-YUAN

(51) B65D 81/05
(11) EP2539235
(21) EP11706992.2
(47) 07.08.2019
(87) US2011025243
25.08.2011
(22) 17.02.2011
(54) ENVIRONMENTALLY FRIENDLY CUSHIONING STRUCTURE
(73) Reflex Packaging, Inc.
(72) SMITH, Forrest
(31) 709994
(32) 22.02.2010
(33) United States of America

(51) B65D 81/26
B32B 3/26
B32B 27/00
B65D 33/01
B65D 65/02
B65D 65/38
B65D 81/34
(11) EP2570365
(21) EP11780494.8
(47) 07.08.2019
(87) JP2011059990
17.11.2011
(22) 23.04.2011
(54) GAS-PERMEABLE FILM, MANUFACTURING METHOD THEREFOR, AND PACKAGING BAG USING SAID GAS-PERMEABLE FILM
(73) FUKUMARU CO., LTD.
(72) YAMAMOTO, Masakazu
FUKUYAMA, Katsuyoshi
(31) 2010258996
2010168696
2010111470
(32) 19.11.2010
27.07.2010
13.05.2010
(33) Japan
Japan
Japan

(51) B65D 81/38
B23K 9/00
B23K 9/02
B23K 26/20
H01M 2/10
(11) EP2671820
(21) EP12742432.3
(47) 07.08.2019
(87) JP2012000240
09.08.2012
(22) 17.01.2012
(54) VACUUM INSULATION CONTAINER AND METHOD FOR PRODUCING SAME
(73) NGK Insulators, Ltd.
(72) UMINO, Hisashi
NAKAMURA, Keisuke
SAMPEI, Koji
(31) 2011021225
(32) 02.02.2011
(33) Japan

(51) B65D 83/34
B65D 83/62
B65D 83/38
(11) EP3019420
(21) EP14736708.0
(47) 07.08.2019
(87) EP2014063869
15.01.2015
(22) 30.06.2014
(54) POUCH RESERVOIRS FOR CASINGS USED TO DISPENSE PRESSURISED PRODUCTS AND CASINGS COMPRISING SAME
(73) Inospray
(72) DE MAILLARD, Thibault
BEURCQ, Jean-Luc
(31) 1356841
(32) 11.07.2013
(33) France

(51) B65D 83/42
B05B 11/00
(11) EP2383204
(21) EP09834017.7
(47) 07.08.2019
(87) CN2009072347
01.07.2010
(22) 19.06.2009
(54) PORTABLE CHARGEABLE SPRAYING BOTTLE
(73) Dongguan Yixin Magnetic Disk Co., Ltd
(72) HUI, Yi Ming
WANG, Zhi
(31) 200820206225 U
(32) 26.12.2008
(33) China

(51) B65D 83/68
B65D 83/20
B65D 83/38
B65D 83/40
(11) EP3312107
(21) EP16886247.2
(47) 07.08.2019
(87) JP2016051250
27.07.2017
(22) 18.01.2016
(54) FIXING BASE FOR AEROSOL CONTAINER
(73) Toyo Aerosol Industry Co., Ltd.
(72) SHIMIZU Hirokazu

HANAI Nobuyuki

(51) B65D 85/10
(11) EP3313754
(21) EP16734595.8
(47) 07.08.2019
(87) EP2016064607
29.12.2016
(22) 23.06.2016
(54) CONTAINER FOR CONSUMER GOODS WITH SLIDING PORTION
(73) Philip Morris Products S.A.
(72) CHATELAIN, Lucas
(31) 15174163
(32) 26.06.2015
(33) European Patent Office (EPO)

(51) B65D 85/10
B65D 5/66
(11) EP2576390
(21) EP11719838.2
(47) 07.08.2019
(87) EP2011057996
08.12.2011
(22) 17.05.2011
(54) A PACK FOR SMOKING ARTICLES
(73) British American Tobacco (Investments) Limited
(72) HOLFORD, Steven
(31) 201009321
(32) 03.06.2010
(33) United Kingdom

(51) B65D 85/804
(11) EP3122660
(21) EP15704317.5
(47) 07.08.2019
(87) EP2015053171
01.10.2015
(22) 16.02.2015
(54) COFFEE CAPSULE AND SYSTEM FOR PRODUCING A COFFEE EXTRACT FROM WITH SUCH CAPSULE
(73) Société des Produits Nestlé S.A.
(72) GARCIN, Karine
PELLETIER, Sébastien
GERBAULET, Arnaud
FLICK, Jean-Marc
ABEGGLEN, Daniel
REBELO, Viviane
(31) 14161240
(32) 24.03.2014
(33) European Patent Office (EPO)

(51) B65D 85/804
(11) EP3310693
(21) EP16728312.6
(47) 07.08.2019
(87) EP2016063215
22.12.2016
(22) 09.06.2016
(54) CAPSULE FOR PREPARATION OF BEVERAGES
(73) K-fee System GmbH
(72) KRÜGER, Marc
EMPL, Günter
(31) 102015109608
(32) 16.06.2015
(33) Germany

(51) B65D 85/804
(11) EP3313755
(21) EP16745169.9
(47) 07.08.2019
(87) IB2016053772
29.12.2016
(22) 24.06.2016
(54) SINGLE-DOSE CAPSULE FOR THE PREPARATION OF BEVERAGES
(73) Bisio Progetti S.p.a.
(72) BISIO, Stefano
(31) UB20151704
(32) 26.06.2015
(33) Italy

(51) B65D 85/804
(11) EP3307647
(21) EP16728307.6
(47) 07.08.2019
(87) EP2016063186
15.12.2016
(22) 09.06.2016
(54) CAPSULE WITH A THREE LAYER FLEECE
(73) K-fee System GmbH
(72) KRÜGER, Marc
HANISCH, Marco
EMPL, Günter
(31) 102015210606
(32) 10.06.2015
(33) Germany

(51) B65D 85/804
(11) EP3429942
(21) EP18715809.2
(47) 07.08.2019
(87) IB2018051624
20.09.2018
(22) 12.03.2018
(54) CAPSULE FOR THE PREPARATION OF BEVERAGES
(73) Caffitaly System S.P.A.
(72) ACCURSI, Giovanni
FINI, Roberto
(31) 201700029991
(32) 17.03.2017
(33) Italy

(51) B65D 88/12
(11) EP3199474
(21) EP17150928.4
(47) 07.08.2019
(22) 11.01.2017
(54) TANK CONTAINER
(73) Grentner, Bernhard
Wanek-Pusset, Peter
(72) WANEK-PUSSET Peter
GRENTNER Bernhard
(31) 500382016
(32) 26.01.2016
(33) Austria

(51) B65D 88/40
B65D 88/42
B65D 90/34
(11) EP3231734
(21) EP17166229.9
(47) 07.08.2019
(22) 12.04.2017
(54) AUTOMATIC AERATION DEVICE FOR OIL TANK
(73) Full Most Co., Ltd
(72) Weng, Ming-Chun
Yu, Ming-Tsang
Pen, Wen-Pin
(31) 016205275 U
(32) 14.04.2016
(33) Taiwan, Province of China

(51) B65D 88/52
B65D 90/00
B65D 90/08
(11) EP3107837
(21) EP15707237.2
(47) 07.08.2019
(87) US2015016862
27.08.2015
(22) 20.02.2015
(54) CORNER FITTING FOR A FREIGHT CONTAINER
(73) Kochanowski, George E.
(72) Kochanowski, George E.
(31) 201461942306 P
(32) 20.02.2014
(33) United States of America

(51) B65F 1/14
B65F 1/16
(11) EP2580148
(21) EP11730244.8
(47) 07.08.2019
(87) EP2011059761
15.12.2011
(22) 13.06.2011
(54) WASTE CONTAINER EQUIPPED WITH A COLLECTION DISPLAY DEVICE
(73) Plastic Omnium Systèmes Urbains
(72) PETRI, Jean-Pierre
BOUGUEDRA, David
(31) 1054648
(32) 11.06.2010
(33) France

(51) B65F 1/16
B65F 1/02
B65F 1/12
(11) EP3257789
(21) EP17176023.4
(47) 07.08.2019
(22) 14.06.2017
(54) WASTE DELIVERY CONTAINER COMPRISING A FIRE SHUTTER
(73) Plastic Omnium Systèmes Urbains
(72) TROTON, Jean
(31) 1655680
(32) 17.06.2016
(33) France

(51) B65F 3/00
(11) EP3160872
(21) EP11873824.4
(47) 07.08.2019
(87) US2011055587
18.04.2013
(22) 10.10.2011
(54) REFUSE VEHICLE CONTROL SYSTEM AND METHOD OF CONTROLLING A REFUSE VEHICLE
(73) Volvo Group North America, LLC
(72) SPENCE, William Jason

(51) B65G 1/137
B65G 1/10
B07C 3/08
(11) EP3331780
(21) EP16750889.4

(47) 07.08.2019
(87) FR2016051576
09.02.2017
(22) 27.06.2016
(54) PARCEL HANDLING METHOD USING SHUTTLES, PULL-OUT RACKING AND PLATFORM ELEVATOR TRUCKS
(73) Solystic
(72) CHIROL, Luc
MIETTE, Emmanuel
(31) 1557559
(32) 05.08.2015
(33) France

(51) B65G 29/00
B67C 3/24
B67C 7/00
B65G 47/86
(11) EP3007998
(21) EP14730507.2
(47) 07.08.2019
(87) EP2014062228
18.12.2014
(22) 12.06.2014
(54) CONTAINER CONVEYOR DEVICE
(73) KHS GmbH
(72) FAHLDIECK, Andreas
KRIEG, Andreas
REIMANN, Thomas
(31) 102013106084
(32) 12.06.2013
(33) Germany

(51) B65G 47/68
B65G 47/71
B65G 47/86
(11) EP3263494
(21) EP17178144.6
(47) 07.08.2019
(22) 27.06.2017
(54) DEVICE AND METHOD FOR TRANSFERRING A PLURALITY OF PARALLEL PRODUCT STREAMS TO A SINGLE STREAM OF PRODUCTS OR VICE VERSA
(73) THEEGARTEN-PACTEC GMBH & CO. KG
(72) Bergmann, Matthias
Seibt, Wilfried
Wehner, Gert
(31) 102016111697
(32) 27.06.2016
(33) Germany

(51) B65G 49/06
H01L 21/67
H01L 21/673
(11) EP1744355
(21) EP06076347.1
(47) 07.08.2019
(22) 28.06.2006
(54) Wafer carrier for semiconductor wafers or similar objects
(73) Hanwha Q CELLS GmbH
(72) Killer, Heiko
(31) 102005033859
(32) 12.07.2005
(33) Germany

(51) B65G 53/22
B65G 53/66
(11) EP3344565
(21) EP16745737.3
(47) 07.08.2019
(87) EP2016068265
09.03.2017
(22) 01.08.2016
(54) ENHANCED PRESSURISING OF BULK MATERIAL IN LOCK HOPPERS
(73) Paul Wurth S.A.
(72) SCHMIT, Louis
MULLER, Ben
(31) 92813
(32) 02.09.2015
(33) Luxembourg

(51) B65G 54/02
A22C 17/00
B26D 7/18
B26D 7/32
B65B 25/06
(11) EP3227212
(21) EP15813030.2
(47) 07.08.2019
(87) EP2015079878
23.06.2016
(22) 15.12.2015
(54) CONTAMINATION PROTECTION DURING TRANSPORT OF FOOD PORTIONS
(73) Weber Maschinenbau GmbH Breidenbach
(72) BURK, Alexander
ECKHARDT, Christoph
GERLACH, Jochen
NICHAU, Marco
NISPEL, Thomas
ROTHER, Ingo
VON KEUDELL, Leopold
ZECHER, Steffen
(31) 102014118965
(32) 18.12.2014
(33) Germany

(51) B65G 57/30
(11) EP3260402
(21) EP17171278.9
(47) 07.08.2019
(22) 16.05.2017
(54) CRATE STACKING SYSTEM
(73) Wincor Nixdorf International GmbH
(72) SCHRÖDER, Berthold
(31) 102016109017
(32) 17.05.2016
(33) Germany

(51) B65G 67/28
B65G 69/18
(11) EP3275815
(21) EP17183091.2
(47) 07.08.2019
(22) 25.07.2017
(54) DEVICE FOR RECEIVING BULK GOOD
(73) Rematec GmbH & Co. KG
(72) Steiger, Ulrich
Steiger, Robert
(31) 202016004590 U
(32) 26.07.2016
(33) Germany

(51) B65G 69/00
(11) EP2989033
(21) EP14726717.3
(47) 07.08.2019
(87) GB2014051308
30.10.2014
(22) 25.04.2014
(54) IMPROVED DOCK BUMPER AND METHOD OF REPLACEMENT
(73) A-Fax Limited
(72) SMITH, Luke
(31) 201307516
201414173159
(32) 25.04.2013
05.02.2014
(33) United Kingdom
United States of America

(51) B65H 3/32
B25J 9/00
B65H 5/08
B65H 31/30
B65H 15/02
A21C 9/08
B25J 15/00
B25J 15/02
B65H 31/40
(11) EP3122671
(21) EP15768677.5
(47) 07.08.2019
(87) SE2015050320
01.10.2015
(22) 19.03.2015
(54) METHOD FOR HANDLING STACKS OF FLEXIBLE SUBSTRATES
(73) Yaskawa Nordic AB
(72) CHRISTIANSEN, Henrik
(31) 1450360
(32) 28.03.2014
(33) Sweden

(51) B65H 5/06
B41J 13/076
(11) EP3216729
(21) EP17160016.6
(47) 07.08.2019
(22) 09.03.2017
(54) ROLLER FOR TRANSPORTING A MEDIUM SUCH AS PAPER AND A PRINTING APPARATUS INCLUDING SUCH A ROLLER
(73) Seiko Epson Corporation
(72) TAMURA, Yosaku
NAKAHATA, Akinobu
SUGETA, Teppei
(31) 2016045577
(32) 09.03.2016
(33) Japan

(51) B65H 16/06
B65H 23/08
B65H 16/10
B65H 16/00
B65H 75/18
B65H 16/02
(11) EP3008000
(21) EP14742613.4
(47) 07.08.2019
(87) US2014042175
18.12.2014
(22) 12.06.2014
(54) A STAND FOR A SELF-CONTAINED CARTRIDGE AND METHOD FOR MANUALLY DISPENSING AN EXPANDABLE CUSHIONING WRAP
(73) Ranpak Corp.

(72) PAGE, Brandon
PASSOS, Marcelo
(31) 201361834041 P
(32) 12.06.2013
(33) United States of America

(51) B65H 18/20
(11) EP2502861
(21) EP12159574.8
(47) 07.08.2019
(22) 15.03.2012
(54) Device and method for winding a sheet of material
(73) Voith Patent GmbH
(72) van Haag, Rolf
(31) 102011006161
(32) 25.03.2011
(33) Germany

(51) B65H 19/26
B65H 18/20
F16P 1/04
B65H 19/22
B65H 26/00
(11) EP2733098
(21) EP13192895.4
(47) 07.08.2019
(22) 14.11.2013
(54) A slitter-winder of a fiber web production line
(73) Valmet Technologies, Inc.
(72) Daul, Michael
(31) 201213680843
(32) 19.11.2012
(33) United States of America

(51) B65H 31/30
B65H 83/02
B65H 1/22
B65H 3/04
B65H 5/00
(11) EP2835330
(21) EP14173073.9
(47) 07.08.2019
(22) 19.06.2014
(54) Clamping of media items
(73) NCR Corporation
(72) Sonnenberg, Matthew
Dunn, Frank
(31) 201313959271
(32) 05.08.2013
(33) United States of America

(51) B65H 33/08
B65H 29/18
B65H 29/50
B65H 31/28
B65H 29/14
B65H 31/10
B65H 31/20
B65H 31/30
(11) EP3378813
(21) EP17162291.3
(47) 07.08.2019
(22) 22.03.2017
(54) SHEET STACKER AND METHOD FOR FORMING STACKS OF SHEETS CONTAINING DIFFERENT JOBS OF SHEETS
(73) FOSBER S.p.A.
(72) ADAMI, Mauro

(51) B65H 33/08
B65H 29/52
B65H 29/14
B65H 31/10
(11) EP3305697
(21) EP16843969.3
(47) 07.08.2019
(87) JP2016055659
16.03.2017
(22) 25.02.2016
(54) SHEET STACKING DEVICE, COUNTER EJECTOR AND BOX MAKING MACHINE
(73) Mitsubishi Heavy Industries Machinery Systems, Ltd.
(72) ANDO, Kazuhiro
SUGIMOTO, Kazuya
HATANO, Osamu
IORI, Shinya
(31) 2015178514
(32) 10.09.2015
(33) Japan

(51) B65H 54/10
B65H 54/28
(11) EP2404855
(21) EP11171020.8
(47) 07.08.2019
(22) 22.06.2011
(54) Yarn winding device
(73) Murata Machinery, Ltd.
(72) Muta, Katsufumi
(31) 2010157286
(32) 09.07.2010
(33) Japan

(51) B65H 54/28
B65H 54/32
(11) EP3374304
(21) EP16775721.0
(47) 07.08.2019
(87) EP2016073656
18.05.2017
(22) 04.10.2016
(54) METHOD FOR CONTROLLING AN IMPELLER-TYPE THREAD LAYING DEVICE, IMPELLER-TYPE THREAD LAYING DEVICE, AND WINDING MACHINE
(73) SSM Schärer Schweiter Mettler AG
(72) BÖNI, Franz
(31) 102015222044
(32) 10.11.2015
(33) Germany

(51) B65H 54/28
B65H 54/34
(11) EP3374305
(21) EP16775722.8
(47) 07.08.2019
(87) EP2016073659
18.05.2017
(22) 04.10.2016
(54) THREAD-LAYING DEVICE
(73) SSM Schärer Schweiter Mettler AG
(72) CHRISTE, Marcel
(31) 102015222045
(32) 10.11.2015
(33) Germany

(51) B65H 54/71
B65H 54/88
B65H 67/04
(11) EP3326947
(21) EP17201848.3
(47) 07.08.2019
(22) 15.11.2017
(54) METHOD AND DEVICE FOR WINDING A STRAND OF MATERIAL
(73) Oerlikon Textile GmbH & Co. KG
(72) Sacher, Marco
Schindler, Kenneth
Neubert, Marko
Eckart, David
(31) 102016014118
(32) 25.11.2016
(33) Germany

(51) B65H 57/02
B65H 51/015
B65H 57/16
D01H 5/00
(11) EP3119712
(21) EP15711110.5
(47) 07.08.2019
(87) EP2015055391
24.09.2015
(22) 16.03.2015
(54) SLIVER GUIDE FOR A DRAWING FRAME, AND DRAWING FRAME
(73) Rieter Ingolstadt GmbH
(72) KOVACS, Otmar
MÜLLER, Jürgen
KARALAR, Imadettin
(31) 102014103598
(32) 17.03.2014
(33) Germany

(51) B65H 59/16
H01F 41/094
(11) EP3456671
(21) EP17191323.9
(47) 07.08.2019
(22) 15.09.2017
(54) WIRE BRAKING DEVICE
(73) Aumann Espelkamp GmbH
(72) HAGEDORN, Jürgen

(51) B65H 59/36
B65H 59/38
(11) EP3371083
(21) EP16801841.4
(47) 07.08.2019
(87) IB2016056577
11.05.2017
(22) 02.11.2016
(54) APPARATUS AND METHOD FOR REGULATING WINDING TENSION AS FUNCTION OF BOBBIN DIAMETER
(73) Lohia, Siddharth
(72) Lohia, Siddharth
(31) 1534DE2015
(32) 04.11.2015
(33) India

(51) B66B 1/46
(11) EP2653424
(21) EP10860801.9
(47) 07.08.2019
(87) JP2010072444
21.06.2012
(22) 14.12.2010
(54) CALL REGISTRATION DEVICE OF ELEVATOR
(73) Mitsubishi Electric Corporation

(72) NAGATA, Ayako
KURODA, Shinichi
TAKEUCHI, Nobukazu

(51) B66B 3/00
G01C 21/20
B66B 31/00
(11) EP2984017
(21) EP13726781.1
(47) 07.08.2019
(87) EP2013061379
11.12.2014
(22) 03.06.2013
(54) TRANSPORTATION SYSTEM
(73) KONE Corporation
(72) SALMIKUUKKA, Jukka
KORHONEN, Pekka
VIRTANEN, Ari
KRONKVIST, Kenneth
LÄNSIÖ, Harri

(51) B66B 5/00
B66B 9/00
B66B 11/04
B66B 1/34
(11) EP3224174
(21) EP15791305.4
(47) 07.08.2019
(87) EP2015076140
02.06.2016
(22) 10.11.2015
(54) LIFT SYSTEM HAVING A PLURALITY OF CARS AND A DECENTRALISED SAFETY SYSTEM
(73) thyssenkrupp AG
thyssenkrupp Elevator AG
(72) STEINHAUER, Eduard
GLÜCK, Matthias
ADJIBADJI, Bankole
(31) 102014017486
(32) 27.11.2014
(33) Germany

(51) B66B 7/04
B66B 11/02
B66B 7/02
(11) EP2748094
(21) EP11871301.5
(47) 07.08.2019
(87) US2011048916
28.02.2013
(22) 24.08.2011
(54) ELEVATOR ROLLER GUIDE
(73) Otis Elevator Company
(72) FARGO, Richard N.
PITTS, John T.
HUBBARD, James L.

(51) B66B 7/06
B66B 15/04
(11) EP3255007
(21) EP16173342.3
(47) 07.08.2019
(22) 07.06.2016
(54) ELEVATOR ROPE, ELEVATOR ARRANGEMENT AND ELEVATOR
(73) KONE Corporation
(72) Valjus, Petteri
Helenius, Juha
Pelto-Huikko, Raimo
Kere, Petri

(51) B66B 7/08
B66B 7/06
(11) EP3330210
(21) EP17204919.9
(47) 07.08.2019
(22) 01.12.2017
(54) ELEVATOR SYSTEM SUSPENSION MEMBER TERMINATION WITH IMPROVED PRESSURE DISTRIBUTION
(73) Otis Elevator Company
(72) KUCZEK, Andrzej Ernest
RAMPONE, Joseph C.
(31) 201662429115 P
(32) 02.12.2016
(33) United States of America

(51) B66B 11/00
B66B 11/04
(11) EP3210925
(21) EP17152924.1
(47) 07.08.2019
(22) 10.06.2011
(54) ELEVATOR ASSEMBLY
(73) KONE Corporation
(72) TENHUNEN, Asmo
ALKULA, Petri
HUPPUNEN, Jussi
VIRNES, Mika
SIMBIEROWICZ, Gabriela
(31) 20105661
(32) 10.06.2010
(33) Finland

(51) B66B 13/24
B66B 13/16
(11) EP3293138
(21) EP16306123.7
(47) 07.08.2019
(22) 08.09.2016
(54) ELEVATOR DOOR LOCK SAFETY DEVICE
(73) Otis Elevator Company
(72) DUCHAMP, Loic
BLANCHARD, Arnaud
FOUGERON, Sebastien

(51) B66B 15/04
(11) EP3310701
(21) EP16728290.4
(47) 07.08.2019
(87) EP2016062890
22.12.2016
(22) 07.06.2016
(54) LIFT SYSTEM COMPRISING A PULLEY, WHOSE CONTACT SURFACE COMPRISES AN ANISOTROPIC STRUCTURE.
(73) Inventio AG
(72) CAMBRUZZI, Andrea
ZAPF, Volker
(31) 15172611
(32) 17.06.2015
(33) European Patent Office (EPO)

(51) B66C 1/10
B65G 1/04
B65G 47/90
(11) EP3133039
(21) EP15805915.4
(47) 07.08.2019
(87) JP2015066192
17.12.2015
(22) 04.06.2015
(54) CONTAINER RAISING/LOWERING CONVEYANCE APPARATUS
(73) Daifuku Co., Ltd.
(72) KYOTANI, Hisashi
OGAWA, Kazuki
(31) 2014122243
(32) 13.06.2014
(33) Japan

(51) B66C 1/10
B65G 1/04
B65G 47/90
(11) EP3133042
(21) EP15806687.8
(47) 07.08.2019
(87) JP2015066184
17.12.2015
(22) 04.06.2015
(54) CONTAINER RAISING/LOWERING CONVEYANCE APPARATUS
(73) Daifuku Co., Ltd.
(72) KYOTANI, Hisashi
OGAWA, Kazuki
(31) 2014122242
(32) 13.06.2014
(33) Japan

(51) B66C 13/06
A63J 1/02
A63J 25/00
A63J 5/00
A63G 31/02
A63G 31/16
(11) EP3212559
(21) EP15854994.9
(47) 07.08.2019
(87) US2015024111
06.05.2016
(22) 02.04.2015
(54) SUSPENDED LOAD CARRYING SYSTEM
(73) Oceaneering International Inc.
(72) JENNINGS, Clifford Allen
(31) 201462069428 P
(32) 28.10.2014
(33) United States of America

(51) B66C 23/44
B66C 23/36
(11) EP3353109
(21) EP16781298.1
(47) 07.08.2019
(87) EP2016072459
30.03.2017
(22) 21.09.2016
(54) SYSTEM FOR QUICK COUPLING AND UNCOUPLING OF A TRACKED UNIT WITH RESPECT TO A CHASSIS OF A TRACKED MACHINE, PARTICULARLY A TRACKED PIPE LAYING MACHINE
(73) Euro Pipeline Equipment S.p.A.
(72) PICCININI, Fernando
(31) UB20153881
(32) 24.09.2015
(33) Italy

(51) B66C 23/80
F15B 15/14
(11) EP3272696
(21) EP17178260.0
(47) 07.08.2019

(22) 28.06.2017
(54) CYLINDER/PISTON ASSEMBLY FOR AN OUTRIGGER
(73) Weber-Hydraulik GmbH
(72) Weidemann, Roman
Javdanitehran, Mehdi
Brecht, Thorsten
(31) 102016113510
(32) 21.07.2016
(33) Germany

(51) B66D 1/50
F15B 13/04
F16K 11/00
(11) EP3067309
(21) EP15158476.0
(47) 07.08.2019
(22) 10.03.2015
(54) Control valve for a hydraulic unit and hydraulic system with a corresponding control valve
(73) HAWE Hydraulik SE
(72) Wechsel, Thomas

(51) B66D 3/20
B66C 11/04
B66D 3/26
B66D 3/22
B66C 11/06
(11) EP3150546
(21) EP15799750.3
(47) 07.08.2019
(87) JP2015065661
03.12.2015
(22) 29.05.2015
(54) ROPE HOIST
(73) Kito Corporation
(72) YUDATE, Fujito
FURUKAWA, Kazuho
ITODA, Masayoshi
(31) 2014113376
(32) 30.05.2014
(33) Japan

(51) B66F 3/35
B64F 5/00
(11) EP3303208
(21) EP16751361.3
(47) 07.08.2019
(87) NL2016050406
08.12.2016
(22) 06.06.2016
(54) MODULAR RECOVERY SYSTEM
(73) JPM Beheer B.V.
(72) BAAS, Fred
(31) 2014930
(32) 05.06.2015
(33) Netherlands

(51) B66F 9/14
B65G 1/04
(11) EP3268301
(21) EP16712973.3
(47) 07.08.2019
(87) GB2016000050
15.09.2016
(22) 14.03.2016
(54) LOAD TRANSFER MECHANISM
(73) Translift Spacemate Ltd.
(72) OVERFIELD, Paul, David
BROWN, Simon, Mark
(31) 201504172
(32) 12.03.2015
(33) United Kingdom

(51) B66F 9/22
B66F 9/24
B66F 17/00
(11) EP3252003
(21) EP17174237.2
(47) 07.08.2019
(22) 02.06.2017
(54) HYDRAULIC DRIVE SYSTEM OF AN INDUSTRIAL TRUCK
(73) STILL GmbH
(72) WÜNSCH, Alexander
SURREY, Sebastian
SCHAUER, Sebastian
(31) 102016110310
(32) 03.06.2016
(33) Germany

(51) B67B 3/22
B65B 7/28
B67B 5/03
B65C 3/24
(11) EP3160894
(21) EP15747373.7
(47) 07.08.2019
(87) DE2015100260
30.12.2015
(22) 26.06.2015
(54) DEVICE AND METHOD FOR ATTACHING A CLOSURE CAP TO A SUBSTANTIALLY CYLINDRICAL VESSEL
(73) Morlo Gesellschaft Mit Beschränkter Haftung
(72) UNGER, Michael
UNGER, Wolfgang
(31) 102014108950
(32) 26.06.2014
(33) Germany

(51) B67D 1/04
B67D 1/08
B67D 1/00
F16K 17/04
F16K 17/06
(11) EP3323774
(21) EP17208893.2
(47) 07.08.2019
(22) 09.06.2014
(54) FLUID PRESSURE REGULATOR
(73) Coravin, Inc.
(72) Rider, Mike
Deruntz, Otto
WING, Lee Ka
(31) 201361835114 P
(32) 14.06.2013
(33) United States of America

(51) B67D 3/00
B67B 7/86
(11) EP3386908
(21) EP16813098.7
(47) 07.08.2019
(87) FR2016053158
15.06.2017
(22) 01.12.2016
(54) DEVICE FOR PREPARING A BEVERAGE TASTING AND METHOD FOR OPENING A BEVERAGE CONTAINER USING SUCH A DEVICE
(73) 10-Vins
(72) JARROUSSE, Thibaut
PASQUET, Jérôme
DA SILVA, Luis
(31) 1562002
(32) 08.12.2015
(33) France

(51) B67D 7/02
B67D 1/04
(11) EP3312134
(21) EP17197276.3
(47) 07.08.2019
(22) 19.10.2017
(54) A DEVICE FOR STORING AND DISPENSING A LIQUID
(73) D'Angelosante, Dino
(72) D'Angelosante, Dino
(31) 201600105150
(32) 19.10.2016
(33) Italy

(51) B81B 3/00
B06B 1/02
(11) EP2396274
(21) EP10704182.4
(47) 07.08.2019
(87) GB2010050241
19.08.2010
(22) 12.02.2010
(54) MEMS DEVICE WITH LEAKAGE PATH
(73) Cirrus Logic International Semiconductor Limited
(72) JENKINS, Colin, Robert
HOEKSTRA, Tsjerk, Hans
LAMING, Richard, Ian
(31) 0902480
(32) 13.02.2009
(33) United Kingdom

(51) B81B 3/00
B81B 7/00
G02B 26/08
F21S 41/675
(11) EP2453570
(21) EP11187749.4
(47) 07.08.2019
(22) 03.11.2011
(54) Actuator, protective cover for actuator, actuator manufacturing method, and optical deflector incorporating actuator, and two dimensional optical scanner and image projector incorporating optical scanner
(73) Ricoh Company, Ltd.
(72) Kitazawa, Tomofumi
Akanuma, Goichi
Fujii, Mitsumi
(31) 2010255490
2011186951
(32) 16.11.2010
30.08.2011
(33) Japan
Japan

(51) B81B 3/00
H04R 19/00
H04R 19/01
(11) EP3003965
(21) EP14734339.6
(47) 07.08.2019
(87) US2014040503
04.12.2014

(22) 02.06.2014
(54) TRAPPED MEMBRANE
(73) Robert Bosch GmbH
(72) ZINN, John, W.
(31) 201361829550 P
(32) 31.05.2013
(33) United States of America

(51) B81B 7/00
(11) EP3093267
(21) EP15167271.4
(47) 07.08.2019
(22) 12.05.2015
(54) ELECTRONIC HIGH FREQUENCY COMPONENT
(73) Airbus Defence and Space GmbH
(72) Schönlinner, Bernhard
Prechtel, Ulrich

(51) B82B 1/00
C08K 9/06
A61K 8/26
A61Q 19/00
A61K 8/02
A61K 33/06
A61K 35/02
A61K 36/00
C08K 9/08
A23K 10/30
A23L 29/00
A23L 29/294
A61K 8/9706
A23K 20/28
(11) EP1786862
(21) EP05717471.6
(47) 07.08.2019
(87) FR2005000145
23.03.2006
(22) 21.01.2005
(54) INTERSPERSED CLAY
(73) Olmix
(72) DEMAIS, Hervé
BRENDLE, Jocelyne
LE DEIT, Hervé
LAZA, Anca L.
LURTON, Luc
BRAULT, Dominique
(31) 0409583
(32) 09.09.2004
(33) France

(51) B82Y 30/00
B29C 70/88
B29C 70/02
B64D 45/02
C08J 5/00
(11) EP3228585
(21) EP16164424.0
(47) 07.08.2019
(22) 08.04.2016
(54) STRUCTURAL FIBRE-REINFORCED COMPONENT WITH LIGHTNING STRIKE PROTECTION BY USING CARBON NANO TUBE MATS AND METALLIC LAYERS
(73) Airbus Defence and Space GmbH
(72) Karch, Christian
Lenczowski, Blanka
Wolfrum, Johannes
Yeshurun, Yehoshua

(51) C01B 3/38
C10G 45/00
(11) EP3330220
(21) EP16400055.6
(47) 07.08.2019
(22) 05.12.2016
(54) METHOD OF MANUFACTURING A FEED FLOW FOR A STEAM REFORMING INSTALLATION
(73) L'AIR LIQUIDE, SOCIÉTÉ ANONYME POUR L'ÉTUDE ET L'EXPLOITATION DES PROCÉDÉS GEORGES CLAUDE
(72) Swatantra, Kumar Shrivastava
Mrityunjoy, Samaddar

(51) C01B 3/38
F23C 5/08
(11) EP3153464
(21) EP15400043.4
(47) 07.08.2019
(22) 05.10.2015
(54) STEAM REFORMER FOR THE PRODUCTION OF SYNTHESIS GAS
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) Coscia, Antonio
Hassler, Nathanael

(51) C01B 13/02
(11) EP2990378
(21) EP14182423.5
(47) 07.08.2019
(22) 27.08.2014
(54) Zeolite components for use in solid chemical oxygen generators
(73) Diehl Aviation Gilching GmbH
(72) Kallfass, Christoph

(51) C01B 15/013
C07D 303/04
(11) EP3052439
(21) EP14777659.5
(47) 07.08.2019
(87) EP2014071121
09.04.2015
(22) 02.10.2014
(54) PROCESS FOR MANUFACTURING A PURIFIED AQUEOUS HYDROGEN PEROXIDE SOLUTION
(73) Solvay SA
(72) CARLIER, Juan-Teva
DOURNEL, Pierre
VENBRUX, Henk
HOOGHE, Lieven
(31) 13187128
14175503
(32) 02.10.2013
03.07.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C01B 21/26
C01B 21/40
B01J 19/24
(11) EP2953894
(21) EP14706473.7
(47) 07.08.2019
(87) EP2014000333
14.08.2014
(22) 07.02.2014
(54) PROCESS AND PRODUCTION PLANT FOR PREPARING NITRIC ACID
(73) Messer Group GmbH
Messer Austria GmbH
(72) BACHLEITNER, Walter
BERGER, Thomas
ROHOVEC, Joachim
(31) 102013002201
(32) 07.02.2013
(33) Germany

(51) C01B 23/00
B01D 53/04
F25J 3/04
(11) EP2961687
(21) EP14709861.0
(47) 07.08.2019
(87) US2014019225
04.09.2014
(22) 28.02.2014
(54) ARGON PRODUCTION METHOD AND APPARATUS
(73) Praxair Technology, Inc.
(72) HOWARD, Henry, E.
KECHAGIA, Persenfoni, E.
BARRRETT, Philip, A.
HANDLEY, James, R.
(31) 201361771468 P
201414192003
(32) 01.03.2013
27.02.2014
(33) United States of America
United States of America

(51) C01B 25/163
C05D 1/00
C01B 25/26
C05B 13/06
B01D 9/00
B01D 11/04
C01B 25/30
C05B 7/00
C05B 17/00
(11) EP2867160
(21) EP13809225.9
(47) 07.08.2019
(87) IL2013050551
03.01.2014
(22) 27.06.2013
(54) CONTINUOUS PROCESS FOR MANUFACTURING A NEUTRAL GRANULAR P/K FERTILIZER
(73) Rotem Amfert Negev Ltd.
(72) AVIV, Talia
COHEN, Uri, Sasson
ORGIL, Doron
AROCH, Itsik
(31) 22068512
(32) 28.06.2012
(33) Israel

(51) C01B 32/158
C01B 32/168
C01B 32/174
B01J 21/18
H01M 4/96
H01G 11/34
B01D 71/02
A61L 27/44
C02F 1/44
(11) EP2231516
(21) EP08872468.7
(47) 07.08.2019

(87) FR2008001627
20.08.2009
(22) 20.11.2008
(54) AEROGELS OF CARBON NANOTUBES
(73) Centre National de la Recherche Scientifique (CNRS)
(72) PÉNICAUD Alain
(31) 0708167
(32) 21.11.2007
(33) France

(51) C01B 33/035
C30B 33/06
B23K 20/06
B23K 20/26
B23K 101/00
B23K 103/08
(11) EP3162487
(21) EP15811001.5
(47) 07.08.2019
(87) KR2015006587
30.12.2015
(22) 26.06.2015
(54) POLYSILICON FILAMENT BINDING DEVICE USING POLYSILICON FRAGMENTS
(73) OCI Company Ltd.
(72) KANG, Byung-Chang
KIM, Chang-Ryol
(31) 20140079452
(32) 27.06.2014
(33) Korea (Republic)

(51) C01B 33/12
H01L 31/028
H01L 31/18
H01L 33/00
H01L 33/06
H01L 33/26
H01L 29/16
C01B 32/184
H01L 31/0352
(11) EP3159944
(21) EP16178407.9
(47) 07.08.2019
(22) 07.07.2016
(54) PHOTOELECTRONIC DEVICE USING HYBRID STRUCTURE OF SILICA NANOPARTICLES-GRAPHENE QUANTUM DOTS AND METHOD OF MANUFACTURING THE SAME
(73) University-Industry Cooperation Group of Kyung Hee University
(72) CHOI, Suk Ho
KIM, Sung
(31) 20150145614
(32) 19.10.2015
(33) Korea (Republic)

(51) C01B 39/02
C01B 39/30
C01B 39/48
B01J 29/50
C07C 1/20
(11) EP3353114
(21) EP16770618.3
(47) 07.08.2019
(87) US2016051443
30.03.2017
(22) 13.09.2016
(54) METHOD FOR PREPARING ZEOLITE SSZ-98
(73) Chevron U.S.A. Inc.
(72) XIE, Dan
LEW, Christopher Michael
(31) 201514865631
(32) 25.09.2015
(33) United States of America

(51) C01B 39/48
(11) EP3191405
(21) EP15760528.8
(47) 07.08.2019
(87) US2015020110
17.03.2016
(22) 12.03.2015
(54) MOLECULAR SIEVE SSZ-101
(73) Chevron U.S.A. Inc.
(72) DAVIS, Tracy Margaret
SCHMIDT, Joel
XIE, Dan
(31) 201414480818
(32) 09.09.2014
(33) United States of America

(51) C01B 39/54
B01J 29/85
C07D 211/14
B01J 37/04
B01J 37/10
B01J 37/00
C30B 7/10
C30B 29/14
B01J 29/70
B01J 29/72
B01J 29/74
B01J 29/76
(11) EP3153471
(21) EP15802461.2
(47) 07.08.2019
(87) ES2015070438
10.12.2015
(22) 03.06.2015
(54) SYNTHESIS OF SAPO-18
(73) Consejo Superior de Investigaciones Cientificas (CSIC)
Universidad Politécnica de Valencia
(72) CORMA CANÓS, Avelino
MOLINER MARÍN, Manuel
MARTÍNEZ FRANCO, Raquel
(31) 201430852
(32) 03.06.2014
(33) Spain

(51) C01F 7/44
C01B 13/18
B01J 8/18
B01J 8/26
B01J 8/38
B01J 8/00
(11) EP3303222
(21) EP16732456.5
(47) 07.08.2019
(87) EP2016062451
08.12.2016
(22) 02.06.2016
(54) PROCESS AND SYSTEM FOR THERMAL TREATMENT OF GRANULAR SOLIDS
(73) Outotec (Finland) Oy
(72) STRÖDER, Michael
STURM, Peter
MISSALLA, Michael
KLETT, Cornelis
(31) 102015108722
(32) 02.06.2015
(33) Germany

(51) C01G 23/00
C01G 23/047
C01G 23/053
(11) EP3371104
(21) EP16778025.3
(47) 07.08.2019
(87) EP2016073964
13.04.2017
(22) 07.10.2016
(54) DIRECT SYNTHESIS OF CARBON DOPED TIO2-BRONZE NANOSTRUCTURES AS ANODE MATERIALS FOR HIGH PERFORMANCE LITHIUM BATTERIES
(73) Fondazione Istituto Italiano di Tecnologia
(72) CAPIGLIA, Claudio
PROIETTI ZACCARIA, Remo
GORIPARTI, Subrahmanyam
MIELE, Ermanno
DE ANGELIS, Francesco
(31) 201562238756 P
(32) 08.10.2015
(33) United States of America

(51) C01G 45/00
C01G 53/00
H01M 4/505
(11) EP3092199
(21) EP15700777.4
(47) 07.08.2019
(87) GB2015050023
16.07.2015
(22) 08.01.2015
(54) DOPED NICKELATE COMPOUNDS
(73) Faradion Ltd.
(72) BARKER, Jeremy
HEAP, Richard
(31) 201400347
(32) 09.01.2014
(33) United Kingdom

(51) C02F 1/40
C02F 3/22
B01D 21/24
B03D 1/26
F04F 1/18
C02F 3/12
(11) EP2743515
(21) EP13005797.9
(47) 07.08.2019
(22) 12.12.2013
(54) Water raising device for raising purified water from a purification basin
(73) KLARO GmbH
(72) Schütz, Waldemar
(31) 102012024832
(32) 17.12.2012
(33) Germany

(51) C02F 1/463
C02F 1/461
C02F 103/08
(11) EP3204335
(21) EP15849564.8
(47) 07.08.2019
(87) US2015053162

14.04.2016
(22) 30.09.2015
(54) ELECTROCOAGULATION REACTOR
(73) De Nora Water Technologies, LLC
(72) CASBEER, Dana
KNIGHT, Larry
MATOUSEK, Rudolf
BARIYA, Rubin
(31) 201462061982 P
(32) 09.10.2014
(33) United States of America

(51) C02F 1/467
C02F 1/42
C02F 101/16
(11) EP1982960
(21) EP08251097.5
(47) 07.08.2019
(22) 27.03.2008
(54) WATER TREATMENT PROCESS
(73) Rohm and Haas Company
(72) Parker, Garth R.
(31) 912015 P
(32) 16.04.2007
(33) United States of America

(51) C02F 1/469
(11) EP3279152
(21) EP17176760.1
(47) 07.08.2019
(22) 20.06.2017
(54) CAPACITIVE DEIONIZATION ELECTRODE MODULE AND WATER TREATMENT APPARATUS AND METHOD CAPABLE OF SAVING ENERGY USING THE SAME
(73) Doosan Heavy Industries & Construction Co., Ltd.
(72) Choi, Hyunsung
Kim, Seongju
You, Jangyong
Choi, Seokho
Hwang, Jaedong
(31) 20160100046
20160100047
(32) 05.08.2016
05.08.2016
(33) Korea (Republic)
Korea (Republic)

(51) C02F 11/04
C10L 3/10
G01F 3/26
G01F 3/30
G01N 33/00
(11) EP2419385
(21) EP10764736.4
(47) 07.08.2019
(87) SE2010050372
21.10.2010
(22) 01.04.2010
(54) SYSTEM SETUP AND METHOD FOR BIOLOGICAL METHANE POTENTIAL TEST AND USE OF THE SYSTEM SETUP
(73) Bioprocess Control Sweden AB
(72) LIU, Jing
(31) 0950240
202860 P
(32) 14.04.2009
14.04.2009
(33) Sweden

United States of America

(51) C03B 17/06
C03B 17/02
(11) EP2991937
(21) EP14729524.0
(47) 07.08.2019
(87) US2014035767
06.11.2014
(22) 29.04.2014
(54) APPARATUS AND METHOD FOR THERMAL PROFILE CONTROL IN AN ISOPIPE
(73) Corning Incorporated
(72) COPPOLA, Frank
GOLYATIN, Vladislav Yuryevich
KERSTING, John Jerry
KOCATULUM, Bulent
MASHEWSKE, Monica Jo
WESOLOWSKI, Piotr Janusz
XIE, Xi
(31) 201361817423 P
201361819989 P
(32) 30.04.2013
06.05.2013
(33) United States of America
United States of America

(51) C03C 3/087
C03C 3/095
F24C 15/10
C03C 3/097
C03C 4/02
C03C 10/00
(11) EP2864263
(21) EP13730606.4
(47) 07.08.2019
(87) EP2013063223
03.01.2014
(22) 25.06.2013
(54) GLASS-CERAMIC AND PROCESS FOR THE PRODUCTION THEREOF
(73) SCHOTT AG
(72) GABEL, Falk
SIEBERS, Friedrich
WEISS, Evelin
(31) 102012105576
(32) 26.06.2012
(33) Germany

(51) C03C 3/087
C03C 3/097
C03C 4/02
C03C 10/00
F24C 15/10
(11) EP2864264
(21) EP13731140.3
(47) 07.08.2019
(87) EP2013063220
03.01.2014
(22) 25.06.2013
(54) Use of iron oxide and/or cerium oxide as decolourising agent for lithium aluminosilicate glass-ceramic articles
(73) SCHOTT AG
(72) GABEL, Falk
SIEBERS, Friedrich
SCHIFFNER, Ulrich
WEISS, Evelin
(31) 102012105572
(32) 26.06.2012
(33) Germany

(51) C03C 17/00
(11) EP2867178
(21) EP13731239.3
(47) 07.08.2019
(87) US2013045787
09.01.2014
(22) 14.06.2013
(54) ANTIREFLECTIVE COATING FOR GLASS CONTAINERS
(73) Owens-Brockway Glass Container INC.
(72) REMINGTON, Michael, J. Jr.
SHARMA, Pramod K.
BAKER, Daniel
(31) 201213539808
(32) 02.07.2012
(33) United States of America

(51) C04B 7/52
C04B 28/04
C09K 8/46
(11) EP2508495
(21) EP12172257.3
(47) 07.08.2019
(22) 05.09.2008
(54) Method for sealing or fixing porous bodies, stones or porous formations with extremely fine cement
(73) EPG (Engineered nanoProducts Germany) AG
(72) Genolet, Louis
Schmidt, Helmut
(31) 102007042078
(32) 05.09.2007
(33) Germany

(51) C04B 28/00
C04B 14/10
C04B 103/32
(11) EP2467349
(21) EP10762739.0
(47) 07.08.2019
(87) FR2010051746
24.02.2011
(22) 20.08.2010
(54) GEOPOLYMER CEMENT AND USE THEREOF
(73) Institut Francais Des Sciences Et Technologies Des Transports De L'Amenagement Et Des Reseaux (IFSTTAR)
(72) HUYNH, Hieu, Thao
(31) 0955740
(32) 21.08.2009
(33) France

(51) C04B 28/02
C04B 28/26
C04B 111/10
(11) EP2658823
(21) EP11808528.1
(47) 07.08.2019
(87) US2011066347
05.07.2012
(22) 21.12.2011
(54) LIGHTWEIGHT FLY ASH BASED COMPOSITION
(73) United States Gypsum Company
(72) PEREZ-PENA, Marianela
(31) 201061428839 P
201113312814
(32) 30.12.2010

06.12.2011
(33) United States of America
United States of America

(51) C04B 28/14
C04B 11/00
(11) EP2858964
(21) EP13727147.4
(47) 07.08.2019
(87) EP2013061553
12.12.2013
(22) 05.06.2013
(54) METHOD FOR STABILIZING BETA-HEMIHYDRATE PLASTER AND STABILIZED BETA-HEMIHYDRATE PLASTER
(73) Etex Building Performance International SAS
(72) ASCHERN, Winfried
BOLD, Jörg
(31) 12171114
(32) 06.06.2012
(33) European Patent Office (EPO)

(51) C04B 35/14
(11) EP3162778
(21) EP14814656.6
(47) 07.08.2019
(87) CN2014079963
23.12.2015
(22) 16.06.2014
(54) METHOD FOR PREPARING POROUS CERAMICS
(73) Shenzhen Smoore Technology Limited
Hunan Zhengyuan Institute For Energy Storage Materials And Devices
(72) LIU, Pingkun
ZHOU, Hongming
LI, Jian
XIA, Qinglu

(51) C04B 35/581
H01S 5/022
(11) EP3144287
(21) EP15792229.5
(47) 07.08.2019
(87) JP2015061415
19.11.2015
(22) 14.04.2015
(54) ALN SINTERED COMPACT, ALN SUBSTRATE AND METHOD OF PRODUCING ALN SUBSTRATE
(73) Sumitomo Electric Industries, Ltd.
(72) AWATA, Hideaki
YOSHIDA, Katsuhito
SOGABE, Koichi
HIROSE, Yoshiyuki
ITOH, Yasushi
UENISHI, Noboru
KONDO,Yuka
ISHIDU, Sadamu
YAMAMOTO, Takehisa
(31) 2014098505
(32) 12.05.2014
(33) Japan

(51) C04B 35/80
C04B 41/68
C04B 35/14
C04B 35/18
C04B 35/195
C04B 35/626
C04B 35/63
C04B 28/24
C04B 41/50
C04B 41/00
C04B 35/632
(11) EP2692712
(21) EP12763683.5
(47) 07.08.2019
(87) JP2012002241
04.10.2012
(22) 30.03.2012
(54) METHOD OF HARDENING A SHAPED ARTICLE
(73) Nichias Corporation
(72) KISHIKI, Tomohiko
MIHARA, Tetsuya
YONAIYAMA, Ken
ISHIHARA, Tetsuya
(31) 2011074261
(32) 30.03.2011
(33) Japan

(51) C04B 38/00
C01B 39/38
C01B 39/20
C01B 39/26
C01B 39/46
C01B 39/54
(11) EP2234938
(21) EP08855986.9
(47) 07.08.2019
(87) US2008013039
11.06.2009
(22) 21.11.2008
(54) ZEOLITE-BASED HONEYCOMB BODY
(73) Corning Incorporated
(72) OGUNWUMI, Steven Bolaji
TEPESCH, Patrick David
WUSIRIKA, Raja Rao
(31) 4783 P
(32) 30.11.2007
(33) United States of America

(51) C04B 41/70
(11) EP2996999
(21) EP14729978.8
(47) 07.08.2019
(87) NL2014050307
20.11.2014
(22) 16.05.2014
(54) BIO-BASED REPAIR METHOD FOR CONCRETE
(73) Green-Basilisk B.V.
(72) WIKTOR, Virginie Aline Christiane
JONKERS, Hendrik Marius
(31) 2010818
(32) 17.05.2013
(33) Netherlands

(51) C05F 11/02
C05F 17/00
C12M 1/00
(11) EP2663614
(21) EP11849756.9
(47) 07.08.2019
(87) US2011064431
21.06.2012
(22) 12.12.2011
(54) INTEGRATED COAL TO LIQUIDS PROCESS AND SYSTEM WITH CO2 MITIGATION USING ALGAL BIOMASS
(73) Accelergy Corporation
(72) FIATO, Rocco, A.
BAUMAN, Richard, F.
ZACZEPINSKI, Sioma
BISIO, Attilio
(31) 422645 P
(32) 13.12.2010
(33) United States of America

(51) C05G 3/00
A01N 25/00
A01N 25/26
A01P 3/00
A01P 7/00
A01P 11/00
A01P 13/00
A01P 21/00
B01J 2/00
(11) EP2554528
(21) EP11762478.3
(47) 07.08.2019
(87) JP2011055019
06.10.2011
(22) 04.03.2011
(54) Coated granular material and method for producing coated granular material
(73) Central Glass Company, Limited
(72) FUJII, Hiroyuki
OKADA, Nobuhiro
SUETA, Hideaki
TANAKA, Tadashi
MORITA, Kazuyoshi
(31) 2011026782
2010081365
(32) 10.02.2011
31.03.2010
(33) Japan
Japan

(51) C06D 5/00
C06B 31/00
C06B 31/02
C06B 43/00
C06C 7/00
B60R 21/264
(11) EP2444383
(21) EP10777699.9
(47) 07.08.2019
(87) JP2010058154
25.11.2010
(22) 14.05.2010
(54) GAS GENERANT COMPOSITION
(73) Daicel Corporation
(72) KOBAYASHI, Syouji
(31) 2009122918
(32) 21.05.2009
(33) Japan

(51) C07B 59/00
C07B 63/00
A61K 51/04
A61K 51/08
A61K 51/12
B01D 15/20
B01D 15/22
B01D 15/32
B01D 15/42
C07K 1/13
C07K 1/14
C07K 14/00
(11) EP3083526
(21) EP14815726.6

(47) 07.08.2019
(87) EP2014078608
25.06.2015
(22) 18.12.2014
(54) PURIFICATION METHOD AND COMPOSITIONS
(73) GE Healthcare Limited
(72) ENGELL, Torgrim
MEIJER, Andreas, Richard
KHAN, Imitiaz Ahmed
NAIRNE, Robert James
MCROBBIE, Graeme
(31) 201322451
(32) 18.12.2013
(33) United Kingdom

(51) C07C 1/04
C10G 2/00
(11) EP3368499
(21) EP16766441.6
(47) 07.08.2019
(87) US2016050490
04.05.2017
(22) 07.09.2016
(54) PROCESS TO CONVERT SYNTHESIS GAS TO OLEFINS OVER A BIFUNCTIONAL CHROMIUM OXIDE/ ZINC OXIDE-SAPO-34 CATALYST
(73) Dow Global Technologies LLC
(72) NIESKENS, Davy
SANDIKCI, Aysegul, Ciftci
GROENENDIJK, Peter E.
MALEK, Andrzej
(31) 201562248585 P
(32) 30.10.2015
(33) United States of America

(51) C07C 1/20
B01J 37/28
B01J 29/40
(11) EP2303806
(21) EP09769284.2
(47) 07.08.2019
(87) EP2009057889
30.12.2009
(22) 24.06.2009
(54) PROCESS TO MAKE OLEFINS FROM OXYGENATES
(73) TOTAL RESEARCH & TECHNOLOGY FELUY
(72) NESTERENKO, Nikolai
VERMEIREN, Walter
GRASSO, Giacomo
VAN DONK, Sander
GARCIA, Wolfgang
(31) 08158924
09154232
09154234
(32) 25.06.2008
03.03.2009
03.03.2009
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) C07C 1/20
B01J 37/28
B01J 29/40
C10G 11/05
B01J 27/16
(11) EP2303807
(21) EP09769285.9
(47) 07.08.2019
(87) EP2009057890
30.12.2009
(22) 24.06.2009
(54) PROCESS TO MAKE OLEFINS FROM OXYGENATES
(73) TOTAL RESEARCH & TECHNOLOGY FELUY
(72) NESTERENKO, Nikolai
VERMEIREN, Walter
GRASSO, Giacomo
VAN DONK, Sander
GARCIA, Wolfgang
(31) 08158924
09154232
09154236
(32) 25.06.2008
03.03.2009
03.03.2009
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) C07C 1/20
B01J 37/28
B01J 29/40
C10G 11/05
B01J 27/16
(11) EP2300396
(21) EP09769283.4
(47) 07.08.2019
(87) EP2009057888
30.12.2009
(22) 24.06.2009
(54) PROCESS TO MAKE OLEFINS FROM OXYGENATES
(73) TOTAL RESEARCH & TECHNOLOGY FELUY
(72) NESTERENKO, Nikolai
VERMEIREN, Walter
GRASSO, Giacomo
VAN DONK, Sander
GARCIA, Wolfgang
(31) 08158924
09154232
09154233
(32) 25.06.2008
03.03.2009
03.03.2009
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) C07C 2/32
C07C 11/02
C07C 11/10
(11) EP3257873
(21) EP16749387.3
(47) 07.08.2019
(87) KR2016001146
18.08.2016
(22) 02.02.2016
(54) METHOD FOR PREPARING OLIGOMERIZATION CATALYST SYSTEM, AND OLIGOMERIZATION CATALYST SYSTEM PREPARED BY SAME
(73) LG Chem, Ltd.
(72) IM, Seul Ki
LEE, Yong Ho
SHIN, Eun Ji
PARK, Jin Young
SA, Seok Pil
LEE, Ki Soo
(31) 20150021784
20150118964
(32) 12.02.2015
24.08.2015
(33) Korea (Republic)
Korea (Republic)

(51) C07C 2/40
C07C 5/03
(11) EP3245178
(21) EP16700277.3
(47) 07.08.2019
(87) EP2016050398
21.07.2016
(22) 11.01.2016
(54) CATALYTIC PROCESS FOR DIENE DIMERIZATION
(73) Centre National de la Recherche Scientifique
Université Claude Bernard Lyon I
TOTAL RAFFINAGE CHIMIE
Ecole Superieure de Chimie Physique Electronique de Lyon
(72) TAOUFIK, Mostafa
SZETO, Kai Chung
RIOS NEYRA, Cesar
(31) 15305021
15306301
(32) 12.01.2015
20.08.2015
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C07C 5/333
C07C 11/02
(11) EP3333143
(21) EP17204866.2
(47) 07.08.2019
(22) 01.12.2017
(54) DEHYDROGENATION OF OLEFIN-RICH HYDROCARBON MIXTURES
(73) Evonik Degussa GmbH
(72) Stochniol, Guido
Franke, Robert
(31) 16202840
(32) 08.12.2016
(33) European Patent Office (EPO)

(51) C07C 7/12
C07C 7/13
C07C 7/20
C07C 5/327
(11) EP3010875
(21) EP14813480.2
(47) 07.08.2019
(87) US2014042043
24.12.2014
(22) 12.06.2014
(54) PROCESS FOR HIGH TEMPERATURE REMOVAL OF TRACE CHLORIDE CONTAMINANTS IN A CATALYTIC DEHYDROGENATION PROCESS
(73) UOP LLC
(72) LUEBKE, Charles P.
GORAWARA, Jayant K.
KANAZIREV, Vladislav I.
(31) 201313922071

(32) 19.06.2013
(33) United States of America

(51) C07C 7/144
B01D 53/22
B01D 71/02
C07C 11/04
C07C 11/06
(11) EP2891644
(21) EP13832831.5
(47) 07.08.2019
(87) JP2013073450
06.03.2014
(22) 30.08.2013
(54) METHOD FOR RECOVERING OLEFIN
(73) NGK Insulators, Ltd.
(72) NODA, Kenichi
(31) 2012191953
(32) 31.08.2012
(33) Japan

(51) C07C 17/20
C07C 21/18
B01J 23/26
(11) EP2773606
(21) EP12846743.8
(47) 07.08.2019
(87) US2012063331
10.05.2013
(22) 02.11.2012
(54) PROCESS FOR PRODUCING 2,3,3,3-TETRAFLUOROPROPENE
(73) Honeywell International Inc.
(72) WANG, Haiyou
TUNG, Hsueh Sung
BEKTESEVIC, Selma
MERKEL, Daniel C.
(31) 201161555732 P
(32) 04.11.2011
(33) United States of America

(51) C07C 17/25
C07C 17/383
C07C 21/18
C07C 17/23
C07C 17/358
(11) EP2586762
(21) EP11798217.3
(47) 07.08.2019
(87) JP2011064422
29.12.2011
(22) 23.06.2011
(54) PRODUCTION METHOD FOR 1,1-DICHLORO-2,3,3,3-TETRA-FLUOROPROPENE AND 2,3,3,3-TETRAFLUOROPROPENE
(73) AGC Inc.
(72) SEKI, Ryuji
OKAMOTO, Hidekazu
TAKAGI, Hirokazu
KAWAGUCHI, Satoshi
(31) 2010142279
(32) 23.06.2010
(33) Japan

(51) C07C 29/151
(11) EP2637991
(21) EP11778547.7
(47) 07.08.2019
(87) EP2011068013
18.05.2012
(22) 14.10.2011
(54) METHOD AND APPARATUS FOR THE CARBON DIOXIDE BASED METHANOL SYNTHESIS
(73) Silicon Fire AG
(72) MEYER-PITTROFF, Roland
(31) PCT/EP2010/067182
(32) 10.11.2010
(33) World Intellectual Property Office (WIPO)

(51) C07C 43/307
C07C 45/49
C07C 45/62
C07C 17/12
C07C 25/02
C07C 47/542
C07C 47/228
(11) EP3089956
(21) EP15793851.5
(47) 07.08.2019
(87) EP2015076471
19.05.2016
(22) 12.11.2015
(54) PROCESS
(73) Givaudan SA
(72) CHI-LAM, Tse
LOVCHIK, Martin Alan
ELLWOOD, Simon
GOEKE, Andreas
(31) 201420111
(32) 12.11.2014
(33) United Kingdom

(51) C07C 45/35
C07C 47/22
C07C 51/235
C07C 51/25
C07C 57/05
C07C 57/055
(11) EP2407445
(21) EP09841436.0
(47) 07.08.2019
(87) JP2009054442
16.09.2010
(22) 09.03.2009
(54) OXIDIZED ORGANIC COMPOUND MANUFACTURING METHOD
(73) Nippon Shokubai Co., Ltd.
(72) TANIMOTO, Michio
HAKOZAKI, Nobuyuki

(51) C07C 49/248
C07C 309/67
C07D 211/06
A61K 31/121
A61P 35/00
(11) EP3045445
(21) EP16152929.2
(47) 07.08.2019
(22) 16.08.2011
(54) 1,5-DIPHENYL-PENTA-1,4-DIEN-3-ONE COMPOUNDS
(73) THE UNIVERSITY OF TOKYO
AndroScience Corporation
(72) SHIH, Charles C-Y
KITUMURA, Toshio
SHI, Qian
KAWASHIMA, Toshiyuki
WANG, Hui-Kang
(31) 375534 P
(32) 20.08.2010
(33) United States of America

(51) C07C 51/285
C07C 53/08
C07B 41/08
C07C 205/58
C07C 317/44
C07C 315/04
C07D 213/79
C07D 213/803
C07C 253/30
C07D 213/60
C07C 201/12
C07C 205/56
C07C 205/11
(11) EP3222606
(21) EP15864805.5
(47) 07.08.2019
(87) CN2015090740
09.06.2016
(22) 25.09.2015
(54) CARBOXYLIC ACID PREPARATION METHOD
(73) Zhejiang Zhuji United Chemicals Co., Ltd
(72) SU, Yehua
SHI, Jieping
LU, Jianxin
ZHANG, Tianhao
YU, Xiaohua
CAI, Guoping
CHEN, Bangchi
(31) 201410724646
(32) 02.12.2014
(33) China

(51) C07C 57/04
(11) EP2836477
(21) EP13719330.6
(47) 07.08.2019
(87) US2013036163
17.10.2013
(22) 11.04.2013
(54) CATALYSTS FOR THE PRODUCTION OF ACRYLIC ACID OR ITS DERIVATIVES
(73) The Procter & Gamble Company
(72) VELASQUEZ, Juan, Esteban
LINGOES, Janette, Villalobos
COLLIAS, Dimitris, Ioannis
GODLEWSKI, Jane, Ellen
MAMAK, Marc, Andrew
(31) 201261623054 P
201313760444
201313840192
201313835187
(32) 11.04.2012
06.02.2013
15.03.2013
15.03.2013
(33) United States of America
United States of America
United States of America
United States of America

(51) C07C 67/26
C07C 41/26
(11) EP2277849
(21) EP10165317.8
(47) 07.08.2019
(22) 09.06.2010
(54) PROCESS FOR THE PREPARATION OF 1-ALKYL GLYCEROL ETHERS
(73) Schülke & Mayr GmbH

(72) Beilfuss, Wolfgang
Gradtke, Ralf
Weber, Klaus
Balthasar, Martin
Steffen, Heinz-Georg
(31) 102009032235
(32) 08.07.2009
(33) Germany

(51) C07C 209/36
C07C 211/50
B01J 19/18
(11) EP3102559
(21) EP15705530.2
(47) 07.08.2019
(87) EP2015052392
13.08.2015
(22) 05.02.2015
(54) METHOD FOR HYDROGENATION OF AROMATIC NITROCOMPOUNDS FOR THE PRODUCTION OF AROMATIC AMINES, AND A SYSTEM THEREFORE
(73) Chematur Technologies AB
(72) STENMARK, Lars
(31) 1450124
(32) 06.02.2014
(33) Sweden

(51) C07C 209/90
C07C 211/09
(11) EP2955170
(21) EP14748696.3
(47) 07.08.2019
(87) JP2014052934
14.08.2014
(22) 07.02.2014
(54) METHOD FOR PRESERVING 1,5-PENTADIAMINE OR SALT THEREOF, METHOD FOR PREVENTING DISCOLORATION OF SAME, AND PACKAGED 1,5-PENTADIAMINE OR SALT THEREOF
(73) Ajinomoto Co., Inc.
(72) HIURA, Takehiro
YAMAMOTO, Masataka
MARUTA, Yasuhiro
(31) 2013023851
(32) 08.02.2013
(33) Japan

(51) C07C 229/22
C07C 309/29
C07C 309/30
(11) EP3326999
(21) EP16200429.5
(47) 07.08.2019
(22) 24.11.2016
(54) SALICYLOYLCARNITIN SULFONATES
(73) Drug'On Pharma Switzerland AG
(72) Meul, Thomas
Weber, Peter

(51) C07C 233/47
C07C 235/08
C07C 235/12
C07C 235/20
C07C 237/12
C07C 237/22
C07D 207/16
C07D 213/40
C07D 239/26
C07D 307/24
C07D 307/46
C07D 307/68
C07D 319/12
A61P 35/00
A61K 31/164
(11) EP2768799
(21) EP12784158.3
(47) 07.08.2019
(87) US2012060464
25.04.2013
(22) 16.10.2012
(54) SUBSTITUTED BIARYL ALKYL AMIDES
(73) Biotheryx, Inc.
(72) CHAN, Kyle, W.h.
MERCURIO, Frank
STIRLING, David, I.
(31) 201161548076 P
(32) 17.10.2011
(33) United States of America

(51) C07C 233/81
C08K 5/20
C07C 233/64
(11) EP3049388
(21) EP14780733.3
(47) 07.08.2019
(87) US2014056922
26.03.2015
(22) 23.09.2014
(54) NUCLEATING AGENT FOR THERMOPLASTIC POLYMER COMPOSITION
(73) Milliken & Company
(72) QIN, Haihu
DOTSON, Darin L.
TORRES, Eduardo
DEY, Sanjeev K.
ALVAREZ, Francisco
(31) 201361881227 P
201414492554
(32) 23.09.2013
22.09.2014
(33) United States of America
United States of America

(51) C07C 237/08
A61K 31/16
A61P 1/16
C07C 237/22
C07C 323/60
C07C 333/04
A61K 9/127
(11) EP2998289
(21) EP15181729.3
(47) 07.08.2019
(22) 08.06.2012
(54) COMPOUNDS FOR TARGETING DRUG DELIVERY AND ENHANCING SIRNA ACTIVITY
(73) NITTO DENKO CORPORATION
(72) Sridhar, C. Nagarajan
Karmali, Priya
Payne, Joseph E.
Hou, Zheng
Gaudette, John A.
Knopov, Victor
Witte, Richard P.
Ahmadian, Mohammad
Perelman, Loren A.
Tanaka, Yasunobu
Akopian, Violetta
Niitsu, Yoshiro
(31) 201161494710 P
201161494840 P
(32) 08.06.2011
08.06.2011
(33) United States of America
United States of America

(51) C07C 237/40
A61K 31/166
A61K 31/167
A61K 31/415
A61K 31/4453
A61P 25/14
A61P 25/16
A61P 25/28
A61P 43/00
C07C 237/30
C07C 237/38
C07D 231/40
C07D 295/18
C12N 9/99
C12N 15/09
(11) EP2907802
(21) EP13845823.7
(47) 07.08.2019
(87) JP2013077863
17.04.2014
(22) 11.10.2013
(54) CYCLOPROPANAMINE COMPOUND AND USE THEREOF
(73) Takeda Pharmaceutical Company Limited
(72) TOMITA, Naoki
TOMITA, Daisuke
TOMINARI, Yusuke
IMAMURA, Shinichi
MORIMOTO, Shinji
KOJIMA, Takuto
TOYOFUKU, Masashi
HATTORI, Yasushi
KAKU, Tomohiro
ITO, Mitsuhiro
(31) 2012227243
2013022534
(32) 12.10.2012
07.02.2013
(33) Japan
Japan

(51) C07C 263/10
C07C 265/12
C07C 265/14
(11) EP1753715
(21) EP05752554.5
(47) 07.08.2019
(87) EP2005005520
08.12.2005
(22) 21.05.2005
(54) ISOCYANATE PRODUCTION METHOD
(73) BASF SE
(72) WÖLFERT, Andreas
PALLASCH, Hans-Jürgen
STROEFER, Eckhard
PENZEL, Ulrich
DEBERDT, Filip
(31) 102004026095
(32) 25.05.2004
(33) Germany

(51) C07C 303/02

C08F 220/56
C07C 309/15
(11) EP3350159
(21) EP16781837.6
(47) 07.08.2019
(87) FR2016052359
23.03.2017
(22) 16.09.2016
(54) METHOD FOR PRODUCING THE 2-ACRYLAMIDO-2-METHYLPROPANE SULFONIC ACID MONOMER AND POLYMER COMPRISING SAID MONOMER
(73) S.P.C.M. SA
(72) FAVERO, Cédrick
KIEFFER, Johann
(31) 1558796
(32) 18.09.2015
(33) France

(51) C07C 303/44
C07C 309/04
(11) EP3374347
(21) EP16794577.3
(47) 07.08.2019
(87) EP2016076963
18.05.2017
(22) 08.11.2016
(54) PROCESS FOR REPROCESSING ALKANE SULFONIC ACID
(73) BASF SE
(72) SPIELMANN, Jan
KOCH, Michael
WORTMANN, Juergen
WEIGUNY, Sabine
RUETHER, Feelly
SENGPIEL, Robert
(31) 15193897
(32) 10.11.2015
(33) European Patent Office (EPO)

(51) C07C 321/20
C07C 323/12
C07C 323/60
C07D 257/04
C07C 323/66
C07F 9/54
A61K 31/20
A61P 35/00
(11) EP3188726
(21) EP14895389.6
(47) 07.08.2019
(87) US2014000150
23.12.2015
(22) 19.06.2014
(54) PHARMACEUTICAL COMPOUNDS
(73) Rafael Pharmaceuticals, Inc.
(72) SHORR, Robert
RODRIGUEZ, Robert
BINGHAM, Paul
BOTEJU, Lakmal
KWOK, Thomas
MARECEK, James

(51) C07C 323/58
C07C 319/28
B01D 9/02
B01D 9/00
(11) EP3246310
(21) EP15881855.9
(47) 07.08.2019
(87) CN2015098368
18.08.2016
(22) 23.12.2015
(54) METHOD FOR CONTINUOUS PREPARATION OF HIGH BULK DENSITY METHIONINE CRYSTALS
(73) Shandong Nhu Amino Acid Co., Ltd.
Zhejiang University
Zhejiang Nhu Co., Ltd.
(72) CHEN, Zhirong
WANG, Zhixuan
CHEN, Cong
WANG, Zhengjiang
WANG, Cunchao
LI, Yin
ZHANG, Zhixiang
(31) 201510078388
(32) 12.02.2015
(33) China

(51) C07D 201/04
C07D 201/06
C01B 21/14
B01D 3/36
C01G 9/02
(11) EP3277664
(21) EP15731711.6
(47) 07.08.2019
(87) IB2015054222
06.10.2016
(22) 04.06.2015
(54) AN EFFICIENT PROCESS FOR THE SYNTHESIS OF CYCLIC AMIDES
(73) Anthea Aromatics Private Limited
(72) MOHAPATRA, Manoj Kumar
BENDAPUDI, Ramamohanrao
MENACHERRY, Paul Vincent
PAUL, Vincent
(31) 1410MU2015
(32) 02.04.2015
(33) India

(51) C07D 209/14
C07D 401/08
C07D 401/12
C07D 401/14
C07D 403/08
C07D 403/10
C07D 403/12
C07D 405/12
C07D 409/08
C07D 409/12
C07D 413/08
C07D 413/12
C07D 417/14
C07D 471/04
C07D 487/04
(11) EP2760831
(21) EP12775463.8
(47) 07.08.2019
(87) EP2012069007
04.04.2013
(22) 26.09.2012
(54) VIRAL REPLICATION INHIBITORS
(73) Katholieke Universiteit Leuven
(72) BARDIOT, Dorothée
CARLENS, Gunter
DALLMEIER, Kai
KAPTEIN, Suzanne
McNAUGHTON, Michael
MARCHAND, Arnaud
NEYTS, Johan
SMETS, Wim
KOUKNI, Mohamed
(31) 201116559
201161626410 P
(32) 26.09.2011
26.09.2011
(33) United Kingdom
United States of America

(51) C07D 211/72
C07D 215/06
C07D 233/70
C07D 235/26
C07D 263/38
C07D 263/58
C07D 307/79
A61K 31/47
A61P 25/28
(11) EP3049389
(21) EP14848555.0
(47) 07.08.2019
(87) US2014056887
02.04.2015
(22) 23.09.2014
(54) KYNURENINE-3-MONOOXYGENASE INHIBITORS, PHARMACEUTICAL COMPOSITIONS, AND METHODS OF USE THEREOF
(73) CHDI Foundation, Inc.
(72) DOMINGUEZ, Celia
TOLEDO-SHERMAN, Leticia M.
PRIME, Michael
MITCHELL, William
WENT, Naomi
(31) 201361882813 P
(32) 26.09.2013
(33) United States of America

(51) C07D 213/30
C07D 213/46
C07D 213/74
C07D 213/79
C07D 213/81
C07D 213/84
C07D 401/04
C07D 401/12
C07D 403/12
C07D 403/14
A61K 31/4418
A61K 31/4439
A61K 31/444
A61P 23/00
(11) EP2616441
(21) EP11776851.5
(47) 07.08.2019
(87) IB2011002172
22.03.2012
(22) 16.09.2011
(54) PYRIDINE COMPOUNDS AND THE USES THEREOF
(73) Purdue Pharma L.P.
(72) NI, Chiyou
SHAO, Bin
TAFESSE, Laykea
YAO, Jiangchao
YU, Jianming
ZHOU, Xiaoming
(31) 384136 P

(32) 17.09.2010
(33) United States of America

(51) C07D 213/34
A61K 31/4439
A61K 31/444
A61K 31/4545
A61K 31/496
A61K 31/497
A61K 31/506
A61K 31/5377
A61P 25/00
A61P 25/08
A61P 25/14
A61P 25/16
A61P 25/28
A61P 43/00
C07D 213/56
C07D 239/26
C07D 401/10
C07D 401/12
(11) EP2982666
(21) EP14778814.5
(47) 07.08.2019
(87) JP2014059892
09.10.2014
(22) 03.04.2014
(54) HETEROCYCLIC COMPOUND
(73) Takeda Pharmaceutical Company Limited
(72) KOIKE, Tatsuki
YOSHIKAWA, Masato
ANDO, Haruhi
FARNABY, William John
IKEDA, Shuhei
KAJITA, Yuichi
NISHI, Toshiya
(31) 2013079023
(32) 04.04.2013
(33) Japan

(51) C07D 213/81
A61K 31/44
A61K 31/4439
A61K 31/444
A61P 25/04
A61P 25/18
A61P 25/20
A61P 25/28
A61P 43/00
C07D 401/10
C07D 401/14
C07D 405/12
C07D 405/14
(11) EP3156397
(21) EP15806591.2
(47) 07.08.2019
(87) JP2015066907
17.12.2015
(22) 11.06.2015
(54) NITROGEN-CONTAINING HETEROCYCLIC COMPOUND
(73) Takeda Pharmaceutical Company Limited
(72) OGINO, Masaki
KIMURA, Eiji
SUZUKI, Shinkichi
ASHIZAWA, Tomoko
IMAEDA, Toshihiro
FUJIMORI, Ikuo
ARAI, Ryosuke
(31) 2014122919
(32) 13.06.2014
(33) Japan

(51) C07D 221/20
C07D 401/04
(11) EP2906542
(21) EP13844724.8
(47) 07.08.2019
(87) US2013064472
17.04.2014
(22) 11.10.2013
(54) SUBSTITUTED SPIROPIPERIDINYL COMPOUNDS USEFUL AS GPR120 AGONISTS
(73) Merck Sharp & Dohme Corp.
(72) CHELLIAH, Mariappan
CHU, Hong Dong
COX, Jason, M.
DEBENHAM, John, S
EAGEN, Keith
LAN, Ping
LONDON, Clare
PLOTKIN, Michael, A.
SHAH, Unmesh
SINZ, Christopher Joseph
SUN, Zhongxiang
VACCARO, Henry, M.
VENKATRAMAN, Skikanth
(31) 201261712534 P
201261731625 P
(32) 11.10.2012
30.11.2012
(33) United States of America
United States of America

(51) C07D 231/12
C07D 401/06
C07D 403/06
C07D 413/06
C07D 261/04
C07D 261/08
A61K 31/5377
A61K 31/454
A61K 31/42
A61K 31/422
A61K 31/496
A61P 25/28
(11) EP3105206
(21) EP15707888.2
(47) 07.08.2019
(87) EP2015052683
20.08.2015
(22) 10.02.2015
(54) MORPHOLINE DERIVATIVES HAVING A SELECTIVE PDE4D INHIBITING ACTIVITY
(73) Universita' degli Studi di Genova
Maastricht University
The Trustees of Columbia University
(72) BRUNO, Olga
BRULLO, Chiara
ROMUSSI, Alessia
FEDELE, Ernesto
RICCIARELLI, Roberta
ARANCIO, Ottavio
PRICKAERTS, Jos
(31) 14425015
(32) 14.02.2014
(33) European Patent Office (EPO)

(51) C07D 239/48
C07D 401/12
A61K 31/506
A61K 31/33
A61P 19/10
A61P 35/00
A61P 19/02
(11) EP3196194
(21) EP15842179.2
(47) 07.08.2019
(87) CN2015089499
24.03.2016
(22) 14.09.2015
(54) PYRIMIDINE DERIVATIVES USEFUL AS SELECTIVE JAK3 AND/OR JAK1 INHIBITORS
(73) Shenzhen Chipscreen Biosciences, Ltd.
(72) LU, Xianping
YU, Jindi
YANG, Qianjiao
LI, Zhibin
PAN, Desi
SHAN, Song
ZHU, Jiangfei
WANG, Xianghui
LIU, Xiangheng
NING, Zhiqiang
(31) 201410471468
(32) 16.09.2014
(33) China

(51) C07D 239/95
C07D 401/12
C07D 401/14
C07D 403/04
C07D 403/12
C07D 407/12
C07D 413/14
C07D 417/12
C07D 417/14
A61K 31/517
A61K 31/5377
C07D 405/12
C07D 239/94
C07D 471/04
C07D 513/04
A61K 31/549
A61K 45/06
(11) EP3124475
(21) EP16180810.0
(47) 07.08.2019
(22) 01.09.2010
(54) QUINAZOLINES AS POTASSIUM ION CHANNEL INHIBITORS
(73) Bristol-Myers Squibb Company
(72) JOHNSON, James A.
LLOYD, John
FINLAY, Heather
JIANG, Ji
NEELS, James
DHONDI, Naveen Kumar
GUNAGA, Prashantha
BANERJEE, Abhisek
ADISECHAN, Ashokkumar
(31) 239452 P
(32) 03.09.2009
(33) United States of America

(51) C07D 295/192
A61K 31/496
A61P 35/00

(11) EP2968316
(21) EP14779048.9
(47) 07.08.2019
(87) US2014023388
09.10.2014
(22) 11.03.2014
(54) 2-HYDROXY-1-{4-[(4-PHENYLPHENYL)CARBONYL]PIPERAZIN-1-YL}ETHAN-1-ONE DERIVATIVES AND RELATED COMPOUNDS AS FATTY ACID SYNTHASE (FASN) INHIBITORS FOR THE TREATMENT OF CANCER
(73) Forma Therapeutics, Inc.
(72) BAIR, Kenneth, W.
LANCIA, David R., Jr.
LI, Hongbin
LOCH, James
LU, Wei
MARTIN, Matthew, W.
MILLAN, David, S.
SCHILLER, Shawn, E.r.
TEBBE, Mark, J.
(31) 201361779962 P
201361779908 P
(32) 13.03.2013
13.03.2013
(33) United States of America
United States of America

(51) C07D 301/12
(11) EP3290409
(21) EP16186941.7
(47) 07.08.2019
(22) 02.09.2016
(54) PROCESS FOR THE PREPARATION OF 17-OXABICYCLO[14.1.0]HEPTADEC-8-EN
(73) Symrise AG
(72) Esser, Peter
Köckritz, Angela
Martin, Andreas
Jaime, Diego

(51) C07D 307/28
C07D 493/08
C07D 493/18
C07D 307/33
C07F 7/18
(11) EP2949652
(21) EP15159875.2
(47) 07.08.2019
(22) 03.06.2005
(54) Intermediates for the preparation of halichondrin B
(73) Eisai R&D Management Co., Ltd.
(72) Benayoud, Farid
Calkins, Trevor Lee
Chase, Charles E.
Christ, William
Fang, Francis G.
(31) 576642 P
626769 P
663300 P
(32) 03.06.2004
10.11.2004
18.03.2005
(33) United States of America
United States of America
United States of America

(51) C07D 307/33
(11) EP3359529
(21) EP16790742.7
(47) 07.08.2019
(87) NL2016050692
13.04.2017
(22) 06.10.2016
(54) PROCESS FOR THE PREPARATION OF GAMMA-VALEROLACTONE
(73) Synvina C.V.
(72) POPOFF, Nicolas André Vélu
VAN DER WAAL, Jan Cornelis
(31) 2015578
(32) 06.10.2015
(33) Netherlands

(51) C07D 333/12
C07D 405/12
C07D 409/12
A01N 43/10
A01N 43/40
A01N 43/54
A01N 43/72
(11) EP3237395
(21) EP15816779.1
(47) 07.08.2019
(87) EP2015080831
30.06.2016
(22) 21.12.2015
(54) CYCLIC COMPOUNDS SUBSTITUTED BY A CONDENSED RING SYSTEM
(73) BASF SE
(72) BINDSCHÄDLER, Pascal
DATTA, Gopal Krishna
VON DEYN, Wolfgang
BRAUN, Franz Josef
(31) 201462095077 P
(32) 22.12.2014
(33) United States of America

(51) C07D 403/04
C07D 403/14
A61K 31/4353
A61P 29/00
A61P 35/00
A61P 37/00
(11) EP3194389
(21) EP15770605.2
(47) 07.08.2019
(87) GB2015052691
24.03.2016
(22) 17.09.2015
(54) IMIDAZO[4,5-C]PYRIDINE DERIVED SSAO INHIBITORS
(73) PROXIMAGEN, LLC
(72) PATIENT, Lee
SIMPSON, Iain
SAVORY, Edward
(31) 201416444
(32) 17.09.2014
(33) United Kingdom

(51) C07D 403/10
A61K 31/4178
A61P 9/12
(11) EP3159336
(21) EP15809449.0
(47) 07.08.2019
(87) CN2015080914
23.12.2015
(22) 05.06.2015
(54) CRYSTAL OF ALLISARTAN ISOPROXIL, PREPARATION METHOD THEREFOR AND PHARMACEUTICAL COMPOSITION CONTAINING SAME
(73) Shenzhen Salubris Pharmaceuticals Co., Ltd.
(72) TAN, Duanming
OU, Jun
(31) 201410281060
(32) 20.06.2014
(33) China

(51) C07D 403/10
C07F 3/06
C07F 5/02
(11) EP2346858
(21) EP09749235.9
(47) 07.08.2019
(87) US2009060267
15.04.2010
(22) 09.10.2009
(54) METHODS FOR PREPARING OXAZOLIDINONES AND COMPOSITIONS CONTAINING THEM
(73) Merck Sharp & Dohme Corp.
(72) COSTELLO, Carrie, A.
SIMSON, Jaqueline, A.
DUGUID, Robert, J.
PHILLIPSON, Douglas
(31) 104469 P
(32) 10.10.2008
(33) United States of America

(51) C07D 403/12
C07D 401/14
C07D 401/02
A61K 31/506
A61P 25/00
A61P 3/00
A61P 35/00
A61P 9/00
A61P 31/12
(11) EP3204380
(21) EP15775223.9
(47) 07.08.2019
(87) EP2015073141
14.04.2016
(22) 07.10.2015
(54) NOVEL AMINOPYRIDINE COMPOUNDS USEFUL AS INHIBITORS OF PROTEIN PRENYLATION
(73) Institut National de la Santé et de la Recherche Médicale
Universite d'Evry Val d'Essonne
Association Francaise Contre Les Myopathies
(72) PESCHANSKI, Marc
BLONDEL, Sophie
NISSAN, Xavier
(31) 14306578
(32) 08.10.2014
(33) European Patent Office (EPO)

(51) C07D 403/14
C07D 471/04
C07D 491/048
A61K 31/506
A61P 35/00
(11) EP3154962
(21) EP15795017.1
(47) 07.08.2019
(87) US2015035161

17.12.2015
(22) 10.06.2015
(54) PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS
(73) Gilead Sciences, Inc.
(72) KIM, Musong
YEUNG, Suet, Chung
PERREAULT, Stephane
(31) 201462011905 P
(32) 13.06.2014
(33) United States of America

(51) C07D 405/14
C07D 401/06
C07D 405/06
C07D 417/06
A01N 43/00
(11) EP3046919
(21) EP14767004.6
(47) 07.08.2019
(87) EP2014069900
26.03.2015
(22) 18.09.2014
(54) N-ACYLIMINO HETEROCYCLIC COMPOUNDS
(73) BASF SE
(72) MCLAUGHLIN, Martin John
BANDUR, Nina Gertrud
POHLMAN, Matthias
DIETZ, Jochen
VON DEYN, Wolfgang
(31) 201361879691 P
(32) 19.09.2013
(33) United States of America

(51) C07D 413/14
C07D 413/06
A61K 31/395
A61P 35/00
(11) EP3371179
(21) EP16791017.3
(47) 07.08.2019
(87) EP2016076603
11.05.2017
(22) 03.11.2016
(54) NOVEL CRYPTOPHYCIN COMPOUNDS AND CONJUGATES, THEIR PREPARATION AND THEIR THERAPEUTIC USE
(73) SANOFI
(72) BIGOT, Antony
BOUCHARD, Hervé
BRUN, Marie-Priscille
CLERC, François
ZHANG, Jidong
(31) 15306751
(32) 05.11.2015
(33) European Patent Office (EPO)

(51) C07D 417/14
C07D 401/04
A61K 31/4427
A61K 31/4439
A61P 25/00
(11) EP2585455
(21) EP11799023.4
(47) 07.08.2019
(87) US2011041905
29.12.2011
(22) 24.06.2011
(54) COMPOUNDS AND USES THEREOF IN MODULATING LEVELS OF VARIOUS AMYLOID BETA PEPTIDE ALLOFORMS
(73) The Regents of the University of California
Massachusetts General Hospital
(72) WAGNER, Steven, L.
CHENG, Soan
MOBLEY, William, C.
TANZI, Rudolph, E.
(31) 358284 P
(32) 24.06.2010
(33) United States of America

(51) C07D 453/02
C07D 217/06
(11) EP2406257
(21) EP09841392.5
(47) 07.08.2019
(87) IN2009000476
16.09.2010
(22) 31.08.2009
(54) A NEW METHOD FOR THE PREPARATION OF SOLIFENACIN AND NEW INTERMEDIATE THEREOF
(73) Megafine Pharma (P) Ltd.
(72) MATHAD, Vijayvitthal, Thippannachar
NIPHADE, Navnath, Chintaman
MALI, Anil, Chaturlal
JAGTAP, Kunal, Madhav
PANDIT, Bhushan, Sudhakar
KUMAR, P., Raghvendra
LANDGE, Shashikant, Baburao
(31) MU05192009
(32) 09.03.2009
(33) India

(51) C07D 471/04
(11) EP2963038
(21) EP15162452.5
(47) 07.08.2019
(22) 02.04.2015
(54) ORGANIC ELECTROLUMINESCENT MATERIALS AND DEVICES
(73) Universal Display Corporation
(72) Yeh, Tzu-Chin
Wong, Ken-Tsung
Kwong, Raymond
Lam, Siu Tung
Lee, Chi Hang
(31) 201414264787
(32) 29.04.2014
(33) United States of America

(51) C07D 471/04
(11) EP3233859
(21) EP15870726.5
(47) 07.08.2019
(87) US2015064861
23.06.2016
(22) 10.12.2015
(54) BRIDGED PYRAZOLOPYRIDINE DERIVATIVES AS ERK INHIBITORS USEFUL FOR THE TREATEMENT OF CANCER
(73) Merck Sharp & Dohme Corp.
MSD R & D (China) Co. Ltd.
(72) SILIPHAIVANH, Phieng
SLOMAN, David L.
WITTER, David
MANSOOR, Umar Faruk
KOZLOWSKI, Joseph
LIU, Ziping
FU, Jianmin
WAN, Zhilong
LIU, Wei
QIAN, Yimin
HUANG, Xianhai
(31) PCT/CN2014/093858
(32) 15.12.2014
(33) World Intellectual Property Office (WIPO)

(51) C07D 471/04
A61K 31/437
A61P 7/02
A61P 9/02
A61P 9/04
A61P 9/10
A61P 9/12
(11) EP3227287
(21) EP15801455.5
(47) 07.08.2019
(87) EP2015078009
09.06.2016
(22) 30.11.2015
(54) HETEROARYL-SUBSTITUTED IMIDAZO[1,2-A]PYRIDINES AND THEIR USE
(73) Bayer Pharma Aktiengesellschaft
(72) VAKALOPOULOS, Alexandros
BROCKSCHNIEDER, Damian
WUNDER, Frank
STASCH, Johannes-Peter
MARQUARDT, Tobias
DIETZ, Lisa
LI, Volkhart Min-Jian
(31) 14195902
(32) 02.12.2014
(33) European Patent Office (EPO)

(51) C07D 471/04
A61K 31/4738
A61K 31/497
A61P 35/00
(11) EP3433256
(21) EP17783857.0
(47) 07.08.2019
(87) EP2017076191
03.05.2018
(22) 13.10.2017
(54) 6,7,8,9-TETRAHYDRO-3H-PYRAZOLO[4,3-F]ISOQUINOLINE DERIVATIVE USEFUL IN THE TREATMENT OF CANCER
(73) Astrazeneca AB
(72) SCOTT, James, Stewart
BARLAAM, Bernard, Christophe
YANG, Bin
MOSS, Thomas, Andrew
HUGHES, Samantha, Jayne
NISSINK, Johannes, Wilhelmus, Maria
O'DONOVAN, Daniel, Hillebrand
(31) 201662411799 P
201662435159 P
(32) 24.10.2016
16.12.2016
(33) United States of America
United States of America

(51) C07D 471/04
C07D 403/12
A61K 31/437
A61K 31/444

A61P 25/00
(11) EP2847193
(21) EP13787303.0
(47) 07.08.2019
(87) US2013040238
14.11.2013
(22) 09.05.2013
(54) HETEROARYL COMPOUNDS AND METHODS OF USE THEREOF
(73) Sunovion Pharmaceuticals Inc.
(72) JONES, Phillip, G.
LEW, Robert
SPEAR, Kerry, L.
XIE, Linghong
(31) 201261644947 P
(32) 09.05.2012
(33) United States of America

(51) C07D 471/04
C07D 473/02
C07D 487/04
A61K 31/52
A61K 31/519
A61P 11/00
A61P 37/00
A61P 29/00
(11) EP3157920
(21) EP15735639.5
(47) 07.08.2019
(87) EP2015063390
23.12.2015
(22) 16.06.2015
(54) INDOLIZINE DERIVATIVES AS PHOSPHOINOSITIDE 3-KINASES INHIBITORS
(73) Chiesi Farmaceutici S.p.A.
(72) BIAGETTI, Matteo
ACCETTA, Alessandro
CAPELLI, Anna Maria
GUALA, Matilde
RETINI, Michele
(31) 14172764
(32) 17.06.2014
(33) European Patent Office (EPO)

(51) C07D 471/04
C07D 519/00
(11) EP3013825
(21) EP14740090.7
(47) 07.08.2019
(87) US2014043925
31.12.2014
(22) 24.06.2014
(54) METHOD FOR THE PREPARATION OF (1,2,4)-TRIAZOLO(4,3-A)PYRIDINES
(73) Amgen Inc.
(72) BIO, Matthew
FANG, Eric
MILNE, Jacqueline E.
WIEDEMANN, Sean
WILSILY, Ash
(31) 201361838856 P
(32) 24.06.2013
(33) United States of America

(51) C07D 471/08
C07B 59/00
A61K 31/195
A61K 31/4709
A61K 31/485
A61P 25/16
A61P 29/00
A61P 25/08
(11) EP3248978
(21) EP17179704.6
(47) 07.08.2019
(22) 18.09.2009
(54) DEUTERATED MORPHINAN COMPOUNDS
(73) Concert Pharmaceuticals Inc.
(72) Graham, Philip B.
Silverman, I. Robert
(31) 98511 P
(32) 19.09.2008
(33) United States of America

(51) C07D 471/10
C07D 491/10
A61K 31/439
A61P 11/00
(11) EP3191487
(21) EP15757523.4
(47) 07.08.2019
(87) EP2015070449
17.03.2016
(22) 08.09.2015
(54) SPIROCYCLIC INHIBITORS OF CATHEPSIN C
(73) Boehringer Ingelheim International GmbH
(72) VINTONYAK, Viktor
GRAUERT, Matthias
GRUNDL, Marc
PAUTSCH, Alexander
(31) 14184613
(32) 12.09.2014
(33) European Patent Office (EPO)

(51) C07D 487/04
A61K 31/4985
A61P 25/04
A61P 1/12
A61P 3/04
A61P 3/06
A61P 9/00
A61P 25/00
A61P 35/00
(11) EP3083628
(21) EP14825134.1
(47) 07.08.2019
(87) EP2014078457
25.06.2015
(22) 18.12.2014
(54) FUSED IMIDAZOLYL DERIVATIVES, THEIR PREPARATION AND USE AS MEDICAMENTS
(73) ESTEVE PHARMACEUTICALS, S.A.
(72) DIAZ-FERNANDEZ, José Luis
ALMANSA-ROSALES, Carmen
NIECZYPOR, Piotr
(31) 13384003
(32) 20.12.2013
(33) European Patent Office (EPO)

(51) C07D 487/04
A61K 31/551
A61P 25/14
A61P 25/16
A61P 25/18
A61P 25/28
A61P 25/36
A61P 43/00
A61P 25/24
A61P 25/30
(11) EP3312181
(21) EP16811742.2
(47) 07.08.2019
(87) JP2016068080
22.12.2016
(22) 17.06.2016
(54) IMIDAZODIAZEPINE COMPOUND
(73) Astellas Pharma Inc.
(72) KAWAKAMI, Shimpei
IMAIZUMI, Tomoyoshi
MASUDA, Naoyuki
KUNIKAWA, Shigeki
MORITA, Masataka
YARIMIZU, Junko
(31) 2015123478
(32) 19.06.2015
(33) Japan

(51) C07D 487/04
C07D 471/04
C07D 498/04
C07D 498/06
C07D 405/04
C07D 401/04
C07D 403/04
A61K 31/506
A61K 31/5383
A61K 31/5377
A61P 35/00
(11) EP3290419
(21) EP16785869.5
(47) 07.08.2019
(87) CN2016079715
03.11.2016
(22) 20.04.2016
(54) FUSED-RING OR TRICYCLIC ARYL PYRIMIDINE COMPOUND USED AS KINASE INHIBITOR
(73) GUANGDONG ZHONGSHENG PHARMACEUTICAL CO., LTD.
(72) DING, Charles Z.
CHEN, Shuhui
ZHAO, Baoping
LIU, Xile
XIAO, Linxia
DING, Chao
WANG, Fei
LI, Jian
(31) 201510213398
(32) 29.04.2015
(33) China

(51) C07D 487/04
C07K 5/06
A61K 31/5517
A61P 35/00
A61K 39/395
(11) EP3191490
(21) EP15766215.6
(47) 07.08.2019
(87) GB2015052629
17.03.2016
(22) 11.09.2015
(54) PYRROLOBENZODIAZEPINES AND CONJUGATES THEREOF
(73) Medimmune Limited
(72) HOWARD, Philip Wilson
GREGSON, Stephen John
LEVY, Jean-Noel

(31) 201416112
(32) 12.09.2014
(33) United Kingdom

(51) C07D 489/08
(11) EP3063152
(21) EP14858224.0
(47) 07.08.2019
(87) US2014063372
07.05.2015
(22) 31.10.2014
(54) CONVENIENT PREPARATION OF N-SUBSTITUTED MORPHINAN-6-OLS FROM MORPHINAN-6-ONES
(73) SpecGx LLC
(72) WANG, Peter X.
JIANG, Tao
(31) 201361898634 P
(32) 01.11.2013
(33) United States of America

(51) C07D 489/12
A61K 31/485
(11) EP2941433
(21) EP13823994.2
(47) 07.08.2019
(87) IB2013002877
03.07.2014
(22) 23.12.2013
(54) PROCESS FOR PREPARING 7 -SUBSTITUTED 6 ,14 - ETHENOMORPHINANS AND 7 -SUBSTITUTED 6 ,14 - ETHANOMORPHINANS
(73) Rhodes Technologies
(72) REISCH, Helge Alfred
(31) 201261747741 P
201361789269 P
(32) 31.12.2012
15.03.2013
(33) United States of America
United States of America

(51) C07D 493/04
A61K 31/34
A61P 31/16
A61P 31/14
A61P 31/22
(11) EP3072895
(21) EP14861789.7
(47) 07.08.2019
(87) CN2014090465
21.05.2015
(22) 06.11.2014
(54) PHILLYGENOL SULPHATE AND DERIVATIVE THEREOF, AND PREPARATION METHOD AND APPLICATION THEREOF
(73) Fu, Li
(72) FAN, Hongyu
WANG, Shuo
(31) 201310580801
(32) 18.11.2013
(33) China

(51) C07D 498/18
C07F 7/18
(11) EP2640730
(21) EP11841039.8
(47) 07.08.2019
(87) IB2011055156
24.05.2012
(22) 17.11.2011
(54) PROCESSES FOR PREPARATION OF EVEROLIMUS AND INTERMEDIATES THEREOF
(73) Biocon Limited
(72) VENKATA, Srinivas Pullela,
EKAMBARAM, Ganesh
KOTHAKONDA, Kiran Kumar
PRASAD, Anegondi Sreenivasa
(31) CH34852010
(32) 19.11.2010
(33) India

(51) C07D 519/00
A61K 31/439
A61P 1/04
(11) EP3303348
(21) EP16728495.9
(47) 07.08.2019
(87) US2016034243
01.12.2016
(22) 26.05.2016
(54) NAPHTHYRIDINE COMPOUNDS AS JAK KINASE INHIBITORS
(73) Theravance Biopharma R&D IP, LLC
(72) HUDSON, Ryan
KOZAK, Jennifer
FATHEREE, Paul R.
PODESTO, Dante D.
BRANDT, Gary E.L.
FLEURY, Melissa
BEAUSOLEIL, Anne-Marie
HUANG, Xiaojun
THALLADI, Venkat R.
(31) 201562167694 P
201662312273 P
(32) 28.05.2015
23.03.2016
(33) United States of America
United States of America

(51) C07F 5/04
C07F 5/02
A01N 55/08
(11) EP3140310
(21) EP15788682.1
(47) 07.08.2019
(87) US2015028613
12.11.2015
(22) 30.04.2015
(54) SYNTHESIS OF BORONATE SALTS AND USES THEREOF
(73) Rempex Pharmaceuticals, Inc.
(72) HECKER, Scott
BOYER, Serge
(31) 201461988690 P
(32) 05.05.2014
(33) United States of America

(51) C07F 5/05
A61K 33/22
A61P 35/00
C07F 5/02
C07F 5/04
A61K 31/69
(11) EP3296300
(21) EP17182839.5
(47) 07.08.2019
(22) 05.03.2013
(54) BORON-BASED 4-HYDROXYTAMOXIFEN AND ENDOXIFEN PRODRUGS AS TREATMENT FOR BREAST CANCER
(73) Xavier University
(72) ZHENG, Shilong
WANG, Guangdi
JIANG, Quan
ZHONG, Qiu
ZHANG, Qiang
(31) 201261634680 P
(32) 05.03.2012
(33) United States of America

(51) C07F 7/30
(11) EP3218384
(21) EP15808718.9
(47) 07.08.2019
(87) FR2015053060
19.05.2016
(22) 12.11.2015
(54) METHOD OF HYDROSILYLATION IMPLEMENTING AN ORGANIC CATALYST DERIVED FROM GERMYLENE
(73) ELKEM SILICONES France SAS
Centre National de la Recherche Scientifique - CNRS
(72) BACEIREDO, Antoine
KATO, Tsuyoshi
MAO, Yanli
BERTHE, Juliette
BOUSQUIÉ, Magali
(31) 1461032
(32) 14.11.2014
(33) France

(51) C07F 9/141
C07F 9/32
C08G 59/24
C08G 59/40
C08G 59/68
C08G 59/44
C08J 5/24
C09D 163/00
C09D 5/18
C09J 163/00
C09J 9/00
C09K 21/12
C07F 9/165
C07F 9/40
(11) EP3283494
(21) EP16718292.2
(47) 07.08.2019
(87) EP2016058244
20.10.2016
(22) 14.04.2016
(54) CURING AGENT AND CURING ACCELERATOR WITH FLAME-RETARDENT EFFECT FOR CURING EPOXY RESINS
(73) AlzChem Trostberg GmbH
(72) EISSMANN, Frank
EBNER, Martin
KRIMMER, Hans-Peter
KRAMMER, Doris
(31) 102015004955
(32) 17.04.2015
(33) Germany

(51) C07F 9/30
C07F 9/32
(11) EP3344637

(21) EP16757896.2
(47) 07.08.2019
(87) EP2016070349
09.03.2017
(22) 30.08.2016
(54) METHOD FOR PRODUCING CYANOHYDRIN ESTERS CONTAINING PHOSPHOROUS
(73) BASF SE
(72) RESSEL, Hans-Joachim
TELLMANN, Kilian
FORD, Mark James
LITTMANN, Martin
SCHLEGEL, Günter
(31) 15183422
(32) 02.09.2015
(33) European Patent Office (EPO)

(51) C07F 9/32
(11) EP3344638
(21) EP16758159.4
(47) 07.08.2019
(87) EP2016070348
09.03.2017
(22) 30.08.2016
(54) METHOD FOR PRODUCING CYANOHYDRIN ESTERS CONTAINING PHOSPHOROUS
(73) BASF SE
(72) RESSEL, Hans-Joachim
TELLMANN, Kilian
FORD, Mark, James
LITTMANN, Martin
SCHLEGEL, Günter
(31) 15183420
(32) 02.09.2015
(33) European Patent Office (EPO)

(51) C07F 9/32
(11) EP3344635
(21) EP16757668.5
(47) 07.08.2019
(87) EP2016070301
09.03.2017
(22) 29.08.2016
(54) METHOD FOR THE PREPARATION OF CYANOHYDRIN ESTERS CONTAINING PHOSPHORUS
(73) BASF SE
(72) RESSEL, Hans-Joachim
TELLMANN, Kilian
FORD, Mark James
LITTMANN, Martin
SCHLEGEL, Günter
(31) 15183423
(32) 02.09.2015
(33) European Patent Office (EPO)

(51) C07F 9/40
(11) EP3356376
(21) EP16777612.9
(47) 07.08.2019
(87) EP2016072786
06.04.2017
(22) 26.09.2016
(54) METHOD FOR THE PREPARATION OF PHOSPHINATES
(73) BASF SE
(72) RESSEL, Hans-Joachim
(31) 15187469
(32) 29.09.2015
(33) European Patent Office (EPO)

(51) C07F 9/54
B01J 27/14
(11) EP2864277
(21) EP13810808.9
(47) 07.08.2019
(87) US2013046702
03.01.2014
(22) 20.06.2013
(54) ALKYLATION PROCESS USING PHOSPHONIUM-BASED IONIC LIQUIDS
(73) UOP LLC
(72) MARTINS, Susie C.
NAFIS, Douglas A.
BHATTACHARYYA, Alakananda
(31) 201261664385 P
201261664405 P
201261664430 P
(32) 26.06.2012
26.06.2012
26.06.2012
(33) United States of America
United States of America
United States of America

(51) C07F 15/00
C07C 45/50
(11) EP3318570
(21) EP16197717.8
(47) 07.08.2019
(22) 08.11.2016
(54) PHOSPHORIC ACID-P,P'-[5,5',6,6'-TETRAMETHYL-3,3'-BIS(1-METHYLETHYL)[1,1'-BIPHENYL]-2,2'-DIYL] P,P,P',P'-TETRAKIS(2,4-DIMETHYLPHENYL)-ESTER IN HYDROFORMYLATION
(73) Evonik Degussa GmbH
(72) FRANKE, Robert

(51) C07F 15/00
C09K 11/06
H01L 51/50
H01L 51/00
H05B 33/10
(11) EP3281944
(21) EP17184282.6
(47) 07.08.2019
(22) 15.11.2012
(54) NOVEL HETEROLEPTIC IRIDIUM COMPLEXES
(73) Universal Display Corporation
(72) MA, Bin
ELSHENAWY, Zeinab
XIA, Chuanjun
(31) 201113296806
(32) 15.11.2011
(33) United States of America

(51) C07F 17/00
C08F 210/18
C08F 4/6592
C08F 10/02
(11) EP3194412
(21) EP15759472.2
(47) 07.08.2019
(87) EP2015070498
24.03.2016
(22) 08.09.2015
(54) METAL COMPLEX COMPRISING AMIDINE AND SUBSTITUTED CYCLOPENTADIENYL LIGANDS
(73) Arlanxeo Netherlands B.V.
(72) KARBAUM, Peter
SCOTT, Richard Thomas William
VAN DE MOOSDIJK, John
(31) 14185359
(32) 18.09.2014
(33) European Patent Office (EPO)

(51) C07H 13/04
C07H 13/12
C07H 15/04
B01D 11/04
(11) EP3131913
(21) EP15716007.8
(47) 07.08.2019
(87) EP2015057544
22.10.2015
(22) 08.04.2015
(54) SYNTHESIS OF AMPHIPHILIC CALIXARENE GLYCOSIDE DETERGENTS AND USE OF SAME FOR EXTRACTING AND STABILIZING NATIVE FUNCTIONAL MEMBRANE PROTEINS
(73) Calixar
(72) DAUVERGNE, Julien
(31) 201406643
(32) 14.04.2014
(33) United Kingdom

(51) C07H 15/04
A61K 31/7028
A61P 35/00
(11) EP3350192
(21) EP16787487.4
(47) 07.08.2019
(87) FR2016052339
23.03.2017
(22) 15.09.2016
(54) MULTI-FUNCTIONALIZED POLYSACCHARIDE COMPOUNDS AND USE THEREOF FOR TARGETING THE CATION-INDEPENDENT MANNOSE 6-PHOSPHATE RECEPTOR
(73) Centre National de la Recherche Scientifique
Université de Montpellier
Nanomedsyn
(72) MORERE, Alain
DA SILVA, Afitz
BOUFFARD, Elise
EL CHEIKH, Khaled
DURAND, Jean-Olivier
MAYNADIER, Marie
BASILE, Ilaria
(31) 1558806
(32) 18.09.2015
(33) France

(51) C07H 15/04
A61K 31/7032
A61P 31/00
A61P 35/00
(11) EP3296309
(21) EP17178121.4
(47) 07.08.2019
(22) 20.06.2013
(54) GALACTOPYRANOSYL DERIVATIVES USEFUL AS MEDICAMENTS

(73) Universiteit Gent
(72) ELEWAUT, Dirk
PAUWELS, Nora
ASPESLAGH, Sandrine
VAN CALENBERGH, Serge
(31) 201261665730 P
(32) 28.06.2012
(33) United States of America

(51) C07H 17/08
A61K 31/7048
A61P 31/04
A61P 31/10
C12P 19/62
C12N 9/10
(11) EP3210991
(21) EP17166118.4
(47) 07.08.2019
(22) 25.05.2011
(54) CRYSTALLINE FORM OF LEVOISOVALERYLSPIRAMYCIN II AND PREPARATIONS, PREPARATION METHODS AND USES THEREOF
(73) Shenyang Fuyang Pharmaceutical Technology Co., Ltd.
(72) JIANG, Yang
ZHAO, Xiaofeng
(31) 201010182111
201010182108
201010182109
(32) 25.05.2010
25.05.2010
25.05.2010
(33) China
China
China

(51) C07H 19/00
C12Q 1/6869
C12Q 1/6874
(11) EP3222627
(21) EP17165469.2
(47) 07.08.2019
(22) 14.02.2013
(54) POLYMERASE ENZYME SUBSTRATES WITH PROTEIN SHIELD
(73) Pacific Biosciences of California, Inc.
(72) BJORNSON, Keith
HANES, Jeremiah
MILLER, Erik
KAMTEKAR, Satwik
SEBO, Lubomir
BROGLEY, Louis
(31) 201261599149 P
(32) 15.02.2012
(33) United States of America

(51) C07H 19/067
A61K 31/7072
A61P 31/14
(11) EP3004130
(21) EP14733928.7
(47) 07.08.2019
(87) US2014040884
11.12.2014
(22) 04.06.2014
(54) 1',4'-THIO NUCLEOSIDES FOR THE TREATMENT OF HCV
(73) Centre National de la Recherche Scientifique
UNIVERSITE DE MONTPELLIER
Idenix Pharmaceuticals LLC
(72) DUKHAN, David
GOSSELIN, Gilles
DOUSSON, Cyril B.
(31) 201361831417 P
(32) 05.06.2013
(33) United States of America

(51) C07H 21/02
C12P 19/34
C12N 15/113
(11) EP2852606
(21) EP13794101.9
(47) 07.08.2019
(87) US2013042163
28.11.2013
(22) 22.05.2013
(54) MODULATION OF ENHANCER RNA MEDIATED GENE EXPRESSION
(73) Ionis Pharmaceuticals, Inc.
The Regents of the University of California
Rosenfeld, Michael G.
Li, Wenbo
(72) GLASS, Christopher, K.
ROSENFELD, Michael, G.
LI, Wenbo
LAM, Michael, T.
FREIER, Susan, M.
(31) 201261650426 P
(32) 22.05.2012
(33) United States of America

(51) C07H 21/04
C07H 21/00
C12M 1/33
C12N 1/06
G01N 33/543
B01L 3/02
G01N 1/40
C12N 15/10
(11) EP2215103
(21) EP08731876.2
(47) 07.08.2019
(87) US2008056482
07.05.2009
(22) 11.03.2008
(54) METHOD FOR PURIFYING NUCLEIC ACIDS
(73) Akonni Biosystems
(72) BELGRADER, Philip
(31) 933113
(32) 31.10.2007
(33) United States of America

(51) C07J 9/00
A61K 31/575
A61P 3/04
(11) EP3138850
(21) EP16192999.7
(47) 07.08.2019
(22) 14.06.2012
(54) COMPOSITIONS CONTAINING DEOXYCHOLIC ACID AND 10% DEIONIZED WATER IN ETHANOL, DIRECTED TO THE PURIFICATION OF DEOXYCHOLIC ACID
(73) Kythera Biopharmaceuticals, Inc.
(72) GANLEY, Daniel J.
WILT, Jeremy
(31) 201161497924 P
(32) 16.06.2011
(33) United States of America

(51) C07K 7/62
(11) EP3166960
(21) EP15735887.0
(47) 07.08.2019
(87) EP2015064764
14.01.2016
(22) 29.06.2015
(54) LOW SUBSTITUTED POLYMYXINS AND COMPOSITIONS THEREOF
(73) Xellia Pharmaceuticals ApS
(72) BJØRNSTAD, Vidar
GUNNES, Sølvi
KOCH, Torben
MELANDER, Claes
(31) 201462022399 P
(32) 09.07.2014
(33) United States of America

(51) C07K 7/62
A61K 38/12
(11) EP3002291
(21) EP15186902.1
(47) 07.08.2019
(22) 25.09.2015
(54) DETECTION OF POLYMYXINS
(73) Randox Laboratories Ltd.
(72) Benchikh, Elouard
Fitzgerald, Peter
Lowry, Philip
McConnell, Ivan
(31) 201417384
(32) 01.10.2014
(33) United Kingdom

(51) C07K 14/005
C07K 14/47
C12N 7/04
C07K 14/08
(11) EP3303369
(21) EP16747629.0
(47) 07.08.2019
(87) IT2016000146
08.12.2016
(22) 03.06.2016
(54) VIRAL CHIMERIC PARTICLE OF POTATO VIRUS X AND USE THEREOF FOR IN VITRO DIAGNOSIS OF SJÖGREN SYNDROME
(73) ENEA-Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile
Università Degli Studi Di Verona
(72) LICO, Chiara
BASCHIERI, Selene
BENVENUTO, Eugenio
AVESANI, Linda
TINAZZI, Elisa
BARTOLONI BOCCI, Elena
PEZZOTTI, Mario
LUNARDI, Claudio
(31) UB20151199
(32) 03.06.2015
(33) Italy

(51) C07K 14/05
A61K 39/245
A61P 31/20
C07K 16/08
C07K 7/06
C07K 7/08
G01N 33/564

(11) EP3102590
(21) EP15745772.2
(47) 07.08.2019
(87) CA2015050089
13.08.2015
(22) 06.02.2015
(54) ANTIGENIC EPITOPES FROM EBV GP350/220 AND USES THEREOF
(73) Valorisation-HSJ, Limited Partnership
Valorisation-Recherche, Limited Partnership
(72) ALFIERI, Caroline
TANNER, Jerome
HU, Jing
SYGUSCH, Jurgen
COINÇON, Mathieu
(31) 201461936939 P
(32) 07.02.2014
(33) United States of America

(51) C07K 14/195
C07K 14/34
(11) EP3287469
(21) EP16783326.8
(47) 07.08.2019
(87) KR2016002480
27.10.2016
(22) 11.03.2016
(54) GLUCONATE REPRESSOR VARIANT, L-LYSINE PRODUCING MICROORGANISM COMPRISING SAME, AND METHOD FOR PRODUCING L-LYSINE USING SAME
(73) CJ Cheiljedang Corporation
(72) PARK, Sang Hee
KIM, Hyung Joon
KIM, Nam Hyun
MOON, Jun Ok
OH, Jeong Seok
RYU, Song-Gi
CHOI, Hyang
(31) 20150055495
(32) 20.04.2015
(33) Korea (Republic)

(51) C07K 14/30
G01N 33/569
(11) EP3227314
(21) EP15819940.6
(47) 07.08.2019
(87) US2015064342
09.06.2016
(22) 07.12.2015
(54) ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA) FOR THE DETECTION OF ANTI-MYCOPLASMA HYORHINIS IGG IN SWINE SERUM
(73) Boehringer Ingelheim Animal Health USA Inc.
(72) LAWRENCE, Paulraj
BEY, Russell, F.
STOLL, Mike
BUMGARDNER, Eric
STINE, Douglas
(31) 201462088417 P
(32) 05.12.2014
(33) United States of America

(51) C07K 14/32
A01N 63/00
C12R 1/07
(11) EP2694535
(21) EP12732951.4
(47) 07.08.2019
(87) DE2012000326
04.10.2012
(22) 24.03.2012
(54) MEANS FOR TREATING MICROBIAL DISEASES IN CULTIVATED PLANTS
(73) Abitep GmbH
(72) BORRISS, Rainer
(31) 102011015803
(32) 01.04.2011
(33) Germany

(51) C07K 14/37
C12N 15/82
(11) EP3263592
(21) EP17184990.4
(47) 07.08.2019
(22) 12.03.2014
(54) IDENTIFICATION OF P. PACHYRHIZI PROTEIN EFFECTORS AND THEIR USE IN PRODUCING ASIAN SOYBEAN RUST (ASR) RESISTANT PLANTS
(73) E. I. du Pont de Nemours and Company
(72) BROGLIE, Karen E.
RAIRDAN, Gregory J.
(31) 201313798408
(32) 13.03.2013
(33) United States of America

(51) C07K 14/47
A61K 38/00
A61K 45/00
A61P 25/28
C07K 1/113
A61K 38/17
(11) EP3009446
(21) EP14810613.1
(47) 07.08.2019
(87) JP2014065749
18.12.2014
(22) 13.06.2014
(54) OXIDIZED A-BETA PEPTIDE
(73) Japan Science and Technology Agency
(72) KANAI, Motomu
SOMA, Yohei
TANIGUCHI, Atsuhiko
SASAKI, Daisuke
(31) 2013125797
2013239622
(32) 14.06.2013
20.11.2013
(33) Japan
Japan

(51) C07K 14/47
C07K 14/715
G01N 33/53
G01N 33/68
(11) EP2686689
(21) EP12771826.0
(47) 07.08.2019
(87) US2012029500
18.10.2012
(22) 16.03.2012
(54) METHODS PREDICTING RISK OF AN ADVERSE CLINICAL OUTCOME
(73) Critical Care Diagnostics, Inc.
(72) SNIDER, James, V.
(31) 201161453782 P
(32) 17.03.2011
(33) United States of America

(51) C07K 14/515
A61K 38/18
C07K 16/28
(11) EP3155006
(21) EP15735638.7
(47) 07.08.2019
(87) EP2015063282
17.12.2015
(22) 15.06.2015
(54) HUMAN CYTOLYTIC FUSION PROTEINS
(73) University of Cape Town
(72) BARTH, Stefan
NACHREINER, Thomas
CREMER, Christian
(31) 14172288
201462011921 P
(32) 13.06.2014
13.06.2014
(33) European Patent Office (EPO)
United States of America

(51) C07K 14/605
A61K 38/00
(11) EP2758426
(21) EP12759773.0
(47) 07.08.2019
(87) EP2012068649
28.03.2013
(22) 21.09.2012
(54) NOVEL GLUCAGON ANALOGUES
(73) Novo Nordisk A/S
(72) LAU, Jesper, F.
KRUSE, Thomas
THØGERSEN, Henning
SENSFUSS, Ulrich
NIELSEN, Peter, Kresten
(31) 11182476
201161539148 P
(32) 23.09.2011
26.09.2011
(33) European Patent Office (EPO)
United States of America

(51) C07K 14/62
C07K 1/107
A61K 47/60
A61P 29/00
A61K 38/28
A61K 38/36
A61K 38/37
A61K 38/47
A61K 38/17
A61K 38/48
(11) EP2858678
(21) EP13771595.9
(47) 07.08.2019
(87) IB2013001885
19.12.2013
(22) 12.06.2013
(54) CONJUGATES OF BIOLOGICALLY ACTIVE MOLECULES TO FUNCTIONALIZED POLYMERS
(73) QuiaPEG Pharmaceuticals AB
(72) KWIATKOWSKI, Marek
(31) 201261658836 P
201261658850 P
201261658853 P
201261658856 P

201261658827 P
201261658839 P
201261658835 P
201361786237 P
201361785996 P
201361786221 P
201361786162 P
201361786265 P
201361786121 P
201361786287 P
(32) 12.06.2012
12.06.2012
12.06.2012
12.06.2012
12.06.2012
12.06.2012
12.06.2012
14.03.2013
14.03.2013
14.03.2013
14.03.2013
14.03.2013
14.03.2013
14.03.2013
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) C07K 14/705
C07K 14/715
(11) EP2709647
(21) EP12750085.8
(47) 07.08.2019
(87) US2012026353
30.08.2012
(22) 23.02.2012
(54) WATER SOLUBLE MEMBRANE PROTEINS AND METHODS FOR THE PREPARATION AND USE THEREOF
(73) Massachusetts Institute Of Technology
(72) ZHANG, Shuguang
RICH, Alexander
CORIN, Karolina
TEGLER, Lotta, T.
(31) 201161445740 P
(32) 23.02.2011
(33) United States of America

(51) C07K 14/715
A61K 39/39
A61K 39/395
A61P 31/12
A61P 37/04
C07K 14/555
C07K 7/08
C12N 5/07
A61K 39/145
A61K 39/245
C07K 14/57
C07K 16/28
C12N 7/00
A61K 39/00
(11) EP2922870
(21) EP13856783.9
(47) 07.08.2019
(87) IB2013060289
30.05.2014
(22) 21.11.2013
(54) IMMUNOMODULATORY PEPTIDES AND METHODS OF USE THEREOF
(73) The Governors of the University of Alberta
(72) EGLI, Adrian
SANTER, Deanna Michelle
LEVIN, Aviad Yaagov
THOMAS, Bradley Scott
BARAKAT, Khaled Hassan Sayed
JOYCE, Michael A.
O'SHEA, Daire Thomas
BHAT, Rakesh Kumar
HOUGHTON, Michael
TYRRELL, D. Lorne J.
HUMAR, Atul
KUMAR, Deepali
(31) 201261728996 P
(32) 21.11.2012
(33) United States of America

(51) C07K 14/725
A61K 39/00
A61K 35/17
C12N 5/0783
(11) EP3001836
(21) EP14794253.6
(47) 07.08.2019
(87) US2014037524
13.11.2014
(22) 09.05.2014
(54) DESIGN AND USE OF SPECIFIC REGULATORY T-CELLS TO INDUCE IMMUNE TOLERANCE
(73) The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.
(72) SCOTT, David W.
KIM, Yong Chan
(31) 201361821857 P
(32) 10.05.2013
(33) United States of America

(51) C07K 14/755
A61K 38/36
A61K 38/37
A61P 7/04
(11) EP3152230
(21) EP15732554.9
(47) 07.08.2019
(87) EP2015062730
10.12.2015
(22) 08.06.2015
(54) PREPARATION COMPRISING FACTOR VIII AND VON WILLEBRAND FACTOR PEPTIDES
(73) Octapharma AG
(72) KANNICHT, Christoph
SOLECKA, Barbara
KOHLA, Guido
WINGE, Stefan
(31) 14171579
(32) 06.06.2014
(33) European Patent Office (EPO)

(51) C07K 14/765
C07K 16/18
A61P 37/02
A61P 35/00
A61K 39/395
(11) EP3130602
(21) EP16189090.0
(47) 07.08.2019
(22) 08.05.2008
(54) IMMUNOREGULATORY STRUCTURES FROM NORMALLY OCCURRING PROTEINS
(73) CanImGuide Therapeutics AB
(72) Hakansson, Leif
Clinchy, Birgitta
(31) 0701099
0701100
0702520
(32) 08.05.2007
08.05.2007
15.11.2007
(33) Sweden
Sweden
Sweden

(51) C07K 14/775
C12N 15/82
A23L 33/18
A61K 38/10
(11) EP3143035
(21) EP15793647.7
(47) 07.08.2019
(87) US2015031134
19.11.2015
(22) 15.05.2015
(54) METHOD TO CONCENTRATE APOA-I MIMETIC PEPTIDES TRANSGENICALLY EXPRESSED IN PLANTS
(73) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
(72) FOGELMAN, Alan M.
REDDY, Srinivasa T.
NAVAB, Mohamad
(31) 201461994003 P
(32) 15.05.2014
(33) United States of America

(51) C07K 16/00
A61K 35/28
G01N 33/569
(11) EP3063172
(21) EP14857113.6
(47) 07.08.2019
(87) US2014062724
07.05.2015
(22) 28.10.2014
(54) METHODS OF MEASURING POTENTIAL FOR THERAPEUTIC POTENCY AND DEFINING DOSAGES FOR AUTOLOGOUS CELL THERAPIES
(73) Biocardia, Inc.
(72) WONG PO FOO, Cheryl
ALTMAN, Peter
(31) 201361896450 P
(32) 28.10.2013
(33) United States of America

(51) C07K 16/00
A61K 38/00
A61K 38/17
(11) EP3087095

(21) EP14827372.5
(47) 07.08.2019
(87) US2014072087
02.07.2015
(22) 23.12.2014
(54) FCRN ANTAGONISTS AND METHODS OF USE
(73) The Board of Regents of The University of Texas System
argenx BVBA
(72) ULRICHTS, Peter
BLANCHETOT, Christophe
DREIER, Torsten
DE HAARD, Johannes
WARD OBER, E. Sally
ONGENAE, Nicolas G.H.
(31) 201361920547 P
(32) 24.12.2013
(33) United States of America

(51) C07K 16/00
A61K 39/395
A61P 35/00
C07K 16/28
(11) EP2679681
(21) EP12749420.1
(47) 07.08.2019
(87) JP2012054624
30.08.2012
(22) 24.02.2012
(54) FcgammaRIIB-specific FC antibody
(73) Chugai Seiyaku Kabushiki Kaisha
(72) MIMOTO, Futa
KURAMOCHI, Taichi
IGAWA, Tomoyuki
KATADA, Hitoshi
KADONO, Shojiro
(31) 2011040923
2011219835
(32) 25.02.2011
04.10.2011
(33) Japan
Japan

(51) C07K 16/00
C07K 16/28
(11) EP2537864
(21) EP11305811.9
(47) 07.08.2019
(22) 24.06.2011
(54) Fc variants with reduced effector functions
(73) Laboratoire Français du Fractionnement et des Biotechnologies
(72) Fontayne, Alexandre
Jorieux, Sylvie
Monnet-Mars, Céline
Mondon, Philippe
Kharrat, Abdelhakim
Bouayadi, Khalil

(51) C07K 16/06
C07K 14/435
A61K 39/395
A61P 31/04
(11) EP2822967
(21) EP13708786.2
(47) 07.08.2019
(87) EP2013054697
12.09.2013
(22) 08.03.2013
(54) COMPOSITIONS COMPRISING SECRETORY-LIKE IMMUNOGLOBULINS
(73) CSL Behring AG
(72) CORTHÉSY, Blaise
LONGET, Stéphanie
LOETSCHER, Marius
MIESCHER, Sylvia
ZUERCHER, Adrian
(31) 12158931
12168343
(32) 09.03.2012
16.05.2012
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C07K 16/18
C07K 16/30
(11) EP3037435
(21) EP15193297.7
(47) 07.08.2019
(22) 17.11.2010
(54) HUMAN MONOCLONAL ANTIBODIES TO HUMAN NUCLEOLIN
(73) MUSC Foundation for Research Development
(72) SUTKOWSKI, Natalie
FERNANDES, Daniel
HOEL, Brian
RUBINCHIK, Semyon
(31) 261909 P
(32) 17.11.2009
(33) United States of America

(51) C07K 16/22
C07K 16/28
C07K 16/46
(11) EP3215528
(21) EP15790922.7
(47) 07.08.2019
(87) EP2015075656
12.05.2016
(22) 04.11.2015
(54) FC-REGION VARIANTS WITH MODIFIED FCRN-BINDING AND METHODS OF USE
(73) F.Hoffmann-La Roche AG
(72) MOESSNER, Ekkehard
SCHLOTHAUER, Tilman
(31) 14192052
(32) 06.11.2014
(33) European Patent Office (EPO)

(51) C07K 16/24
G01N 33/53
(11) EP2997042
(21) EP14725148.2
(47) 07.08.2019
(87) EP2014060201
20.11.2014
(22) 19.05.2014
(54) ANTI-CXCL1, CXCL7 AND CXCL8 ANTIBODIES AND THEIR APPLICATIONS
(73) Centre National de la Recherche Scientifique (CNRS)
Université De Nice Sophia Antipolis
(72) PAGES, Gilles
GREPIN, Renaud
(31) 13305642
(32) 17.05.2013
(33) European Patent Office (EPO)

(51) C07K 16/28
A61K 39/00
(11) EP2864358
(21) EP13807252.5
(47) 07.08.2019
(87) US2013047192
27.12.2013
(22) 21.06.2013
(54) ANTIGEN BINDING PROTEINS THAT BIND CCR2
(73) Sorrento Therapeutics, Inc.
(72) HUANG, Dingqiu
SWANSON, Barbara, A.
ZHOU, Heyue
LU, Guodi
(31) 201261663496 P
(32) 22.06.2012
(33) United States of America

(51) C07K 16/28
C07K 16/30
C07K 16/32
A61K 39/395
A61P 35/00
(11) EP3191523
(21) EP15781155.5
(47) 07.08.2019
(87) IL2015050916
17.03.2016
(22) 08.09.2015
(54) COMPOSITIONS AND METHODS FOR TREATING CANCER RESISTANT TO A TYROSINE KINASE INHIBITOR (TKI)
(73) Yeda Research and Development Co., Ltd.
(72) YARDEN, Yosef
MANCINI, Maicol
GABORIT, Nadege
(31) 201462047150 P
(32) 08.09.2014
(33) United States of America

(51) C07K 16/28
G01N 33/53
(11) EP3068800
(21) EP14800000.3
(47) 07.08.2019
(87) EP2014074409
21.05.2015
(22) 12.11.2014
(54) ANTIBODIES SPECIFIC TO FCRN
(73) UCB Biopharma SPRL
(72) ATHERFOLD, Paul Alan
CESKA, Thomas Allen
FINNEY, Helene Margaret
KEVORKIAN, Lara
SARKAR, Kaushik
SMITH, Bryan John
TYSON, Kerry Louise
(31) 201320066
(32) 13.11.2013
(33) United Kingdom

(51) C07K 16/30
A61K 39/395
A61P 35/00
C12N 15/09
C12P 21/08
C07K 16/18
(11) EP2818481
(21) EP13751159.8

(47) 07.08.2019
(87) JP2013054312
29.08.2013
(22) 21.02.2013
(54) PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PREVENTION OF CANCER
(73) Toray Industries, Inc.
(72) KOBAYASHI, Shinichi
OKANO, Fumiyoshi
SAITO, Takanori
(31) 2012035342
(32) 21.02.2012
(33) Japan

(51) C07K 16/46
(11) EP2943511
(21) EP14738267.5
(47) 07.08.2019
(87) US2014011549
17.07.2014
(22) 14.01.2014
(54) NOVEL HETERODIMERIC PROTEINS
(73) Xencor, Inc.
(72) DESJARLAIS, John
MOORE, Gregory
RASHID, Rumana
BERNETT, Matthew J.
(31) 201361752348 P
201361764954 P
201361778157 P
201361780334 P
201361818153 P
201361818410 P
201361913832 P
201361913870 P
(32) 14.01.2013
14.02.2013
12.03.2013
13.03.2013
01.05.2013
01.05.2013
09.12.2013
09.12.2013
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) C07K 16/46
(11) EP3161007
(21) EP15732228.0
(47) 07.08.2019
(87) EP2015064409
30.12.2015
(22) 25.06.2015
(54) MULTISPECIFIC ANTIBODY CONSTRUCTS
(73) UCB Biopharma SPRL
(72) BHATTA, Pallavi
DAVE, Emma
HEYWOOD, Sam Philip
HUMPHREYS, David Paul
(31) 201411320
(32) 25.06.2014
(33) United Kingdom

(51) C07K 16/46
C07K 16/28
C12N 15/09
A61K 39/395
C07K 16/30
C12N 5/10
C12P 21/08
A61P 35/00
(11) EP2878670
(21) EP13799754.0
(47) 07.08.2019
(87) JP2013065996
12.12.2013
(22) 10.06.2013
(54) ANTIBODY AGAINST TRANSPORTER AND USE THEREOF
(73) Kinki University
Link Genomics, Inc.
(72) MASUKO, Takashi
NIWA, Shinichiro
HAYASHI, Hidemi
OGURA, Dai
SHINDOU, Takayuki
(31) 2012131424
(32) 08.06.2012
(33) Japan

(51) C07K 19/00
C07K 4/00
C07K 14/62
C07K 14/575
C12P 21/06
(11) EP3083701
(21) EP14827189.3
(47) 07.08.2019
(87) EP2014078165
25.06.2015
(22) 17.12.2014
(54) ENTEROKINASE CLEAVABLE POLYPEPTIDES
(73) Novo Nordisk A/S
(72) OLESEN, Kjeld
BRANDT, Jakob
(31) 13197732
(32) 17.12.2013
(33) European Patent Office (EPO)

(51) C07K 19/00
C07K 14/50
C12N 15/62
A61K 38/18
A61P 3/10
(11) EP2726511
(21) EP12807786.4
(47) 07.08.2019
(87) US2012045087
10.01.2013
(22) 29.06.2012
(54) COMPOSITIONS, USES AND METHODS FOR TREATMENT OF METABOLIC DISORDERS AND DISEASES
(73) NGM Biopharmaceuticals, Inc.
(72) LING, Lei
LINDHOUT, Darrin, A.
(31) 201161504128 P
201161515126 P
(32) 01.07.2011
04.08.2011
(33) United States of America
United States of America

(51) C08B 11/20
A61K 9/28
C08B 13/00
(11) EP2888289
(21) EP13752792.5
(47) 07.08.2019
(87) US2013055037
27.02.2014
(22) 15.08.2013
(54) PARTIALLY CROSS-LINKED ESTERIFIED CELLULOSE ETHERS
(73) Dow Global Technologies LLC
(72) BRACKHAGEN, Meinolf
GRASMAN, Nicholas, S.
LI, Yongfu
MEUNIER, David, M.
PETERMANN, Oliver
SPREHE, Matthias
(31) 201261692927 P
(32) 24.08.2012
(33) United States of America

(51) C08B 13/00
C08B 11/20
A61K 47/38
A61K 9/16
(11) EP3107940
(21) EP15703205.3
(47) 07.08.2019
(87) US2015012981
27.08.2015
(22) 27.01.2015
(54) NOVEL ESTERIFIED CELLULOSE ETHERS OF HIGH MOLECULAR WEIGHT AND HOMOGENEITY
(73) Dow Global Technologies LLC
(72) PETERMANN, Oliver
SPREHE, Matthias
BRACKHAGEN, Meinolf
(31) 201461942371 P
(32) 20.02.2014
(33) United States of America

(51) C08B 37/00
C08L 5/00
D01F 9/00
(11) EP3341417
(21) EP16760889.2
(47) 07.08.2019
(87) US2016049194
09.03.2017
(22) 29.08.2016
(54) BENZYL ALPHA-(1, 3)-GLUCAN AND FIBERS THEREOF
(73) E. I. du Pont de Nemours and Company
(72) JOHNSON, Ross S.
BEHABTU, Natnael
BRIEGEL, Alicia C.
MCADAMS III, Hugh P.
(31) 201562211236 P
201562211217 P
(32) 28.08.2015
28.08.2015
(33) United States of America
United States of America

(51) C08B 37/06
B01F 17/36
(11) EP2388278
(21) EP10731239.9
(47) 07.08.2019

(87) JP2010050243
22.07.2010
(22) 12.01.2010
(54) MODIFIED SUGAR BEET PECTIN AND METHOD FOR USING THE SAME
(73) San-Ei Gen F.F.I., INC.
(72) NAKAUMA, Makoto
ISHIHARA, Sayaka
FUNAMI, Takahiro
(31) 2009004754
(32) 13.01.2009
(33) Japan

(51) C08C 19/24
C08C 19/25
C08C 19/42
C08C 19/44
C08F 236/06
C08F 236/08
C08F 236/10
B60C 1/00
C08K 3/36
(11) EP3347381
(21) EP16791072.8
(47) 07.08.2019
(87) IB2016001420
16.03.2017
(22) 09.09.2016
(54) METHODS FOR PREPARATION OF FUNCTIONALIZED POLYMERS
(73) Bridgestone Corporation
(72) YAN, Yuan-yong
(31) 201562216827 P
(32) 10.09.2015
(33) United States of America

(51) C08C 19/25
B60C 1/00
C08C 19/22
C08C 19/44
C08L 9/00
C08F 236/10
C08F 36/06
(11) EP3309180
(21) EP16807486.2
(47) 07.08.2019
(87) JP2016066963
15.12.2016
(22) 07.06.2016
(54) MODIFIED CONJUGATED DIENE-BASED POLYMER AND PRODUCTION METHOD
(73) ASAHI KASEI KABUSHIKI KAISHA
(72) KYO, Miki
SEKIKAWA, Shinichi
(31) 2015119504
(32) 12.06.2015
(33) Japan

(51) C08F 2/00
B01J 19/00
B29D 23/00
C08F 2/01
C08F 2/12
C08F 2/18
C08L 23/04
C08L 23/06
F16L 9/12
(11) EP3293207
(21) EP16188322.8
(47) 07.08.2019
(22) 12.09.2016
(54) MULTIMODAL POLYETHYLENE PIPE
(73) SCG Chemicals Co., Ltd.
Thai Polyethylene Co., Ltd.
(72) SUCHAO-IN, Nattapom
KLOMKAMOL, Warachad

(51) C08F 2/24
C08F 293/00
C08L 53/00
C09D 153/00
(11) EP2260062
(21) EP09729091.0
(47) 07.08.2019
(87) EP2009053891
08.10.2009
(22) 01.04.2009
(54) ADHESION TO PLASTIC WITH BLOCK COPOLYMERS OBTAINED USING RAFT
(73) DSM IP Assets B.V.
(72) SCHELLEKENS, Michael Arnoldus Jacobus
OVERBEEK, Gerardus Cornelis
NABUURS, Tijs
GEURTS, John
(31) 08103288
(32) 01.04.2008
(33) European Patent Office (EPO)

(51) C08F 4/02
C08F 4/6592
C08F 10/00
(11) EP3050904
(21) EP14865686.1
(47) 07.08.2019
(87) KR2014011580
04.06.2015
(22) 28.11.2014
(54) A PREPARATION METHOD OF A SUPPORTED METALLOCENE CATALYST
(73) LG Chem, Ltd.
(72) LEE, Seung Mi
CHOI, Yi Young
LEE, Ki Soo
SONG, Eun Kyoung
KWON, Heon Yong
CHO, Min Seok
HONG, Dae Sik
KWON, Hyun Jee
SUNG, Yu Taek
JEONG, Dong Hoon
(31) 20130146473
20140167732
(32) 28.11.2013
27.11.2014
(33) Korea (Republic)
Korea (Republic)

(51) C08F 4/02
C08F 10/02
C08F 4/6592
B01J 31/22
(11) EP3345934
(21) EP18151905.9
(47) 07.08.2019
(22) 22.09.2010
(54) CATALYST COMPOSITION COMPRISING A METALLOCENE AND A SILICA-COATED ALUMINA ACTIVATOR-SUPPORT
(73) Chevron Phillips Chemical Company LP
(72) MCDANIEL, Max P.
YANG, Qing
MUNINGER, Randall S
BENHAM, Elizabeth A.
CLEAR, Kathy S.
(31) 565257
(32) 23.09.2009
(33) United States of America

(51) C08F 4/655
C08F 110/02
(11) EP3189085
(21) EP15782094.5
(47) 07.08.2019
(87) TH2015000055
10.03.2016
(22) 04.09.2015
(54) A METHOD FOR PREPARING HIGH ACTIVITY ETHYLENE POLYMERIZATION CATALYST
(73) PTT Global Chemical Public Company Limited
(72) SAMINGPRAI, Sutheerawat
KANGWANWONG, Tienkul
PHETRAK, Nared
(31) 1401005145
(32) 04.09.2014
(33) Thailand

(51) C08F 4/656
C08F 110/02
(11) EP3207067
(21) EP15778946.2
(47) 07.08.2019
(87) EP2015073577
21.04.2016
(22) 12.10.2015
(54) CATALYST COMPOSITION FOR THE POLYMERIZATION OF OLEFINS
(73) SABIC Global Technologies B.V.
(72) SMEETS, Remy Peter Theresia
CHAN, Robert Lap Key
FRIEDERICHS, Nicolaas Hendrika
(31) 14189160
(32) 16.10.2014
(33) European Patent Office (EPO)

(51) C08F 4/6592
C08F 110/06
(11) EP2563821
(21) EP11718333.5
(47) 07.08.2019
(87) EP2011056673
03.11.2011
(22) 27.04.2011
(54) CATALYSTS
(73) Borealis AG
(72) RESCONI, Luigi
CASTRO, Pascal
HUHTANEN, Lauri
HAFNER, Norbert
(31) 10196564
10161364
(32) 22.12.2010
28.04.2010
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C08F 10/02
C08F 255/00
(11) EP3126410
(21) EP15774488.9

(47) 07.08.2019
(87) CN2015074713
08.10.2015
(22) 20.03.2015
(54) CROSSLINKABLE POLYMERIC COMPOSITIONS WITH DIALLYLAMIDE CROSSLINKING COAGENTS, METHODS FOR MAKING THE SAME, AND ARTICLES MADE THEREFROM
(73) DOW GLOBAL TECHNOLOGIES LLC
(72) CAI, Yu
ZHANG, Hong Liang
SUN, Yabin
COGEN, Jeffrey M.
SENGUPTA, Saurav S.
(31) PCT/CN2014/074383
(32) 31.03.2014
(33) World Intellectual Property Office (WIPO)

(51) C08F 36/06
C09J 109/00
(11) EP3348589
(21) EP17151585.1
(47) 07.08.2019
(22) 16.01.2017
(54) POLYBUTADIENES, THEIR PREPARATION AND USE
(73) Evonik Degussa GmbH
(72) KRANNIG, Kai-Steffen
HERWIG, Jürgen
BERLINEANU, Andreas
AMMER, Miriam
KEMPER, Philip
PSCHANTKA, Alexander
GROSS-ONNEBRINK, Yvonne
BEUERS, Gudula
BUKOHL, Margit
LUCE, Kirsten
JITTENMEIER, Siegfried

(51) C08F 218/08
C08F 220/18
C09D 133/08
(11) EP3176187
(21) EP15003435.3
(47) 07.08.2019
(22) 02.12.2015
(54) FORMALDEHYDE-FREE THERMALLY CURABLE POLYMERS
(73) Organik Kimya Sanayi Ve Tic. A.S.
(72) GÖKTAS, Miray
PEREZ LORENZO, Guillermo
KONTART, Oya
ALTINOK, Sibel
BAKIRCI, Utkan Bahri

(51) C08F 218/10
A61K 35/16
B01D 69/06
B01D 69/08
B01D 71/44
B01D 71/68
C08F 226/10
A61L 33/06
(11) EP3279227
(21) EP16772271.9
(47) 07.08.2019
(87) JP2016058162
06.10.2016
(22) 15.03.2016
(54) SEPARATION MEMBRANE MODULE FOR MEDICAL USE, MEDICAL DEVICE USING THE SAME, AND BLOOD PURIFIER
(73) Toray Industries, Inc.
(72) USHIRO, Suguru
TAKAHASHI, Hiroshi
UENO, Yoshiyuki
(31) 2015072340
(32) 31.03.2015
(33) Japan

(51) C08F 220/18
C08F 265/04
C08F 265/06
C08L 51/04
C08L 25/12
C08J 5/00
C08L 33/26
(11) EP3103838
(21) EP15746984.2
(47) 07.08.2019
(87) JP2015052540
13.08.2015
(22) 29.01.2015
(54) THERMOPLASTIC RESIN COMPOSITION
(73) Toray Industries, Inc.
(72) SHIMOZAWA, Taku
KOYAMA, Masafumi
SHIROTANI, Kosuke
(31) 2014021132
2014176745
2014199543
(32) 06.02.2014
01.09.2014
30.09.2014
(33) Japan
Japan
Japan

(51) C08F 220/18
C08F 275/00
C09D 133/08
C09D 143/02
(11) EP3157968
(21) EP14895220.3
(47) 07.08.2019
(87) CN2014080359
23.12.2015
(22) 20.06.2014
(54) MULTI-STAGE LATEX POLYMERS, PROCESS THEREOF, AND COATING COMPOSITIONS MADE THEREOF
(73) Dow Global Technologies LLC
Rohm and Haas Company
(72) CUI, Wei
WANG, Tao
CUI, Longlan
BOHLING, James

(51) C08F 222/38
C08F 230/08
(11) EP3126416
(21) EP15717333.7
(47) 07.08.2019
(87) US2015023251
08.10.2015
(22) 30.03.2015
(54) SILICONE ACRYLAMIDE COPOLYMER
(73) Johnson & Johnson Vision Care Inc.
(72) TAMIYA, Ryuta
FUJISAWA, Kazuhiko
NAKAMURA, Masataka
MAGGIO, Thomas L.
TURNAGE, Michelle Carman
CLARK, Michael R.
(31) 201461972862 P
201514671010
(32) 31.03.2014
27.03.2015
(33) United States of America
United States of America

(51) C08F 222/40
C08L 55/02
C08F 236/12
C08F 279/02
(11) EP2690116
(21) EP12760753.9
(47) 07.08.2019
(87) JP2012057029
27.09.2012
(22) 19.03.2012
(54) N-PHENYLMALEIMIDE COMPOUND AND COPOLYMER COMPOSITION OBTAINED USING SAME
(73) Nippon Shokubai Co., Ltd.
(72) TAKAKI, Hiroyuki
(31) 2011065547
(32) 24.03.2011
(33) Japan

(51) C08F 236/10
C08F 4/54
C08F 210/02
C08F 212/08
(11) EP3138859
(21) EP15807535.8
(47) 07.08.2019
(87) JP2015002817
17.12.2015
(22) 03.06.2015
(54) METHOD FOR PRODUCING MULTI-COMPONENT COPOLYMER
(73) Bridgestone Corporation
(72) OISHI, Shigeki
KAITA, Shojiro
(31) 2014121721
(32) 12.06.2014
(33) Japan

(51) C08F 271/00
C08L 39/00
D21H 21/10
(11) EP2840100
(21) EP14181277.6
(47) 07.08.2019
(22) 18.08.2014
(54) NOVEL POLYMERIC HYDROSULUBLE COMPLEXES AND THER USE
(73) S.P.C.M. SA
(72) Hund, René
Faucher, Gatien
Fougerousse, Damien
(31) 1358119
(32) 22.08.2013
(33) France

(51) C08F 290/10
C08B 37/16
C08L 5/16
C08F 283/00

(11) EP2947104
(21) EP13871673.3
(47) 07.08.2019
(87) JP2013082572
24.07.2014
(22) 04.12.2013
(54) COMPOSITION FOR SOFT MATERIALS, AND SOFT MATERIAL
(73) Sumitomo Seika Chemicals Co., Ltd.
Advanced Softmaterials Inc.
(72) MASUHARA Yusaku
HASHIMOTO Naoyuki
(31) 2013008506
(32) 21.01.2013
(33) Japan

(51) C08G 16/04
C07C 245/20
G03F 7/021
G03F 7/004
(11) EP3081581
(21) EP15832938.3
(47) 07.08.2019
(87) CN2015081526
14.07.2016
(22) 16.06.2015
(54) DIAZORESIN, PHOTORESIST COMPOSITION AND PREPARATION METHOD OF PHOTORESIST COMPOSITION
(73) BOE Technology Group Co., Ltd.
(72) WANG, Jianguo
(31) 201510012836
(32) 09.01.2015
(33) China

(51) C08G 18/10
C08G 18/62
C08L 75/04
C09D 175/04
C08F 283/00
C08G 18/48
C08G 18/66
C08F 290/06
C08G 18/08
C08G 18/12
C08G 18/32
C08G 18/34
C08G 18/42
(11) EP2776483
(21) EP11877781.2
(47) 07.08.2019
(87) CN2011084416
27.06.2013
(22) 22.12.2011
(54) PROCESS FOR MAKING CROSSLINKABLE POLYURETHANE/ ACRYLIC HYBRID DISPERSIONS
(73) Dow Global Technologies LLC
Rohm and Haas Company
(72) ZHANG, Jiguang
GUO, Shouxue
WANG, Yujiang
FENG, Shaoguang
JIANG, Siyuan
WANG, Caifeng

(51) C08G 18/48
C08G 18/40
C08G 18/32
C08G 18/10
C08G 18/66
C08G 18/62
C08G 18/72
C08G 18/75
G02B 1/04
G02C 5/00
C08G 18/38
C07D 295/067
C07C 263/20
C07D 295/185
C08G 18/73
C08G 18/76
C07D 295/16
C07D 295/08
(11) EP3168256
(21) EP16204704.7
(47) 07.08.2019
(22) 25.09.2014
(54) EYEWEAR MATERIAL COMPRISING A POLYURETHANE RESIN, EYEWEAR FRAME AND LENS
(73) Mitsui Chemicals, Inc.
(72) Yamasaki, Satoshi
Morita, Hirokazu
Kuwamura, Goro
Nishiguchi, Daisuke
Nakagawa, Toshihiko
Hasegawa, Daisuke
Hamada, Tetsuya
Kiyono, Shinji
Fukuda, Takeshi
Kosumi, Kazuhiro
Tsukada, Hidetaka
Goto, Kenichi
Ito, Shinsuke
Kakinuma, Naoyuki
(31) 2013200500
2014126296
(32) 26.09.2013
19.06.2014
(33) Japan
Japan

(51) C08G 18/50
C08G 18/64
C09K 3/32
C08J 9/00
C08K 3/00
C08G 18/32
C08G 18/38
(11) EP3004197
(21) EP14730819.1
(47) 07.08.2019
(87) EP2014061782
11.12.2014
(22) 06.06.2014
(54) COMPOUND FOR THE FORMATION OF AN INSULATING LAYER AND USE OF SAME
(73) Hilti Aktiengesellschaft
(72) MARAUSKA, Juliane
BRINKHORST, Johannes
PAETOW, Mario
WÖLFLE, Ingrid
LEWANDOWSKI, Wolfgang
SIMON, Sebastian
(31) 13170748
(32) 06.06.2013
(33) European Patent Office (EPO)

(51) C08G 59/68
C08G 59/50
C08G 59/40
C08G 59/56
C08K 5/5313
C08J 5/24
(11) EP3309190
(21) EP16807563.8
(47) 07.08.2019
(87) JP2016067229
15.12.2016
(22) 09.06.2016
(54) EPOXY RESIN COMPOSITION, MOLDED ARTICLE, PREPREG, FIBER-REINFORCED COMPOSITE MATERIAL AND STRUCTURE
(73) Mitsubishi Chemical Corporation
(72) USHIYAMA, Hisaya
WATANABE, Kenichi
(31) 2015118446
2016032250
(32) 11.06.2015
23.02.2016
(33) Japan
Japan

(51) C08G 61/02
C08G 14/12
C08G 73/06
C08J 5/24
C08L 61/00
C08L 63/00
C08L 71/02
C08L 79/04
C09J 4/00
C09J 11/06
C09J 11/08
C09J 161/00
C09J 163/00
C09J 165/04
C09J 179/04
C09J 201/06
C09K 3/10
C09J 161/34
C08L 61/34
(11) EP3214104
(21) EP15869741.7
(47) 07.08.2019
(87) JP2015082954
23.06.2016
(22) 24.11.2015
(54) CYANIC ACID ESTER COMPOUND, METHOD FOR PRODUCING SAME, RESIN COMPOSITION AND CURED PRODUCT
(73) Mitsubishi Gas Chemical Company, Inc.
(72) KOBAYASHI, Takashi
TAKANO, Kentaro
KATAGIRI, Masayuki
TOKUZUMI, Keita
SHIMA, Tatsuya
(31) 2014255801
2014255802
(32) 18.12.2014
18.12.2014
(33) Japan
Japan

(51) C08G 63/08
C08G 63/60

C08G 18/42
C08G 18/10
(11) EP2838932
(21) EP13715716.0
(47) 07.08.2019
(87) EP2013057839
24.10.2013
(22) 15.04.2013
(54) POLYESTER POLYOL FOR USE IN POLYURETHANE
(73) Purac Biochem bv
(72) HONCOOP, Wilhelmus, Jacobus, Adrianus
SCHAEKENS, Chris, François, Hubert
MAAS, Jurgen, Cornelis, Henricus
GUMBS, Mauraline, Alison, Maxine
(31) 12164256
201261624411 P
13155775
201361766147 P
(32) 16.04.2012
16.04.2012
19.02.2013
19.02.2013
(33) European Patent Office (EPO)
United States of America
European Patent Office (EPO)
United States of America

(51) C08G 63/672
(11) EP3279234
(21) EP16772720.5
(47) 07.08.2019
(87) JP2016059865
06.10.2016
(22) 28.03.2016
(54) CRYSTALLINE WHOLLY AROMATIC POLYESTER AND METHOD FOR PRODUCING SAME
(73) JXTG Nippon Oil & Energy Corporation
(72) ANDO, Masatoshi
(31) 2015068887
(32) 30.03.2015
(33) Japan

(51) C08G 63/672
D21C 9/08
D21H 17/53
(11) EP2885336
(21) EP13750267.0
(47) 07.08.2019
(87) EP2013002452
27.02.2014
(22) 14.08.2013
(54) POLYESTER
(73) Clariant International Ltd
(72) FISCHER, Dirk
MORSCHHAEUSER, Roman
NAUMANN, Peter
LEONE-KAMMLER, Antonella
COWMAN, John, Stuart
KOHLER, Achim
(31) 102012016444
(32) 18.08.2012
(33) Germany

(51) C08G 64/14
C08G 64/24
C08L 69/00
(11) EP3225645
(21) EP17170119.6
(47) 07.08.2019
(22) 13.03.2014
(54) PHOTOACTIVE ADDITIVES WITH PHOTOACTIVE MONOMERS AND ENDCAPS
(73) SABIC Global Technologies B.V.
(72) MORIZUR, Jean-Francois
SYBERT, Paul Dean
(31) 201361780222 P
(32) 13.03.2013
(33) United States of America

(51) C08G 65/26
C09K 17/18
(11) EP3294790
(21) EP16730059.9
(47) 07.08.2019
(87) US2016031228
17.11.2016
(22) 06.05.2016
(54) PROCESS FOR INCREASING THE WETTING RATE OF HYDROPHOBIC MEDIA WITH A WETTING COMPOSITION
(73) BASF SE
(72) NIEDZWIECKI, Daniel
ROH, Yeonsuk
ERICKSON, John P.
(31) 201562159003 P
(32) 08.05.2015
(33) United States of America

(51) C08G 65/32
C08G 65/325
C08G 65/333
(11) EP3347402
(21) EP16766066.1
(47) 07.08.2019
(87) GB2016052801
16.03.2017
(22) 09.09.2016
(54) DEFINED MONOMER SEQUENCE POLYMERS
(73) IP2IPO Innovations Limited
(72) GAFFNEY, Piers
LIVINGSTON, Andrew
CHEN, Rongjun
DONG, Ruijiao
LIU, Ruiyi
MARCHETTI, Patrizia
(31) 201516067
(32) 10.09.2015
(33) United Kingdom

(51) C08G 65/333
C08G 65/337
C08G 65/24
D06M 15/61
D06M 16/00
(11) EP2898001
(21) EP13758874.5
(47) 07.08.2019
(87) EP2013068404
27.03.2014
(22) 05.09.2013
(54) TEXTILE TREATMENT COMPOUNDS AND COMPOSITIONS
(73) Devan Chemicals NV
(72) CHATTOPADHYAY, Subrata
MOELLER, Martin
KEUL, Helmut
DURKA, Maxime
BUDZYNSKI, James
(31) 201216638
(32) 18.09.2012
(33) United Kingdom

(51) C08G 69/16
C08K 3/34
C08L 77/02
(11) EP2660268
(21) EP11852381.0
(47) 07.08.2019
(87) CN2011084661
05.07.2012
(22) 26.12.2011
(54) NANO PARTICLE/POLYAMIDE COMPOSITE MATERIAL, PREPARATION METHOD THEREFOR, AND USE THEREOF
(73) Shanghai Genius Advanced Material (Group) Co. Ltd
(72) XIA, Housheng
YANG, Guisheng
(31) 201010609499
(32) 28.12.2010
(33) China

(51) C08G 71/02
C08G 65/22
C08G 83/00
(11) EP1440995
(21) EP03001545.7
(47) 07.08.2019
(22) 23.01.2003
(54) Hydroxyl-group containing polymers
(73) Rapp Polymere GmbH
(72) Rapp, Wolfgang, Dr.
Haag, Rainer, Dr.
Stumbé, Jean-Francois, Dr.
Türk, Holger, Dipl. Chem.

(51) C08G 77/08
C08G 77/14
C08G 77/38
(11) EP3371245
(21) EP16790340.0
(47) 07.08.2019
(87) EP2016076340
11.05.2017
(22) 02.11.2016
(54) PROCESS FOR PREPARING POLYALKYLENE ETHER-MODIFIED POLYSILOXANES AND USE THEREOF
(73) BASF SE
(72) ENGELBRECHT, Lothar
PETER, Wolfgang
GERNANDT, Andreas
AUSCHRA, Clemens
KNISCHKA, Ralf
KRANWETVOGEL, Reiner
(31) 15193233
(32) 05.11.2015
(33) European Patent Office (EPO)

(51) C08G 77/382
C08G 77/46
C08L 83/12
(11) EP3371247
(21) EP16793797.8
(47) 07.08.2019
(87) EP2016076330
11.05.2017
(22) 02.11.2016

(54) PROCESS FOR PREPARING POLYALKYLENE ETHER-MODIFIED POLYSILOXANES AND USE THEREOF
(73) BASF SE
(72) ENGELBRECHT, Lothar
PETER, Wolfgang
AUSCHRA, Clemens
KNISCHKA, Ralf
KRANWETVOGEL, Reinier
(31) 15193230
(32) 05.11.2015
(33) European Patent Office (EPO)

(51) C08G 81/00
A61C 8/02
A61F 2/28
A61K 47/34
A61B 17/88
C08J 3/075
C08F 299/02
A61B 17/00
A61B 90/00
A61B 17/68
(11) EP3131953
(21) EP15780119.2
(47) 07.08.2019
(87) US2015025556
22.10.2015
(22) 13.04.2015
(54) NOVEL HYDROGEL TISSUE EXPANDERS
(73) Akina Inc. (an Indiana (US) Corp.)
The Government of the United States of America as Represented by the Department of Veterans Affairs
(72) BARCO, Clark Tobias
PARK, Kinam
PARK, Haesun
FU, Yourong
GARNER, John Solomon
(31) 201461979080 P
(32) 14.04.2014
(33) United States of America

(51) C08G 83/00
A61K 49/12
(11) EP3298066
(21) EP16729065.9
(47) 07.08.2019
(87) IB2016052952
24.11.2016
(22) 19.05.2016
(54) DENDRI-TAC AND THEIR USE AS THERANOSTICS
(73) Université d'Avignon et des Pays de Vaucluse
Centre National de la Recherche Scientifique
(72) DESGRANGES, Stéphane
URBACH, Wlodzimierz
SOMAGLINO, Lucie
TAULIER, Nicolas
PEPIN, Christiane
(31) 15305750
(32) 19.05.2015
(33) European Patent Office (EPO)

(51) C08H 8/00
(11) EP2718351
(21) EP12726621.1
(47) 07.08.2019
(87) EP2012060925
13.12.2012
(22) 08.06.2012
(54) WOOD FIBRE ACETYLATION
(73) Titan Wood Limited
(72) PAINTER, Benjamin
(31) 201161495515 P
(32) 10.06.2011
(33) United States of America

(51) C08J 3/20
C08J 5/18
B01F 15/04
B29B 7/88
B01F 13/10
B01F 15/00
(11) EP2756029
(21) EP12762532.5
(47) 07.08.2019
(87) EP2012003767
21.03.2013
(22) 07.09.2012
(54) COLOURED FOIL, PROCESS AND DEVICE FOR THE MANUFACTURE OF THE FOIL
(73) Klöckner Pentaplast GmbH
(72) KOHLERT, Christian
SCHMIDT, Bernd
SCHNABEL, Andreas
MICHELS, Frank
RAZIGRAEV, Alexander
CHISTYAKOVA, Tamara
SCHAAF, Marco
(31) 102011113543
(32) 15.09.2011
(33) Germany

(51) C08J 3/28
A61L 2/08
(11) EP3103829
(21) EP15746287.0
(47) 07.08.2019
(87) JP2015053325
13.08.2015
(22) 06.02.2015
(54) STERILIZED OXYGEN-ABSORBENT RESIN COMPOSITION, STERILIZED OXYGEN-ABSORBENT MULTILAYERED CONTAINER, AND METHOD FOR MANUFACTURING SAME
(73) Mitsubishi Gas Chemical Company, Inc.
(72) ITO, Fumihiro
OKADA, Satoshi
IWAMOTO, Shinpei
(31) 2014021347
(32) 06.02.2014
(33) Japan

(51) C08J 5/04
(11) EP3342804
(21) EP17210244.4
(47) 07.08.2019
(22) 22.12.2017
(54) COMPOSITE AND METHOD OF PREPARING THE SAME
(73) Lotte Advanced Materials Co., Ltd.
(72) Bae, Yun Seok
Ban, Kyun Ha
Kwon, Kee Hae
(31) 20160180116
(32) 27.12.2016
(33) Korea (Republic)

(51) C08J 5/18
C08L 67/04
(11) EP3008120
(21) EP14811655.1
(47) 07.08.2019
(87) IB2014062028
18.12.2014
(22) 06.06.2014
(54) POLYMERIC MATERIAL FOR USE IN THERMAL INSULATION
(73) Kimberly-Clark Worldwide, Inc.
(72) TOPOLKARAEV, Vasily, A.
MCENEANY, Ryan, J.
SCHOLL, Neil, T.
COLMAN, III, Charles, W.
MLEZIVA, Mark M.
(31) 201361833992 P
201361907562 P
(32) 12.06.2013
22.11.2013
(33) United States of America
United States of America

(51) C08J 5/18
C08L 67/04
(11) EP3030605
(21) EP14834258.7
(47) 07.08.2019
(87) IB2014062037
12.02.2015
(22) 06.06.2014
(54) FLEXIBLE POLYMERIC MATERIAL WITH SHAPE RETENTION PROPERTIES
(73) Kimberly-Clark Worldwide, Inc.
(72) TOPOLKARAEV, Vasily, A.
MCENEANY, Ryan, J.
SCHOLL, Neil, T.
(31) 201361863936 P
201361907592 P
(32) 09.08.2013
22.11.2013
(33) United States of America
United States of America

(51) C08J 9/18
(11) EP3012287
(21) EP14813497.6
(47) 07.08.2019
(87) JP2014065982
24.12.2014
(22) 17.06.2014
(54) POLYPROPYLENE RESIN FOAMED PARTICLES HAVING EXCELLENT FLAME RESISTANCE AND CONDUCTIVITY AND POLYPROPYLENE RESIN-TYPE IN-MOLD FOAM MOLDED BODY
(73) Kaneka Corporation
(72) MIURA Shintaro
(31) 2013130769
(32) 21.06.2013
(33) Japan

(51) C08J 11/10
C08J 11/12
C08J 11/16
(11) EP3178874
(21) EP16200696.9
(47) 07.08.2019
(22) 25.11.2016

(54) METHOD FOR RECOVERING FIBER ASSEMBLY FROM THERMOSETTING RESIN COMPOSITE MATERIALS AND RECOVERED FIBER ASSEMBLY THEREBY
(73) Korea Institute of Science and Technology
(72) GOH, Munju
JUNG, Jin
YU, Jin Won
YOU, Nam Ho
YEO, Hyeonuk
YOUN, Sang Jun
KU, Bon-Cheol
(31) 20150176914
(32) 11.12.2015
(33) Korea (Republic)

(51) C08K 3/00
C08K 3/22
C08L 15/02
C08L 83/04
(11) EP3227367
(21) EP15812979.1
(47) 07.08.2019
(87) EP2015078327
09.06.2016
(22) 02.12.2015
(54) FLUOROSILICONE ELASTOMERS COMPRISING YELLOW IRON OXIDE
(73) Dow Silicones Corporation
(72) DRAKE, Robert
LUQUE ALVAREZ, Jesus
(31) 201421521
(32) 02.12.2014
(33) United Kingdom

(51) C08K 3/22
(11) EP3318598
(21) EP17199720.8
(47) 07.08.2019
(22) 02.11.2017
(54) THERMOPLASTIC RESIN COMPOSITION AND ARTICLE PRODUCED THEREFROM
(73) Lotte Advanced Materials Co., Ltd.
(72) BAE, Seung Yong
KIM, Yoen Kyoung
KIM, Ju Sung
PARK, Kang Yeol
YANG, Cheon Seok
(31) 20160145153
20170111807
(32) 02.11.2016
01.09.2017
(33) Korea (Republic)
Korea (Republic)

(51) C08K 3/36
C08G 77/12
C08G 77/20
C08K 9/06
C08L 83/04
C08G 77/00
C09D 183/04
(11) EP3101062
(21) EP16001052.6
(47) 07.08.2019
(22) 10.05.2016
(54) NANOPARTICLE, METHOD FOR PRODUCING NANOPARTICLE, ADDITION CURING SILICONE RESIN COMPOSITION, AND SEMICONDUCTOR APPARATUS
(73) Shin-Etsu Chemical Co., Ltd.
(72) Mizunashi, Tomoyuki
Kusunoki, Takayuki
Takamizawa, Yuusuke
(31) 2015114428
(32) 05.06.2015
(33) Japan

(51) C08K 5/098
C08K 5/20
C08K 3/04
C08K 5/01
B60C 1/00
(11) EP3207090
(21) EP15849971.5
(47) 07.08.2019
(87) US2015055647
21.04.2016
(22) 15.10.2015
(54) IMPROVED RUBBER COMPOSITIONS AND USES THEREOF
(73) Bridgestone Corporation
(72) RANDALL, Amy M.
MCCAULEY, Kevin M.
AGARWAL, Sheel P.
ROBERTSON, Christopher G.
(31) 201462064139 P
(32) 15.10.2014
(33) United States of America

(51) C08L 1/10
C08K 3/04
(11) EP2883906
(21) EP13827218.2
(47) 07.08.2019
(87) JP2013071520
13.02.2014
(22) 08.08.2013
(54) CONDUCTIVE CELLULOSE-BASED RESIN COMPOSITION
(73) Daicel Corporation
(72) NAKAMURA Toshikazu
SHIMAMOTO Shu
OKADA Shizuka
(31) 2012175786
(32) 08.08.2012
(33) Japan

(51) C08L 9/00
B32B 25/04
B65G 15/34
C08K 3/04
C08K 3/26
C08L 7/00
C08L 9/06
C08L 93/04
(11) EP3312231
(21) EP16813954.1
(47) 07.08.2019
(87) JP2016002981
29.12.2016
(22) 21.06.2016
(54) RUBBER COMPOSITION, LAMINATE, AND CONVEYOR BELT
(73) Bridgestone Corporation
(72) TAKANO, Genho
AKAMA, Shuyou
(31) 2015125065
(32) 22.06.2015
(33) Japan

(51) C08L 9/06
B60C 1/00
C08K 5/17
(11) EP3317345
(21) EP16734357.3
(47) 07.08.2019
(87) EP2016065404
05.01.2017
(22) 30.06.2016
(54) RUBBER COMPOSITION COMPRISING HYDROCARBON RESIN HAVING LOW GLASS TRANSITION TEMPERATURE, COUPLING AGENT AND PRIMARY AMINE
(73) Compagnie Générale des Etablissements Michelin
(72) VARAGNIAT, Franck
(31) 1556232
(32) 02.07.2015
(33) France

(51) C08L 23/08
C08K 5/14
H01L 31/048
(11) EP3448925
(21) EP17761547.3
(47) 07.08.2019
(87) EP2017072659
15.03.2018
(22) 08.09.2017
(54) CURABLE COMPOSITION COMPRISING AN ETHYLENE POLYMER, A MONOPEROXYCARBONATE AND A T-ALKYL HYDROPEROXIDE
(73) Arkema France
(72) LU, Chao
(31) 1658362
(32) 08.09.2016
(33) France

(51) C08L 23/08
C08L 23/16
C08L 75/04
C08L 83/04
(11) EP2480603
(21) EP10760168.4
(47) 07.08.2019
(87) US2010048075
31.03.2011
(22) 08.09.2010
(54) FLEXIBLE, MOLDED OR EXTRUDED ARTICLES AND SEMICONDUCTIVE COMPOUNDS FOR THEIR MANUFACTURE
(73) Union Carbide Chemicals & Plastics Technology LLC
(72) ESSEGHIR, Mohamed
COGEN, Jeffrey, M.
(31) 244618 P
(32) 22.09.2009
(33) United States of America

(51) C08L 23/10
(11) EP3347413
(21) EP16762763.7
(47) 07.08.2019
(87) EP2016070681
16.03.2017
(22) 02.09.2016
(54) POLYOLEFIN COMPOSITIONS

(73) SABIC Global Technologies B.V.
(72) HADIMANI, Imam, Khasim
ALSHAIBAN, Mr. Ahmad Abdullah
ALBELADI, Mr. Abdulrahman
MEDDAD, Abderrahman
AL-SADHAN, Musaad
AL-HUSSAIN, Saad, N.
(31) 15184371
(32) 09.09.2015
(33) European Patent Office (EPO)

(51) C08L 23/12
C08L 23/16
C08K 3/34
C08F 210/06
C08F 2/00
(11) EP3377575
(21) EP16797576.2
(47) 07.08.2019
(87) EP2016078025
26.05.2017
(22) 17.11.2016
(54) HIGH FLOW TPO COMPOSITION WITH EXCELLENT LOW TEMPERATURE IMPACT
(73) Borealis AG
(72) GRESTENBERGER, Georg
SANDHOLZER, Martina
(31) 15194956
(32) 17.11.2015
(33) European Patent Office (EPO)

(51) C08L 25/12
C08K 3/22
C08L 55/02
C08L 71/02
(11) EP3339367
(21) EP17210117.2
(47) 07.08.2019
(22) 22.12.2017
(54) IONIZING RADIATION RESISTANT THERMOPLASTIC RESIN COMPOSITION AND ARTICLE COMPRISING THE SAME
(73) Lotte Advanced Materials Co., Ltd.
(72) KIM, Yoen Kyoung
JANG, Joo Hyun
KIM, Ju Sung
PARK, Kyung Min
PARK, Dong Hyun
BAE, Seung Yong
YANG, Cheon Seok
(31) 20160177857
(32) 23.12.2016
(33) Korea (Republic)

(51) C08L 27/06
C08K 5/12
C08J 9/04
C08J 5/00
(11) EP3068835
(21) EP14861996.8
(47) 07.08.2019
(87) KR2014010848
21.05.2015
(22) 12.11.2014
(54) VINYL CHLORIDE BASED RESIN COMPOSITION
(73) Hanwha Chemical Corporation
(72) KIM, Jae Song
JANG, Yeon Su
SIM, Ki Jo
KIM, YEO Jin
JANG, Taeyoung
(31) 20130139261
(32) 15.11.2013
(33) Korea (Republic)

(51) C08L 29/04
B32B 27/28
C08K 5/098
B29C 51/14
C08L 23/08
(11) EP3048136
(21) EP14845502.5
(47) 07.08.2019
(87) JP2014074071
26.03.2015
(22) 11.09.2014
(54) ETHYLENE-VINYL ALCOHOL COPOLYMER COMPOSITION, MULTILAYERED SHEET AND SECONDARY MOLDED ARTICLE THEREOF
(73) Mitsubishi Chemical Corporation
(72) INOUE, Kota
(31) 2013195436
(32) 20.09.2013
(33) Japan

(51) C08L 29/04
C08L 23/26
C08L 27/12
F16L 11/12
F17C 1/16
H01M 8/04
B32B 27/30
(11) EP3239232
(21) EP15873294.1
(47) 07.08.2019
(87) JP2015086275
30.06.2016
(22) 25.12.2015
(54) SAPONIFIED ETHYLENE-VINYL ESTER COPOLYMER RESIN COMPOSITION, RESIN TUBE FOR HIGH PRESSURE GAS OR RESIN LINER FOR COMPOSITE CONTAINER, AND HIGH PRESSURE GAS HOSE OR COMPOSITE CONTAINER
(73) Mitsubishi Chemical Corporation
(72) SHIBUTANI Mitsuo
INAKUMA Akinobu
KANDA Taiji
(31) 2014266899
(32) 27.12.2014
(33) Japan

(51) C08L 55/02
C03C 13/00
C08K 3/40
C03C 3/091
C03C 25/26
C08K 7/14
C08K 9/00
(11) EP3214129
(21) EP15855629.0
(47) 07.08.2019
(87) JP2015080779
06.05.2016
(22) 30.10.2015
(54) TRANSPARENT ABS RESIN COMPOSITION
(73) Asahi Fiber Glass Co., Ltd.
(72) NOGUCHI Takenori
SEKINE Keiji
(31) 2014221230
(32) 30.10.2014
(33) Japan

(51) C08L 55/02
C08L 33/12
C08L 83/06
C08L 25/12
C08K 3/36
C08K 9/06
C08G 77/14
(11) EP3222670
(21) EP15861890.0
(47) 07.08.2019
(87) KR2015011694
26.05.2016
(22) 03.11.2015
(54) THERMOPLASTIC RESIN COMPOSITION AND MOLDED PRODUCT COMPRISING SAME
(73) Lotte Advanced Materials Co., Ltd.
(72) KIM, Byeong Yeol
KIM, Yoen Kyoung
PARK, Dong Hyun
CHUNG, Yeon Wook
CHU, Dong Hui
KWON, Young Chul
PARK, Kang Yeol
(31) 20140163814
20150150394
(32) 21.11.2014
28.10.2015
(33) Korea (Republic)
Korea (Republic)

(51) C08L 63/00
C08L 61/12
C08L 61/34
C08K 5/5435
C09J 161/12
C09J 161/34
C08G 14/08
C08G 8/04
(11) EP2876137
(21) EP14192552.9
(47) 07.08.2019
(22) 10.11.2014
(54) Binder compositions of aliphatic or cycloaliphatic dicarboxaldehydes and resorcinol
(73) Rohm and Haas Company
Dow Global Technologies LLC
(72) Finch, William C.
Mulik, Sudhir
Sekharan, Manesh N.
(31) 201361908884 P
(32) 26.11.2013
(33) United States of America

(51) C08L 69/00
(11) EP2895556
(21) EP13771225.3
(47) 07.08.2019
(87) JP2013075387
20.03.2014
(22) 12.09.2013

(54) RESIN COMPOSITION FOR LASER DIRECT STRUCTURING, RESIN MOLDED ARTICLE, AND METHOD FOR MANUFACTURING MOLDED RESIN ARTICLE WITH PLATED LAYER
(73) Mitsubishi Engineering-Plastics Corporation
(72) MOTEGI, Atsushi
MARUYAMA, Hiroyoshi
(31) 2012203364
(32) 14.09.2012
(33) Japan

(51) C08L 69/00
C08K 5/42
C08K 9/06
C08L 27/14
G02B 5/08
(11) EP2404969
(21) EP10748639.1
(47) 07.08.2019
(87) JP2010052701
10.09.2010
(22) 23.02.2010
(54) AROMATIC POLYCARBONATE RESIN COMPOSITION, PROCESS FOR PRODUCING RESIN COMPOSITION, AND MOLDED ARTICLE
(73) Mitsubishi Engineering- Plastics Corporation
(72) KUROKAWA, Haruhiko
OGAWA, Yasushi
SHIRAISHI, Yutaka
(31) 2009050305
2009121051
2009183197
2010033146
(32) 04.03.2009
19.05.2009
06.08.2009
18.02.2010
(33) Japan
Japan
Japan
Japan

(51) C08L 77/00
C08K 5/19
C08K 5/22
C08K 5/3415
(11) EP3313938
(21) EP16728939.6
(47) 07.08.2019
(87) EP2016063428
29.12.2016
(22) 13.06.2016
(54) POLYMER COMPOSITION HAVING DELAYED CRYSTALLIZATION BEHAVIOR, ADDITIVE COMPOSITION THAT INFLUENCES THE CRYSTALLIZATION BEHAVIOR, METHOD FOR LOWERING THE CRYSTALLIZATION POINT, AND USE OF AN ADDITIVE COMPOSITION
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) GROOS, Benjamin
PFAENDNER, Rudolf
(31) 102015211632
(32) 23.06.2015
(33) Germany

(51) C08L 79/04
B32B 15/08
B32B 15/092
C08G 59/40
C08J 5/24
C08K 3/00
C08L 63/00
H05K 1/03
C08G 61/02
C08K 3/36
C08L 61/14
C08L 61/34
C08L 65/00
B32B 5/02
B32B 7/04
B32B 27/24
C08G 14/12
(11) EP3279266
(21) EP16771951.7
(47) 07.08.2019
(87) JP2016054855
06.10.2016
(22) 19.02.2016
(54) RESIN COMPOSITION FOR PRINTED WIRING BOARD, PREPREG, RESIN COMPOSITE SHEET, AND METAL FOIL-CLAD LAMINATE PLATE
(73) Mitsubishi Gas Chemical Company, Inc.
(72) KOBAYASHI, Takashi
TAKANO, Kentaro
(31) 2015072691
(32) 31.03.2015
(33) Japan

(51) C08L 83/14
C08J 9/00
A41D 31/00
D01F 9/00
(11) EP1644445
(21) EP04743132.5
(47) 07.08.2019
(87) GB2004002784
06.01.2005
(22) 25.06.2004
(54) ENERGY ABSORBING BLENDS
(73) Design Blue Ltd.
(72) GREEN, Philip
PALMER, Richard
(31) 0314824
(32) 25.06.2003
(33) United Kingdom

(51) C08L 101/00
B01J 31/22
C08G 73/06
H01B 1/12
H01M 4/86
H01M 4/90
H01M 4/92
H01M 8/1018
H01M 4/96
(11) EP3190157
(21) EP15838402.4
(47) 07.08.2019
(87) JP2015004423
10.03.2016
(22) 31.08.2015
(54) CONDUCTIVE HYBRID MATERIAL INCLUDING COVALENT ORGANIC STRUCTURE
(73) The University of Tokyo
Panasonic Corporation
(72) KAMIYA, Kazuhide
NAKANISHI, Shuji
HASHIMOTO, Kazuhito
IWASE, Kazuyuki
KAMAI, Ryo
(31) 2014177243
(32) 01.09.2014
(33) Japan

(51) C08L 101/00
C08K 9/00
C08K 3/22
(11) EP2203523
(21) EP08803579.5
(47) 07.08.2019
(87) EP2008061608
12.03.2009
(22) 03.09.2008
(54) CORE-SHELL NANOPARTICLES
(73) DSM IP Assets B.V.
(72) THIES, Jens Christoph
BUSKENS, Pascal Jozef Paul
(31) 07017371
(32) 05.09.2007
(33) European Patent Office (EPO)

(51) C08L 101/00
C08L 27/12
C08L 33/04
B32B 27/08
C08J 5/00
B29B 9/10
(11) EP2578639
(21) EP11786926.3
(47) 07.08.2019
(87) KR2011003882
01.12.2011
(22) 26.05.2011
(54) RESIN BLEND FOR MELT-PROCESSING, PELLET, METHOD FOR MANUFACTURING RESIN-MOLDED PRODUCT USING SAME AND RESIN-MOLDED PRODUCT
(73) LG Chem, Ltd.
(72) RYU, Jin Young
KIM, Hak Shin
YOO, Houng Sik
CHOI, Eun Joo
HONG, Young Jun
(31) 20110050298
20110050289
20100100385
20100050639
(32) 26.05.2011
26.05.2011
14.10.2010
28.05.2010
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) C09B 35/023
C09B 35/14
C09B 35/24
C09B 35/34
C09K 19/42
C09K 19/60
C09B 67/22
C09B 35/021

C09B 35/025
G02F 1/137
G02B 5/30
C09K 19/24
C09B 35/027
C09K 19/34
G02F 1/1335
C09K 19/30
G02F 1/1333
(11) EP3412734
(21) EP17194656.9
(47) 07.08.2019
(22) 04.10.2017
(54) DYE COMPOUND, COMPOSITION COMPRISING THE DYE COMPOUND, AND DISPLAY DEVICE USING THE DYE COMPOUND
(73) Samsung Display Co., Ltd.
(72) Chang, Jae Bok
Park, Ji Yun
Park, Jae Hong
Yoon, Hyung Guen
Lee, Kyung Hee
Tak, Kyung Seon
(31) 20170071318
(32) 08.06.2017
(33) Korea (Republic)

(51) C09C 1/00
C04B 41/86
C03C 8/14
C03C 17/22
C03C 3/091
C03C 8/02
C04B 41/00
C04B 41/50
C09D 1/00
C09D 5/03
C09D 5/36
(11) EP3159380
(21) EP16002113.5
(47) 07.08.2019
(22) 30.09.2016
(54) PIGMENT / FRIT MIXTURE
(73) Merck Patent GmbH
(72) Hamm, Lukas
Handrosch, Carsten
Nelischer, Nicole
(31) 102015013400
(32) 19.10.2015
(33) Germany

(51) C09D 5/02
C08J 7/04
C09D 133/10
(11) EP3362523
(21) EP16794708.4
(47) 07.08.2019
(87) FR2016052670
20.04.2017
(22) 14.10.2016
(54) IMPROVED POLYESTER/PRIMER/METAL COMPOSITE FILM THAT IS COHESIVE AND IMPERMEABLE TO GAS, METHOD FOR PRODUCING SAME AND THE PRIMER USED IN SAID METHOD
(73) Toray Films Europe
(72) OUZINEB, Keltoum
PENACHE, Maria Cristina
DERVEAUX, Laurent
(31) 1559896
(32) 16.10.2015
(33) France

(51) C09D 5/03
(11) EP1973977
(21) EP07852345.3
(47) 07.08.2019
(87) US2007000637
20.03.2008
(22) 10.01.2007
(54) AQUEOUS DISPERSIONS OF POLYMER-ENCLOSED PARTICLES, RELATED COATING COMPOSITIONS AND COATED SUBSTRATES
(73) PPG Industries Ohio, Inc.
(72) FERENCZ, Joseph, M.
POLK, W., David
FALER, Dennis, L.
(31) 337062
(32) 20.01.2006
(33) United States of America

(51) C09D 5/08
C09D 5/18
C09D 1/00
C09D 135/02
C08K 3/36
C09D 133/06
C09D 7/43
C09D 133/08
C08L 33/08
C09D 7/61
C08K 3/22
(11) EP3235882
(21) EP14908507.8
(47) 07.08.2019
(87) MX2014000209
23.06.2016
(22) 16.12.2014
(54) INSULATING, CORROSION-INHIBITING, SELF-EXTINGUISHING, IMPERMEABLE, EPOXY AND ECOLOGICAL COATING
(73) G-Cover De México, S.A. De C.V.
(72) FIGUEROA MARTÍNEZ, Moises

(51) C09D 5/08
C23F 11/10
C23F 11/18
C23C 18/12
(11) EP2443204
(21) EP10725149.8
(47) 07.08.2019
(87) EP2010058239
23.12.2010
(22) 11.06.2010
(54) COATING COMPOSITIONS INCLUDING CERAMIC PARTICLES
(73) AIRBUS (SAS)
Ceramisphere PTY Limited
(72) KONG, Linggen
FINNIE, Kim Suzanne
BARBE, Christophe
CAMPAZZI, Elisa
CALDEIRA, Nancy Manuela
VILLATTE, Martine
(31) 0953971
(32) 15.06.2009
(33) France

(51) C09D 5/14
A01N 25/28
C04B 20/10
C09D 5/16
C04B 111/00
C04B 111/20
(11) EP1698672
(21) EP06012608.3
(47) 07.08.2019
(22) 19.06.2002
(54) BIOCIDE MICROCAPSULES
(73) THOR GmbH
(72) Baum, Rüdiger
Zimmermann, Dagmar, Antoni
Wunder, Thomas
Schmidt, Hans-Jürgen

(51) C09D 5/14
C09D 7/61
C09D 7/40
C09D 5/16
C08K 3/22
(11) EP3392316
(21) EP18176146.1
(47) 07.08.2019
(22) 04.11.2014
(54) NONPOISONOUS PAINT COMPOSITION CONTAINING ORGANIC AND INORGANIC OXIDATION NANOSTRUCTURES AND METHOD FOR PREPARING SAME
(73) Jeju National University Industry-Academic Cooperation Foundation
(72) KIM, Sang-Jae
KARTHIKEYAN, K
(31) 20130133070
(32) 04.11.2013
(33) Korea (Republic)

(51) C09D 7/47
B01D 19/04
C09D 7/65
(11) EP2279228
(21) EP09745676.8
(47) 07.08.2019
(87) EP2009055463
19.11.2009
(22) 06.05.2009
(54) USE OF A SILICONE FREE DEFOAMER FOR SOLVENT BASED COATINGS
(73) BASF SE
(72) HU, Weiqiu
PIRRUNG, Frank, Oliver, Heinrich
HARBERS, Petrus, Johannes
ZHU, Chuanjin
ZHU, Min
(31) 08156213
(32) 15.05.2008
(33) European Patent Office (EPO)

(51) C09D 11/00
(11) EP2358830
(21) EP08879027.4
(47) 07.08.2019
(87) US2008087381
24.06.2010
(22) 18.12.2008
(54) PIGMENTED INK-JET INKS WITH GLOSS-ENHANCING POLYMERS
(73) Hewlett-Packard Development Company, L.P.
(72) VASUDEVAN, Sundar

(51) C09D 11/00
(11) EP2847286
(21) EP13722712.0
(47) 07.08.2019
(87) EP2013058613
14.11.2013
(22) 25.04.2013
(54) INK COMPOSITION, A METHOD FOR PREPARING THE INK COMPOSITION AND USE THEREOF, A WATER SOLUBLE RESIN AND USE THEREOF IN AN INK COMPOSITION
(73) OCE-Technologies B.V.
(72) MARKIES, Peter, R.
MOONEN, Jozef, P.
SUILEN, Frederik L., E., M.
GROOTHUIJSE, Ronald
VAN HAMEREN, Richard
COLIN, Peter, O.
LEENEN, Mark A., M.
(31) 12167335
(32) 09.05.2012
(33) European Patent Office (EPO)

(51) C09D 11/00
B41J 2/01
B41M 5/00
C09D 11/30
C09D 11/36
C09D 11/38
C09D 11/101
B41J 2/165
B41J 11/00
(11) EP3045507
(21) EP14841948.4
(47) 07.08.2019
(87) JP2014004632
12.03.2015
(22) 09.09.2014
(54) ACTIVE-LIGHT-CURING INKJET INK AND IMAGE FORMATION METHOD
(73) Konica Minolta, Inc.
(72) TAKABAYASHI, Toshiyuki
IKEDA, Masashi
(31) 2013186249
(32) 09.09.2013
(33) Japan

(51) C09D 11/00
B41M 5/00
G02B 5/20
G02F 1/1335
G02F 1/167
(11) EP2840120
(21) EP13830651.9
(47) 07.08.2019
(87) JP2013004935
27.02.2014
(22) 21.08.2013
(54) INK FOR INKJET AND COLOR FILTER AND MANUFACTURING METHOD THEREFOR, AND COLOR REFLECTIVE DISPLAY AND MANUFACTURING METHOD THEREFOR
(73) Toppan Printing Co., Ltd.
(72) KOBASHI, Yasuhiro
(31) 2012183347
(32) 22.08.2012
(33) Japan

(51) C09D 11/03
C09D 11/02
B41M 3/14
C07D 233/84
C07D 233/88
C07D 239/22
(11) EP2643416
(21) EP11785701.1
(47) 07.08.2019
(87) EP2011070769
31.05.2012
(22) 23.11.2011
(54) THE USE OF ARYL OR HETEROARYL SUBSTITUTED DITHIOLENE METAL COMPLEXES AS IR ABSORBERS
(73) BASF SE
(72) REICHELT, Helmut
GEßNER, Thomas
HEIZLER, Daniel
LEHMANN, Urs
(31) 10192338
416750 P
(32) 24.11.2010
24.11.2010
(33) European Patent Office (EPO)
United States of America

(51) C09D 11/322
B41J 2/01
B41M 5/00
C09D 11/10
C09D 11/107
C09D 11/326
(11) EP3006519
(21) EP14807397.6
(47) 07.08.2019
(87) JP2014064879
11.12.2014
(22) 04.06.2014
(54) WATER-BASED INK FOR INKJET RECORDING
(73) Kao Corporation
(72) EGUCHI, Tetsuya
MIZUSHIMA, Ryuma
(31) 2013119561
(32) 06.06.2013
(33) Japan

(51) C09D 11/38
B41J 2/01
B41M 5/00
(11) EP3239255
(21) EP15872863.4
(47) 07.08.2019
(87) JP2015085262
30.06.2016
(22) 16.12.2015
(54) WATER-BASED INK
(73) Kao Corporation
(72) MITSUYOSHI, Kaname
TAKENO, Hirotaka
SUZUKI, Takayuki
YOSHIKAWA, Takahiro
(31) 2014266627
(32) 26.12.2014
(33) Japan

(51) C09D 11/52
H01M 4/02
C09D 11/037
C08K 3/04
C08L 101/00
H01M 4/587
H01M 10/052
C04B 28/14
C04B 35/63
C09C 1/46
C09C 3/04
C09D 5/24
C09D 11/03
C10M 125/02
H01M 4/36
H01M 10/0525
C01B 32/20
C01B 32/225
C01B 32/19
C09D 7/61
(11) EP3002322
(21) EP15186991.4
(47) 07.08.2019
(22) 27.02.2015
(54) GRAPHENE COMPOSITE AND METHOD OF PRODUCING THE SAME
(73) Graphene Platform Corporation
(72) Hasegawa, Shoji
Kamiya, Nagisa
(31) PCT/JP2014/073838
(32) 09.09.2014
(33) World Intellectual Property Office (WIPO)

(51) C09D 101/14
C08B 3/16
C08B 3/18
(11) EP2328983
(21) EP09789309.3
(47) 07.08.2019
(87) US2009005144
18.03.2010
(22) 15.09.2009
(54) BASECOAT COMPOSITIONS COMPRISING LOW MOLECULAR WEIGHT CELLULOSE MIXED ESTERS
(73) Eastman Chemical Company
(72) BHATTACHARYA, Deepanjan
FOULK, Roy Glenn
WILLIAMS, Hampton Loyd Chip, III
SHELTON, Michael, Charles
POSEY-DOWTY, Jessica Dee
PERDOMO, Luis, Guillermo, Rios
DIXON, Daniel, Wayne, Jr.
LUCAS, Paul, Lee
WILSON, Alan, Kent
WALKER, Kenneth, Raymond
LAWNICZAK, Jonathan, Edward
PHAN, Hieu, Duy
FREEMAN, Charlie, Carroll
(31) 510324
559744
97020 P
(32) 28.07.2009
15.09.2009
15.09.2008
(33) United States of America
United States of America
United States of America

(51) C09D 133/00
C09D 5/02
C08F 265/06
C09D 133/12
C08K 5/06
C09D 151/00

C09D 7/62
C09D 7/63
(11) EP3234046
(21) EP14908235.6
(47) 07.08.2019
(87) CN2014094343
23.06.2016
(22) 19.12.2014
(54) AQUEOUS COATING COMPOSITION AND PROCESS OF MAKING THE SAME
(73) Dow Global Technologies LLC
(72) WU, Yan
XU, Yawei
YANG, Xiaohong

(51) C09D 151/00
(11) EP3246370
(21) EP17170341.6
(47) 07.08.2019
(22) 10.05.2017
(54) HEAT-SEALABLE BINDER
(73) Evonik Röhm GmbH
(72) Hennig, André
Keller, Bruno
Hartmann, Jürgen
Arnold, Thomas
Waldhaus, Michael
März, Monika
(31) 16169889
(32) 17.05.2016
(33) European Patent Office (EPO)

(51) C09D 167/00
C09D 5/44
C09D 163/00
C08G 18/58
C08G 18/80
C08G 18/40
C08G 18/42
C25D 13/06
C08G 59/40
C09D 5/08
C09D 7/40
(11) EP3061796
(21) EP14855609.5
(47) 07.08.2019
(87) JP2014065451
30.04.2015
(22) 11.06.2014
(54) CATIONIC ELECTRODEPOSITION COATING COMPOSITION
(73) Kansai Paint Co., Ltd
(72) IIJIMA, Hideki
ITO, Kei
(31) 2013222386
(32) 25.10.2013
(33) Japan

(51) C09D 183/04
C08G 18/61
(11) EP2134798
(21) EP08707174.2
(47) 07.08.2019
(87) EP2008000441
18.09.2008
(22) 22.01.2008
(54) COATING AGENT CONTAINING ADDITION COMPOUNDS WITH SILANE FUNCTIONALITY AND HIGHLY SCRATCH-RESISTANT COATINGS WITH IMPROVED CRACK RESISTANCE
(73) BASF Coatings GmbH
(72) POPPE, Andreas
WEGNER, Egon
KLEIN, Günter
(31) 102007013262
(32) 15.03.2007
(33) Germany

(51) C09D 201/00
B05D 7/14
B05D 7/24
C09D 133/04
C09D 133/26
H01M 4/13
H01M 4/66
C08F 20/56
C08F 20/58
B05D 1/18
B05D 5/08
H01M 4/62
C23F 15/00
C08F 220/18
H01M 10/0525
C08F 20/18
(11) EP3127970
(21) EP15772382.6
(47) 07.08.2019
(87) JP2015060000
08.10.2015
(22) 30.03.2015
(54) NANO-COATING MATERIAL, METHOD FOR MANUFACTURING SAME, COATING AGENT, FUNCTIONAL MATERIAL, AND METHOD FOR MANUFACTURING SAME
(73) National Institute for Materials Science
(72) NAITO Masanobu
PAYRA Debabrata
HIROMOTO Sachiko
SINGH Alok
(31) 2014072029
2014125143
(32) 31.03.2014
18.06.2014
(33) Japan
Japan

(51) C09J 4/06
(11) EP3294823
(21) EP16713491.5
(47) 07.08.2019
(87) EP2016057374
24.11.2016
(22) 04.04.2016
(54) ANAEROBICALLY CURABLE COMPOSITIONS
(73) Henkel IP & Holding GmbH
(72) BIRKETT, David
MULLEN, David
(31) 201508409
(32) 15.05.2015
(33) United Kingdom

(51) C09J 7/00
(11) EP3294825
(21) EP16725693.2
(47) 07.08.2019
(87) US2016032191
17.11.2016
(22) 12.05.2016
(54) THIN FILM ADHESIVE LABELS AND METHODS OF MAKING THEREOF
(73) ACTEGA North America Technologies, Inc.
(72) LUX, Benjamin, D.
VOICECHOVSKI, Nikolai, A.
HELLESTED, Derek, J.
(31) 201562160190 P
(32) 12.05.2015
(33) United States of America

(51) C09J 11/00
C09J 183/02
C09J 5/00
(11) EP2948513
(21) EP14743975.6
(47) 07.08.2019
(87) US2014010059
31.07.2014
(22) 02.01.2014
(54) REACTIVE HOT MELT ADHESIVE
(73) Henkel IP & Holding GmbH
(72) SUEN, Wu
(31) 201361756231 P
(32) 24.01.2013
(33) United States of America

(51) C09J 133/08
C09J 133/12
C09J 4/06
C09J 11/04
C09J 11/06
C09J 11/08
(11) EP3412743
(21) EP17897516.5
(47) 07.08.2019
(87) KR2017015259
30.08.2018
(22) 21.12.2017
(54) ADHESIVE COMPOSITION
(73) LG Chem, Ltd.
(72) OH, Wan Kyu
PARK, Seung Young
CHOI, Gyeong Shin
(31) 20170023724
(32) 22.02.2017
(33) Korea (Republic)

(51) C09J 161/20
C09J 161/24
C09J 161/28
(11) EP2193177
(21) EP08767257.2
(47) 07.08.2019
(87) SE2008050791
08.01.2009
(22) 27.06.2008
(54) HARDENER COMPOSITION, ADHESIVE SYSTEM AND METHOD OF GLUING
(73) Akzo Nobel Coatings International BV
(72) EKBLOM, Hans
FÄLDT, Sara
LINDH, Ingvar
NASLI-BAKIR, Benyahia
(31) 07111807
958339 P
(32) 05.07.2007
05.07.2007
(33) European Patent Office (EPO)
United States of America

(51) C09K 3/10
C08G 75/14

C08L 81/04
(11) EP3263669
(21) EP17178227.9
(47) 07.08.2019
(22) 27.06.2017
(54) CHEMICALLY FOAMED POLYSULFIDE SEALANT FOR AEROSPACE FUEL TANK USE
(73) The Boeing Company
(72) STEVENS, Barton E.
BOOTH, Brandon D.
ZWEIG, Andrew M.
(31) 201615195141
(32) 28.06.2016
(33) United States of America

(51) C09K 3/14
B24D 3/34
B24D 18/00
(11) EP3013919
(21) EP14730141.0
(47) 07.08.2019
(87) EP2014062152
31.12.2014
(22) 11.06.2014
(54) GRINDING ELEMENT
(73) Robert Bosch GmbH
(72) WIRZ, Viktor
(31) 102013212687
(32) 28.06.2013
(33) Germany

(51) C09K 3/14
C04B 35/624
C04B 35/111
(11) EP2857476
(21) EP12877507.9
(47) 07.08.2019
(87) KR2012010219
28.11.2013
(22) 29.11.2012
(54) METHOD FOR MANUFACTURING ALUMINA-BASED ABRASIVE GRAINS FOR ABRASIVE MATERIAL
(73) Daehan Ceramics Co., Ltd.
(72) LEE, Jong Keun
(31) 20120055174
(32) 24.05.2012
(33) Korea (Republic)

(51) C09K 5/04
A61F 7/00
(11) EP2336264
(21) EP10014887.3
(47) 07.08.2019
(22) 26.06.2006
(54) Compositions containing fluorine substituted olefins
(73) Honeywell International Inc.
(72) Singh, Rajiv R.
Pham, Hang T.
(31) 693853 P
(32) 24.06.2005
(33) United States of America

(51) C09K 5/14
C22C 9/00
B22F 1/00
(11) EP2694613
(21) EP12767418.2
(47) 07.08.2019
(87) US2012027648
11.10.2012
(22) 04.03.2012
(54) ARTICLES CONTAINING COPPER NANOPARTICLES AND METHODS FOR PRODUCTION AND USE THEREOF
(73) Lockheed Martin Corporation
(72) BEDWORTH, Peter V.
ZINN, Alfred A.
(31) 201113079757
(32) 04.04.2011
(33) United States of America

(51) C09K 8/528
C09K 8/86
C09K 8/72
C09K 8/74
(11) EP2652077
(21) EP11802342.3
(47) 07.08.2019
(87) EP2011072697
21.06.2012
(22) 14.12.2011
(54) TREATMENT OF ILLITIC FORMATIONS USING A CHELATING AGENT
(73) Akzo Nobel Chemicals International B.V.
(72) DE WOLF, Cornelia Adriana
NASR-EL-DIN MAHMOUD, Mohamed Ahmed
NASR-EL-DIN, Hisham
(31) 201061424329 P
201061424182 P
201061424271 P
11151729
11151725
11151728
201161496111 P
201161496145 P
(32) 17.12.2010
17.12.2010
17.12.2010
21.01.2011
21.01.2011
21.01.2011
13.06.2011
13.06.2011
(33) United States of America
United States of America
United States of America
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
United States of America
United States of America

(51) C09K 8/532
C09K 8/54
C09K 8/06
C09K 8/08
C09K 8/34
C09K 8/36
(11) EP2855622
(21) EP13721139.7
(47) 07.08.2019
(87) US2013032732
05.12.2013
(22) 17.03.2013
(54) COMPOSITIONS AND METHOD FOR TREATING OUT HYDROGEN SULFIDE AND PREVENTING SETTLING OF PRECIPITATE IN AN ENVIRONMENTALLY RESPONSIBLE DRILLING AND PACKER FLUID
(73) Halliburton Energy Services Inc.
(72) HALL, John, Adrian
TEKE, Kushabhau, D.
NIKAM, Pramod, Dadasaheb
(31) 201213483050
(32) 30.05.2012
(33) United States of America

(51) C09K 8/584
(11) EP3106503
(21) EP16174941.1
(47) 07.08.2019
(22) 17.06.2016
(54) ALKYL POLYGLUCOSIDE DESORBING AGENTS FOR ASSISTED OIL RECOVERY
(73) Rhodia Operations
IFP Energies nouvelles
(72) MORVAN, Mikel
MOREAU, Patrick
TABARY, René
BAZIN, Brigitte
(31) 1501274
(32) 18.06.2015
(33) France

(51) C09K 11/06
H05B 33/14
C07F 15/00
H01L 51/00
H01L 51/50
(11) EP3269791
(21) EP17185754.3
(47) 07.08.2019
(22) 28.04.2010
(54) IRIDIUM COMPLEX WITH METHYL-D3 SUBSTITUTION
(73) Universal Display Corporation
(72) XIA, Chuanjun
FIORDELISO, James
KWONG, Raymond C.
ALLEYNE, Bert
(31) 173346 P
768068
(32) 28.04.2009
27.04.2010
(33) United States of America
United States of America

(51) C09K 11/61
H01L 33/50
(11) EP3095832
(21) EP16173586.5
(47) 07.08.2019
(22) 19.01.2012
(54) COLOR STABLE MANGANESE-DOPED PHOSPHORS
(73) General Electric Company
(72) SETLUR, Anant Achyut
LYONS, Robert Joseph
DESHPANDE, Anirudha Rajendra
GRIGOROV, Ljudmil Slavchev
(31) 201113069756
(32) 23.03.2011
(33) United States of America

(51) C09K 19/06
G02F 1/1343
C09K 19/30
C09K 19/34

C09K 19/12
C09K 19/04
(11) EP3048159
(21) EP15003701.8
(47) 07.08.2019
(22) 23.12.2015
(54) LIQUID CRYSTAL MEDIUM
(73) Merck Patent GmbH
(72) Ji-Won, Jeong
Hyun-Jin, Yoon
Eun-Kyu, Lee
Min-Ok, Jin
Yong-Kuk, Yun
(31) 15000176
(32) 22.01.2015
(33) European Patent Office (EPO)

(51) C09K 19/30
C09K 19/06
C09K 19/04
C09K 19/12
C08F 2/48
G02F 1/1333
G02F 1/137
(11) EP3368637
(21) EP16781676.8
(47) 07.08.2019
(87) EP2016001669
04.05.2017
(22) 07.10.2016
(54) LIQUID-CRYSTAL MEDIUM
(73) Merck Patent GmbH
(72) BREMER, Mathias
SUESS, Patrick
GREINERT, Nils
KLASEN-MEMMER, Melanie
SCHOENEFELD, Christian
(31) 15003123
(32) 30.10.2015
(33) European Patent Office (EPO)

(51) C09K 19/30
C09K 19/12
C09K 19/20
C09K 19/34
C09K 19/42
G02F 1/13
G02F 1/1337
G02F 1/139
C09K 19/04
C09K 19/02
C09K 19/56
C08G 73/10
C08G 73/14
G02F 1/1343
(11) EP3133136
(21) EP15780220.8
(47) 07.08.2019
(87) JP2015058870
22.10.2015
(22) 24.03.2015
(54) LIQUID CRYSTAL DISPLAY DEVICE
(73) JNC Corporation
JNC Petrochemical Corporation
(72) FURUSATO Yoshimasa
SAITO Masayuki
(31) 2014083295
(32) 15.04.2014
(33) Japan

(51) C09K 19/42
C08F 20/26
C09K 19/12
C09K 19/14
C09K 19/16
C09K 19/20
C09K 19/30
C09K 19/38
C09K 19/54
G02F 1/13
G02F 1/1333
C09K 19/04
(11) EP3144367
(21) EP15793192.4
(47) 07.08.2019
(87) JP2015061081
19.11.2015
(22) 09.04.2015
(54) NEMATIC LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY DEVICE USING SAME
(73) DIC Corporation
(72) SUDO Go
GOTO Marina
(31) 2014099492
(32) 13.05.2014
(33) Japan

(51) C10B 39/14
(11) EP2938704
(21) EP12890832.4
(47) 07.08.2019
(87) US2012072166
03.07.2014
(22) 28.12.2012
(54) QUENCH CAR SYSTEM FOR IMPROVING QUENCHED COKE RECOVERY
(73) Suncoke Technology and Development LLC
(72) QUANCI, John Francis
GILL, Matt William
RODGERS, Bradley Thomas
VICHITVONGSA, Khambath
CHOI, Chun Wai

(51) C10G 1/00
C10L 1/04
C13K 1/02
C10G 1/08
D21C 1/04
D21C 1/06
D21C 11/00
C08L 97/00
(11) EP2291488
(21) EP09769312.1
(47) 07.08.2019
(87) EP2009057955
30.12.2009
(22) 25.06.2009
(54) BIOMASS PRETREATMENT PROCESS
(73) KiOR, Inc.
(72) BRADY, Michael
O'CONNOR, Paul
STAMIRES, Dennis
(31) 75563
(32) 25.06.2008
(33) United States of America

(51) C10G 3/00
C07C 11/02
C10G 9/36
C10G 49/04
C10G 49/08
C10G 69/06
C07C 1/24
C07C 4/04
(11) EP2836572
(21) EP13775002.2
(47) 07.08.2019
(87) FI2013050406
17.10.2013
(22) 12.04.2013
(54) METHODS OF DEOXYGENATION OF TALL OIL AND PRODUCTION OF POLYMERIZABLE MONOMERS THEREFROM
(73) Stora Enso Oyj
(72) HARLIN, Ali
AALTONEN, Olli
LAITINEN, Antero
RÄSÄNEN, Jari
KYLLIÄINEN, Outi
(31) 20125407
(32) 13.04.2012
(33) Finland

(51) C10G 11/18
B01J 4/00
(11) EP3368202
(21) EP16745189.7
(47) 07.08.2019
(87) IN2016050171
04.05.2017
(22) 07.06.2016
(54) ATOMIZATION OF HYDROCARBON FEEDSTOCK
(73) Hindustan Petroleum Corporation Limited
(72) KUMAR, Pramod
K, Madan Kumar
PEDDY, Venkata Chalapathi Rao
NETTEM, Venkateswarlu Choudary
(31) 4130MU2015
(32) 30.10.2015
(33) India

(51) C10G 65/04
C10G 55/08
C10G 67/04
C10G 69/04
C10M 101/02
(11) EP2566938
(21) EP10851096.7
(47) 07.08.2019
(87) KR2010007657
10.11.2011
(22) 02.11.2010
(54) METHOD OF SIMULTANEOUSLY MANUFACTURING HIGH QUALITY NAPHTHENIC BASE OIL AND HEAVY BASE OIL
(73) SK Innovation Co., Ltd.
(72) NOH, Kyung Seok
RYU, Jae Wook
KIM, Do Hyoun
KIM, Gyung Rok
LEE, Seung Woo
KIM, Do Woan
CHOI, Sun
OH, Seung Hoon
YOON, Byung Won
CHUN, Bum Suk
(31) 20100043152

(32) 07.05.2010
(33) Korea (Republic)

(51) C10J 3/48
C10J 3/74
C10J 3/08
C10J 3/46
C10J 3/72
C10J 3/84
(11) EP2451905
(21) EP10728717.9
(47) 07.08.2019
(87) EP2010059779
13.01.2011
(22) 08.07.2010
(54) PROCESS FOR THE HEAT TREATMENT OF MATERIAL IN A REACTOR HAVING A WALL ACTING AS SELF-CRUCIBLE
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) SEILER, Jean-Marie
(31) 0903425
(32) 10.07.2009
(33) France

(51) C10J 3/66
C07C 29/151
C10G 2/00
F01K 23/06
F02C 3/28
F23J 15/06
(11) EP2501786
(21) EP10777041.4
(47) 07.08.2019
(87) EP2010067847
26.05.2011
(22) 19.11.2010
(54) THERMAL-CHEMICAL UTILIZATION OF CARBON-CONTAINING MATERIALS, IN PARTICULAR FOR THE EMISSION-FREE GENERATION OF ENERGY
(73) RV Lizenz AG
(72) RÜDLINGER, Mikael
(31) 09176684
10151481
10151473
10154449
(32) 20.11.2009
22.01.2010
22.01.2010
23.02.2010
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) C10L 1/10
C10L 1/188
C10L 1/224
C10L 10/04
C10L 10/08
(11) EP3149119
(21) EP15745264.0
(47) 07.08.2019
(87) US2015032639
03.12.2015
(22) 27.05.2015
(54) CONCENTRATED MULTI-FUNCTIONAL FUEL ADDITIVE PACKAGES
(73) The Lubrizol Corporation
(72) FABRE, Clara
(31) 201462005022 P
(32) 30.05.2014
(33) United States of America

(51) C10L 1/19
(11) EP2304001
(21) EP09772461.1
(47) 07.08.2019
(87) EP2009058228
07.01.2010
(22) 30.06.2009
(54) LIQUID FUEL COMPOSITIONS
(73) Shell Internationale Research Maatschappij B.V.
(72) CLARKE, Lionel
FELIX-MOORE, Alison
LOUIS, Jurgen Johannes Jacobus
SMITH, Johanne
LANGE, Jean-Paul
(31) 08159556
(32) 02.07.2008
(33) European Patent Office (EPO)

(51) C10M 105/08
C10M 105/18
C10M 105/32
(11) EP3013925
(21) EP14735901.2
(47) 07.08.2019
(87) EP2014063760
31.12.2014
(22) 27.06.2014
(54) LUBRICATING COMPOSITIONS CONTAINING ISOPRENE BASED COMPONENTS
(73) Castrol Limited
(72) CARRERA, Martin E.
DAVIES, John Philip
GAEMERS, Sander
SHABAKER, John William
WILLIAMS, Oliver
(31) 13174256
(32) 28.06.2013
(33) European Patent Office (EPO)

(51) C10M 111/02
C10M 105/38
C10M 105/42
C10N 20/02
C10N 30/00
C10N 30/06
C10N 30/08
C10N 40/30
(11) EP2930228
(21) EP13860534.0
(47) 07.08.2019
(87) JP2013082042
12.06.2014
(22) 28.11.2013
(54) COOLING-EQUIPMENT WORKING-FLUID COMPOSITION
(73) JX Nippon Oil & Energy Corporation
(72) SAITO Masanori
OKIDO Takeshi
KONNO Souichirou
ADEGAWA Kuniko
(31) 2012266675
(32) 05.12.2012
(33) Japan

(51) C10M 129/76
(11) EP2721128
(21) EP12728925.4
(47) 07.08.2019
(87) US2012042192
20.12.2012
(22) 13.06.2012
(54) LUBRICATING COMPOSITION CONTAINING AN ESTER OF AN AROMATIC CARBOXYLIC ACID
(73) The Lubrizol Corporation
(72) CAPITOSTI, Scott
CRAWLEY, Seth, L.
DELBRIDGE, Ewan, E.
MOSIER, Patrick, E.
(31) 201161497144 P
(32) 15.06.2011
(33) United States of America

(51) C10M 133/06
C10M 135/10
C10M 137/12
C10M 159/22
C10M 159/24
C10M 159/12
C10N 30/04
C10N 40/25
(11) EP2403930
(21) EP10706126.9
(47) 07.08.2019
(87) US2010025714
10.09.2010
(22) 01.03.2010
(54) ASHLESS OR REDUCED ASH QUATERNARY DETERGENTS
(73) The Lubrizol Corporation
(72) DELBRIDGE, Ewan E.
CARRICK, Virginia A.
PUDELSKI, John K.
GIESELMAN, Matthew D.
FRIEND, Christopher L.
MOSIER, Patrick E.
ROGERS, Michelle M.
TIERNEY, Mark L.
(31) 156981 P
(32) 03.03.2009
(33) United States of America

(51) C10M 133/52
C10M 133/56
C10N 40/25
C10N 30/04
C10N 60/00
(11) EP2366004
(21) EP09756932.1
(47) 07.08.2019
(87) US2009065452
03.06.2010
(22) 23.11.2009
(54) LUBRICATING COMPOSITION CONTAINING A POLYMER FUNCTIONALISED WITH A CARBOXYLIC ACID AND AN AROMATIC POLYAMINE
(73) The Lubrizol Corporation
(72) GIESELMAN, Matthew D.
PRESTON, Adam J.
(31) 118012 P
(32) 26.11.2008
(33) United States of America

(51) C10M 141/06

C10N 30/06
C10N 40/25
(11) EP2513272
(21) EP10795162.6
(47) 07.08.2019
(87) US2010059809
23.06.2011
(22) 10.12.2010
(54) LUBRICATING COMPOSITION CONTAINING AN ANTIWEAR AGENT
(73) The Lubrizol Corporation
(72) KOCSIS, Jody A.
CRAWLEY, Seth L.
(31) 286109 P
(32) 14.12.2009
(33) United States of America

(51) C10M 163/00
C10M 133/06
C10N 10/02
C10N 10/04
C10N 30/02
C10N 30/04
C10N 30/08
C10N 30/10
C10N 30/12
C10N 40/25
(11) EP2994521
(21) EP14722191.5
(47) 07.08.2019
(87) EP2014059232
13.11.2014
(22) 06.05.2014
(54) LUBRICANT FOR A MARINE ENGINE
(73) Total Marketing Services
(72) LANCON, Denis
DOYEN, Valérie
(31) 1354182
(32) 07.05.2013
(33) France

(51) C10M 169/02
C10M 101/02
C10M 107/02
C10M 117/04
C10M 135/18
C10M 137/10
C10M 177/00
F16C 29/06
F16C 33/66
C10N 10/02
C10N 10/04
C10N 10/12
C10N 20/02
C10N 30/00
C10N 30/06
C10N 40/02
C10N 50/10
C10N 70/00
(11) EP2698420
(21) EP12771351.9
(47) 07.08.2019
(87) JP2012059921
18.10.2012
(22) 11.04.2012
(54) GREASE COMPOSITION AND MOTION GUIDING DEVICE LUBRICATED THEREBY
(73) THK Co., Ltd.
Idemitsu Kosan Co., Ltd.
(72) NOGAMI Akira
HAYAMI Terumoto
SAMPEI Hiroshi
FUJINAMI Yukitoshi
TAKANE Kouji
(31) 2011090596
(32) 15.04.2011
(33) Japan

(51) C10M 169/02
C10N 30/18
C10N 50/10
(11) EP2681297
(21) EP12710462.8
(47) 07.08.2019
(87) EP2012053655
07.09.2012
(22) 02.03.2012
(54) Method of Defoaming a lubricating oil with a defoaming agent
(73) Shell Internationale Research Maatschappij B.V.
(72) KAMATA, Kumiko
TAZAKI, Hiroyuki
(31) 2011045148
(32) 02.03.2011
(33) Japan

(51) C10M 169/04
C10M 101/02
C10M 133/54
C10M 133/56
C10M 137/10
C10M 159/22
C10N 10/04
C10N 20/00
C10N 20/02
C10N 30/04
C10N 30/08
C10N 40/25
(11) EP2944682
(21) EP13868257.0
(47) 07.08.2019
(87) JP2013007413
03.07.2014
(22) 17.12.2013
(54) SYSTEM LUBRICANT COMPOSITION FOR CROSSHEAD DIESEL ENGINES
(73) JX Nippon Oil & Energy Corporation
(72) TAKESHIMA, Shigeki
(31) 2012286117
2012286120
(32) 27.12.2012
27.12.2012
(33) Japan
Japan

(51) C10M 169/04
C10M 105/18
C10M 107/34
C10M 133/12
C10M 137/02
C07C 43/10
C07C 43/11
C10N 30/10
C10N 40/30
C10N 50/10
F16C 33/10
F16C 33/66
(11) EP3257922
(21) EP15882022.5
(47) 07.08.2019
(87) JP2015079666
18.08.2016
(22) 21.10.2015
(54) LUBRICANT COMPOSITION, USE THEREOF AND ALIPHATIC ETHER COMPOUND
(73) Moresco Corporation
(72) MARUYAMA, Shingo
(31) 2015023672
(32) 09.02.2015
(33) Japan

(51) C10M 169/04
C10M 107/10
C10M 145/14
C10M 149/00
C10N 20/02
C10N 20/04
C10N 30/02
C10N 30/04
C10N 30/06
C10N 30/08
C10N 30/10
C10N 40/04
(11) EP2912151
(21) EP13773574.2
(47) 07.08.2019
(87) US2013062147
01.05.2014
(22) 27.09.2013
(54) USE OF VISCOSITY MODIFIER IN HIGH VISCOSITY INDEX LUBRICATING OIL BASE STOCK COMBINATIONS
(73) ExxonMobil Research and Engineering Company
(72) GIVENS, Willie, A.
KANGA, Percy, Rohinton
ROBILLARD, Jared, Michael
(31) 201261717947 P
(32) 24.10.2012
(33) United States of America

(51) C10M 169/04
C10N 10/04
C10N 20/02
C10N 20/04
C10N 30/12
(11) EP3119861
(21) EP14886221.2
(47) 07.08.2019
(87) CN2014073624
24.09.2015
(22) 18.03.2014
(54) CORROSION RESISTANT LUBRICANT
(73) Dow Global Technologies LLC
(72) GREAVES, Martin R.
MA, Jiangbo

(51) C10M 175/00
(11) EP2883947
(21) EP13196489.2
(47) 07.08.2019
(22) 10.12.2013
(54) Continuous purification of motor oils using a three-phase separator
(73) Alfa Laval Corporate AB
(72) WASE, Claes
ENGLUND, Mats

(51) C11B 1/02
C11B 13/00

C11B 1/06
(11) EP2646164
(21) EP11844286.2
(47) 07.08.2019
(87) US2011063228
07.06.2012
(22) 05.12.2011
(54) A SYSTEM AND METHOD FOR SEPARATING HIGH VALUE BY-PRODUCTS FROM GRAINS USED FOR ALCOHOL PRODUCTION
(73) Lee, Chie Ying
(72) Lee, Chie Ying
(31) 419426 P
(32) 03.12.2010
(33) United States of America

(51) C11B 3/04
C11B 13/00
C11B 13/02
(11) EP3152285
(21) EP15803495.9
(47) 07.08.2019
(87) IB2015054170
10.12.2015
(22) 02.06.2015
(54) METHOD FOR RECOVERING CRUDE TALL OIL
(73) Stora Enso Oyj
(72) FINER, Tiia
TIMONEN, Olli
(31) 1450683
(32) 05.06.2014
(33) Sweden

(51) C11D 1/37
C11D 1/83
C11D 3/20
(11) EP3310889
(21) EP16725870.6
(47) 07.08.2019
(87) EP2016062225
22.12.2016
(22) 31.05.2016
(54) LAUNDRY PRETREATMENT COMPOSITION
(73) Unilever NV
(72) ACHARYA, Koushik
BANGAL, Amalendu
KOTTUKAPALLY, Jiji, Paul
SUBRAMANIAM, Narayanan
(31) 15001814
(32) 19.06.2015
(33) European Patent Office (EPO)

(51) C11D 3/00
C11D 3/37
C11D 3/08
C11D 3/10
B01D 19/04
C11D 3/12
C11D 7/10
C11D 7/12
C11D 7/14
C11D 3/04
(11) EP2861319
(21) EP13728394.1
(47) 07.08.2019
(87) EP2013062252
27.12.2013
(22) 13.06.2013
(54) ANTIFOAMING AGENTS AND USE THEREOF IN DETERGENTS
(73) Wacker Chemie AG
(72) MERGET, Markus
BECKER, Richard
(31) 102012210211
(32) 18.06.2012
(33) Germany

(51) C11D 3/20
C11D 1/722
C11D 1/66
C11D 11/00
C11D 3/34
H01L 21/02
(11) EP2812422
(21) EP13746032.5
(47) 07.08.2019
(87) IB2013050625
15.08.2013
(22) 24.01.2013
(54) A POST CHEMICAL-MECHANICAL-POLISHING (POST-CMP) CLEANING COMPOSITION COMPRISING A SPECIFIC SULFUR-CONTAINING COMPOUND AND A SUGAR ALCOHOL
(73) BASF SE
(72) LI, Yuzhuo
VENKATARAMAN, Shyam Sundar
ZHONG, Mingjie
(31) 201261595180 P
(32) 06.02.2012
(33) United States of America

(51) C11D 3/20
C11D 3/42
C11D 3/50
C11D 1/37
C11D 1/83
C11D 3/40
(11) EP3417042
(21) EP16805031.8
(47) 07.08.2019
(87) EP2016078457
24.08.2017
(22) 22.11.2016
(54) WHITENING COMPOSITION
(73) Unilever N.V.
(72) BATCHELOR, Stephen, Norman
BIRD, Jayne, Michelle
COHRS, Carsten
DIEDERICHS, Jan
LEINWEBER, Dirk
MUTCH, Kevin, James
ROMANSKI, Steffen
(31) 16156029
(32) 17.02.2016
(33) European Patent Office (EPO)

(51) C11D 3/22
C11D 3/33
C11D 3/386
C11D 7/26
C11D 7/32
C11D 17/00
(11) EP3194552
(21) EP15767448.2
(47) 07.08.2019
(87) EP2015070785
24.03.2016
(22) 11.09.2015
(54) CLEANING COMPOSITION
(73) Henkel AG & Co. KGaA
(72) WRUBBEL, Noelle
MATULLA, David
STRAUSS, Britta
VOCKENROTH, Inga Kerstin
WEBER, Thomas
ZIPFEL, Johannes
BLANK, Volker
DRIESCH, von den, Karl-Josef
(31) 102014218934
(32) 19.09.2014
(33) Germany

(51) C11D 3/386
(11) EP3161118
(21) EP15730147.4
(47) 07.08.2019
(87) EP2015063667
07.01.2016
(22) 18.06.2015
(54) CLEANING AGENT CONTAINING AMYLASES
(73) Henkel AG & Co. KGaA
(72) VOCKENROTH, Inga Kerstin
WEBER, Thomas
MENKE, Silke
EITING, Thomas
MUSSMANN, Nina
BASTIGKEIT, Thorsten
WRUBBEL, Noelle
(31) 102014212640
(32) 30.06.2014
(33) Germany

(51) C11D 3/39
C11D 17/04
(11) EP3221441
(21) EP15790539.9
(47) 07.08.2019
(87) EP2015075658
26.05.2016
(22) 04.11.2015
(54) WATER-SOLUBLE PACKAGED UNIT DOSE DETERGENT COMPOSITION
(73) Henkel AG & Co. KGaA
(72) DREJA, Michael
HÄTZELT, André
WEIDE, Mirko
(31) 102014223360
(32) 17.11.2014
(33) Germany

(51) C11D 7/26
A61K 8/39
(11) EP2762129
(21) EP12836543.4
(47) 07.08.2019
(87) JP2012075070
04.04.2013
(22) 28.09.2012
(54) COSMETIC COMPOSITION AND COSMETIC
(73) The Nisshin OilliO Group, Ltd.
(72) MATSUZAWA, Makoto
TAKANASHI, Azusa
TAKAHASHI, Tsuneki
GOTOU, Aki
(31) 2011214366
(32) 29.09.2011
(33) Japan

(51) C11D 7/26
C11D 17/00
C11D 7/50
C11D 11/00
(11) EP3341462
(21) EP16757261.9
(47) 07.08.2019
(87) EP2016070224
09.03.2017
(22) 26.08.2016
(54) PROCESS FOR CLEANING CONTAMINATED PLASTIC MATERIAL FOR RECYCLING
(73) Technische Universiteit Eindhoven
(72) KOLIJN, Jan
(31) 2015360
(32) 28.08.2015
(33) Netherlands

(51) C11D 11/00
C23C 16/455
C23F 1/12
C23C 16/44
C23G 5/00
H01J 37/32
C07C 45/00
C23C 14/56
(11) EP3405598
(21) EP17701652.4
(47) 07.08.2019
(87) EP2017050760
27.07.2017
(22) 16.01.2017
(54) METHOD FOR REMOVING A METAL DEPOSIT ARRANGED ON A SURFACE IN A CHAMBER
(73) Kobus SAS
(72) VITIELLO, Julien
PIALLAT, Fabien
(31) 1650407
(32) 19.01.2016
(33) France

(51) C11D 11/02
C11D 1/02
C11D 3/10
C11D 3/37
(11) EP2870229
(21) EP13730199.0
(47) 07.08.2019
(87) EP2013062387
16.01.2014
(22) 14.06.2013
(54) PROCESS FOR THE PRODUCTION OF A DETERGENT GRANULE, DETERGENT GRANULE AND DETERGENT COMPOSITION COMPRISING SAID GRANULE
(73) Unilever N.V.
Unilever PLC
(72) PACHA, Fakhruddin Esmail
(31) 12175590
(32) 09.07.2012
(33) European Patent Office (EPO)

(51) C11D 17/04
C11D 3/386
C11D 3/37
C11D 3/22
(11) EP3119866
(21) EP15700898.8
(47) 07.08.2019
(87) EP2015051443
24.09.2015
(22) 26.01.2015
(54) LAUNDRY ARTICLE
(73) Henkel AG & Co. KGaA
(72) TOMS, David John
KEARNEY, Avril Kate
(31) 201405041
(32) 21.03.2014
(33) United Kingdom

(51) C12M 1/00
(11) EP2370561
(21) EP09835506.8
(47) 07.08.2019
(87) US2009067097
01.07.2010
(22) 08.12.2009
(54) STIRRED TANK REACTOR AND METHOD
(73) EMD Millipore Corporation
(72) MOYA, Wilson
DUPONT, Alison
(31) 201865 P
(32) 16.12.2008
(33) United States of America

(51) C12M 1/107
C12M 1/00
A01C 3/02
E04H 7/06
(11) EP2725093
(21) EP13190370.0
(47) 07.08.2019
(22) 25.10.2013
(54) Biogas container with a dome shaped air supported roof
(73) JOPE Beteiligungs GmbH
(72) Baur, Peter
Baur, Josef
(31) 202012104130 U
(32) 26.10.2012
(33) Germany

(51) C12M 1/12
A61L 27/56
C12N 5/00
(11) EP3253861
(21) EP16705048.3
(47) 07.08.2019
(87) EP2016052137
11.08.2016
(22) 02.02.2016
(54) MATRIX IN BALL FORM AS A CELL CARRIER
(73) Maco Pharma
(72) BOUCKENOOGHE, Thomas
BERTHOLET, Pauline
DELORME, Bruno
(31) 1500195
(32) 03.02.2015
(33) France

(51) C12M 3/00
C12M 1/36
C12M 1/34
(11) EP2690168
(21) EP12761169.7
(47) 07.08.2019
(87) JP2012002043
27.09.2012
(22) 23.03.2012
(54) CULTURE APPARATUS, CULTURE APPARATUS SYSTEM, CULTURE OPERATION MANAGEMENT METHOD AND PROGRAM
(73) Nikon Corporation
(72) UOZUMI, Takayuki
(31) 2011066648
(32) 24.03.2011
(33) Japan

(51) C12N 1/00
C12N 5/07
C12N 5/071
(11) EP3009503
(21) EP14811574.4
(47) 07.08.2019
(87) JP2014065599
18.12.2014
(22) 12.06.2014
(54) SERUM-FREE MEDIUM CONTAINING PDGF FOR DS CELLS
(73) Shiseido Company Ltd.
(72) YAMANISHI, Haruyo
SOMA, Tsutomu
YOSHIDA, Yuzo
(31) 2013123263
(32) 12.06.2013
(33) Japan

(51) C12N 1/08
C07H 21/00
C12N 15/10
(11) EP3134506
(21) EP15783316.1
(47) 07.08.2019
(87) US2015027563
29.10.2015
(22) 24.04.2015
(54) METHODS FOR PURIFICATION OF MESSENGER RNA
(73) Translate Bio, Inc.
(72) DEROSA, Frank
DIAS, Anusha
KARVE, Shrirang
HEARTLEIN, Michael
(31) 201461984503 P
(32) 25.04.2014
(33) United States of America

(51) C12N 1/18
C12P 7/06
C12R 1/865
(11) EP3214168
(21) EP14904983.5
(47) 07.08.2019
(87) CN2014093260
06.05.2016
(22) 08.12.2014
(54) SACCHAROMYCES CEREVISIAE CAPABLE OF BEING CO-FERMENTED BY MULTIPLE CARBON SOURCES AND APPLICATION THEREOF
(73) Jiangnan University
(72) XU, Yan
WU, Qun
(31) 201410605253
(32) 30.10.2014
(33) China

(51) C12N 1/19
C12N 9/12

C12P 13/00
(11) EP3341476
(21) EP16763598.6
(47) 07.08.2019
(87) JP2016003866
02.03.2017
(22) 24.08.2016
(54) METHOD FOR PRODUCING PHYTOSPHINGOSINE OR SPHINGANINE
(73) Ajinomoto Co., Inc.
Evolva SA
(72) SCHWAB, Markus
BABAU, Maud
FISCHER, David
HATSCH, Anaelle
TAVARES, Sabina de Andrade Pereira
NIELSEN, Curt Aime Friis
KLEIN, Jens
WIRDNAM, Corina Daniela
(31) 201562208934 P
2015164693
(32) 24.08.2015
24.08.2015
(33) United States of America
Japan

(51) C12N 5/00
C12P 21/02
(11) EP2275530
(21) EP10176622.8
(47) 07.08.2019
(22) 07.11.2003
(54) Method for cultivating cells for the production of compounds
(73) F. Hoffmann-La Roche AG
(72) Essers, Ruth
Gaetgens, Jochen
Link, Thomas
Noll, Thomas
Skopnik, Kerstin
Wandrey, Christian
(31) 10255508
(32) 27.11.2002
(33) Germany

(51) C12N 5/0735
(11) EP3161129
(21) EP15810918.1
(47) 07.08.2019
(87) US2015038182
30.12.2015
(22) 26.06.2015
(54) NEURAL CELLS EXPRESSING ADENOVIRUS E4ORF1, AND METHODS OF MAKING AND USING THE SAME
(73) Angiocrine Bioscience, Inc.
(72) QIANG, Liang
DAVIS, Claude, Geoffrey
NOLAN, Daniel, Joseph
(31) 201462018056 P
(32) 27.06.2014
(33) United States of America

(51) C12N 5/0735
C12N 5/071
(11) EP1740612
(21) EP05780039.3
(47) 07.08.2019
(87) US2005014239
08.12.2005
(22) 26.04.2005
(54) PDX1 EXPRESSING ENDODERM
(73) VIACYTE, INC.
(72) D'AMOUR, Kevin, Allen
AGULNICK, Alan, D.
ELIAZER, Susan
BAETGE, Emmanuel, E.
(31) 566293 P
586566 P
587942 P
21618
(32) 27.04.2004
09.07.2004
14.07.2004
23.12.2004
(33) United States of America
United States of America
United States of America
United States of America

(51) C12N 5/074
A61K 35/28
A61K 35/35
(11) EP2510085
(21) EP10788321.7
(47) 07.08.2019
(87) EP2010069049
16.06.2011
(22) 07.12.2010
(54) ADULT STEM CELL DERIVED CONDITIONED MEDIUM AND/OR ADULT STEM CELLS FOR USE IN THE THERAPEUTIC TREATMENT OF A TUMOR DISEASE
(73) Fresenius Medical Care Deutschland GmbH
(72) HERRERA SANCHEZ, Maria, Beatriz
FONSATO, Valentina
TETTA, Ciro
CAMUSSI, Giovanni
(31) 09425504
(32) 09.12.2009
(33) European Patent Office (EPO)

(51) C12N 5/074
C12N 5/02
A61K 35/12
A61K 35/22
(11) EP2760995
(21) EP12835515.3
(47) 07.08.2019
(87) US2012058369
04.04.2013
(22) 01.10.2012
(54) RENAL STEM CELLS ISOLATED FROM KIDNEY
(73) THE UNIVERSITY OF MIAMI
(72) HARE, Joshua M.
RANGEL, Erika, B
GOMES, Samirah, A
(31) 201161541680 P
(32) 30.09.2011
(33) United States of America

(51) C12N 5/077
C12N 5/0775
A61K 35/35
A61K 35/28
A61P 17/00
A61P 37/00
A61P 43/00
(11) EP3299451
(21) EP17172872.8
(47) 07.08.2019
(22) 17.09.2014
(54) METHODS OF USING ADIPOSE TISSUE-DERIVED CELLS IN THE TREATMENT OF RAYNAUD'S PHENOMENON
(73) Cytori Therapeutics, Inc.
(72) FRASER, John
MAGALON, Guy
(31) 201361880086 P
201461977466 P
(32) 19.09.2013
09.04.2014
(33) United States of America
United States of America

(51) C12N 5/078
G01N 1/30
G01N 1/36
(11) EP3066194
(21) EP14802752.7
(47) 07.08.2019
(87) US2014064162
14.05.2015
(22) 05.11.2014
(54) METHOD FOR PREPARING FFPE QUALITY CONTROL MATERIAL WITH BULKING AGENT
(73) Life Technologies Corporation
(72) LAU, Aron
SHAHBAZIAN, Mona
SCHOENBRUNNER, Erhard
(31) 201361900266 P
(32) 05.11.2013
(33) United States of America

(51) C12N 5/0789
A61K 38/28
C12N 15/113
A61K 31/7125
A61K 35/28
(11) EP2816107
(21) EP14172624.0
(47) 07.08.2019
(22) 16.06.2014
(54) Method of expanding hematopoietic stem cells
(73) Gao, Hong
Zhu, Zhenglun
(72) Gao, Hong
Zhu, Zhenglun
(31) 201313919241
(32) 17.06.2013
(33) United States of America

(51) C12N 5/095
C12N 5/09
G01N 33/50
(11) EP3011016
(21) EP14814177.3
(47) 07.08.2019
(87) SG2014000290
24.12.2014
(22) 18.06.2014
(54) METHOD OF CULTURING CANCER STEM CELLS
(73) Agency for Science, Technology and Research
(72) KURISAWA, Motoichi
YAMASHITA, Atsushi
(31) 201304704

(32) 18.06.2013
(33) Singapore

(51) C12N 7/00
(11) EP3052631
(21) EP14850556.3
(47) 07.08.2019
(87) US2014059060
09.04.2015
(22) 03.10.2014
(54) METHODS OF DETECTION AND REMOVAL OF RHABDOVIRUSES FROM CELL LINES
(73) Takeda Vaccines, Inc.
(72) HAYNES, Joel
(31) 201361886438 P
(32) 03.10.2013
(33) United States of America

(51) C12N 7/01
C12N 15/40
C07K 14/18
A61K 39/12
A61K 39/00
(11) EP3158061
(21) EP15734770.9
(47) 07.08.2019
(87) US2015036728
23.12.2015
(22) 19.06.2015
(54) CHIMERIC WEST NILE/DENGUE VIRUSES AND METHODS OF USE
(73) The U.S.A. as represented by the Secretary, Department of Health and Human Services
(72) KINNEY, Claire, Y.H.
(31) 201462015265 P
(32) 20.06.2014
(33) United States of America

(51) C12N 9/02
C11D 3/386
(11) EP3303572
(21) EP16726571.9
(47) 07.08.2019
(87) EP2016062440
08.12.2016
(22) 02.06.2016
(54) DETERGENTS WITH IMPROVED DETERGENT POWER, CONTAINING AT LEAST ONE LACCASE
(73) Henkel AG & Co. KGaA
(72) MUSSMANN, Nina
O'CONNELL, Timothy
HERBST, Daniela
PRÜSER, Inken
BERGER, Ralf G.
LINKE, Diana
BEHRENS, Christoph
(31) 102015210370
102015210369
102015210368
102015210367
(32) 05.06.2015
05.06.2015
05.06.2015
05.06.2015
(33) Germany
Germany
Germany
Germany

(51) C12N 9/02
C12N 1/20
C12N 1/30
C12N 1/38
C12P 7/62
C12P 39/00
(11) EP2781593
(21) EP14172432.8
(47) 07.08.2019
(22) 29.12.2005
(54) Process for the treatment of methane emissions
(73) Newlight Technologies, Inc.
(72) Herrema, Markus Donald
Kimmel, Kenton
(31) 208808
721938 P
(32) 22.08.2005
29.09.2005
(33) United States of America
United States of America

(51) C12N 9/10
(11) EP3011019
(21) EP14738375.6
(47) 07.08.2019
(87) EP2014001644
24.12.2014
(22) 17.06.2014
(54) POLYPEPTIDE HAVING THE CAPACITY TO FORM ALPHA-1,3 GLUCOSYL UNIT BRANCHINGS ON AN ACCEPTOR
(73) Institut National de la Recherche Agronomique (INRA)
Centre National de la Recherche Scientifique (C.N.R.S.)
Institut National des Sciences Appliquées de Toulouse
(72) REMAUD-SIMEON, Magali
VUILLEMIN, Marlène
MOULIS, Claire
MONSAN, Pierre
MOREL, Sandrine
(31) 1301402
(32) 17.06.2013
(33) France

(51) C12N 9/10
C12P 19/08
A61K 8/73
A61Q 19/00
C08B 37/00
C08B 37/02
C08L 5/02
A23L 29/269
(11) EP3158062
(21) EP15732192.8
(47) 07.08.2019
(87) EP2015063864
23.12.2015
(22) 19.06.2015
(54) VERY HIGH MOLAR MASS DEXTRANS
(73) Centre National de la Recherche Scientifique
Institut National des Sciences Appliquées de Toulouse
Université de Bordeaux
Institut National de la Recherche Agronomique
Institut Polytechnique de Bordeaux
(72) VUILLEMIN, Marlène
CLAVERIE, Marion
MOULIS, Claire
REMAUD-SIMEON, Magali
GRIMAUD, Florent
MONSAN, Pierre
SABATE, Agnès
GARNIER, Catherine
DOLS-LAFARGUE, Marguerite
LUCAS, Patrick
(31) 1455751
(32) 20.06.2014
(33) France

(51) C12N 9/78
(11) EP3080265
(21) EP14825518.5
(47) 07.08.2019
(87) US2014070038
18.06.2015
(22) 12.12.2014
(54) CAS VARIANTS FOR GENE EDITING
(73) President and Fellows of Harvard College
(72) LIU, David, R.
KOMOR, Alexis, Christine
(31) 201361915386 P
201461980333 P
201414326318
201414326140
201414326303
201414326290
201414326269
201414326109
201414325815
(32) 12.12.2013
16.04.2014
08.07.2014
08.07.2014
08.07.2014
08.07.2014
08.07.2014
08.07.2014
08.07.2014
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) C12N 9/78
A61K 38/00
(11) EP3207130
(21) EP15797486.6
(47) 07.08.2019
(87) US2015055613
21.04.2016
(22) 14.10.2015
(54) COMPOSITIONS OF ADENOSINE DEAMINASE-2 (ADA2), VARIANTS THEREOF AND METHODS OF USING SAME
(73) Halozyme, Inc.
(72) THANOS, Christopher D.
WANG, Lin
SHEPARD, Michael H.
(31) 201462063936 P
(32) 14.10.2014
(33) United States of America

(51) C12N 9/88
C12N 15/52
C07D 307/92
C12P 7/02
C12P 15/00
(11) EP2783004
(21) EP12850749.8
(47) 07.08.2019
(87) CA2012050837
30.05.2013
(22) 21.11.2012
(54) DITERPENE SYNTHASES AND METHOD FOR PRODUCING DITERPENOIDS
(73) The University of British Columbia
(72) BOHLMANN, Joerg
ZERBE, Philipp
(31) 201161562280 P
(32) 21.11.2011
(33) United States of America

(51) C12N 9/90
C07K 14/195
C07K 14/415
C07K 14/47
C07K 16/22
C07K 14/65
G01N 33/53
(11) EP2705147
(21) EP12720476.6
(47) 07.08.2019
(87) EP2012058207
08.11.2012
(22) 04.05.2012
(54) AMINO ACID SEQUENCE PRESENTING FUSION POLYPEPTIDE AND ITS USE
(73) F. Hoffmann-La Roche AG
(72) ANDRES, Herbert
CASAGOLDA VALLRIBERA, David
DUEFEL, Hartmut
GERG, Michael
SCHOLZ, Christian
SCHRAEML, Michael
(31) 11164957
12155742
(32) 05.05.2011
16.02.2012
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C12N 15/00
A01N 63/00
C12N 15/86
(11) EP2814958
(21) EP13749822.6
(47) 07.08.2019
(87) US2013026695
22.08.2013
(22) 19.02.2013
(54) AAV VECTOR COMPOSITIONS AND METHODS FOR GENE TRANSFER TO CELLS, ORGANS AND TISSUES
(73) The Children's Hospital of Philadelphia
(72) HIGH, Katherine, A.
MINGOZZI, Federico
SUN, Junwei
JOHNSON, Philip
(31) 201261600415 P
(32) 17.02.2012
(33) United States of America

(51) C12N 15/09
C12P 21/02
C12Q 1/68
(11) EP2876159
(21) EP13810803.0
(47) 07.08.2019
(87) JP2013003767
03.01.2014
(22) 17.06.2013
(54) MOLECULAR ENGINEERING METHOD FOR IN VITRO EVOLUTION OF MEMBRANE PROTEIN
(73) Japan Science and Technology Agency
(72) YOMO, Tetsuya
MATSUURA, Tomoaki
SOGA, Haruka
WATANABE, Hajime
FUJII, Satoshi
(31) 2012145795
(32) 28.06.2012
(33) Japan

(51) C12N 15/09
C12Q 1/68
(11) EP3091074
(21) EP14864397.6
(47) 07.08.2019
(87) JP2014005849
28.05.2015
(22) 20.11.2014
(54) T CELL RECEPTOR AND B CELL RECEPTOR REPERTOIRE ANALYSIS SYSTEM, AND USE OF SAME IN TREATMENT AND DIAGNOSIS
(73) Repertoire Genesis Incorporation
(72) SUZUKI, Ryuji
SHINI, Tadasu
(31) 2013241403
2013241404
2013241405
(32) 21.11.2013
21.11.2013
21.11.2013
(33) Japan
Japan
Japan

(51) C12N 15/10
(11) EP2825646
(21) EP13717812.5
(47) 07.08.2019
(87) GB2013050653
19.09.2013
(22) 15.03.2013
(54) METHODS FOR OBTAINING LIQUID FROM A SOLID PHASE
(73) Cambridge Enterprise Limited
(72) CHUA, Yii Leng
(31) 201204663
(32) 16.03.2012
(33) United Kingdom

(51) C12N 15/10
C12P 19/34
C12Q 1/68
(11) EP2912197
(21) EP13848994.3
(47) 07.08.2019
(87) US2013065744
01.05.2014
(22) 18.10.2013
(54) TEMPLATE SWITCH-BASED METHODS FOR PRODUCING A PRODUCT NUCLEIC ACID
(73) Takara Bio USA, Inc.
(72) BETTS, Craig
FARMER, Andrew Alan
BOLDUC, Nathalie
(31) 201261717973 P
(32) 24.10.2012
(33) United States of America

(51) C12N 15/11
A61K 47/42
C07K 14/705
C07K 7/06
C07K 14/005
C07K 14/435
C12N 15/113
A61K 47/69
A61K 48/00
(11) EP2419144
(21) EP10714058.4
(47) 07.08.2019
(87) GB2010000762
21.10.2010
(22) 15.04.2010
(54) COMPOSITION FOR DELIVERY OF GENETIC MATERIAL
(73) Oxford University Innovation Limited
(72) SEOW, Yiqi
ALVAREZ, Lydia
WOOD, Matthew
(31) 0906693
0906692
(32) 17.04.2009
17.04.2009
(33) United Kingdom
United Kingdom

(51) C12N 15/113
A61K 31/7088
(11) EP3071696
(21) EP14843226.3
(47) 07.08.2019
(87) IB2014003054
28.05.2015
(22) 24.11.2014
(54) C/EBP ALPHA SHORT ACTIVATING RNA COMPOSITIONS AND METHODS OF USE
(73) Mina Therapeutics Limited
(72) SAERTROM, Pal
(31) 201361907732 P
(32) 22.11.2013
(33) United States of America

(51) C12N 15/113
A61K 31/7125
C12N 15/11
(11) EP3018211
(21) EP15199455.5
(47) 07.08.2019
(22) 31.08.2011
(54) ANTISENSE NUCLEIC ACIDS
(73) Nippon Shinyaku Co., Ltd.
National Center of Neurology and Psychiatry
(72) WATANABE, Naoki
SATOU, Youhei
TAKEDA, Shin'ichi
NAGATA, Tetsuya
(31) 2010196032

(32) 01.09.2010
(33) Japan

(51) C12N 15/113
A61K 48/00
C12N 15/85
C12N 15/867
(11) EP3189143
(21) EP15837740.8
(47) 07.08.2019
(87) US2015048698
10.03.2016
(22) 04.09.2015
(54) GLOBIN GENE THERAPY FOR TREATING HEMOGLOBINOPATHIES
(73) Memorial Sloan-Kettering Cancer Center
University of Washington
(72) SADELAIN, Michel
RIVIERE, Isabelle
MANSILLA-SOTO, Jorge
WANG, Xiuyan
STAMATOYANNOPOULOS, George
STAMATOYANNOPOULOS, John
LIU, Mingdong
(31) 201462045997 P
(32) 04.09.2014
(33) United States of America

(51) C12N 15/115
(11) EP3049523
(21) EP14847780.5
(47) 07.08.2019
(87) US2014057143
02.04.2015
(22) 24.09.2014
(54) MULTIAPTAMER TARGET DETECTION
(73) Somalogic, Inc.
(72) OCHSNER, Urs A.
GREEN, Louis S.
GOLD, Larry
JANJIC, Nebojsa
(31) 201361881629 P
(32) 24.09.2013
(33) United States of America

(51) C12N 15/63
C12N 15/10
C40B 40/08
C12N 9/22
(11) EP3011034
(21) EP14736206.5
(47) 07.08.2019
(87) US2014041809
24.12.2014
(22) 11.06.2014
(54) DELIVERY, USE AND THERAPEUTIC APPLICATIONS OF THE CRISPR-CAS SYSTEMS AND COMPOSITIONS FOR TARGETING DISORDERS AND DISEASES USING VIRAL COMPONENTS
(73) The Broad Institute, Inc.
President and Fellows of Harvard College
Massachusetts Institute of Technology
(72) ZHANG, Feng
RAN, Fei
HEIDENREICH, Matthias
SWIECH, Lukasz
CONG, Le
(31) 201361836123 P
201361847537 P
201361862355 P
201361871301 P
PCT/US2013/074667
201361915225 P
201461979879 P
(32) 17.06.2013
17.07.2013
05.08.2013
28.08.2013
12.12.2013
12.12.2013
15.04.2014
(33) United States of America
United States of America
United States of America
United States of America
World Intellectual Property Office (WIPO)
United States of America
United States of America

(51) C12N 15/66
C12N 15/10
(11) EP3159412
(21) EP16200729.8
(47) 07.08.2019
(22) 09.06.2011
(54) SYSTEM AND METHOD OF MODULAR CLONING
(73) Icon Genetics GmbH
(72) Weber, Ernst
Werner, Stefan
Engler, Carola
Gruetzner, Ramona
Marillonnet, Sylvestre
(31) 10006090
10006955
(32) 11.06.2010
06.07.2010
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C12N 15/86
(11) EP3083969
(21) EP14821255.8
(47) 07.08.2019
(87) GB2014053813
25.06.2015
(22) 19.12.2014
(54) VIRAL VECTOR PRODUCTION SYSTEM
(73) Oxford BioMedica (UK) Limited
(72) FARLEY, Daniel
MITROPHANOUS, Kyriacos
(31) 201322798
(32) 20.12.2013
(33) United Kingdom

(51) C12N 15/86
C12N 15/70
(11) EP3480315
(21) EP18188971.8
(47) 07.08.2019
(22) 15.10.2014
(54) MINICIRCLES WITH VIRAL EXPRESSION CASSETTES AND THEIR USE IN THE TRANSFORMATION OF CELLS TO GENERATE RECOMBINANT VIRUSES OR VIRAL GENE VECTORS
(73) PlasmidFactory GmbH & Co. KG
(72) SCHLEEF, Martin
(31) 102013220859
(32) 15.10.2013
(33) Germany

(51) C12P 5/02
C12M 1/16
C12N 11/14
C12M 1/107
(11) EP2847339
(21) EP13788252.8
(47) 07.08.2019
(87) FI2013050503
14.11.2013
(22) 07.05.2013
(54) MEANS AND METHODS FOR METHANE PRODUCTION
(73) Qvidja Kraft AB
(72) ALITALO, Anni
AURA, Erkki
(31) 20125496
(32) 08.05.2012
(33) Finland

(51) C12P 7/10
A23K 10/38
(11) EP3354741
(21) EP18161151.8
(47) 07.08.2019
(22) 12.10.2010
(54) PRODUCING EDIBLE RESIDUES FROM ETHANOL PRODUCTION
(73) Xyleco, Inc.
(72) MEDOFF, Marshall
(31) 251610 P
(32) 14.10.2009
(33) United States of America

(51) C12P 7/64
B01D 17/02
C12N 9/50
(11) EP3013968
(21) EP14817743.9
(47) 07.08.2019
(87) US2014043392
31.12.2014
(22) 20.06.2014
(54) PROCESS OF EXTRACTING OIL FROM THIN STILLAGE
(73) Novozymes A/S
(72) KREEL, Nathanial
JUMP, Joseph
(31) 201361838650 P
201361863727 P
201461943794 P
201461991866 P
(32) 24.06.2013
08.08.2013
24.02.2014
12.05.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) C12P 19/14
C12N 9/24
C12N 15/10
C12N 15/70
(11) EP2995687
(21) EP15184676.3
(47) 07.08.2019
(22) 10.09.2015
(54) THERMOSTABLE BETA-GLUCOSIDASE
(73) Honda Motor Co., Ltd.
(72) Kondo, Yasuhiro

Hirose, Yoshitsugu
Yamaguchi, Asuka
Suda, Migiwa
Okuma, Jiro
Kato, Tomohiko
Shibata, Daisuke
Gunji, Takahiro
(31) 2014184909
(32) 11.09.2014
(33) Japan

(51) C12P 19/14
C12N 9/24
C12N 15/70
C12N 15/10
(11) EP2995686
(21) EP15184665.6
(47) 07.08.2019
(22) 10.09.2015
(54) THERMOSTABLE BETA-GLUCOSIDASE
(73) Honda Motor Co., Ltd.
(72) Kondo, Yasuhiro
Hirose, Yoshitsugu
Yamaguchi, Asuka
Suda, Migiwa
Okuma, Jiro
Kato, Tomohiko
Shibata, Daisuke
Gunji, Takahiro
(31) 2014184910
(32) 11.09.2014
(33) Japan

(51) C12P 19/34
C12Q 1/68
C12N 9/12
(11) EP3093347
(21) EP16163265.8
(47) 07.08.2019
(22) 24.04.2014
(54) DNA POLYMERASE MUTANTS HAVING INCREASED THERMOSTABILITY AND PROCESSIVITY
(73) Thermo Fisher Scientific Baltics UAB
(72) POVILAITIS, Tadas
SKIRGAILA, Remigijus
(31) 201361815893 P
201314135860
(32) 25.04.2013
20.12.2013
(33) United States of America
United States of America

(51) C12P 21/00
C12N 9/00
C12N 9/60
C12P 1/02
C12N 1/16
C07K 14/395
C07K 14/62
C12N 9/48
(11) EP2943581
(21) EP14738048.9
(47) 07.08.2019
(87) IB2014058171
17.07.2014
(22) 10.01.2014
(54) PROCESS FOR EXPRESSION OF RECOMBINANT PROTEINS IN PICHIA PASTORIS USING A FED BATCH MODEL
(73) Biocon Limited
(72) TIWARI, Sanjay
AWASTHI, Gourav
JOTHIRAMAN, Gokul
CHANDAVARKAR, Arun
(31) 137CH2013
(32) 10.01.2013
(33) India

(51) C12P 21/02
C12N 1/20
C12N 15/70
C12N 15/74
C12N 15/79
(11) EP2825663
(21) EP13714069.5
(47) 07.08.2019
(87) US2013030549
19.09.2013
(22) 12.03.2013
(54) SEPARATOME-BASED PROTEIN EXPRESSION AND PURIFICATION PLATFORM
(73) Board of Trustees of the University of Arkansas
University of Pittsburgh - Of the Commonwealth System of Higher Education
(72) BRUNE, Ellen, M.
BEITLE, Robert, R., Jr.
ATAAI, Mohammad, M
BARTLOW, Patrick, R.
HENRY, Ralph L.
(31) 201261610298 P
(32) 13.03.2012
(33) United States of America

(51) C12Q 1/34
C12Q 1/37
G01N 27/62
C12N 9/16
(11) EP3088531
(21) EP14874116.8
(47) 07.08.2019
(87) JP2014083449
02.07.2015
(22) 17.12.2014
(54) METHOD FOR DETERMINING SITE HAVING N-LINKED SUGAR CHAIN ADDED THERETO OR PROPORTION OF SAID ADDITION
(73) Tosoh Corporation
(72) NAKATA, Daisuke
(31) 2013267826
(32) 25.12.2013
(33) Japan

(51) C12Q 1/68
(11) EP3004386
(21) EP14804209.6
(47) 07.08.2019
(87) AU2014050053
04.12.2014
(22) 29.05.2014
(54) MICROBIAL MARKERS AND USES THEREFOR
(73) Immunexpress Pty Ltd
(72) BRANDON, Richard, Bruce
HUYGENS, Flavia
(31) 2013901907
2013903914
(32) 29.05.2013
11.10.2013
(33) Australia
Australia

(51) C12Q 1/68
(11) EP3045545
(21) EP15203254.6
(47) 07.08.2019
(22) 22.03.2006
(54) METHOD AND APPARATUS FOR CHARACTERIZING AND COUNTING PARTICLES, IN PARTICULAR BIOLOGICAL PARTICLES
(73) Menarini Silicon Biosystems S.p.A.
(72) MANARESI, Nicolò
GUERRIERI, Roberto
MEDORO, Gianni
(31) BO20050646
(32) 26.10.2005
(33) Italy

(51) C12Q 1/68
(11) EP3152331
(21) EP15802743.3
(47) 07.08.2019
(87) US2015034724
10.12.2015
(22) 08.06.2015
(54) METHOD FOR IDENTIFICATION AND ENUMERATION OF NUCLEIC ACID SEQUENCE, EXPRESSION, COPY, OR DNA METHYLATION CHANGES, USING COMBINED NUCLEASE, LIGASE, POLYMERASE, AND SEQUENCING REACTIONS
(73) Cornell University
(72) BARANY, Francis
EFCAVITCH, John, William
(31) 201462009047 P
201562136093 P
(32) 06.06.2014
20.03.2015
(33) United States of America
United States of America

(51) C12Q 1/68
(11) EP3262191
(21) EP16714078.9
(47) 07.08.2019
(87) US2016019310
01.09.2016
(22) 24.02.2016
(54) ASSAYS TO DETERMINE DNA METHYLATION AND DNA METHYLATION MARKERS OF CANCER
(73) Zymo Research Corporation
(72) GUO, Wei
PIATTI, Paolo
YANG, Xiaojing
JIA, Xi-Yu
(31) 201562120373 P
(32) 24.02.2015
(33) United States of America

(51) C12Q 1/68
(11) EP3272879
(21) EP17171687.1
(47) 07.08.2019
(22) 24.10.2009
(54) TRANSPOSON END COMPOSITIONS AND METHODS FOR MODIFYING NUCLEIC ACIDS

(73) Epicentre Technologies Corporation
(72) JENDRISAK, Jerome
DAHL, Gary
GRUNENWALD, Haiying Li
CARUCCIO, Nicholas
(31) 108321 P
108326 P
108329 P
152868 P
155431 P
184530 P
(32) 24.10.2008
24.10.2008
24.10.2008
16.02.2009
25.02.2009
05.06.2009
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) C12Q 1/68
C12N 11/06
C12N 5/00
C12N 11/00
(11) EP2914749
(21) EP13850293.5
(47) 07.08.2019
(87) US2013068542
08.05.2014
(22) 05.11.2013
(54) METHODS OF PATTERNING CELLS ON A SURFACE OF A SUBSTRATE AND PROGRAMMED ASSEMBLY OF THREE-DIMENSIONAL LIVING TISSUES
(73) The Regents of the University of California
(72) GARTNER, Zev, Jordan
LIU, Jennifer, S.
JEE, Noel, Youngho
TODHUNTER, Michael, E.
(31) 201261722694 P
201361786124 P
(32) 05.11.2012
14.03.2013
(33) United States of America
United States of America

(51) C12Q 1/68
C12P 19/34
B01L 3/00
B01L 7/00
(11) EP1920070
(21) EP06752383.7
(47) 07.08.2019
(87) US2006017665
16.11.2006
(22) 08.05.2006
(54) SELF-CONTAINED BIOLOGICAL ANALYSIS
(73) BioFire Diagnostics, LLC
(72) RIRIE, Kirk, M.
RASMUSSEN, Randy, P.
PORITZ, Mark, Aaron
SMITH, Stewart, Benjamin
NEWSWANDER, Michael, R.
JONES, David, E.
(31) 67905205
(32) 09.05.2005
(33) United States of America

(51) C12Q 1/68
G01N 33/53
G01N 33/574
(11) EP2748337
(21) EP12833913.2
(47) 07.08.2019
(87) US2012056668
28.03.2013
(22) 21.09.2012
(54) CELL RESPONSE ASSAY FOR CANCER AND METHODS OF PRODUCING AND USING SAME
(73) Siemens Healthcare Diagnostics Inc.
(72) PUGIA, Michael
(31) 201161538302 P
(32) 23.09.2011
(33) United States of America

(51) C12Q 1/68
G01N 33/53
G01N 33/68
C07K 14/705
G01N 33/72
G01N 33/74
(11) EP2912462
(21) EP13848471.2
(47) 07.08.2019
(87) US2013066350
01.05.2014
(22) 23.10.2013
(54) BIOMARKER FOR USE IN TREATING ANEMIA
(73) Celgene Corporation
(72) SUNG, Victoria
CHOPRA, Rajesh
HERMINE, Olivier
CRUZ MOURA, Ivan
DUSSIOT, Michael
TROVATI MACIEL, Thiago
FRICOT, Aurelie
(31) 201261718126 P
(32) 24.10.2012
(33) United States of America

(51) C12Q 1/6806
C12Q 1/68
B01L 3/00
G01N 1/28
G01N 33/543
C12Q 1/6841
(11) EP3161147
(21) EP15731561.5
(47) 07.08.2019
(87) EP2015064037
07.01.2016
(22) 23.06.2015
(54) SPATIAL MOLECULAR PROFILING OF SOLID BIOLOGICAL MASSES AND PROFILE STORAGE
(73) GE Healthcare UK Limited
(72) WAKEFIELD, Alison Myfanwy
HORTON, Jeffrey Kenneth
TATNELL, Peter James
(31) 201411624
(32) 30.06.2014
(33) United Kingdom

(51) C12Q 1/6816
C12Q 1/6804
C12Q 1/6823
G01N 33/53
(11) EP3008201
(21) EP14810839.2
(47) 07.08.2019
(87) US2014040731
18.12.2014
(22) 03.06.2014
(54) METHODS FOR MULTIPLEXED DETECTION OF TARGET MOLECULES AND USES THEREOF
(73) The General Hospital Corporation
(72) WEISSLEDER, Ralph
AGASTI, Sarit S.
PETERSON, Vanessa M.
ULLAL, Adeeti
(31) 201361834111 P
201361912054 P
201461972940 P
(32) 12.06.2013
05.12.2013
31.03.2014
(33) United States of America
United States of America
United States of America

(51) C12Q 1/6827
C12Q 1/6883
(11) EP2978860
(21) EP14719062.3
(47) 07.08.2019
(87) GB2014050955
02.10.2014
(22) 26.03.2014
(54) ASSESSMENT OF RISK OF ANEUPLOIDY
(73) BlueGnome Ltd
(72) HANDYSIDE, Alan
(31) 201305588
201400397
(32) 27.03.2013
10.01.2014
(33) United Kingdom
United Kingdom

(51) C12Q 1/6851
C12P 19/34
C12Q 1/6832
C12Q 1/6853
C12Q 1/6855
C12Q 1/6858
(11) EP2914743
(21) EP13795633.0
(47) 07.08.2019
(87) US2013068350
08.05.2014
(22) 04.11.2013
(54) SMALL RNA CAPTURE, DETECTION AND QUANTIFICATION
(73) Life Technologies Corporation
(72) WONG, Linda
CHEN, Caifu
WU, Yalei
DONG, Shoulian
LIU, Chunmei
(31) 201261721968 P
201261740242 P
(32) 02.11.2012
20.12.2012
(33) United States of America

United States of America

(51) C12Q 1/6869
C12Q 1/6851
C12Q 1/70
(11) EP3224376
(21) EP15801422.5
(47) 07.08.2019
(87) EP2015077882
02.06.2016
(22) 27.11.2015
(54) DNA IMPURITIES IN A COMPOSITION COMPRISING A PARVOVIRAL VIRION
(73) uniQure IP B.V.
(72) LUBELSKI, Jacek
HERMENS, Wilhelmus Theodorus Johannes M. C.
(31) 14195464
(32) 28.11.2014
(33) European Patent Office (EPO)

(51) C12Q 1/6869
F15C 3/00
G01N 33/548
(11) EP2660482
(21) EP13175751.0
(47) 07.08.2019
(22) 22.08.2006
(54) Vorrichtung, System und Verfahren unter Verwendung von nichtmischbaren Flüssigkeiten mit unterschiedlichen Volumen
(73) Life Technologies Corporation
(72) Lee, Linda, G.
Woo, Sam, L.
Ma, Congcong
Reel, Richard, T.
Oldham, Mark, F.
Cox, David, M.
Schroeder, Benjamin, G.
Sorenson, Jon, M.
Wiyatno, Willy
(31) 710167 P
731133 P
818197 P
(32) 22.08.2005
28.10.2005
30.06.2006
(33) United States of America
United States of America
United States of America

(51) C12Q 1/6883
(11) EP3222633
(21) EP17170963.7
(47) 07.08.2019
(22) 15.03.2013
(54) COMPOSITIONS AND METHODS RELATING TO DENND1A VARIANT 2 AND POLYCYSTIC OVARY SYNDROME
(73) The Penn State Research Foundation
Virginia Commonwealth University
(72) MCALLISTER, Janette, M.
STRAUSS, Jerome, F.
(31) 201261649568 P
(32) 21.05.2012
(33) United States of America

(51) C12Q 1/6883
A61K 31/44
A61K 31/53
A61K 31/426
(11) EP3011048
(21) EP14736319.6
(47) 07.08.2019
(87) EP2014062592
24.12.2014
(22) 16.06.2014
(54) METHOD FOR PREDICTING A TREATMENT RESPONSE TO A V1B ANTAGONIST IN A PATIENT WITH DEPRESSIVE AND/OR ANXIETY SYMPTOMS
(73) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.
(72) HOLSBOER, Florian
MÜLLER-MYHSOK, Bertram
(31) 201310782
(32) 17.06.2013
(33) United Kingdom

(51) C13K 1/02
D21C 3/02
C12P 7/10
(11) EP3201362
(21) EP15847240.7
(47) 07.08.2019
(87) TH2015000063
07.04.2016
(22) 01.10.2015
(54) A PRETREATMENT PROCESS OF LIGNOCELLULOSIC BIOMASS
(73) PTT Global Chemical Public Company Limited
(72) DENCHOKPRAGUY, Naphatsaya
CHAMPREDA, Verawat
LAOSIRIPOJANA, Navado
(31) 1401005962
(32) 01.10.2014
(33) Thailand

(51) C21C 5/46
F27D 3/16
(11) EP2882874
(21) EP13737131.6
(47) 07.08.2019
(87) EP2013001825
13.02.2014
(22) 20.06.2013
(54) HOT-BLAST LANCE
(73) Primetals Technologies Austria GmbH
(72) GÜNTHER, Christian
WAHL, Michael
(31) 102012016143
(32) 08.08.2012
(33) Germany

(51) C21D 1/10
C21D 1/42
C21D 9/40
(11) EP2310543
(21) EP09776843.6
(47) 07.08.2019
(87) EP2009004611
21.01.2010
(22) 26.06.2009
(54) METHOD FOR HARDENING AT LEAST ONE RACEWAY OF A BEARING RING FOR A LARGE-DIAMETER ROLLING BEARING
(73) EFD Induction GmbH
thyssenkrupp Rothe Erde GmbH
(72) SPINTIG, Wiilfried
STAKEMEIER, Bernd
ROLLMANN, Jörg
(31) 102008033735
(32) 18.07.2008
(33) Germany

(51) C21D 1/42
C21D 9/60
H05B 6/10
H05B 6/36
D03D 15/00
F27D 11/12
F27D 1/00
(11) EP2216418
(21) EP08833372.9
(47) 07.08.2019
(87) JP2008067992
02.04.2009
(22) 26.09.2008
(54) INSULATION STRUCTURE OF AN INDUCTION HEATING COIL
(73) Nippon Steel Corporation
(72) TERASHIMA, Hidetoshi
IEDA, Seiji
(31) 2007251083
2008213937
(32) 27.09.2007
22.08.2008
(33) Japan
Japan

(51) C21D 1/767
C21D 1/62
C21D 9/00
C21D 1/613
C21D 1/20
(11) EP1943364
(21) EP06793788.8
(47) 07.08.2019
(87) EP2006066678
03.05.2007
(22) 25.09.2006
(54) METHOD AND INSTALLATION FOR THE DRY TRANSFORMATION OF A MATERIAL STRUCTURE OF SEMIFINISHED PRODUCTS
(73) ROBERT BOSCH GMBH
(72) MUELLER, Bernhard
(31) 102005051420
(32) 27.10.2005
(33) Germany

(51) C21D 6/00
C21D 9/00
C22C 38/00
C22C 38/02
C22C 38/40
C22C 38/42
C22C 38/44
C22C 38/54
C22C 38/58
(11) EP3008222
(21) EP14810949.9
(47) 07.08.2019
(87) FI2014050476
18.12.2014
(22) 12.06.2014
(54) DUPLEX FERRITIC AUSTENITIC STAINLESS STEEL
(73) Outokumpu Oyj
(72) OLIVER, James
SCHEDIN, Erik

PETTERSSON, Rachel
(31) 20135649
(32) 13.06.2013
(33) Finland

(51) C21D 7/06
B24C 1/10
C22C 38/00
C22C 38/18
C22C 38/58
B24C 3/32
C22C 38/02
C22C 38/04
C22C 38/42
C22C 38/48
B24C 1/08
C21D 10/00
(11) EP1997918
(21) EP07737434.6
(47) 07.08.2019
(87) JP2007053632
07.09.2007
(22) 27.02.2007
(54) METHOD FOR MANUFACTURING STEEL PIPE EXCELLENT IN STEAM RESISTANCE OXIDATION CHARACTERISTICS
(73) Nippon Steel Corporation
(72) MATSUO, Hiroshi
(31) 2006055778
(32) 02.03.2006
(33) Japan

(51) C22B 15/00
F27D 3/18
F27D 99/00
(11) EP2588634
(21) EP11800246.8
(47) 07.08.2019
(87) FI2011050614
05.01.2012
(22) 28.06.2011
(54) SUSPENSION SMELTING FURNACE AND A CONCENTRATE BURNER
(73) OUTOTEC (FINLAND) OY
(72) BJÖRKLUND, Peter
PELTONIEMI, Kaarle
JÅFS, Mikael
AHOKAINEN, Tapio
PIENIMÄKI, Kari
PESONEN, Lauri, P.
(31) 20105741
(32) 29.06.2010
(33) Finland

(51) C22B 23/02
C21B 13/10
C22B 1/16
C22B 5/10
(11) EP3252178
(21) EP15883358.2
(47) 07.08.2019
(87) JP2015083784
01.09.2016
(22) 01.12.2015
(54) METHOD FOR SMELTING SAPROLITE ORE
(73) Sumitomo Metal Mining Co., Ltd.
(72) TAKAHASHI, Junichi
INOUE, Taku
OKADA, Shuuji
(31) 2015033941
(32) 24.02.2015
(33) Japan

(51) C22C 1/08
B23K 20/12
B32B 15/01
C22F 1/04
C22F 1/00
(11) EP2489749
(21) EP10823420.4
(47) 07.08.2019
(87) JP2010067979
21.04.2011
(22) 13.10.2010
(54) PROCESSES FOR PRODUCING PRECURSOR FOR FUNCTIONALLY GRADIENT MATERIAL AND PRODUCING FUNCTIONALLY GRADIENT MATERIAL, PRECURSOR FOR FUNCTIONALLY GRADIENT MATERIAL, AND FUNCTIONALLY GRADIENT MATERIAL
(73) Japan Science and Technology Agency
(72) HANGAI, Yoshihiko
UTSUNOMIYA, Takao
(31) 2009237447
(32) 14.10.2009
(33) Japan

(51) C22C 19/05
C22F 1/10
C22C 1/00
(11) EP2236635
(21) EP10153772.8
(47) 07.08.2019
(22) 17.02.2010
(54) Ni-base alloy and method of producing the same
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) Imano, Shinya
Sato, Jun
(31) 2009083990
(32) 31.03.2009
(33) Japan

(51) C22C 19/05
H01R 13/05
H01R 13/33
H01B 1/02
H01R 4/12
H01R 13/03
(11) EP3137640
(21) EP15723270.3
(47) 07.08.2019
(87) FR2015051125
05.11.2015
(22) 24.04.2015
(54) MINIATURE ELECTRICAL CONTACT OF HIGH THERMAL STABILITY
(73) AXON'CABLE
(72) DE DEKEN, Leen
YU, Ning
BROCARD, Bastien
(31) 1453882
(32) 29.04.2014
(33) France

(51) C22C 21/00
B23K 35/22
C22F 1/04
C22F 1/057
C22F 1/00
F28F 19/06
F28F 21/08
B22D 7/00
B23K 1/00
B21B 1/22
B23K 35/28
B23K 35/02
C22C 21/02
C22C 21/10
C22C 21/14
C22C 21/16
F28F 9/02
F28F 9/18
B21B 3/00
B23K 101/14
B23K 103/10
(11) EP3095885
(21) EP15737004.0
(47) 07.08.2019
(87) JP2015050445
23.07.2015
(22) 09.01.2015
(54) ALUMINUM ALLOY MATERIAL, METHOD FOR PRODUCING SAME, ALUMINUM ALLOY CLAD MATERIAL, AND METHOD FOR PRODUCING SAME
(73) UACJ Corporation
(72) NARITA Wataru
FUKUMOTO Atsushi
(31) 2014006238
(32) 16.01.2014
(33) Japan

(51) C22C 21/06
C22F 1/047
(11) EP3362584
(21) EP16793958.6
(47) 07.08.2019
(87) FR2016052621
20.04.2017
(22) 11.10.2016
(54) THIN SHEETS MADE FROM ALUMINIUM-MAGNESIUM-ZIRCONIUM ALLOYS FOR AEROSPACE APPLICATIONS
(73) Constellium Issoire
(72) POUGET, Gaëlle
EHRSTROM, Jean-Christophe
SIGLI, Christophe
(31) 1559786
(32) 15.10.2015
(33) France

(51) C22C 21/16
C22F 1/057
(11) EP3344790
(21) EP16777712.7
(47) 07.08.2019
(87) FR2016052167
09.03.2017
(22) 01.09.2016
(54) EXTRUDED PRODUCT MADE FROM AL-CU-MG ALLOY WITH IMPROVED COMPROMISE BETWEEN MECHANICAL RESISTANCE AND TOUGHNESS
(73) Constellium Issoire
(72) BES, Bernard
POUGET, Gaëlle

PIGNATEL, Jérome
(31) 1558153
(32) 03.09.2015
(33) France

(51) C22C 27/04
C22C 27/06
C22C 1/04
C22C 9/00
C22C 30/02
B22F 3/26
H01H 1/02
H01H 33/664
(11) EP3106534
(21) EP15758928.4
(47) 07.08.2019
(87) JP2015054259
11.09.2015
(22) 17.02.2015
(54) ALLOY COMPRISING COPPER AND CHROMIUM
(73) Meidensha Corporation
(72) KITAKIZAKI, Kaoru
ISHIKAWA, Keita
HAYASHI, Shota
SUZUKI, Nobutaka
HASEGAWA, Kosuke
(31) 2014041159
(32) 04.03.2014
(33) Japan

(51) C22C 33/02
C22C 38/22
C22C 38/24
B21B 27/02
B22F 3/105
B22F 3/15
(11) EP3323903
(21) EP16200062.4
(47) 07.08.2019
(22) 22.11.2016
(54) STEEL MATERIAL PREPARED BY POWDER METALLURGY, METHOD FOR PRODUCING A COMPONENT FROM SUCH A STEEL MATERIAL AND COMPONENT PRODUCED FROM THE STEEL MATERIAL
(73) Deutsche Edelstahlwerke Specialty Steel GmbH & Co. KG
(72) Hill, Horst
van Bennekom, André

(51) C22C 33/04
C22C 38/14
C21D 3/04
C21D 8/12
C21D 9/46
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/16
C22C 38/34
C23C 8/02
C23C 8/80
H01F 1/16
C22C 38/06
(11) EP2537946
(21) EP11744741.7
(47) 07.08.2019
(87) JP2011053488
25.08.2011
(22) 18.02.2011
(54) METHOD FOR MANUFACTURING GRAIN-ORIENTED ELECTRICAL STEEL SHEET
(73) Nippon Steel Corporation
(72) MURAKAMI, Kenichi
USHIGAMI, Yoshiyuki
(31) 2010033906
(32) 18.02.2010
(33) Japan

(51) C22C 38/00
C21D 9/08
C21D 9/50
C22C 38/14
C22C 38/58
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/08
C22C 38/12
C22C 38/18
(11) EP2803741
(21) EP12864721.1
(47) 07.08.2019
(87) JP2012082608
18.07.2013
(22) 17.12.2012
(54) METHOD OF POST WELD HEAT TREATMENT OF A LOW ALLOY STEEL PIPE
(73) Nippon Steel Corporation
(72) HIRATA, Hiroyuki
OMURA, Tomohiko
KOBAYASHI, Kenji
KAWANO, Kaori
TOMATSU, Kota
OGAWA, Kazuhiro
(31) 2012004204
(32) 12.01.2012
(33) Japan

(51) C22C 38/00
C21D 9/08
C22C 38/54
C21D 6/00
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/42
C22C 38/44
C22C 38/46
C22C 38/48
C22C 38/50
(11) EP3190200
(21) EP15838391.9
(47) 07.08.2019
(87) JP2015004403
10.03.2016
(22) 31.08.2015
(54) THICK-WALLED STEEL PIPE FOR OIL WELL AND METHOD OF MANUFACTURING SAME
(73) Nippon Steel Corporation
(72) ARAI, Yuji
KONDO, Keiichi
NAGAHASHI, Koji
(31) 2014180568
(32) 04.09.2014
(33) Japan

(51) C22C 38/00
C22C 38/12
C21D 9/46
C23C 2/06
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/08
C22C 38/14
C22C 38/16
C21D 6/00
B32B 15/01
C21D 8/02
C23C 2/12
C23C 2/40
C22C 38/18
(11) EP2209926
(21) EP08838499.5
(47) 07.08.2019
(87) US2008078946
16.04.2009
(22) 06.10.2008
(54) COMPLEX METALLOGRAPHIC STRUCTURED STEEL AND METHOD OF MANUFACTURING SAME
(73) Nucor Corporation
(72) SUN, Weiping
(31) 978997 P
(32) 10.10.2007
(33) United States of America

(51) C22C 38/14
C21D 8/02
C21D 6/00
C21D 9/46
C21D 1/60
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/12
C22C 38/22
C22C 38/24
C22C 38/28
C22C 38/32
C22C 38/26
C22C 38/06
(11) EP2881487
(21) EP13826542.6
(47) 07.08.2019
(87) CN2013071185
06.02.2014
(22) 31.01.2013
(54) ABRASION RESISTANT STEEL PLATE WITH SUPER-HIGH STRENGTH AND HIGH TOUGHNESS, AND PROCESS FOR PREPARING SAME
(73) Baoshan Iron & Steel Co., Ltd.
(72) LI, Hongbin
YAO, Liandeng
MIAO, Yuchuan
(31) 201210270605
(32) 31.07.2012
(33) China

(51) C22C 38/52
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/34

C22C 38/42
C22C 38/44
C22C 38/46
C22C 38/48
C22C 38/50
C21D 8/06
C21D 9/02
C21D 9/52
(11) EP3176282
(21) EP16175227.4
(47) 07.08.2019
(22) 20.06.2016
(54) ULTRA HIGH-STRENGTH SPRING STEEL
(73) Hyundai Motor Company
Hyundai Steel Company
(72) CHA, Sung Chul
BAN, Hyung Oh
HONG, Seung Hyun
PARK, Chul Woo
(31) 20150171896
(32) 04.12.2015
(33) Korea (Republic)

(51) C22F 1/05
C22C 21/02
C22C 21/08
(11) EP2449145
(21) EP10723562.4
(47) 07.08.2019
(87) EP2010057071
06.01.2011
(22) 21.05.2010
(54) AlMgSi-sheet for applications with high shaping requirements
(73) Hydro Aluminium Rolled Products GmbH
(72) BRINKMAN, Henk-Jan
SCHRÖDER, Dietmar
BRÜNGER, Eike
KARHAUSEN, Kai-Friedrich
WIRTZ, Thomas
(31) 09164221
(32) 30.06.2009
(33) European Patent Office (EPO)

(51) C22F 1/053
C22C 21/10
(11) EP3208361
(21) EP15850574.3
(47) 07.08.2019
(87) JP2015078932
21.04.2016
(22) 13.10.2015
(54) METHOD FOR PRODUCING ALUMINUM ALLOY MEMBER, AND ALUMINUM ALLOY MEMBER OBTAINED BY SAME
(73) Mitsubishi Heavy Industries, Ltd.
(72) INOUE, Akiko
TAKAHASHI, Takayuki
SATO, Hiroaki
(31) 2014212671
(32) 17.10.2014
(33) Japan

(51) C23C 2/06
C23C 2/02
C23C 2/16
C23C 2/28
C23C 2/40
(11) EP3239347
(21) EP15873690.0
(47) 07.08.2019
(87) KR2015014264
30.06.2016
(22) 24.12.2015
(54) ZINC ALLOY PLATED STEEL MATERIAL HAVING EXCELLENT WELDABILITY AND PROCESSED-PART CORROSION RESISTANCE AND METHOD OF MANUFACTURING SAME
(73) Posco
(72) OH, Min-Suk
KIM, Sang-Heon
KIM, Tae-Chul
KIM, Jong-Sang
YUN, Hyun-Chu
YOO, Bong-Hwan
SOHN, Il-Ryoung
(31) 20140188048
20140190124
(32) 24.12.2014
26.12.2014
(33) Korea (Republic)
Korea (Republic)

(51) C23C 4/04
C23C 30/00
(11) EP2964807
(21) EP13876883.3
(47) 07.08.2019
(87) US2013078180
12.09.2014
(22) 30.12.2013
(54) TURBINE ENGINE COMPONENT COMPRISING A LIGHTWEIGHT AND CORROSION RESISTANT ABRADABLE COATING
(73) United Technologies Corporation
(72) STROCK, Christopher, W
MALONEY, Michael, J
(31) 201361774047 P
(32) 07.03.2013
(33) United States of America

(51) C23C 14/06
F02F 5/00
F16C 33/12
F16J 9/26
C23C 16/02
F16C 33/06
(11) EP3318656
(21) EP17760035.0
(47) 07.08.2019
(87) JP2017007976
08.09.2017
(22) 28.02.2017
(54) SLIDING MEMBER AND PISTON RING
(73) Kabushiki Kaisha Riken
(72) MORONUKI, Masaki
(31) 2016042606
(32) 04.03.2016
(33) Japan

(51) C23C 14/34
C23C 14/06
C23C 14/08
C23C 14/10
F24S 70/20
F24S 70/30
(11) EP3368834
(21) EP16794431.3
(47) 07.08.2019
(87) IB2016056504
04.05.2017
(22) 28.10.2016
(54) METHOD FOR THE DEPOSITION OF FUNCTIONAL LAYERS SUITABLE FOR HEAT RECEIVER TUBES
(73) Rioglass Solar Systems Ltd.
(72) BARKAI, Menashe
(31) 15192258
(32) 30.10.2015
(33) European Patent Office (EPO)

(51) C23C 14/48
C23C 14/50
H01J 37/32
(11) EP2984203
(21) EP14721913.3
(47) 07.08.2019
(87) FR2014000079
16.10.2014
(22) 09.04.2014
(54) ION-IMPLANTATION MACHINE HAVING INCREASED PRODUCTIVITY
(73) Ion Beam Services
(72) TORREGROSA, Frank
ROUX, Laurent
(31) 1300845
(32) 11.04.2013
(33) France

(51) C23C 16/12
C23C 16/455
C23C 16/56
C23C 14/58
(11) EP3377672
(21) EP16809496.9
(47) 07.08.2019
(87) FR2016052956
26.05.2017
(22) 15.11.2016
(54) METHOD FOR PRODUCING ALUMINUM OXIDE AND/OR ALUMINUM NITRIDE
(73) Kobus SAS
(72) VITIELLO, Julien
DELCARRI, Jean-Luc
PIALLAT, Fabien
(31) 1560933
(32) 16.11.2015
(33) France

(51) C23C 16/40
C23C 16/515
C23C 16/54
H01J 37/32
H01L 51/00
C08J 7/00
(11) EP3234215
(21) EP15813515.2
(47) 07.08.2019
(87) GB2015053948
23.06.2016
(22) 14.12.2015
(54) METHOD FOR PREPARING TRANSPARENT SHEET MATERIALS
(73) Fujifilm Manufacturing Europe BV
(72) BOUWSTRA, Jan
DE VRIES, Hindrik
STAROSTINE, Serguei
(31) 201422800
(32) 19.12.2014
(33) United Kingdom

(51) C23C 16/455
C23C 16/458
(11) EP3158106
(21) EP15736667.5
(47) 07.08.2019
(87) NL2015050452
23.12.2015
(22) 19.06.2015
(54) METHOD AND APPARATUS FOR DEPOSITING ATOMIC LAYERS ON A SUBSTRATE
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) POODT, Paulus Willibrordus George
KNAAPEN, Raymond Jacobus Wilhelmus
(31) 14173327
(32) 20.06.2014
(33) European Patent Office (EPO)

(51) C23C 18/16
C23C 18/20
C23C 18/30
C23C 18/32
C23C 18/38
C23C 18/18
B29C 70/54
(11) EP2918704
(21) EP14000963.0
(47) 07.08.2019
(22) 14.03.2014
(54) Method for conditioning a component
(73) FRANZ Oberflächentechnik GmbH & Co KG
(72) Franz, Wolf-Dieter

(51) C23C 18/44
H01L 21/288
H05K 3/24
C23C 18/16
C23C 18/54
(11) EP3129526
(21) EP15714809.9
(47) 07.08.2019
(87) EP2015057488
15.10.2015
(22) 07.04.2015
(54) PLATING BATH COMPOSITION AND METHOD FOR ELECTROLESS PLATING OF PALLADIUM
(73) Atotech Deutschland GmbH
(72) SUCHENTRUNK, Christof
GRUMMT, Katharina
CRAMER, Julia
(31) 14164252
(32) 10.04.2014
(33) European Patent Office (EPO)

(51) C23C 22/00
B32B 15/04
B32B 15/18
C21D 9/46
C23C 22/22
H01F 1/18
C23C 22/74
(11) EP3239352
(21) EP15872972.3
(47) 07.08.2019
(87) JP2015085637
30.06.2016
(22) 21.12.2015
(54) ELECTRICAL STEEL SHEET
(73) Nippon Steel Corporation
(72) TAKAHASHI, Masaru
YAMAZAKI, Shuichi
TAKEDA, Kazutoshi
FUJII, Hiroyasu
(31) 2014266749
(32) 26.12.2014
(33) Japan

(51) C23C 22/43
B05D 3/10
C23C 2/06
C23C 2/28
C23C 22/12
C23C 22/34
C23C 22/36
C23C 22/50
C23C 22/53
C23C 22/56
C23C 22/68
(11) EP2458031
(21) EP10794208.8
(47) 07.08.2019
(87) JP2010061202
06.01.2011
(22) 30.06.2010
(54) CHROMIUM- AND FLUORINE-FREE CHEMICAL CONVERSION TREATMENT SOLUTION FOR METAL SURFACES, METAL SURFACE TREATMENT METHOD, AND METAL SURFACE COATING METHOD
(73) Henkel AG & Co. KGaA
(72) KODAMA Takahiro
NAGASHIMA Yasuhiko
KOBAYASHI Noriaki
(31) 2009157682
(32) 02.07.2009
(33) Japan

(51) C23C 22/74
(11) EP2862957
(21) EP14189269.5
(47) 07.08.2019
(22) 16.10.2014
(54) Process for producing a multilayer coating
(73) Coatings Foreign IP Co. LLC
(72) Wissing, Klaus
(31) 13188842
(32) 16.10.2013
(33) European Patent Office (EPO)

(51) C23C 24/08
C23C 28/02
F01D 5/28
(11) EP3277859
(21) EP16713369.3
(47) 07.08.2019
(87) EP2016056558
06.10.2016
(22) 24.03.2016
(54) DUAL ALLOY BLADE
(73) Siemens Aktiengesellschaft
(72) WALKER, Paul Mathew
(31) 15162153
(32) 01.04.2015
(33) European Patent Office (EPO)

(51) C23C 28/00
B05D 7/14
B05D 7/24
C23C 8/14
F16B 33/06
C23C 8/80
(11) EP3239357
(21) EP15872898.0
(47) 07.08.2019
(87) JP2015085378
30.06.2016
(22) 17.12.2015
(54) CLOCK SCREW AND METHOD FOR MANUFACTURING SAME
(73) CITIZEN WATCH CO., LTD.
(72) YAMAZAKI, Haruko
HIRAI, Yoshiro
(31) 2014261363
(32) 24.12.2014
(33) Japan

(51) C23C 28/04
C23C 16/02
C23C 16/40
C23C 16/56
(11) EP3234223
(21) EP15816443.4
(47) 07.08.2019
(87) EP2015080242
23.06.2016
(22) 17.12.2015
(54) CVD COATED CUTTING TOOL
(73) Sandvik Intellectual Property AB
(72) BJÖRMANDER, Carl
LINDAHL, Erik
ENGQVIST, Jan
(31) 14199221
(32) 19.12.2014
(33) European Patent Office (EPO)

(51) C23F 11/12
C23F 11/173
H01M 8/04
H02K 9/193
C09K 5/18
C09K 5/20
B23K 1/20
(11) EP1910587
(21) EP06773971.4
(47) 07.08.2019
(87) US2006024741
04.01.2007
(22) 26.06.2006
(54) METHOD FOR INHIBITING CORROSION IN BRAZED METAL SURFACES AND COOLANTS AND ADDITIVES FOR USE THEREIN
(73) Prestone Products Corporation
(72) YANG, Bo
WOYCIESJES, Peter, M.
GERSHUN, Aleksei, V.
MARINHO, Filipe, J.
(31) 693984 P
(32) 24.06.2005
(33) United States of America

(51) C23F 13/02
C23F 13/04
C23F 13/06
C25F 1/04
C23F 13/22
G01N 17/02
(11) EP2300638
(21) EP08767082.4
(47) 07.08.2019

(87) SE2008000409
30.12.2009
(22) 25.06.2008
(54) A MARINE SURFACE VESSEL AND A METHOD FOR A SACRIFICIAL ANODE IN A MARINE CONSTRUCTION
(73) AB Volvo Penta
(72) NELVIG, Carl
IGEDE, Petter

(51) C23F 13/04
C23F 13/22
F16L 58/00
(11) EP3158108
(21) EP15738514.7
(47) 07.08.2019
(87) US2015036337
23.12.2015
(22) 18.06.2015
(54) CATHODIC PROTECTION MANAGEMENT SYSTEM
(73) Sensus Spectrum LLC
(72) ATKINS, Christopher M.
SCHIRM, Jacob P.
SHAY, Kevin M.
(31) 201462013580 P
(32) 18.06.2014
(33) United States of America

(51) C23F 13/06
C23F 13/16
C23F 13/20
(11) EP3347507
(21) EP16769903.2
(47) 07.08.2019
(87) EP2016071458
16.03.2017
(22) 12.09.2016
(54) METHOD FOR LAYING AN ANODE SYSTEM FOR CATHODIC CORROSION PROTECTION
(73) Koch, Detlef
(72) KOCH, Detlef
MAHJOORI, Majid
(31) 102015115297
(32) 10.09.2015
(33) Germany

(51) C25B 1/02
C25B 3/04
C01B 3/00
C07C 5/32
C25B 3/02
C25B 15/00
(11) EP3260577
(21) EP17173923.8
(47) 07.08.2019
(22) 01.06.2017
(54) DESORBING PROCESS AND HYDROGEN-SUPPLYING SOLUTION
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) KANOU, Manabu
NAKATA, Yuki
ZENITANI, YUJI
NAM, Hyunjeong
BADAR, Saifullah
(31) 2016121430
2017010454
(32) 20.06.2016
24.01.2017
(33) Japan
Japan

(51) C25B 1/06
C25B 11/03
C25B 11/04
C25B 1/02
C25B 9/04
C25B 9/06
C25B 9/18
(11) EP2812464
(21) EP13716386.1
(47) 07.08.2019
(87) IB2013051109
15.08.2013
(22) 11.02.2013
(54) METHOD AND APPARATUS FOR PRODUCING GAS
(73) Hydrox Holdings Limited
(72) ANAGNOSTOPOULOS, George
(31) 201200696
(32) 10.02.2012
(33) South Africa

(51) C25D 7/06
C25D 9/10
C25D 9/08
(11) EP3146092
(21) EP15726900.2
(47) 07.08.2019
(87) EP2015061332
26.11.2015
(22) 21.05.2015
(54) METHOD FOR PLATING A MOVING METAL STRIP
(73) Tata Steel IJmuiden BV
(72) WIJENBERG, Jacques Hubert Olga Joseph
LINK, Jeroen Martijn
(31) 14169312
(32) 21.05.2014
(33) European Patent Office (EPO)

(51) C25D 21/14
C25D 3/56
C25D 3/58
C25D 17/00
C25D 21/06
C25D 21/12
C25D 21/10
C22C 9/06
C22C 19/00
C22C 19/03
C25D 5/08
(11) EP3208364
(21) EP15849917.8
(47) 07.08.2019
(87) JP2015068332
21.04.2016
(22) 25.06.2015
(54) COPPER-NICKEL ALLOY ELECTROPLATING DEVICE
(73) Dipsol Chemicals Co., Ltd.
(72) SAKURAI Hitoshi
ONO Kazunori
HASHIMOTO Akira
YUASA Satoshi
(31) 2014212524
(32) 17.10.2014
(33) Japan

(51) C25D 21/22
C25D 17/00
C25D 17/12
C25D 3/22
C25D 3/56
C25D 17/10
(11) EP3274489
(21) EP16711218.4
(47) 07.08.2019
(87) EP2016055690
29.09.2016
(22) 16.03.2016
(54) TWO-CHAMBER ELECTRODIALYSIS CELL WITH ANION AND CATION EXCHANGE MEMBRANE FOR USE AS AN ANODE IN ALKALINE ZINC ELECTROLYTES AND ZINC ALLOY ELECTROLYTES FOR THE PURPOSE OF DEPOSITION OF METAL IN ELECTROPLATING SYSTEMS
(73) Coventya International GmbH
(72) TRENKNER, Hartmut
(31) 202015002289 U
102015009379
(32) 25.03.2015
18.07.2015
(33) Germany
Germany

(51) C30B 29/06
C03B 20/00
C03C 19/00
(11) EP3176289
(21) EP15827320.1
(47) 07.08.2019
(87) JP2015002753
04.02.2016
(22) 01.06.2015
(54) METHOD FOR PRODUCING A QUARTZ GLASS CRUCIBLE FOR SINGLE CRYSTAL SILICON PULLING
(73) Shin-Etsu Quartz Products Co.,Ltd.
(72) BABA, Yuji
(31) 2014155716
(32) 31.07.2014
(33) Japan

(51) C40B 50/06
C12Q 1/68
C12N 15/10
C12N 15/66
(11) EP3192901
(21) EP14901602.4
(47) 07.08.2019
(87) CN2014092294
17.03.2016
(22) 26.11.2014
(54) METHOD FOR CONSTRUCTING NUCLEIC ACID SINGLE-STRANDED CYCLIC LIBRARY AND REAGENTS THEREOF
(73) MGI Tech Co., Ltd.
(72) GENG, Chunyu
CHEN, Ruoying
JIANG, Yuan
ZHAO, Xia
GUO, Rongrong
HE, Lingyu
LI, Yaqiao
ZHANG, Wenwei
JIANG, Hui
DRMANAC, Radoje

(31) PCT/CN2014/086421
(32) 12.09.2014
(33) World Intellectual Property Office (WIPO)

(51) D01D 1/06
D01F 1/10
B29C 64/314
C08J 3/20
(11) EP3126554
(21) EP15776513.2
(47) 07.08.2019
(87) US2015024949
15.10.2015
(22) 08.04.2015
(54) SYSTEMS AND METHODS FOR PRODUCING MATERIALS SUITABLE FOR ADDITIVE MANUFACTURING USING A HYDRODYNAMIC CAVITATION APPARATUS
(73) Applied Cavitation Inc.
(72) CAPOBIANCO, Joseph Albert
HANKEY, Dana Lynn
TIBBETTS, Marshall Campion
(31) 201461976506 P
(32) 08.04.2014
(33) United States of America

(51) D01D 1/09
D01D 4/06
B05B 1/14
B05B 5/025
D01D 1/06
B05B 1/20
D01D 4/02
D01D 5/00
(11) EP3225722
(21) EP15862295.1
(47) 07.08.2019
(87) ES2015070845
02.06.2016
(22) 24.11.2015
(54) NOZZLE WITH MULTIPLE OUTLETS
(73) Consejo Superior de Investigaciones Cientificas (CSIC)
(72) LAGARÓN CABELLO, José María
CHALCO SANDOVAL, Wilson Rolando
FABRA ROVIRA, María José
LÓPEZ RUBIO, Amparo
(31) 201431738
(32) 24.11.2014
(33) Spain

(51) D01D 5/06
C08B 37/08
D01F 9/00
A61L 27/20
(11) EP2925916
(21) EP13826919.6
(47) 07.08.2019
(87) CZ2013000158
05.06.2014
(22) 26.11.2013
(54) FIBRES BASED ON HYDROPHOBIZED DERIVATIVES OF HYALURONAN, METHOD OF THEIR PREPARATION AND USE, TEXTILES ON BASE THEREOF AND USE THEREOF
(73) Contipro a.s.
(72) SCUDLOVA, Jolana
BETAK, Jiri
WOLFOVA, Lucie
BUFFA, Radovan
SLEZINGROVA, Klara
KLEIN, Pavel
MATEJKOVA, Ilona
BOBEK, Martin
PITUCHA, Tomas
VELEBNY, Vladimir
SULAKOVA, Romana
(31) 20120841
(32) 27.11.2012
(33) Czech Republic

(51) D01F 1/10
C11D 17/04
(11) EP2588654
(21) EP11734218.8
(47) 07.08.2019
(87) US2011042644
05.01.2012
(22) 30.06.2011
(54) NONWOVEN WEB COMPRISING ONE OR MORE ACTIVE AGENTS
(73) The Procter & Gamble Company
(72) GORDON, Gregory, Charles
DENOME, Frank, William
HAMAD-EBRAHIMPOUR, Alyssandrea, Hope
SIVIK, Mark, Robert
TROKHAN, Paul, Dennis
HODSON, Stephen, Joseph
CROLL, Brian, Patrick
MICHAEL, John, Gerhard
DREHER, Andreas, Josef
(31) 361146 P
361129 P
361126 P
(32) 02.07.2010
02.07.2010
02.07.2010
(33) United States of America
United States of America
United States of America

(51) D01G 15/88
D01G 15/46
(11) EP3097223
(21) EP15700979.6
(47) 07.08.2019
(87) EP2015050407
30.07.2015
(22) 12.01.2015
(54) CARD WIRE, AN APPARATUS COMPRISING A CONDENSER ROLLER WHICH IS COVERED WITH SAID CARD WIRE AND METHOD OF OPERATING SAID APPARATUS
(73) Groz-Beckert KG
(72) ZHANG, Yuning
(31) 14152310
(32) 23.01.2014
(33) European Patent Office (EPO)

(51) D01G 25/00
D04H 1/732
(11) EP3260583
(21) EP17171977.6
(47) 07.08.2019
(22) 19.05.2017
(54) WEB FORMING MACHINE
(73) Hergeth, Hubert
(72) Hergeth, Hubert
(31) 102016006072
(32) 19.05.2016
(33) Germany

(51) D01H 1/115
(11) EP3115485
(21) EP16172580.9
(47) 07.08.2019
(22) 02.06.2016
(54) NOZZLE BLOCK, PNEUMATIC SPINNING DEVICE, AND SPINNING MACHINE
(73) Murata Machinery, Ltd.
(72) MORITA, Akihiro
(31) 2015134968
(32) 06.07.2015
(33) Japan

(51) D01H 1/20
D01H 4/42
D01H 13/22
(11) EP3112507
(21) EP16175295.1
(47) 07.08.2019
(22) 20.06.2016
(54) SPINNING STATION OF A SPINNING MACHINE, SPINNING MACHINE AND METHOD FOR OPERATING A SPINNING STATION
(73) Rieter Ingolstadt GmbH
(72) STEPHAN, Adalbert
PILAR, Evzen
KUCERA, Pavel
POZNIK, Petr
(31) 102015110486
(32) 30.06.2015
(33) Germany

(51) D01H 4/40
(11) EP3371352
(21) EP16790339.2
(47) 07.08.2019
(87) EP2016076322
11.05.2017
(22) 02.11.2016
(54) THREAD DRAW-OFF NOZZLE
(73) Maschinenfabrik Rieter AG
(72) BASTING, Michael
BAUR, Günter
(31) 102015119114
(32) 06.11.2015
(33) Germany

(51) D01H 4/40
D01H 7/90
(11) EP2947187
(21) EP15168098.0
(47) 07.08.2019
(22) 19.05.2015
(54) FALSE TWIST DEVICE FOR AN OPEN-END SPINNING DEVICE
(73) MASCHINENFABRIK RIETER AG
(72) Stahlecker, Gerd
Krohmer, Siegfried
Baur, Günter
Basting, Michael
(31) 102014107181
(32) 21.05.2014
(33) Germany

(51) D01H 5/36
D02G 3/34

(11) EP3128054
(21) EP15773751.1
(47) 07.08.2019
(87) JP2015056554
08.10.2015
(22) 05.03.2015
(54) DRAFT DEVICE OF SPINNING MACHINE, AND CONTROL METHOD THEREFOR
(73) Kabushiki Kaisha Toyota Jidoshokki
(72) TSUCHIDA, Daisuke
KOJIMA, Naoki
(31) 2014076820
(32) 03.04.2014
(33) Japan

(51) D02G 3/00
(11) EP1984178
(21) EP07797096.0
(47) 07.08.2019
(87) US2007061081
15.11.2007
(22) 25.01.2007
(54) COATED ARTICLES FORMED OF MICROCAPSULES WITH REACTIVE FUNCTIONAL GROUPS
(73) Outlast Technologies, LLC
(72) HARTMANN, Mark, H.
DOLAN, Jennifer, Gail
EYAL, Aharon
(31) 342279
(32) 26.01.2006
(33) United States of America

(51) D03C 9/02
B21F 45/08
(11) EP3067448
(21) EP16165424.9
(47) 07.08.2019
(22) 28.03.2011
(54) METHOD FOR THE PRODUCTION OF A HEALD
(73) Groz-Beckert KG
(72) Großmann, Rainer
Gusenko, Mario
Münster, Bernhard
Fäller, Armin
Gerth, Christian

(51) D03D 13/00
(11) EP3305954
(21) EP17193712.1
(47) 07.08.2019
(22) 28.09.2017
(54) MANUFACTURING METHOD OF REFRIGERANT FABRIC AND REFRIGERANT FABRIC MANUFACTURED BY THE METHOD
(73) Sejong TF Inc.
(72) GANG, Seok Man
(31) 20160129450
(32) 07.10.2016
(33) Korea (Republic)

(51) D03D 47/27
D03D 51/08
(11) EP3106555
(21) EP16173466.0
(47) 07.08.2019
(22) 08.06.2016
(54) GRIPPER WEAVING LOOM WITH A PNEUMATIC DEVICE FOR THE REMOVAL OF WRONG WEFTS FROM THE GRIPPER PATH AND METHOD
(73) ITEMA S.p.A.
(72) RABOLINI, Fabio
POLETTI, Diego
NAVA, Roberto
GUERINONI, Walter
(31) UB20151437
(32) 16.06.2015
(33) Italy

(51) D03D 51/00
(11) EP3256628
(21) EP16703979.1
(47) 07.08.2019
(87) EP2016052923
18.08.2016
(22) 11.02.2016
(54) STARTING METHOD FOR A WEAVING MACHINE
(73) Lindauer Dornier Gesellschaft mit beschränkter Haftung
(72) LEHMANN, Michael
(31) 102015102029
(32) 12.02.2015
(33) Germany

(51) D04B 1/14
D04B 1/04
D06P 3/82
D06C 11/00
D06C 7/02
(11) EP3109353
(21) EP15748772.9
(47) 07.08.2019
(87) CN2015070619
20.08.2015
(22) 13.01.2015
(54) MOISTURE-ABSORBING HEAT-GENERATING QUICK-DRYING MOISTURE-RETAINING THERMAL FABRIC AND MANUFACTURING METHOD THEREOF
(73) Wuhan Love God High-Level Dress&Adornments Co. Ltd
(72) ZHOU, Yongmin
HU, Ping
ZHANG, Jianwu
(31) 201410052915
(32) 17.02.2014
(33) China

(51) D04B 1/26
D06P 3/82
D04B 1/12
(11) EP3333290
(21) EP16203206.4
(47) 07.08.2019
(22) 09.12.2016
(54) KNIT COMPRESSION FABRIC, COMPRESSION GARMENT, PROCESS FOR DYEING A KNIT COMPRESSION FABRIC AND A METHOD FOR MANUFACTURING A COLOURED KNIT COMPRESSION FABRIC
(73) medi GmbH & Co. KG
(72) Hoffeins, Peter
Bauer, Jochen

(51) D04B 15/48
(11) EP2859140
(21) EP13728167.1
(47) 07.08.2019
(87) EP2013061828
12.12.2013
(22) 07.06.2013
(54) THREAD DELIVERY DEVICE
(73) Memminger-IRO GmbH
(72) GROSCH, Uwe, Martin
HORVARTH, Attila
WOERNER, Christopf
(31) 102012104976
(32) 08.06.2012
(33) Germany

(51) D04B 27/06
(11) EP3354782
(21) EP17153009.0
(47) 07.08.2019
(22) 25.01.2017
(54) KNITTING ELEMENT BLOCK AND METHOD FOR MOUNTING OF KNITTING ELEMENTS
(73) Karl Mayer Textilmaschinenfabrik GmbH
(72) GRUNDMANN, Tim
SCHORLEMMER, Martin

(51) D04B 37/02
B65D 85/24
(11) EP2671821
(21) EP12171347.3
(47) 07.08.2019
(22) 08.06.2012
(54) Packaging for ordered, aligned storage of objects and method for producing same
(73) Groz-Beckert KG
(72) Bach, Elmar
Müller, Florian
Stingel, Uwe

(51) D04H 1/4218
D04H 1/4226
D04H 1/58
G01N 33/36
B29C 67/24
(11) EP3240922
(21) EP15830820.5
(47) 07.08.2019
(87) FR2015053685
07.07.2016
(22) 21.12.2015
(54) METHOD FOR MEASURING INSIDE A BATT OF MINERAL OR PLANT FIBRES
(73) Saint-Gobain Isover
(72) PELINI, Claire
ZOWADA, Artur
ASENSIO BAZTERRA, Francisco Javier
(31) 1463391
(32) 29.12.2014
(33) France

(51) D04H 1/4242
B29B 11/16
D04H 1/43
D04H 1/46
D04H 1/492
D04H 1/498
D04H 3/11
D04H 18/00
F16D 69/02
(11) EP3312326
(21) EP17207987.3
(47) 07.08.2019
(22) 24.03.2016

(54) SYSTEM AND METHOD FOR MULTIPLE SURFACE AIR JET NEEDLING
(73) Goodrich Corporation
(72) LINCK, John
(31) 201514671492
(32) 27.03.2015
(33) United States of America

(51) D04H 1/4291
C08L 23/12
D04H 1/544
D04H 1/56
D04H 3/007
D04H 3/16
D01D 5/098
D01F 6/46
(11) EP3255188
(21) EP16173182.3
(47) 07.08.2019
(22) 06.06.2016
(54) MELT BLOWN WEB WITH GOOD WATER BARRIER PROPERTIES
(73) Borealis AG
(72) WANG, Jingbo
FIEBIG, Joachim
VAN PARIDON, Henk
GAHLEITNER, Markus
DOSHEV, Petar
GRESTENBERGER, Georg
TYNS, Antti

(51) D04H 1/558
D04H 3/147
B30B 5/06
B30B 15/34
(11) EP3382080
(21) EP17163369.6
(47) 07.08.2019
(22) 28.03.2017
(54) METHOD AND DEVICE FOR PRODUCING A NON-WOVEN FABRIC FROM FIBRES
(73) Reifenhäuser GmbH & Co. KG Maschinenfabrik
Mann+Hummel GmbH
(72) CINQUEMANI, Claudio
FREY, Detlef
ORENDT, Stefan
PEMSEL, Thomas

(51) D04H 3/002
D04H 3/11
D04H 18/04
F16D 55/00
F16D 65/00
(11) EP3222765
(21) EP17159553.1
(47) 07.08.2019
(22) 07.03.2017
(54) SYSTEM AND METHOD FOR MULTIPLE SURFACE WATER JET NEEDLING
(73) Goodrich Corporation
(72) KIRKPATRICK, Christopher T.
(31) 201615077585
(32) 22.03.2016
(33) United States of America

(51) D04H 3/02
F16J 15/02
D01D 13/02
(11) EP3382082
(21) EP17164368.7
(47) 07.08.2019
(22) 31.03.2017
(54) DEVICE FOR THE MANUFACTURE OF WOVEN MATERIAL FROM CONTINUOUS FILAMENTS
(73) Reifenhäuser GmbH & Co. KG Maschinenfabrik
(72) Frey, Detlef
Neuenhofer, Martin
Sommer, Sebastian

(51) D06F 23/06
D06F 25/00
D06F 37/22
D06F 39/12
D06F 37/20
D06F 37/26
(11) EP2435611
(21) EP10780806.5
(47) 07.08.2019
(87) KR2010003379
02.12.2010
(22) 27.05.2010
(54) LAUNDRY MACHINE
(73) LG Electronics Inc.
(72) KWON, Ig Geun
KIM, Soo Bong
(31) 20090047192
20090079909
20100046458
(32) 28.05.2009
27.08.2009
18.05.2010
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) D06F 33/02
D06F 35/00
(11) EP2930261
(21) EP15161681.0
(47) 07.08.2019
(22) 30.03.2015
(54) METHOD FOR OPERATING A WASHING MACHINE AND WASHING MACHINE
(73) Miele & Cie. KG
(72) Drücker, Markus
Vonberg, Andrej
Dummeier, Patrick
Zinkann, Peter
Sieding, Dirk
(31) 102014105026
(32) 09.04.2014
(33) Germany

(51) D06F 33/02
D06F 58/28
(11) EP3257996
(21) EP16174134.3
(47) 07.08.2019
(22) 13.06.2016
(54) METHOD FOR OPERATING A LAUNDRY TREATMENT APPLIANCE AND LAUNDRY TREATMENT APPLIANCE
(73) Electrolux Appliances Aktiebolag
(72) DE BERNARDO, Andrea
ALTINIER, Fabio
CORSO, Lorenzo
GIROTTO, Terenzio
STOCCO, Piero

(51) D06F 33/02
G06F 13/00
H04L 12/28
(11) EP2860296
(21) EP13804269.2
(47) 07.08.2019
(87) JP2013003642
19.12.2013
(22) 11.06.2013
(54) WASHING MACHINE SYSTEM
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) YAGI, Tomotaka
KONDOU, Shinji
HAGIWARA, Hisashi
(31) 2012132458
(32) 12.06.2012
(33) Japan

(51) D06F 37/10
D06F 37/28
D06F 39/14
D06F 37/22
(11) EP3272925
(21) EP15886599.8
(47) 07.08.2019
(87) KR2015013846
29.09.2016
(22) 17.12.2015
(54) WASHING MACHINE
(73) LG Electronics Inc.
(72) JO, Mingyu
PARK, Seungchul
KIM, Dongwon
(31) 20150038752
20150038753
(32) 20.03.2015
20.03.2015
(33) Korea (Republic)
Korea (Republic)

(51) D06F 37/42
D06F 39/14
D06F 37/10
D06F 37/28
E05B 47/00
(11) EP3299508
(21) EP17753410.4
(47) 07.08.2019
(87) KR2017001383
24.08.2017
(22) 08.02.2017
(54) DOOR LOCKING DEVICE AND WASHING MACHINE HAVING SAME
(73) Samsung Electronics Co., Ltd.
(72) KIM, Ju-Yeong
PARK, Nam Soo
LEE, Jea Won
LIM, Hyeon Kyu
BACK, Dong-il
CHOI, Jun-young
(31) 20160019130
(32) 18.02.2016
(33) Korea (Republic)

(51) D06F 39/00
A47L 15/42
F24C 7/08
(11) EP3227488
(21) EP15771147.4
(47) 07.08.2019

(87) EP2015072573
09.06.2016
(22) 30.09.2015
(54) A HOUSEHOLD APPLIANCE OPERATED IN ENCRYPTED MODE
(73) Arçelik Anonim Sirketi
(72) AMAC, Hakan
(31) 201414501
(32) 02.12.2014
(33) Turkey

(51) D06F 39/00
D06F 33/02
H04L 12/28
(11) EP3348699
(21) EP17208883.3
(47) 07.08.2019
(22) 20.12.2017
(54) HOUSEHOLD APPLIANCE WITH IMPROVED CONTROL, METHOD FOR OPERATING THE SAME, AND SYSTEM COMPRISING SAID HOUSEHOLD APPLIANCE
(73) BSH Hausgeräte GmbH
(72) Fuchs, Constanze
Gérard, Nina
(31) 102017200512
(32) 13.01.2017
(33) Germany

(51) D06F 39/00
D06F 39/02
(11) EP3066250
(21) EP14789823.3
(47) 07.08.2019
(87) EP2014072879
07.05.2015
(22) 24.10.2014
(54) A WASHER COMPRISING A CLEANING AGENT DISPENSER
(73) Arçelik Anonim Sirketi
(72) AYTEN, Serdar
KURTKAYA, Kagan
CORCHES, Florin Horea
TATAR, Hakan
KACAR, Arda
(31) 201312725
(32) 04.11.2013
(33) Turkey

(51) D06F 39/00
D06F 39/12
(11) EP2788538
(21) EP12805650.4
(47) 07.08.2019
(87) EP2012074605
13.06.2013
(22) 06.12.2012
(54) WASHING MACHINE
(73) BSH Hausgeräte GmbH
(72) GAO, Jingwei
YE, Jiandong
ZHONG, Afang
ZHU, Yanglei
(31) 201120503287 U
(32) 07.12.2011
(33) China

(51) D06F 39/00
D06F 39/12
D06F 58/20
(11) EP2811061
(21) EP14170780.2
(47) 07.08.2019
(22) 02.06.2014
(54) Laundry treating apparatus with control panel
(73) LG ELECTRONICS INC.
(72) Han, Jonghee
Yang, Jinho
Seong, Jaeseok
You, Jungsang
Choi, Jaehoon
Ha, Youngsoo
Lee, Kyungah
(31) 20130064077
20140046922
(32) 04.06.2013
18.04.2014
(33) Korea (Republic)
Korea (Republic)

(51) D06F 58/04
D06F 58/22
D06F 58/28
(11) EP2813615
(21) EP14171337.0
(47) 07.08.2019
(22) 05.06.2014
(54) Dryer with lint filter unit and monitoring device with guide devices
(73) BSH Hausgeräte GmbH
(72) Ediger, Rainer
Simon, Marcus
(31) 102013211023
(32) 13.06.2013
(33) Germany

(51) D06F 58/06
D06F 58/08
D06F 58/20
(11) EP3351677
(21) EP18152906.6
(47) 07.08.2019
(22) 23.01.2018
(54) LAUNDRY TREATMENT APPARATUS
(73) LG Electronics Inc.
(72) NAM, Hyunsu
KANG, Incheol
(31) 20170010919 P
(32) 24.01.2017
(33) Korea (Republic)

(51) D06F 58/22
(11) EP3272934
(21) EP17178187.5
(47) 07.08.2019
(22) 27.06.2017
(54) FILTER INSERT AND DEVICE FOR TREATING LAUNDRY
(73) BSH Hausgeräte GmbH
(72) Belitz, Johannes
Wuttge, Oliver
(31) 102016213321
(32) 21.07.2016
(33) Germany

(51) D06F 58/22
D06F 58/24
(11) EP3263759
(21) EP17176873.2
(47) 07.08.2019
(22) 20.06.2017
(54) FLUFF COLLECTION AND HANDLING
(73) BSH Hausgeräte GmbH
(72) Chen, Lijun
Lu, Fei
Xu, Yonggang
Zhang, Qi
Zhang, Xiuhua
(31) 201610510813
(32) 01.07.2016
(33) China

(51) D06F 58/24
(11) EP2881514
(21) EP14192758.2
(47) 07.08.2019
(22) 12.11.2014
(54) Household appliances such as a laundry dryer, a dishwasher or a washer-dryer having a heat pump unit
(73) Miele & Cie. KG
(72) Schiwy, Frank
Kruschinski, Christof
Grawe, Patrick
Drösler, Rainer
Zmuda, Adriana
(31) 102013113506
(32) 05.12.2013
(33) Germany

(51) D06F 58/28
(11) EP3255204
(21) EP17175016.9
(47) 07.08.2019
(22) 08.06.2017
(54) METHOD FOR DETERMINING THE RESIDUAL MOISTURE IN A CONDENSATION DRYER AND CONDENSATION DRYER FOR THE SAME
(73) BSH Hausgeräte GmbH
(72) Harbach, Alvaro
Stolze, Andreas
(31) 102016210265
(32) 10.06.2016
(33) Germany

(51) D06F 75/18
D06F 73/00
F01K 5/02
D06F 79/02
D06F 75/40
(11) EP3014014
(21) EP14752389.8
(47) 07.08.2019
(87) IB2014062647
31.12.2014
(22) 27.06.2014
(54) A STEAMING DEVICE
(73) Koninklijke Philips N.V.
(72) LEE, Kean Hao Raymond
CHING, Boon Khian
CHUA, Hee Keng
JIANG, Yong
(31) 201361840880 P
(32) 28.06.2013
(33) United States of America

(51) D06M 10/00
D06M 10/02
D06M 10/06
D06M 10/08
D06M 11/42
D06M 11/44
D06M 16/00

D06B 3/04
D06B 3/10
D06B 13/00
D06B 19/00
D06B 21/00
(11) EP3227490
(21) EP15808444.2
(47) 07.08.2019
(87) GB2015053701
09.06.2016
(22) 03.12.2015
(54) METHOD FOR PRODUCING ANTIMICROBIAL YARNS AND FABRICS BY NANOPARTICLE IMPREGNATION
(73) McClory, Paul G.
(72) VINATORU, Mircea
MASON, Timothy James
BEDDOW, Jamie Anthony
(31) 201421497
(32) 03.12.2014
(33) United Kingdom

(51) D06M 11/00
D06M 11/77
D06M 15/277
D06M 15/576
D06M 23/06
D06N 7/00
D06M 101/34
D06M 23/08
D06M 13/428
(11) EP2510074
(21) EP10836752.5
(47) 07.08.2019
(87) US2010059888
16.06.2011
(22) 10.12.2010
(54) USE OF SOIL REPELLENCY AQUEOUS DISPERSIONS, SOIL REPELLANT SOFT ARTICLES, AND METHODS OF MAKING THE SAME
(73) INVISTA Textiles (U.K.) Limited
(72) IVERSON, Isaac, Keene
RUDAT, Martin, August
(31) 285425 P
(32) 10.12.2009
(33) United States of America

(51) D06M 15/11
C08J 5/24
D06M 13/11
D06M 13/17
D06M 15/53
D06M 101/40
C08J 5/06
(11) EP3118370
(21) EP15760771.4
(47) 07.08.2019
(87) JP2015056330
17.09.2015
(22) 04.03.2015
(54) SIZING AGENT-COATED REINFORCING FIBERS, METHOD FOR PRODUCING SIZING AGENT-COATED REINFORCING FIBERS, PREPREG, AND FIBER-REINFORCED COMPOSITE MATERIAL
(73) Toray Industries, Inc.
(72) HIASA, Takumi
KOBAYASHI, Daigo
ICHIKAWA, Tomoko
ENDO, Makoto
(31) 2014048509
(32) 12.03.2014
(33) Japan

(51) D06M 15/227
C08J 5/06
D06M 13/17
D06M 13/224
D06M 15/263
D06M 15/347
D06M 15/53
D06M 15/564
C08J 5/24
C08K 7/06
B29B 15/12
C08J 5/04
C08K 9/04
(11) EP3115503
(21) EP15757853.5
(47) 07.08.2019
(87) JP2015056485
11.09.2015
(22) 05.03.2015
(54) CARBON FIBER BUNDLE FOR RESIN REINFORCEMENT AND METHOD FOR MANUFACTURING CARBON FIBER BUNDLE FOR RESIN REINFORCEMENT, CARBON FIBER-REINFORCED THERMOPLASTIC RESIN COMPOSITION, AND MOLDED BODY
(73) Mitsubishi Chemical Corporation
(72) OHTANI Tadashi
TAKAHASHI Atsushi
FUJITA Saki
HARADA Akira
(31) 2014043336
(32) 05.03.2014
(33) Japan

(51) D06M 16/00
A01N 65/00
D06M 13/352
D06L 1/12
D06P 1/00
A01N 45/00
A01N 65/26
A01N 43/90
A01N 43/12
(11) EP2976457
(21) EP13767125.1
(47) 07.08.2019
(87) IN2013000295
25.09.2014
(22) 03.05.2013
(54) TEXTILE PRODUCTS WITH HERBAL COMPOSITION TO RENDER THE FABRICS INSECTS REPELLENT
(73) Syntis Textile Private Limited
(72) SINGH, Kamal Nayan
GALGALI, Mukund Rangrao
(31) 971MU2013
(32) 21.03.2013
(33) India

(51) D06N 7/00
D06M 15/564
D06N 3/00
D06M 11/05
D06M 15/333
D06N 3/14
D06C 11/00
(11) EP2896741
(21) EP13836539.0
(47) 07.08.2019
(87) JP2013074833
20.03.2014
(22) 13.09.2013
(54) PROCESS FOR MANUFACTURING A LEATHER-LIKE NONWOVEN FABRIC
(73) Toray Industries, Inc.
(72) KOIDE, Gen
NAKAI, Shunichiro
YANAGISAWA, Satoshi
NISHIMURA, Makoto
TSUCHIMOTO, Takahiro
(31) 2012203305
2012203441
2012203547
2012203603
(32) 14.09.2012
14.09.2012
14.09.2012
14.09.2012
(33) Japan
Japan
Japan
Japan

(51) D06P 5/20
(11) EP3255205
(21) EP16173652.5
(47) 07.08.2019
(22) 09.06.2016
(54) METHOD AND DEVICE FOR PRETREATING A TEXTILE TO BE PRINTED
(73) Schiestl, Angelo
(72) SCHIESTL, Angelo

(51) D07B 1/22
D07B 1/18
B66B 7/06
(11) EP3099854
(21) EP15700988.7
(47) 07.08.2019
(87) EP2015050652
06.08.2015
(22) 15.01.2015
(54) ROPE ASSEMBLY
(73) Teufelberger Fiber Rope GmbH
(72) KIRTH, Rudolf
RÜHRNÖSSL, Erich
SCHIEMER, Susanna
ERNST, Björn
(31) 500612014
(32) 30.01.2014
(33) Austria

(51) D21C 3/18
C02F 1/50
C04B 18/24
D21C 3/20
D06M 16/00
D21H 17/11
D21H 21/04
D21H 21/36
A01N 59/00
C02F 1/76
C02F 3/28
D21C 11/00

C02F 101/10
C02F 103/28
(11) EP2855766
(21) EP13728914.6
(47) 07.08.2019
(87) US2013043962
12.12.2013
(22) 04.06.2013
(54) METHODS OF PRESERVING STARCH IN PULP
(73) Buckman Laboratories International, Inc
(72) VAN HAUTE, Eddie
(31) 201261655678 P
(32) 05.06.2012
(33) United States of America

(51) D21H 11/12
D21H 11/00
D21H 13/30
D21H 13/32
B65D 65/38
D21H 17/28
D21H 17/36
D21H 27/10
(11) EP2900869
(21) EP13842775.2
(47) 07.08.2019
(87) IB2013058466
03.04.2014
(22) 11.09.2013
(54) HYBRID FIBER COMPOSITIONS AND USES IN CONTAINERBOARD PACKAGING
(73) Kimberly-Clark Worldwide, Inc.
(72) SHI, Bo
MLEZIVA, Mark, M.
THOMPSON, Brent, M.
ZELENAK, Robert, J.
(31) 201213631183
(32) 28.09.2012
(33) United States of America

(51) D21H 13/40
D21F 11/00
D21H 17/20
(11) EP3224411
(21) EP15820196.2
(47) 07.08.2019
(87) FI2015050811
02.06.2016
(22) 20.11.2015
(54) FIBER SHEETS AND STRUCTURES COMPRISING FIBER SHEETS
(73) Paptic Ltd
(72) TORNIAINEN, Esa
MUSTONEN, Tuomas
KINNUNEN-RAUDASKOSKI, Karita
HJELT, Tuomo
(31) 20146033
(32) 24.11.2014
(33) Finland

(51) D21H 17/67
D21H 19/38
D21H 21/52
(11) EP3252229
(21) EP16172231.9
(47) 07.08.2019
(22) 31.05.2016
(54) PAPER CONTAINING SCALENOEDRIC PRECIPITATED CALCIUM CARBONATE (S PCC)
(73) Papierfabrik August Koehler SE
(72) BOSCHERT, Michael
BAUCH, René
HOFMANN, Anja
FOLLMANN, Heinrich

(51) D21H 27/00
A24D 1/02
(11) EP3199702
(21) EP14907283.7
(47) 07.08.2019
(87) JP2014081889
09.06.2016
(22) 02.12.2014
(54) CIGARETTE WRAPPING PAPER, AND A PAPER-WRAPPED CIGARETTE USING SAID CIGARETTE WRAPPING PAPER
(73) Japan Tobacco Inc.
(72) SAKURAI, Toru
KITAOKA, Ryu
YOSHIMURA, Tetsuya

(51) D21H 27/30
B32B 29/00
D21H 11/02
D21H 11/08
D21H 27/38
(11) EP3080354
(21) EP14869474.8
(47) 07.08.2019
(87) IB2014066851
18.06.2015
(22) 12.12.2014
(54) MULTIPLY PAPERBOARD
(73) Stora Enso Oyj
(72) PENG, Frank
MOBERG, Anders
(31) 201361915953 P
(32) 13.12.2013
(33) United States of America

(51) D21H 27/30
D21H 25/02
D21H 23/50
D21H 11/14
D21H 19/42
D21H 21/30
(11) EP3045587
(21) EP14842864.2
(47) 07.08.2019
(87) CN2014085847
12.03.2015
(22) 03.09.2014
(54) REUSABLE WATER WRITING PAPER AND PREPARATION METHOD THEREOF
(73) Jilin University
(72) ZHANG, Sean Xiao-An
SHENG, Lan
LI, Minjie
(31) 201310405782
201310410903
(32) 09.09.2013
11.09.2013
(33) China
China

(51) E01B 5/16
E01B 9/00
E01B 26/00
B61L 1/02
B61L 3/12
F16B 5/02
F16B 37/00
(11) EP2281943
(21) EP10166639.4
(47) 07.08.2019
(22) 21.06.2010
(54) Equipment mounting assembly
(73) Pandrol (Vortok) Limited
(72) Stokowski, Marcin
Bointon, Richard
(31) 0910731
(32) 22.06.2009
(33) United Kingdom

(51) E01B 7/22
E01B 9/42
E01B 9/62
(11) EP3290583
(21) EP16382411.3
(47) 07.08.2019
(22) 02.09.2016
(54) MODULAR RAIL FASTENING SYSTEM
(73) Duro Felguera Rail, S.A.U.
Somtech Technologies, S.L
(72) ARDURA GONZÁLEZ, Javier
QUERO GARCÍA, Pablo
PIÑA SALA, David
GONZÁLEZ REQUEJO, Mario Cesar
IGLESIAS PAÑEDA, Ignacio Javier
GIMENO DURÁ, José Vicente

(51) E01B 27/06
E01B 27/08
E01B 27/11
(11) EP3317460
(21) EP16726790.5
(47) 07.08.2019
(87) EP2016000906
05.01.2017
(22) 02.06.2016
(54) METHOD AND MACHINE FOR STABILIZING A SUBGRADE
(73) Plasser & Theurer Export von Bahnbaumaschinen Gesellschaft m.b.H.
(72) BRUNNINGER, Manfred
(31) 4202015
(32) 01.07.2015
(33) Austria

(51) E01C 11/22
E03F 3/04
(11) EP1437447
(21) EP04000330.3
(47) 07.08.2019
(22) 09.01.2004
(54) Method and apparatus for aligning channel sections with an adjustable alignment key
(73) ABT, Inc.
(72) Gunter, Charles, E.
(31) 341262
(32) 13.01.2003
(33) United States of America

(51) E01C 19/27
(11) EP3181754
(21) EP16195791.5
(47) 07.08.2019
(22) 26.10.2016
(54) SOIL COMPACTION MACHINE

(73) Hamm AG
(72) Mahler, Gerhard
Kreger, Marco
Römer, Axel
(31) 102015225908
102016205116
(32) 18.12.2015
29.03.2016
(33) Germany
Germany

(51) E01D 15/12
E01D 15/14
E04B 1/34
(11) EP3147407
(21) EP14895015.7
(47) 07.08.2019
(87) JP2014003252
23.12.2015
(22) 17.06.2014
(54) SCISSORS-TYPE RETRACTABLE STRUCTURE
(73) Hiroshima University
Sankyo Tateyama, Inc.
Hoshikei Kinzoku Kogyo Co., Ltd.
Japan Construction Machinery and Construction Association
Institute of Fundamental Technological Research Polish Academy of Sciences
(72) ARIO, Ichiro
TANAKA, Yoshikazu
CHIKAHIRO, Yuki
NAKATANI, Shin
TANIKURA, Izumi
ONO, Shuichi
AKAMATSU, Toshiharu
SATO, Takao
HANAKI, Satoru
NAKAMURA, Shigeo

(51) E01F 8/00
(11) EP3310965
(21) EP16733359.0
(47) 07.08.2019
(87) EP2016064226
22.12.2016
(22) 20.06.2016
(54) NOISE-ABSORBING COMPONENT, AND NOISE-PROTECTION WALL COMPRISING SUCH A COMPONENT
(73) Liaver GmbH & Co. KG
(72) TSCHIERSCH, Ronald
HOPPE, Christian
(31) 102015109807
102015109808
(32) 19.06.2015
19.06.2015
(33) Germany
Germany

(51) E01F 13/04
E06B 11/02
E01F 13/02
(11) EP3296464
(21) EP17191146.4
(47) 07.08.2019
(22) 14.09.2017
(54) A GATE BEING COMPLETELY RETRACTABLE INTO A SUBTERRANEAN CHAMBER
(73) Damkjær, René
(72) Damkjær, René
(31) 201670707
(32) 15.09.2016
(33) Denmark

(51) E01F 15/14
E01F 15/04
A63C 19/10
A63C 19/06
(11) EP3216922
(21) EP17159655.4
(47) 07.08.2019
(22) 07.03.2017
(54) IMPACT ABSORPTION APPARATUS
(73) Bockay, Jan
(72) Bockay, Jan
(31) 202016101251 U
(32) 08.03.2016
(33) Germany

(51) E01H 1/00
E21D 11/00
(11) EP3108065
(21) EP15751304.5
(47) 07.08.2019
(87) AU2015000086
27.08.2015
(22) 17.02.2015
(54) AUTONOMOUS TUNNEL CLEANING SYSTEM
(73) JJ Cleaning Australia Pty Ltd
(72) JONES, Stuart Fenton
(31) 2014900516
(32) 18.02.2014
(33) Australia

(51) E01H 4/02
(11) EP3336257
(21) EP16204138.8
(47) 07.08.2019
(22) 14.12.2016
(54) STARTING TRACK ICE MILLING UNIT FOR A SKI-JUMP
(73) Peter Riedel Patent UG (haftungsbeschränkt)
(72) Riedel, Peter

(51) E02B 8/08
(11) EP3231942
(21) EP17166082.2
(47) 07.08.2019
(22) 11.04.2017
(54) FISH LADDER
(73) HTL Patentverwaltungs-UG (haftungsbeschränkt)
(72) ZEILER, Georg
FLACH, Bernd
(31) 202016101933 U
(32) 12.04.2016
(33) Germany

(51) E02D 5/72
E02D 5/54
(11) EP3358086
(21) EP18154613.6
(47) 07.08.2019
(22) 01.02.2018
(54) PILE HEAD AND METHOD OF MANUFACTURING A PILE POINT
(73) Leino, Jorma
(72) Leino, Jorma
(31) 20175086
(32) 01.02.2017
(33) Finland

(51) E02D 5/80
(11) EP3199709
(21) EP16153711.3
(47) 07.08.2019
(22) 01.02.2016
(54) APPARATUS AND METHOD FOR DRILLING ANNULAR CAVITIES
(73) Blade Offshore Services Ltd.
(72) SWINGLER, John Robert
RUFFMAN, William Fleet

(51) E02D 27/52
E02B 17/02
E02B 17/00
(11) EP2010718
(21) EP07722557.1
(47) 07.08.2019
(87) DK2007000178
18.10.2007
(22) 10.04.2007
(54) Method of installing bucket foundation structure
(73) MBD Offshore Power A/S
(72) SCHAKENDA, Bruno
NIELSEN, Søren Andreas
IBSEN, Lars Bo
(31) 200600520
(32) 10.04.2006
(33) Denmark

(51) E02D 29/02
E01F 15/08
(11) EP2959064
(21) EP14753694.0
(47) 07.08.2019
(87) US2014015660
28.08.2014
(22) 11.02.2014
(54) PRECAST LEVELING SEGMENT BELOW A TRAFFIC BARRIER ATOP AN EARTH RETAINING WALL SYSTEM
(73) Earth Wall Products LLC
(72) RAINEY, Thomas, L.
(31) 201361766794 P
201361914127 P
(32) 20.02.2013
10.12.2013
(33) United States of America
United States of America

(51) E02D 29/12
E02D 29/14
(11) EP2660393
(21) EP13165212.5
(47) 07.08.2019
(22) 24.04.2013
(54) Shaft assembly and method for producing a shaft assembly
(73) Heinrich Meier Eisengiesserei GmbH & Co. KG
(72) Sonnenberg, Ralf
Bredemeier, Dirk
(31) 102012008735
(32) 04.05.2012
(33) Germany

(51) E02D 29/14
E03F 5/02
(11) EP2957677
(21) EP14752180.1

(47) 07.08.2019
(87) JP2014053636
21.08.2014
(22) 17.02.2014
(54) LID FOR UNDERGROUND STRUCTURE
(73) Hinode, Ltd.
(72) SAEKI, Eiichiro
SHINOHARA, Norio
ANDOU, Takefumi
(31) 2013028955
(32) 18.02.2013
(33) Japan

(51) E02F 3/30
E02F 3/38
E02F 9/00
(11) EP3321426
(21) EP16844614.4
(47) 07.08.2019
(87) KR2016009579
16.03.2017
(22) 29.08.2016
(54) EXCAVATOR HAVING ROTATABLE ARM
(73) Kim, Young Gil
(72) Kim, Young Gil
(31) 20150127630
(32) 09.09.2015
(33) Korea (Republic)

(51) E02F 3/96
G07C 3/02
B25D 9/00
B25D 9/26
E02F 9/22
E02F 9/26
G07C 5/00
(11) EP2516755
(21) EP10838750.7
(47) 07.08.2019
(87) FI2010051061
30.06.2011
(22) 20.12.2010
(54) METHOD FOR DETERMINING USAGE RATE OF BREAKING HAMMER, BREAKING HAMMER, AND MEASURING DEVICE
(73) Sandvik Mining and Construction Oy
(72) OKSMAN, Mika
LEHMUSVIRTA, Ilkka
(31) 20096374
(32) 21.12.2009
(33) Finland

(51) E02F 9/16
B66C 13/54
B62D 33/06
E02F 3/32
(11) EP2664717
(21) EP13166585.3
(47) 07.08.2019
(22) 06.05.2013
(54) Cab frame for a construction machine
(73) Kobelco Construction Machinery Co., Ltd.
(72) Yamamoto, Keiji
Yamamoto, Keiji
Ueta, Toshiro
(31) 2012114451
(32) 18.05.2012
(33) Japan

(51) E02F 9/28
(11) EP2910692
(21) EP14180148.0
(47) 07.08.2019
(22) 06.05.2008
(54) Wear assembly for excavating equipment
(73) ESCO Group LLC
(72) Ollinger VI., Charles G.
Snyder, Chris D.
Kreitzberg, John S.
(31) 928780 P
928821 P
930483 P
(32) 10.05.2007
10.05.2007
15.05.2007
(33) United States of America
United States of America
United States of America

(51) E02F 9/28
E02F 3/32
(11) EP2510160
(21) EP10835283.2
(47) 07.08.2019
(87) AU2010001556
16.06.2011
(22) 19.11.2010
(54) A LOCK ASSEMBLY FOR AN EXCAVATOR WEAR ASSEMBLY
(73) CQMS Pty Ltd
(72) GUIMARAES, Miguel
LILLEY, Bruce
NIENABER, Quintin
YOUNG, Tony
(31) 2009906064
(32) 11.12.2009
(33) Australia

(51) E03C 1/12
A47K 3/40
(11) EP2598705
(21) EP11811635.9
(47) 07.08.2019
(87) AU2011000932
02.02.2012
(22) 27.07.2011
(54) IMPROVED WASTE FITTING
(73) Kellophie IP Holdings Pty Ltd
(72) Muirhead Philip John
(31) 2010903364
(32) 28.07.2010
(33) Australia

(51) E03C 1/22
(11) EP2829665
(21) EP14177960.3
(47) 07.08.2019
(22) 22.07.2014
(54) Sanitary fitting for the filling and emptying of water.
(73) Valentin SAS
(72) Empereur, Vincent
(31) 1357390
(32) 26.07.2013
(33) France

(51) E03C 1/266
B04B 7/16
B09B 3/00
B01D 33/46
B01D 33/52
B01D 33/76
(11) EP2758607
(21) EP12824539.6
(47) 07.08.2019
(87) US2012051320
21.02.2013
(22) 17.08.2012
(54) ORGANIC WASTE LIQUID SOLID SEPARATOR
(73) OrgAmi, LLC
(72) DORSETT, Josephine Scott
WHITE, James E.
(31) 201161524955 P
(32) 18.08.2011
(33) United States of America

(51) E03C 1/284
E03C 1/29
(11) EP3260608
(21) EP17167952.5
(47) 07.08.2019
(22) 25.04.2017
(54) SIPHON ASSEMBLY
(73) Geberit International AG
(72) OBERHOLZER, Marco
FURRER, Martin
(31) 16175445
(32) 21.06.2016
(33) European Patent Office (EPO)

(51) E03D 1/22
(11) EP3009572
(21) EP15190135.2
(47) 07.08.2019
(22) 16.10.2015
(54) A FLUSHING SYSTEM FOR A TOILET
(73) Geberit International AG
(72) DANIELSSON SPOGARDH, Stefan
(31) 1451244
(32) 17.10.2014
(33) Sweden

(51) E03F 1/00
(11) EP3133219
(21) EP16177379.1
(47) 07.08.2019
(22) 30.06.2016
(54) DISPOSAL DEVICE FOR A VEHICLE
(73) Hugo Vogelsang Maschinenbau GmbH
(72) HEINRICHS, Martin
(31) 202015103442 U
202015105495 U
202016103149 U
(32) 30.06.2015
16.10.2015
14.06.2016
(33) Germany
Germany
Germany

(51) E04B 1/00
(11) EP3315678
(21) EP17198011.3
(47) 07.08.2019
(22) 24.10.2017
(54) PREFABRICATED ELEMENT FOR CONNECTING A CONCRETE CANTILEVER PLATE TO A BUILDING STRUCTURE
(73) Ikona AG
(31) 14252016
(32) 25.10.2016

(33) Switzerland

(51) E04B 1/68
E01D 19/06
E01D 19/08
(11) EP3369870
(21) EP18159232.0
(47) 07.08.2019
(22) 28.02.2018
(54) EXPANSION JOINT
(73) Tecno K Giunti S.r.l.
(72) TORSANI, Davide
(31) 201700022719 U
(32) 01.03.2017
(33) Italy

(51) E04B 2/88
E06B 3/663
(11) EP3344839
(21) EP16758122.2
(47) 07.08.2019
(87) EP2016069779
09.03.2017
(22) 22.08.2016
(54) SUPERINSULATING WINDOW UNIT
(73) AGC Glass Europe
(72) BOUCHER, Nicolas
BOUESNARD, Olivier
SCHNEIDER, Pierre
CLOSSET, François
(31) 15183891
16174104
(32) 04.09.2015
13.06.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) E04B 5/04
E04B 5/38
(11) EP3115523
(21) EP16178089.5
(47) 07.08.2019
(22) 06.07.2016
(54) CONCRETE PANEL, ESPECIALLY FOR COMPOSITE FLOORS, AND A COMPOSITE FLOOR
(73) Grobelny, Mieczyslaw
(72) Grobelny, Mieczyslaw
(31) 41309715
(32) 10.07.2015
(33) Poland

(51) E04B 9/00
F21V 21/04
F21S 8/02
(11) EP2543787
(21) EP12174164.9
(47) 07.08.2019
(22) 28.06.2012
(54) Ceiling lamp support
(73) Hellermanntyton
(72) Rodriguez, Manuel
Cherdo, Pascal
(31) 1156161
(32) 07.07.2011
(33) France

(51) E04C 1/42
E04C 2/54
(11) EP3344825
(21) EP16767137.9
(47) 07.08.2019
(87) EP2016001465
09.03.2017
(22) 31.08.2016
(54) COMPONENT MADE OF HOLLOW GLASS BLOCKS
(73) Semadeni, Marco
(72) Semadeni, Marco
(31) 12512015
(32) 31.08.2015
(33) Switzerland

(51) E04F 13/08
(11) EP2959073
(21) EP14706910.8
(47) 07.08.2019
(87) FR2014050251
28.08.2014
(22) 10.02.2014
(54) ATTACHMENT KIT SUITABLE FOR HOLDING VIP'S, AND ASSOCIATED METHOD AND SYSTEM FOR LINING A WALL
(73) Electricité de France
(72) MILLEVILLE, Pierre-Henri
DUFORESTEL, Thierry
ARESE, Roger
(31) 1351401
(32) 19.02.2013
(33) France

(51) E04F 13/08
E04F 13/10
E04F 15/02
E04F 15/04
(11) EP3263798
(21) EP16176934.4
(47) 07.08.2019
(22) 29.06.2016
(54) LAYING METHOD FOR PRODUCING A CEILING AND/OR WALL COVERING CONSISTING OF PANELS AND A CEILING AND/OR WALL COVERING CONSISTING OF PANELS
(73) SWISS KRONO Tec AG
(72) BRAUN, Roger

(51) E04F 13/08
E04F 13/16
E04F 13/14
E04F 15/02
E04F 15/08
E04F 15/14
E04F 15/18
E04F 15/20
(11) EP2681378
(21) EP12710671.4
(47) 07.08.2019
(87) EP2012053567
07.09.2012
(22) 01.03.2012
(54) Laying system for a floor or wall covering comprising a composite panel and production method for such a composite panel
(73) Meyer, Hans
(72) DELLA PEPA, Tomas
(31) 102011004893
(32) 01.03.2011
(33) Germany

(51) E04F 15/02
(11) EP3070229
(21) EP16156738.3
(47) 07.08.2019
(22) 22.02.2016
(54) DISASSEMBLABLE FLOORING PANEL
(73) Cheng, Yu-Yung
(72) Cheng, Yu-Yung
(31) 104202896
(32) 25.02.2015
(33) Taiwan, Province of China

(51) E04F 15/02
B27F 1/06
B44C 1/22
B44C 5/04
B32B 3/02
F16B 5/00
(11) EP2281975
(21) EP10181676.7
(47) 07.08.2019
(22) 20.03.2003
(54) A method for making decorative grooves on a floorboard
(73) Välinge Innovation AB
(72) Pervan, Darko
Pervan, Tony
(31) 0200848
PCT/SE02/01731
(32) 20.03.2002
20.09.2002
(33) Sweden
World Intellectual Property Office (WIPO)

(51) E04F 15/02
F16B 5/00
B65D 69/00
E04G 23/00
E04F 21/22
E04F 15/04
E04B 5/00
(11) EP2281972
(21) EP10181186.7
(47) 07.08.2019
(22) 21.10.2005
(54) Equipment and method of providing rectangular floor panels with a mechanical locking system
(73) Välinge Innovation AB
(72) Pervan, Darko
Håkansson, Niclas
Nygren, Per
(31) 04025167
(32) 22.10.2004
(33) European Patent Office (EPO)

(51) E04F 15/04
E04F 15/20
B44C 1/24
B44C 5/04
B44F 9/02
(11) EP2163707
(21) EP09075574.5
(47) 07.08.2019
(22) 12.01.2001
(54) Floor covering consisting of hard floor panels
(73) Flooring Industries Ltd.
(72) Thiers, Bernard
(31) 200000381
(32) 13.06.2000
(33) Belgium

(51) E04F 19/04
E04F 13/073
E04F 21/18

E04F 21/22
(11) EP3167129
(21) EP15754260.6
(47) 07.08.2019
(87) FR2015051875
14.01.2016
(22) 07.07.2015
(54) DEVICE FOR INSTALLING FLOOR AND WALL COVERINGS AT PROJECTING CORNERS
(73) GERFLOR
(72) CEYSSON, Olivier
PAGANINI, Pascal
(31) 1456542
(32) 07.07.2014
(33) France

(51) E04G 3/20
E04G 5/06
E04G 5/04
(11) EP2706167
(21) EP13183469.9
(47) 07.08.2019
(22) 09.09.2013
(54) Wall bracket
(73) Den Finland Oy
(72) Ahola, Hannu
Kurkela, Ilkka
(31) 20124183 U
(32) 10.09.2012
(33) Finland

(51) E04G 3/20
E04G 5/06
E04G 5/04
E04G 1/15
E04G 7/28
E04G 5/08
(11) EP2706168
(21) EP13183479.8
(47) 07.08.2019
(22) 09.09.2013
(54) Wall bracket and working platform
(73) Den Finland Oy
(72) Ahola, Hannu
Kurkela, Ilkka
(31) 20124183 U
20135699
(32) 10.09.2012
26.06.2013
(33) Finland
Finland

(51) E04G 21/12
E04B 1/68
E04C 5/16
(11) EP3093412
(21) EP16163695.6
(47) 07.08.2019
(22) 04.04.2016
(54) REINFORCEMENT CONNECTION ELEMENT
(73) Max Frank GmbH & Co. KG
(72) Wölfl, Peter
(31) 202015102442 U
(32) 12.05.2015
(33) Germany

(51) E04G 23/02
(11) EP2513390
(21) EP10805480.0
(47) 07.08.2019
(87) GR2010000055
23.06.2011
(22) 13.12.2010
(54) Construction system for strengthening an existing structure with tension sheets and a respective anchoring device and method therefore
(73) Aristotle University Of Thessaloniki-Research Committee
Manos, Giorgios
Katakalos, Konstantinos
Kourtidis, Vladimiros
(72) MANOS, Georgios
KATAKALOS, Konstantinos
KOURTIDIS, VIadimiros
(31) 09386037
(32) 14.12.2009
(33) European Patent Office (EPO)

(51) E04H 12/22
A47G 33/12
A45B 23/00
A45B 25/00
A45F 3/24
A63B 61/02
(11) EP3247850
(21) EP16700682.4
(47) 07.08.2019
(87) DK2016050007
21.07.2016
(22) 12.01.2016
(54) A KIT OF PARTS FOR BUILDING A SUPPORT BASE FOR A POLE-LIKE ELEMENT
(73) Plinthit ApS
(72) JENSEN, Arne Flemming
(31) 201570011
201570357
(32) 13.01.2015
10.06.2015
(33) Denmark
Denmark

(51) E04H 12/34
(11) EP2914790
(21) EP13785836.1
(47) 07.08.2019
(87) EP2013072472
08.05.2014
(22) 28.10.2013
(54) METHOD FOR PRODUCING A TOWER CONSTRUCTION FROM REINFORCED CONCRETE
(73) Technische Universität Wien
(72) KOLLEGGER, Johann
SCHÖNWEGER, Maria Charlotte
(31) 504802012
(32) 30.10.2012
(33) Austria

(51) E04H 15/50
E04H 15/58
E04F 10/02
(11) EP3377716
(21) EP16812985.6
(47) 07.08.2019
(87) FR2016052965
26.05.2017
(22) 16.11.2016
(54) FOLDING SHELTER STRUCTURE DEVICE
(73) Vitabri
(72) STEHLY, Alain
(31) 1561007
1654227
(32) 16.11.2015
12.05.2016
(33) France
France

(51) E05B 9/04
E05B 3/00
E05B 17/22
E05B 47/00
E05B 47/06
(11) EP2706172
(21) EP13450039.6
(47) 07.08.2019
(22) 03.09.2013
(54) LOCKING DEVICE WITH A THREADED CONNECTION BETWEEN A CYLINDER CORE AND A HANDLE
(73) Evva Sicherheitstechnologie GmbH
(72) Neumayer, Harald
Decombe, Gerald
(31) 9792012
(32) 06.09.2012
(33) Austria

(51) E05B 17/00
B60J 5/04
E05B 79/20
E05B 77/02
(11) EP2581246
(21) EP11792395.3
(47) 07.08.2019
(87) JP2011062925
15.12.2011
(22) 06.06.2011
(54) VEHICLE DOOR STRUCTURE
(73) Nissan Motor Co., Ltd
(72) MORIYA, Ryohei
YAGI,Takanori
MORI,Masatsugu
(31) 2010130853
(32) 08.06.2010
(33) Japan

(51) E05B 17/00
B62H 5/06
E05B 17/18
E05B 47/00
E05B 77/44
E05B 83/00
E05B 85/02
E05B 17/20
E05B 27/00
E05B 17/14
(11) EP3216949
(21) EP15857688.4
(47) 07.08.2019
(87) JP2015079729
12.05.2016
(22) 21.10.2015
(54) PROTECTIVE DEVICE FOR CYLINDER LOCK
(73) Kabushiki Kaisha Honda Lock
(72) TANAKA, Akimitsu
PRACHYA, Moonthong
(31) 2014226744
(32) 07.11.2014
(33) Japan

(51) E05B 17/22
E05B 45/12
(11) EP3159464
(21) EP16184133.3
(47) 07.08.2019
(22) 15.08.2016
(54) LOCKING DEVICE WITH ASSEMBLY FOR MONITORING THE LOCKING STATE
(73) Siegenia-Aubi KG
(72) NEUMANN, Alexander
VARNHOLT, Moritz
WEBER, Matthias
(31) 102015011299
(32) 02.09.2015
(33) Germany

(51) E05B 39/00
G06F 3/01
(11) EP2960408
(21) EP15172810.2
(47) 07.08.2019
(22) 19.06.2015
(54) ELECTRONIC DOOR LOCK WITH HAPTIC FEEDBACK
(73) BKS GmbH
(72) Lelie, Christoph
(31) 102014211921
(32) 23.06.2014
(33) Germany

(51) E05B 41/00
E05B 65/00
E05C 1/16
E06B 9/04
(11) EP3401469
(21) EP18157204.1
(47) 07.08.2019
(22) 16.02.2018
(54) CHILD SAFETY GRID
(73) Felibaby GmbH
(72) Potthast, Ivo
(31) 102017110090
(32) 10.05.2017
(33) Germany

(51) E05B 67/22
E05B 67/06
(11) EP3183405
(21) EP15833601.6
(47) 07.08.2019
(87) US2015046572
25.02.2016
(22) 24.08.2015
(54) HOOP LOCK WITH ANTI-ROTATION FEATURES
(73) Schlage Lock Company LLC
(72) KINDSTRAND, Daniel Hugh
KUMAR, Hassan Charan
RAMAKRISHNA, Manjunatha
MILLER, David Bruce
(31) 201462040929 P
(32) 22.08.2014
(33) United States of America

(51) E05B 73/00
(11) EP3265631
(21) EP16712122.7
(47) 07.08.2019
(87) US2016020409
09.09.2016
(22) 02.03.2016
(54) METHOD FOR OPERATING A SECURITY TAG AND SELF-DETACHING SECURITY TAG FOR RETAIL ENVIRONMENT
(73) Sensormatic Electronics, LLC
(72) ELLERS, Edward, P.
STRULOVITCH, Tsahi, Zack
ARDLEY, Wesley, D.
LOUREIRO, Melissa, Ann
(31) 201514638489
(32) 04.03.2015
(33) United States of America

(51) E05B 77/06
E05B 85/16
(11) EP2703582
(21) EP12425144.8
(47) 07.08.2019
(22) 30.08.2012
(54) Vehicle panel handle for opening a panel of an automotive vehicle
(73) U-Shin Italia S.p.A.
(72) Ilardo, Simone
Giaccone, Vittorio

(51) E05B 81/76
E05B 85/10
(11) EP3303743
(21) EP16729473.5
(47) 07.08.2019
(87) US2016036091
15.12.2016
(22) 06.06.2016
(54) DOOR LOCK OPERATOR HAVING DIFFERENT TYPES OF DOOR LOCK OPERATION
(73) Illinois Tool Works Inc.
(72) OCH, Roland
WILKE, Zsolt
WEID, Martin
RUDOLF, Andreas
(31) 15171041
16154945
(32) 08.06.2015
09.02.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) E05C 1/14
E05B 1/00
E05B 3/08
(11) EP3455439
(21) EP17761117.5
(47) 07.08.2019
(87) IB2017054521
08.02.2018
(22) 26.07.2017
(54) LOCK FOR DOORS AND/OR WINDOWS
(73) Alban Giacomo S.p.A.
(72) ALBAN, Giacomo Mario
(31) 201600081787
(32) 03.08.2016
(33) Italy

(51) E05C 9/18
E05B 63/20
E05C 9/02
E05B 17/00
(11) EP2543804
(21) EP12173016.2
(47) 07.08.2019
(22) 21.06.2012
(54) Auxiliary lock for a lock
(73) MACO Technologie GmbH
(72) Hölzl, Josef
(31) 202011102905 U
(32) 06.07.2011
(33) Germany

(51) E05D 15/06
(11) EP2041385
(21) EP07763746.0
(47) 07.08.2019
(87) AT2007000349
17.01.2008
(22) 16.07.2007
(54) APPARATUS FOR SLIDING GATES OR SLIDING DOORS
(73) CETA Elektromechanik GmbH
(72) LOIDOLT, Peter
(31) 12062006
16492006
(32) 14.07.2006
03.10.2006
(33) Austria
Austria

(51) E05F 1/16
A47B 88/467
A47B 88/463
(11) EP3449077
(21) EP17719264.8
(47) 07.08.2019
(87) EP2017059826
02.11.2017
(22) 25.04.2017
(54) EJECTION DEVICE FOR A MOVABLE FURNITURE PART AND PIECE OF FURNITURE
(73) Paul Hettich GmbH & Co. KG
(72) KLAUS, Stefan
(31) 102016107918
(32) 28.04.2016
(33) Germany

(51) E05F 5/00
E05F 1/16
E05D 15/06
(11) EP3070247
(21) EP16000620.1
(47) 07.08.2019
(22) 16.03.2016
(54) LOW NOISE RETRACTION DEVICE
(73) Zimmer, Günther
Zimmer, Martin
(72) Zimmer, Günther
Zimmer, Martin
(31) 102015003424
(32) 17.03.2015
(33) Germany

(51) E05F 15/40
H02H 7/085
H02H 1/04
(11) EP2204891
(21) EP09175074.5
(47) 07.08.2019
(22) 05.11.2009
(54) Actuating drive of a motor vehicle component and method for operating such an actuating drive
(73) Robert Bosch GmbH
(72) Frey, Heiko
(31) 102009000021

(32) 05.01.2009
(33) Germany

(51) E05F 15/622
(11) EP3203005
(21) EP17154183.2
(47) 07.08.2019
(22) 01.02.2017
(54) TUBULAR DRIVE DEVICE
(73) Stabilus GmbH
(72) Link, Markus
Sabet, Dave
Knopp, Michael
(31) 102016201772
(32) 05.02.2016
(33) Germany

(51) E05F 17/00
(11) EP2824265
(21) EP14172813.9
(47) 07.08.2019
(22) 17.06.2014
(54) Fitting system
(73) MACO Technologie GmbH
(72) Kofler, Gerhard Erich
(31) 102013213627
(32) 11.07.2013
(33) Germany

(51) E06B 3/50
A47G 19/32
G07F 11/62
(11) EP3433461
(21) EP18700664.8
(47) 07.08.2019
(87) EP2018050878
07.09.2018
(22) 15.01.2018
(54) DISPENSING APPARATUS
(73) Wanzl Metallwarenfabrik GmbH
(72) DEYERLER, Kurt
WOLF, Alexis
MAYLÄNDER, Ralf
(31) 102017104191
(32) 28.02.2017
(33) Germany

(51) E06B 3/968
F16B 7/04
F16B 11/00
E06B 3/972
(11) EP3354838
(21) EP18154280.4
(47) 07.08.2019
(22) 30.01.2018
(54) EXPANDING CORNER JOINT USED FOR FASTENING TWO PROFILES
(73) L.M. DEI F.LLI MONTICELLI - S.R.L.
(72) MONTICELLI, VLADIMIRO
(31) 201700010568
201700010571
(32) 31.01.2017
31.01.2017
(33) Italy
Italy

(51) E06B 7/02
(11) EP2757223
(21) EP14151377.0
(47) 07.08.2019
(22) 16.01.2014
(54) A fresh air valve with a displaceable cover plate
(73) VKR Holding A/S
(72) Sølvsten, Jacob Skou
(31) 201370026
(32) 18.01.2013
(33) Denmark

(51) E06B 7/10
(11) EP2811102
(21) EP14171035.0
(47) 07.08.2019
(22) 03.06.2014
(54) Window with ventilation module
(73) profine GmbH
(72) Würtz, Hans
(31) 13170336
(32) 03.06.2013
(33) European Patent Office (EPO)

(51) E06B 9/15
E06B 9/13
E06B 9/58
(11) EP3105401
(21) EP15703978.5
(47) 07.08.2019
(87) EP2015052763
20.08.2015
(22) 10.02.2015
(54) FAST ROLL-UP DOOR COMPRISING A CURTAIN HAVING RESILIENT EDGES
(73) Assa Abloy Entrance Systems AB
(72) LORENZANI, Mauro
VECCHI, Armando
(31) 1450153
(32) 12.02.2014
(33) Sweden

(51) E06B 9/17
E06B 9/174
(11) EP3208413
(21) EP16177098.7
(47) 07.08.2019
(22) 30.06.2016
(54) CONNECTING ELEMENT FOR A SUNSCREEN DEVICE
(73) Griesser Holding AG
(72) Roëckel, Hervé
(31) 2122016
(32) 18.02.2016
(33) Switzerland

(51) E06B 9/32
E06B 9/68
(11) EP3158157
(21) EP15735809.4
(47) 07.08.2019
(87) US2015037263
30.12.2015
(22) 23.06.2015
(54) CONTROLLING MOTORIZED WINDOW TREATMENTS IN RESPONSE TO MULTIPE SENSORS
(73) Lutron Technology Company LLC
(72) LUNDY, Stephen
PROTZMAN, Brent
GILL, Timothy
ZIZZA, Michael, J.
(31) 201462015760 P
(32) 23.06.2014
(33) United States of America

(51) E06B 9/50
E06B 9/174
(11) EP3325753
(21) EP16742284.9
(47) 07.08.2019
(87) EP2016067462
26.01.2017
(22) 21.07.2016
(54) DEVICE FOR WINDING A SCREEN HAVING A HINGED WALL ATTACHMENT
(73) SOMFY ACTIVITES SA
(72) LAGARDE, Eric
(31) 1556873
PCT/EP2016/054805
(32) 21.07.2015
07.03.2016
(33) France
World Intellectual Property Office (WIPO)

(51) E06B 9/68
E06B 9/11
E06B 9/40
(11) EP3087241
(21) EP14825559.9
(47) 07.08.2019
(87) US2014071679
02.07.2015
(22) 19.12.2014
(54) METHOD OF AUTOMATICALLY CONTROLLING MOTORIZED WINDOW TREATMENTS
(73) Lutron Technology Company LLC
(72) GILL, Timothy
(31) 201361919874 P
(32) 23.12.2013
(33) United States of America

(51) E06C 1/39
E06C 7/18
E06C 7/16
E06C 1/12
E06C 7/42
E06C 7/44
(11) EP3293345
(21) EP17189727.5
(47) 07.08.2019
(22) 07.09.2017
(54) PLATFORM LADDER APPARATUS
(73) Ståsäker AB
(72) JOHANSSON, Rolf
(31) 1651198
(32) 07.09.2016
(33) Sweden

(51) E21B 1/02
(11) EP3260647
(21) EP16175645.7
(47) 07.08.2019
(22) 22.06.2016
(54) ROCK DRILL
(73) Sandvik Mining and Construction Oy
(72) RANTALA, Esa
MUUTTONEN, Timo
KOTALA, Ari
SAUKKO, Pekka

(51) E21B 7/00
E21B 11/02
F41A 1/02
F41A 1/04
E21B 23/04

E21C 37/00
E21D 9/00
(11) EP2971431
(21) EP14770528.9
(47) 07.08.2019
(87) US2014012317
25.09.2014
(22) 21.01.2014
(54) RAM ACCELERATOR SYSTEM
(73) Hypersciences, Inc.
(72) RUSSELL, Mark C.
(31) 201313841236
(32) 15.03.2013
(33) United States of America

(51) E21B 7/02
H02K 7/00
(11) EP2635761
(21) EP11837634.2
(47) 07.08.2019
(87) FI2011050958
10.05.2012
(22) 01.11.2011
(54) ROCK DRILLING RIG AND METHOD FOR TRANSMISSION OF ROCK DRILLING RIG
(73) Sandvik Mining and Construction Oy
(72) KUITTINEN, Jarno
PIIPPONEN, Juha
(31) 20106157
(32) 04.11.2010
(33) Finland

(51) E21B 7/15
E21B 49/00
E21B 47/10
(11) EP2554779
(21) EP12178983.8
(47) 07.08.2019
(22) 02.08.2012
(54) Pulsed-electric drilling systems and methods with formation evaluation and/or bit position tracking
(73) Halliburton Energy Services Inc.
(72) Donderici, Burkay
Dirksen, Ronald J.
(31) 201161514349 P
(32) 02.08.2011
(33) United States of America

(51) E21B 10/56
(11) EP2812523
(21) EP13746230.5
(47) 07.08.2019
(87) US2013025318
15.08.2013
(22) 08.02.2013
(54) SHAPED CUTTING ELEMENTS FOR EARTH-BORING TOOLS AND EARTH-BORING TOOLS INCLUDING SUCH CUTTING ELEMENTS
(73) Baker Hughes, a GE company, LLC
(72) BILEN, Juan Miguel
SCOTT, Danny E.
PATEL, Suresh G.
MATTHEWS, Oliver
NELMS, Derek L.
LYONS, Nicholas J.
(31) 201261596433 P
(32) 08.02.2012
(33) United States of America

(51) E21B 17/00
E21B 17/02
E21B 17/10
(11) EP2978923
(21) EP14774537.6
(47) 07.08.2019
(87) US2014031808
02.10.2014
(22) 26.03.2014
(54) TRANSMISSION LINE FOR WIRED PIPE
(73) JDI International Leasing Limited
(72) FLOERKE, Helmut Dieter
RODERS, Ingo
MUELLER, Stephan
(31) 201313850384
(32) 26.03.2013
(33) United States of America

(51) E21B 17/00
E21B 17/07
E21B 17/16
(11) EP3071780
(21) EP14863279.7
(47) 07.08.2019
(87) US2014066600
28.05.2015
(22) 20.11.2014
(54) DRILLSTRING
(73) Schlumberger Holdings Limited
(72) JEFFRYES, Benjamin P.
(31) 201361906763 P
(32) 20.11.2013
(33) United States of America

(51) E21B 17/01
E21B 17/10
E21B 47/12
F16L 11/08
G01L 1/24
G01M 11/08
(11) EP2725186
(21) EP12190000.5
(47) 07.08.2019
(22) 25.10.2012
(54) Sheath for flexible pipe bodies and method for producing the same
(73) GE Oil & Gas UK Limited
(72) McNab, John Cross

(51) E21B 21/06
(11) EP3141693
(21) EP16188189.1
(47) 07.08.2019
(22) 09.09.2016
(54) DRILLING FLUID REGENERATION DEVICE
(73) Max Wild GmbH
(72) Schad, Josef
(31) 102015115175
(32) 09.09.2015
(33) Germany

(51) E21B 33/12
F16L 55/11
F42D 1/18
(11) EP3094814
(21) EP14877624.8
(47) 07.08.2019
(87) AU2014001156
16.07.2015
(22) 22.12.2014
(54) IMPROVED O-RING DRILL HOLE PLUG
(73) Rise Mining Developments Pty Ltd
(72) PHILLIPS, Jeffrey Bruce
(31) 2014900100
2014901827
(32) 13.01.2014
16.05.2014
(33) Australia
Australia

(51) E21B 33/127
E21B 34/06
E21B 47/12
E21B 47/01
E21B 47/06
(11) EP3161256
(21) EP15731964.1
(47) 07.08.2019
(87) EP2015064725
07.01.2016
(22) 29.06.2015
(54) DOWNHOLE SENSOR SYSTEM
(73) Welltec A/S
(72) HAZEL, Paul
(31) 14174990
(32) 30.06.2014
(33) European Patent Office (EPO)

(51) E21B 33/128
(11) EP3350409
(21) EP16763244.7
(47) 07.08.2019
(87) EP2016071063
23.03.2017
(22) 07.09.2016
(54) SUPPORTING DEVICE FOR A SEALING ELEMENT IN WELL PLUG
(73) Interwell Technology AS
(72) STORMO, Terje
(31) 20151213
(32) 17.09.2015
(33) Norway

(51) E21B 33/13
E21B 33/134
(11) EP3130745
(21) EP16177357.7
(47) 07.08.2019
(22) 30.06.2016
(54) RISERLESS ABANDONMENT OPERATION USING SEALANT AND CEMENT
(73) CSI Technologies LLC
(72) SABINS, Fred
BROWN, David
WATTERS, Jeffrey
LEAL, Jorge Esteban
WATTERS, Larry
LI, Xiaoxu
(31) 201562204127 P
201615185357
(32) 12.08.2015
17.06.2016
(33) United States of America
United States of America

(51) E21B 43/08
E21B 43/12
(11) EP2550427
(21) EP11769377.0
(47) 07.08.2019
(87) US2011031942
20.10.2011

(22) 11.04.2011
(54) SYSTEM AND METHOD FOR CONTROLLING FLOW THROUGH A SAND SCREEN
(73) Schlumberger Holdings Limited
(72) MOEN, Terje
(31) 759432
(32) 13.04.2010
(33) United States of America

(51) E21B 43/117
E21B 43/116
(11) EP3108093
(21) EP15796988.2
(47) 07.08.2019
(87) US2015032054
26.11.2015
(22) 21.05.2015
(54) SHAPED CHARGE RETAINER SYSTEM
(73) Hunting Titan, Inc.
(72) COLLINS, William R.
MCDONALD, Debra C.
SCHULTE, Bradley S.
(31) 201462001295 P
(32) 21.05.2014
(33) United States of America

(51) E21B 43/12
E21B 47/00
(11) EP3314087
(21) EP16738945.1
(47) 07.08.2019
(87) US2016039939
05.01.2017
(22) 29.06.2016
(54) METHODS AND APPARATUS TO DETERMINE PRODUCTION OF DOWNHOLE PUMPS
(73) Bristol, Inc., D/B/A Remote Automation Solutions
(72) MILLS, Thomas, Matthew
(31) 201514753335
(32) 29.06.2015
(33) United States of America

(51) E21B 43/22
E21B 43/12
C09K 8/50
(11) EP2961922
(21) EP14757141.8
(47) 07.08.2019
(87) US2014017565
04.09.2014
(22) 21.02.2014
(54) METHOD OF PROVIDING FLUID LOSS, USING WHOLE BASIL SEEDS
(73) Halliburton Energy Services Inc.
(72) SAVARI, Sharath
JAMISON, Dale E.
KOTHAMASU, Ramyakrishna
GANTEPLA, Anita
MCDANIEL, Cato
(31) 201313780677
(32) 28.02.2013
(33) United States of America

(51) E21B 44/00
(11) EP3310997
(21) EP16812555.7
(47) 07.08.2019
(87) US2016038167
22.12.2016
(22) 17.06.2016
(54) CHARACTERIZATION OF WHIRL DRILLING DYSFUNCTION
(73) ConocoPhillips Company
(72) ZHA, Yang
ANNO, Phil D.
CHIU, Stephen K.
(31) 201562181559 P
(32) 18.06.2015
(33) United States of America

(51) E21B 47/10
(11) EP3169871
(21) EP15733965.6
(47) 07.08.2019
(87) US2015036377
21.01.2016
(22) 18.06.2015
(54) FLOW METER WELL TOOL
(73) Saudi Arabian Oil Company
(72) MELO, Rafael Adolfo Lastra
(31) 201414330785
(32) 14.07.2014
(33) United States of America

(51) E21F 13/00
B60P 1/02
B60P 1/64
(11) EP3024694
(21) EP14744042.4
(47) 07.08.2019
(87) EP2014065693
29.01.2015
(22) 22.07.2014
(54) WHEELED VEHICLE FOR TRANSFERRING HEAVY LOADS, HAVING A PLURALITY OF LOW-HEIGHT ARTICULATED MODULES
(73) Agence Nationale pour la Gestion des Déchets Radioactifs
(72) PONS, Damien
HERVE, Jean-François
SOUTHWAY, Rudy
CROSNIER, François-Sylvain
(31) 1357309
(32) 24.07.2013
(33) France

(51) F01D 5/00
F01D 9/02
F01D 9/04
B23P 6/00
(11) EP2535512
(21) EP12172283.9
(47) 07.08.2019
(22) 15.06.2012
(54) Method of repairing a turbine nozzle segment in a turbine engine
(73) General Electric Company
(72) Brown, Nathaniel Patrick
Knight, Glenn
Grady, Wayne
Steckler, Michael
(31) 201113163474
(32) 17.06.2011
(33) United States of America

(51) F01D 5/02
F02K 3/06
F02C 7/04
F01D 5/14
(11) EP3379028
(21) EP18157436.9
(47) 07.08.2019
(22) 19.02.2018
(54) CORE-PROTECTING FAN MODULES AND TURBOFAN ENGINES CONTAINING THE SAME
(73) Honeywell International Inc.
(72) NOLCHEFF, Nick
REPP, John
HAYES, Jeffrey
GUNARAJ, John A.
GEBRE-GIORGIS, Yoseph
(31) 201715439430
(32) 22.02.2017
(33) United States of America

(51) F01D 5/04
F01D 11/00
F01D 25/24
F01D 9/04
(11) EP2971609
(21) EP14720173.5
(47) 07.08.2019
(87) FR2014050579
18.09.2014
(22) 13.03.2014
(54) TURBINE RING FOR A TURBOMACHINE
(73) Safran Helicopter Engines
(72) JAUREGUIBERRY, Carole
SILVA, Manuel
(31) 1352257
(32) 14.03.2013
(33) France

(51) F01D 5/06
F02C 3/04
F02K 3/06
F01D 5/04
F01D 5/02
(11) EP2520763
(21) EP12166620.0
(47) 07.08.2019
(22) 03.05.2012
(54) Impeller
(73) Rafael Advanced Defense Systems Ltd.
(72) Bronfeld, Yakov
Khosid, Savely
(31) 21272911
(32) 05.05.2011
(33) Israel

(51) F01D 5/08
F01D 21/00
G01L 3/10
G01L 3/12
(11) EP3405652
(21) EP17706274.2
(47) 07.08.2019
(87) FR2017050093
27.07.2017
(22) 17.01.2017
(54) TWISTING TORQUE SENSOR
(73) Safran Helicopter Engines
(72) RENAULT, Lionel
(31) 1650431
(32) 20.01.2016
(33) France

(51) F01D 5/14
F01D 5/16
(11) EP3361052

(21) EP18151673.3
(47) 07.08.2019
(22) 15.01.2018
(54) GAS TURBINE ENGINE FAN BLADE
(73) Rolls-Royce plc
(72) Wilson, Mark J
Gonzalez-Gutierrez, Gabriel
Barale, Marco
Phelps, Benedict
Johal, Kashmir S
Smith, Nigel H S
(31) 201702384
(32) 14.02.2017
(33) United Kingdom

(51) F01D 5/14
F01D 5/18
F01D 9/02
F01D 9/06
(11) EP2669474
(21) EP12170498.5
(47) 07.08.2019
(22) 01.06.2012
(54) Transition channel for a fluid flow engine and fluid flow engine
(73) MTU Aero Engines AG
(72) Dr. Gündogdu, Yavuz
Dr. Engel, Karl

(51) F01D 5/18
(11) EP2738350
(21) EP13190763.6
(47) 07.08.2019
(22) 29.10.2013
(54) Turbine blade airfoils including showerhead film cooling systems, and methods for forming an improved showerhead film cooled airfoil of a turbine blade
(73) Honeywell International Inc.
(72) Kollati, Vighneswara Rao
Srinivasan, Balamurugan
Liu, Jong
Crites, Daniel Cregg
Tapia, Luis
Malak, Malak Fouad
Rana, Rajiv
(31) 201213692353
(32) 03.12.2012
(33) United States of America

(51) F01D 5/18
(11) EP3382151
(21) EP18163803.2
(47) 07.08.2019
(22) 23.03.2018
(54) TURBINE COMPONENT WITH SHAPED COOLING PINS
(73) Honeywell International Inc.
(72) KAMRATH, Benjamin Dosland
SMOKE, Jason
CRITES, Daniel C.
(31) 201715475597
(32) 31.03.2017
(33) United States of America

(51) F01D 5/18
F01D 9/04
(11) EP2927430
(21) EP15162139.8
(47) 07.08.2019
(22) 01.04.2015
(54) STATOR VANE WITH A COOLED PLATFORM FOR A GAS TURBINE ENGINE
(73) United Technologies Corporation
(72) BANGERTER, James P.
(31) 201461975265 P
(32) 04.04.2014
(33) United States of America

(51) F01D 5/18
F23R 3/00
(11) EP3101231
(21) EP16172713.6
(47) 07.08.2019
(22) 02.06.2016
(54) DEVICE FOR COOLING A WALL OF A COMPONENT OF A GAS TURBINE
(73) Rolls-Royce Deutschland Ltd & Co KG
(72) GERENDÁS, Dr.-Ing. Miklós
(31) 102015210385
(32) 05.06.2015
(33) Germany

(51) F01D 5/20
F04D 29/38
F01D 5/14
(11) EP2195528
(21) EP08798241.9
(47) 07.08.2019
(87) US2008073677
02.04.2009
(22) 20.08.2008
(54) CUFFED FAN BLADE MODIFICATIONS
(73) Delta T, LLC
(72) AYNSLEY, Richard, M.
SMITH, J., Carey
FIZER, Richard, W.
(31) 860888
(32) 25.09.2007
(33) United States of America

(51) F01D 5/28
(11) EP3339573
(21) EP17206375.2
(47) 07.08.2019
(22) 11.12.2017
(54) COMPOSITE TURBINE VANE WITH THREE-DIMENSIONAL FIBER REINFORCEMENTS
(73) Rolls-Royce Corporation
Rolls-Royce North American Technologies, Inc.
(72) Schetzel, Tara G
Freeman, Ted J
Shi, Jun
Walston, Jeffrey A
Clarke, Steven
Kroszner, Sean
(31) 201662438533 P
(32) 23.12.2016
(33) United States of America

(51) F01D 5/28
F01D 5/14
F02C 7/00
F02K 3/00
F01D 21/04
F01D 25/24
F01D 25/30
F01D 5/02
(11) EP2904214
(21) EP13844100.1
(47) 07.08.2019
(87) US2013027229
10.04.2014
(22) 22.02.2013
(54) REDUCED FAN CONTAINMENT THREAT THROUGH LINER AND BLADE DESIGN
(73) United Technologies Corporation
(72) ROBERTSON, Thomas J.
VOLETI, Sreenivasa R.
COSTA, Mark W.
CLARKSON, Steven
(31) 201261708191 P
(32) 01.10.2012
(33) United States of America

(51) F01D 11/00
F01D 25/24
F16J 15/24
F16J 15/44
F01D 9/06
F02C 7/28
(11) EP2918786
(21) EP13853948.1
(47) 07.08.2019
(87) JP2013061831
15.05.2014
(22) 23.04.2013
(54) SEAL STRUCTURE FOR VAPOR TURBINE
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) NAKAZAWA, Tamiaki
NISHIKATSU, Masaru
(31) 2012244685
(32) 06.11.2012
(33) Japan

(51) F01D 11/00
F16J 15/44
(11) EP2324209
(21) EP09813411.7
(47) 07.08.2019
(87) US2009052328
18.03.2010
(22) 31.07.2009
(54) INTERSHAFT SEAL SYSTEM
(73) Stein Seal Company
(72) VASAGAR, Thurai, Manik
(31) 210246
(32) 15.09.2008
(33) United States of America

(51) F01D 11/08
F01D 25/24
(11) EP3075965
(21) EP16161058.9
(47) 07.08.2019
(22) 18.03.2016
(54) TURBINE SHROUD ASSEMBLY
(73) Rolls-Royce Corporation
Rolls-Royce North American Technologies, Inc.
(72) Thomas, David
Lamusga, Joseph
Freeman, Ted
Lazur, Andrew
(31) 201562140663 P
(32) 31.03.2015
(33) United States of America

(51) F01D 11/12
F01D 5/28

C04B 35/48
(11) EP2917502
(21) EP13782804.2
(47) 07.08.2019
(87) FR2013052370
17.04.2014
(22) 07.10.2013
(54) ROTOR-STATOR ASSEMBLY FOR A GAS TURGINE ENGINE
(73) Safran Helicopter Engines
(72) GURT SANTANACH, Julien
CRABOS, Fabrice
(31) 1259704
(32) 11.10.2012
(33) France

(51) F01D 11/14
F01D 25/24
(11) EP3106623
(21) EP16163680.8
(47) 07.08.2019
(22) 04.04.2016
(54) TURBINE ENGINE TIP CLEARANCE CONTROL SYSTEM WITH LATERAL TRANSLATABLE SLIDE BLOCK
(73) United Technologies Corporation
(72) DUGUAY, Brian
DAVIS, Timothy M.
(31) 201514731155
(32) 04.06.2015
(33) United States of America

(51) F01D 11/24
F01D 25/14
F02C 7/18
(11) EP2963246
(21) EP15170651.2
(47) 07.08.2019
(22) 04.06.2015
(54) TURBINE CASE COOLING SYSTEM
(73) Rolls-Royce plc
(72) Morrill, Daniel
(31) 201409991
(32) 04.07.2014
(33) United Kingdom

(51) F01D 25/00
(11) EP3187697
(21) EP16205239.3
(47) 07.08.2019
(22) 20.12.2016
(54) GAS TURBINE WATER WASH METHODS AND SYSTEMS
(73) General Electric Company
(72) VELA, Veronica Elizabeth
VILCHIS, Berenice
LOPEZ, Yeremi Adair
VILLARREAL, Salvador
(31) 201514985799
(32) 31.12.2015
(33) United States of America

(51) F01D 25/16
F01D 25/28
F01D 25/30
F02C 7/20
(11) EP2938847
(21) EP13869044.1
(47) 07.08.2019
(87) US2013076487
03.07.2014
(22) 19.12.2013
(54) INSTALLATION MOUNTS FOR A TURBINE EXHAUST CASE
(73) United Technologies Corporation
(72) SCOTT, Jonathan Ariel
HENDERSON, John J.
HARRIS, Ralph D.
(31) 201261747257 P
(32) 29.12.2012
(33) United States of America

(51) F01D 25/16
F16C 33/72
F02C 7/06
(11) EP3318728
(21) EP17189123.7
(47) 07.08.2019
(22) 01.09.2017
(54) VARIABLE VOLUME BEARING COMPARTMENT
(73) United Technologies Corporation
(72) DUFFY, Kevin
SPAGNOLETTI, Anthony
(31) 201615343486
(32) 04.11.2016
(33) United States of America

(51) F01D 25/24
F01D 9/04
(11) EP1857639
(21) EP07009708.4
(47) 07.08.2019
(22) 15.05.2007
(54) FAN FRAME
(73) United Technologies Corporation
(72) Grudnoski, Jennifer
Ditomasso, John
Watkins, Akwetee E.
Grosso, Jody M.
(31) 434493
(32) 15.05.2006
(33) United States of America

(51) F01D 25/28
F01D 25/24
F01D 11/08
(11) EP2963250
(21) EP15172924.1
(47) 07.08.2019
(22) 19.06.2015
(54) COATING FOR ISOLATING METALLIC COMPONENTS FROM COMPOSITE COMPONENTS
(73) Rolls-Royce Corporation
(72) Landwehr, Sean
Shim, Sungbo
Chamberlain, Adam
Bolcavage, Ann
(31) 201462018712 P
(32) 30.06.2014
(33) United States of America

(51) F01K 13/02
(11) EP1921280
(21) EP07103532.3
(47) 07.08.2019
(22) 05.03.2007
(54) Systems and methods for multi-level optimizing control systems for boilers
(73) GENERAL ELECTRIC COMPANY
(72) Badami, Vivek Venugopal
Subbu, Rajesh Venkat
Taware, Avinash Vinayak
Bonissone, Piero Patrone
Widmer, Neil Colin
(31) 276559
(32) 06.03.2006
(33) United States of America

(51) F01K 13/02
F01K 23/02
(11) EP3112621
(21) EP16177137.3
(47) 07.08.2019
(22) 30.06.2016
(54) POWER GENERATION SYSTEM AND POWER GENERATION METHOD
(73) Anest Iwata Corporation
(72) Fujioka, Tamotsu
Unami, Atsushi
Izumi, Takaaki
(31) 2015132993
(32) 01.07.2015
(33) Japan

(51) F01K 21/04
F01K 21/00
F04F 5/54
F04F 5/02
B01F 5/04
F01K 7/38
F01K 25/06
(11) EP2765278
(21) EP12826070.0
(47) 07.08.2019
(87) JP2012070425
28.02.2013
(22) 10.08.2012
(54) STEAM POWER CYCLE SYSTEM AND METHOD OF PRODUCING POWER
(73) Saga University
(72) IKEGAMI Yasuyuki
MORISAKI Takafumi
(31) 2011179525
(32) 19.08.2011
(33) Japan

(51) F01K 27/02
F01K 25/02
F01K 23/16
F01K 23/08
F01K 25/10
F01K 23/04
(11) EP2550436
(21) EP11760095.7
(47) 07.08.2019
(87) US2011029486
29.09.2011
(22) 22.03.2011
(54) HEAT ENGINES WITH CASCADE CYCLES
(73) Echogen Power Systems LLC
(72) HELD, Timothy J.
VERMEERSCH, Michael L.
XIE, Tao
MILLER, Jason D.
(31) 417775 P
316507 P
(32) 29.11.2010
23.03.2010
(33) United States of America
United States of America

(51) F01L 1/344
(11) EP3158173

(21) EP15771027.8
(47) 07.08.2019
(87) EP2015063454
23.12.2015
(22) 16.06.2015
(54) OSCILLATING MOTOR-TYPE PHASER FOR A CAMSHAFT
(73) Hilite Germany GmbH
(72) HENTSCH, Florian
GAUTIER, Patrick
(31) 102014009091
(32) 19.06.2014
(33) Germany

(51) F01L 1/344
(11) EP3325780
(21) EP16734256.7
(47) 07.08.2019
(87) EP2016064890
26.01.2017
(22) 27.06.2016
(54) VALVE
(73) Delphi Automotive Systems Luxembourg SA
(72) LEBLAY, Arnaud
BOURNICHE, Eric
BERHIN, Rodrigue
(31) 201512687
(32) 20.07.2015
(33) United Kingdom

(51) F01L 1/344
F01L 1/04
(11) EP3149292
(21) EP15719446.5
(47) 07.08.2019
(87) EP2015058680
03.12.2015
(22) 22.04.2015
(54) VALVE DRIVE WITH ADUSTABLE CAMSHAFT
(73) ThyssenKrupp Presta TecCenter AG
(72) MEUSEL, Jürgen
KUNZ, Michael
(31) 102014107459
(32) 27.05.2014
(33) Germany

(51) F01M 1/08
F01M 11/02
F02F 1/04
F01P 11/04
F01P 3/00
F01P 3/08
F02B 75/20
F02F 1/00
F02F 1/14
F02F 11/00
(11) EP2942499
(21) EP14001237.8
(47) 07.08.2019
(22) 04.04.2014
(54) Oil channel for engine
(73) Caterpillar Energy Solutions GmbH
(72) Stellwagen, Karl

(51) F01M 1/16
G01L 7/16
H01H 35/38
(11) EP2577007
(21) EP11730177.0
(47) 07.08.2019
(87) DK2011050196
08.12.2011
(22) 03.06.2011
(54) HYDRAULIC SYSTEM FOR CENTRAL LUBRICATION OF ENGINE CYLINDERS
(73) Hans Jensen Lubricators A/S
(72) BAK, Peer
(31) 201070249
(32) 04.06.2010
(33) Denmark

(51) F01M 9/06
F01M 9/10
F01M 9/12
F01M 1/06
(11) EP3303783
(21) EP16734428.2
(47) 07.08.2019
(87) FR2016051369
15.12.2016
(22) 08.06.2016
(54) DEVICE FOR SUPPLYING A CAMSHAFT WITH LUBRICATION
(73) RENAULT s.a.s.
(72) JUSTET, Frédéric
MOULIN, Jean-François
EBERHARDT, Guy
(31) 1555193
(32) 08.06.2015
(33) France

(51) F01M 11/06
F01M 11/04
F01M 9/10
F16N 7/00
F16N 19/00
F16N 37/00
F01M 1/02
(11) EP3030761
(21) EP14834683.6
(47) 07.08.2019
(87) US2014050113
12.02.2015
(22) 07.08.2014
(54) LUBRICATION SYSTEM AUTOMATIC REFILL SHUTOFF
(73) Graco Minnesota Inc.
(72) HOLMAN, John, C.
KLAPHAKE, Andrew, J.
(31) 201361863334 P
(32) 07.08.2013
(33) United States of America

(51) F01N 1/06
F01N 1/00
F01N 13/18
F01N 13/02
(11) EP3307995
(21) EP16727524.7
(47) 07.08.2019
(87) EP2016062995
15.12.2016
(22) 08.06.2016
(54) VEHICLE EXHAUST ASSEMBLY
(73) Jaguar Land Rover Limited
(72) FLETCHER, Simon
PETLEY, Dean
(31) 201510233
(32) 12.06.2015
(33) United Kingdom

(51) F01N 1/06
G10K 15/08
(11) EP2834808
(21) EP13714183.4
(47) 07.08.2019
(87) CH2013000054
03.10.2013
(22) 27.03.2013
(54) ACCOUSTIC WAVE REPRODUCTION SYSTEM
(73) ETH Zurich
(72) ROBERTSSON, Johan, Olof, Anders
(31) 201205693
201209118
(32) 30.03.2012
22.05.2012
(33) United Kingdom
United Kingdom

(51) F01N 3/00
F01N 3/02
F01N 3/24
F01N 3/28
F01N 13/00
F02B 77/00
F02D 35/00
F01N 3/10
F01N 3/035
F01N 11/00
F01N 13/18
F01N 3/021
F01P 5/02
F02F 1/24
(11) EP3121399
(21) EP15764374.3
(47) 07.08.2019
(87) JP2015056378
24.09.2015
(22) 04.03.2015
(54) ENGINE DEVICE
(73) Yanmar Co., Ltd.
(72) KUSAKA Hokuto
MIYAZAKI Kazuyuki
(31) 2014056917
(32) 19.03.2014
(33) Japan

(51) F01N 3/021
F01N 3/023
F01N 3/035
F01N 3/10
F01N 3/20
F01N 9/00
F01N 13/00
B01D 46/00
B01D 53/94
(11) EP3134624
(21) EP15755231.6
(47) 07.08.2019
(87) SE2015050220
03.09.2015
(22) 27.02.2015
(54) EXHAUST TREATMENT SYSTEM AND METHOD FOR TREATMENT OF AN EXHAUST STREAM
(73) Scania CV AB
(72) NILSSON, Magnus
BIRGERSSON, Henrik
(31) 1450229
1450230
(32) 28.02.2014
28.02.2014

(33) Sweden
Sweden

(51) F01N 3/10
F01N 3/20
F01N 3/035
F01N 13/00
F01N 3/021
F01N 3/023
F01N 9/00
B01D 46/00
B01D 53/94
(11) EP3134625
(21) EP15755632.5
(47) 07.08.2019
(87) SE2015050223
03.09.2015
(22) 27.02.2015
(54) DEVICE AND METHOD COMPRISING DOUBLE REDUCING DEVICES AND A CATALYTICALLY COATED PARTICLE FILTER FOR TREATMENT OF AN EXHAUST STREAM
(73) Scania CV AB
(72) NILSSON, Magnus
BIRGERSSON, Henrik
(31) 1450230
1450229
(32) 28.02.2014
28.02.2014
(33) Sweden
Sweden

(51) F01N 3/20
(11) EP2723999
(21) EP12723489.6
(47) 07.08.2019
(87) EP2012059722
27.12.2012
(22) 24.05.2012
(54) INJECTION DEVICE
(73) Robert Bosch GmbH
(72) GOTTWALD, Frank
(31) 102011077953
(32) 22.06.2011
(33) Germany

(51) F01N 3/20
F01N 3/08
F01N 3/24
B01D 53/94
F01N 13/08
F01N 3/10
(11) EP2918807
(21) EP13846149.6
(47) 07.08.2019
(87) JP2013076976
17.04.2014
(22) 03.10.2013
(54) EXHAUST GAS PURIFICATION DEVICE
(73) Yanmar Co., Ltd.
(72) YOKOYAMA Tetsuya
INOUE Tsuyoshi
(31) 2012224133
(32) 09.10.2012
(33) Japan

(51) F01N 3/20
F01N 3/36
F02M 61/18
F01N 3/28
(11) EP3189219
(21) EP15837240.9
(47) 07.08.2019
(87) SE2015050901
10.03.2016
(22) 26.08.2015
(54) ARRANGEMENT TO INTRODUCE A REDUCING AGENT INTO AN EXHAUST STREAM
(73) Scania CV AB
(72) JOHANSSON, Lars
YITBAREK, Zemichael
(31) 1451025
(32) 03.09.2014
(33) Sweden

(51) F01N 3/20
F01N 9/00
F01N 3/10
(11) EP2865859
(21) EP14189312.3
(47) 07.08.2019
(22) 17.10.2014
(54) Gaseous reductant injection control system
(73) AI ALPINE US BIDCO INC.
(72) Devarakonda, Maruthi Narasinga Rao
(31) 201314062098
(32) 24.10.2013
(33) United States of America

(51) F01N 3/20
F01N 9/00
F01N 11/00
F01N 3/08
(11) EP3158174
(21) EP15738486.8
(47) 07.08.2019
(87) JP2015002981
23.12.2015
(22) 15.06.2015
(54) DETERIORATION DIAGNOSIS APPARATUS FOR EXHAUST GAS PURIFICATION APPARATUS
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) HAGIWARA, Koji
KIDOKORO, Toru
IWAZAKI, Yasushi
YOSHIDA, Taisuke
(31) 2014127654
(32) 20.06.2014
(33) Japan

(51) F01N 3/20
F01N 11/00
(11) EP3320195
(21) EP16733303.8
(47) 07.08.2019
(87) EP2016001094
12.01.2017
(22) 28.06.2016
(54) METHOD FOR OPERATING AN EXHAUST GAS AFTERTREATMENT SYSTEM COMPRISING A SELECTIVE CATALYTIC REDUCTION CATALYST
(73) MTU Friedrichshafen GmbH
(72) NIEMEYER, Jens
SPÄDER, Tim
(31) 102015212700
(32) 07.07.2015
(33) Germany

(51) F01N 3/20
F01N 13/00
F01N 3/10
F01N 11/00
F01N 3/023
F01N 9/00
F01N 3/021
F01N 3/035
B01D 46/00
B01D 53/94
(11) EP3111065
(21) EP15755558.2
(47) 07.08.2019
(87) SE2015050225
03.09.2015
(22) 27.02.2015
(54) SYSTEM AND METHOD FOR PURIFICATION OF AN EXHAUST STREAM BY USE OF TWO REDUCTION CATALYSTS
(73) Scania CV AB
(72) NILSSON, Magnus
BIRGERSSON, Henrik
(31) 1450229
1450230
(32) 28.02.2014
28.02.2014
(33) Sweden
Sweden

(51) F01N 3/20
F01N 13/00
F01N 3/10
F01N 11/00
F01N 3/023
F01N 9/00
F01N 3/021
F01N 3/035
B01D 46/00
B01D 53/94
(11) EP3111064
(21) EP15754802.5
(47) 07.08.2019
(87) SE2015050222
03.09.2015
(22) 27.02.2015
(54) EXHAUST TREATMENT SYSTEM AND METHOD FOR TREATMENT OF AN EXHAUST STREAM
(73) Scania CV AB
(72) NILSSON, Magnus
BIRGERSSON, Henrik
(31) 1450229
1450230
(32) 28.02.2014
28.02.2014
(33) Sweden
Sweden

(51) F01N 3/20
F01N 13/00
F01N 3/10
F01N 11/00
F01N 3/023
F01N 9/00
F01N 3/021
F01N 3/035
B01D 46/00
B01D 53/94
(11) EP3111067
(21) EP15755785.1
(47) 07.08.2019

(87) SE2015050224
03.09.2015
(22) 27.02.2015
(54) EXHAUST TREATMENT SYSTEM AND METHOD FOR TREATMENT OF AN EXHAUST STREAM
(73) Scania CV AB
(72) NILSSON, Magnus
BIRGERSSON, Henrik
(31) 1450229
1450230
(32) 28.02.2014
28.02.2014
(33) Sweden
Sweden

(51) F01N 3/20
F01N 13/00
F01N 3/10
F01N 11/00
F01N 3/023
F01N 9/00
F01N 3/021
F01N 3/035
B01D 46/00
B01D 53/94
(11) EP3111072
(21) EP15755143.3
(47) 07.08.2019
(87) SE2015050226
03.09.2015
(22) 27.02.2015
(54) DEVICE AND METHOD FOR IMPACTING THE AMOUNT OF NITROGEN OXIDES IN EXHAUST GASES FROM AN INTERNAL COMBUSTION ENGINE
(73) Scania CV AB
(72) NILSSON, Magnus
BIRGERSSON, Henrik
(31) 1450229
1450230
(32) 28.02.2014
28.02.2014
(33) Sweden
Sweden

(51) F01N 3/20
G01L 27/02
B01D 53/90
B01D 53/94
(11) EP1745197
(21) EP05729623.8
(47) 07.08.2019
(87) EP2005051479
17.11.2005
(22) 01.04.2005
(54) METHOD FOR INTRODUCING A REAGENT INTO AN EXHAUST GAS CHANNEL OF AN INTERNAL COMBUSTION ENGINE
(73) ROBERT BOSCH GMBH
(72) GERLACH, Michael
(31) 102004022115
(32) 05.05.2004
(33) Germany

(51) F01N 3/28
F01N 3/20
H05B 3/12
H05B 3/78
B60K 13/04
B60K 15/03
(11) EP3263861
(21) EP16755865.9
(47) 07.08.2019
(87) KR2016001780
01.09.2016
(22) 24.02.2016
(54) HEATING STRUCTURE, PRODUCTION METHOD THEREFOR, AND PUMP MODULE COMPRISING SAME
(73) Hyundam Industrial Co., Ltd.
(72) HWANG, Yong-Taek
JEON, Chan-Yo
CHO, Bu-Hyeon
(31) 20150027573
(32) 26.02.2015
(33) Korea (Republic)

(51) F01N 9/00
F01N 3/021
F01N 3/023
B01D 46/00
B01D 46/44
B01D 46/46
F01N 3/035
F01N 3/025
F01N 3/027
(11) EP3199776
(21) EP17152673.4
(47) 07.08.2019
(22) 23.01.2017
(54) EXHAUST GAS CONTROL SYSTEM FOR INTERNAL COMBUSTION ENGINE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) IMAI, Daichi
NISHIOKA, Hiromasa
FUJIWARA, Kiyoshi
YAMASHITA, Yoshio
TANAKA, Kouta
(31) 2016013580
(32) 27.01.2016
(33) Japan

(51) F01N 13/10
(11) EP3303793
(21) EP16730039.1
(47) 07.08.2019
(87) SE2016050489
08.12.2016
(22) 27.05.2016
(54) EXHAUST MANIFOLD
(73) Scania CV AB
(72) PETERSSON, Kim
KONSTANZER, Dennis
SVENSSON, Thomas
ANDERSSON, Jenny
(31) 1550729
(32) 04.06.2015
(33) Sweden

(51) F01P 3/20
F01P 7/16
F01P 5/12
B64D 27/08
B64D 27/14
B64D 33/08
F15B 21/042
B64C 27/00
B64C 29/00
B64D 35/02
F01P 11/12
F01P 11/18
F01P 3/00
F01P 7/14
(11) EP3339600
(21) EP17200687.6
(47) 07.08.2019
(22) 08.11.2017
(54) ENGINE COOLING SYSTEMS FOR AIRCRAFT
(73) Bell Helicopter Textron Inc.
(72) BRODEUR, Nicholas
(31) 201615384495
(32) 20.12.2016
(33) United States of America

(51) F02B 19/10
F02P 15/08
F02B 19/18
F02B 19/12
H01T 13/54
F02P 13/00
(11) EP2836690
(21) EP14734707.4
(47) 07.08.2019
(87) US2014041758
18.12.2014
(22) 10.06.2014
(54) MUTLI-CHAMBER IGNITER
(73) Woodward, Inc.
(72) CHIERA, Domenico
POLLEY, Nolan
HAMPSON, Gregory James
(31) 201313913840
(32) 10.06.2013
(33) United States of America

(51) F02B 25/04
F02M 21/02
F02B 7/08
(11) EP2949901
(21) EP14743457.5
(47) 07.08.2019
(87) JP2014050014
31.07.2014
(22) 06.01.2014
(54) UNIFLOW-SCAVENGED TWO-CYCLE ENGINE AND FUEL INJECTION METHOD FOR UNIFLOW-SCAVENGED TWO-CYCLE ENGINE
(73) IHI Corporation
(72) MASUDA, Yutaka
YAMADA, Takeshi
HIROSE, Takayuki
YAMADA, Takayuki
KUGE, Takahiro
(31) 2013013559
(32) 28.01.2013
(33) Japan

(51) F02B 37/00
F02B 37/013
F02M 35/10
F02M 35/16
F02B 67/10
F02M 26/08
F02M 26/09
F02M 26/32
(11) EP3064737
(21) EP14857650.7
(47) 07.08.2019

(87) JP2014078130
07.05.2015
(22) 22.10.2014
(54) ENGINE DEVICE
(73) Yanmar Co., Ltd.
(72) HAMAOKA, Shunji
NISHIURA, Fumihiro
YOKOYAMA, Tetsuya
(31) 2013223637
(32) 28.10.2013
(33) Japan

(51) F02B 37/007
F02B 39/02
F04D 17/12
F04D 25/16
F02B 39/00
(11) EP2446129
(21) EP10797529.4
(47) 07.08.2019
(87) US2010039111
13.01.2011
(22) 18.06.2010
(54) TURBOCHARGER WITH TWO-STAGE COMPRESSOR, INCLUDING A TWIN-WHEEL PARALLEL-FLOW FIRST STAGE
(73) Garrett Transportation I Inc.
(72) ARNOLD, Steven D.
SMITH, Will J.
GUIDRY, Mike
LOTTERMAN, Jeff
REYENGA, James
LEI, Vai-Man
SINGHAL, Asit
BUNSIRISERT, Kevin
(31) 489614
(32) 23.06.2009
(33) United States of America

(51) F02B 37/18
F02C 6/12
F01D 17/10
F01D 17/18
F01D 17/14
F01D 25/12
F01D 25/14
F01D 25/24
(11) EP3090161
(21) EP14830573.3
(47) 07.08.2019
(87) IB2014002863
02.07.2015
(22) 23.12.2014
(54) TURBOCHARGER WITH IMPROVED BYPAS VALVE SEALING
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) IWATA, Akitoshi
(31) 2013269563
(32) 26.12.2013
(33) Japan

(51) F02B 37/18
F02M 26/05
F02M 26/08
F02M 26/09
F02B 37/013
(11) EP3314105
(21) EP16730847.7
(47) 07.08.2019
(87) EP2016064196
29.12.2016
(22) 20.06.2016
(54) AN INTERNAL COMBUSTION ENGINE SYSTEM
(73) Volvo Truck Corporation
(72) ARONSSON, Ulf
BAUER, Martin
ADLOUNI, Mohammed
(31) PCT/EP2015/064080
(32) 23.06.2015
(33) World Intellectual Property Office (WIPO)

(51) F02B 39/00
F02B 37/10
F02B 39/10
H02K 1/28
H02K 1/30
H02K 11/00
F02C 6/12
(11) EP3279446
(21) EP17190092.1
(47) 07.08.2019
(22) 04.06.2012
(54) MOTOR ROTOR STRUCTURE FOR ELECTRIC TURBO CHARGER AND METHOD OF ASSEMBLING SAME
(73) Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.
(72) YAMASHITA, Yukio
HAYASHI, Noriyuki
IBARAKI, Seiichi
OSAKO, Katsuyuki
EBISU, Motoki
AN, Byeongil
SUZUKI, Hiroshi
ARITA, Hideaki
GOTO, Takashi
MIYAKE, Toshihiko
(31) 2011127914
(32) 08.06.2011
(33) Japan

(51) F02B 39/00
F02B 37/10
F02B 39/10
H02K 1/28
H02K 1/30
H02K 11/21
F02C 6/12
H02K 5/124
H02K 5/16
(11) EP3279445
(21) EP17190085.5
(47) 07.08.2019
(22) 04.06.2012
(54) MOTOR ROTOR STRUCTURE FOR ELECTRIC TURBO CHARGER AND METHOD OF ASSEMBLING SAME
(73) Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.
(72) YAMASHITA, Yukio
HAYASHI, Noriyuki
IBARAKI, Seiichi
OSAKO, Katsuyuki
EBISU, Motoki
AN, Byeongil
SUZUKI, Hiroshi
ARITA, Hideaki
GOTO, Takashi
MIYAKE, Toshihiko
(31) 2011127914
(32) 08.06.2011
(33) Japan

(51) F02B 77/00
F02F 1/36
B22C 9/02
B22C 9/10
(11) EP3017164
(21) EP14738548.8
(47) 07.08.2019
(87) FR2014051391
08.01.2015
(22) 10.06.2014
(54) METAL PART PRODUCED BY MOULDING COMPRISING INNER RECESSES, METHOD FOR PRODUCING SAME AND INTERNAL COMBUSTION ENGINE COMPRISING SUCH A PART
(73) Renault S.A.S.
(72) PONT, Mathieu
EBERHARDT, Guy
(31) 1356426
(32) 02.07.2013
(33) France

(51) F02C 1/02
F02C 6/04
F02C 7/14
F02C 7/18
F02C 6/08
(11) EP3263866
(21) EP16290122.7
(47) 07.08.2019
(22) 29.06.2016
(54) SYSTEM AND METHOD FOR GENERATING ELECTRICAL ENERGY IN A VEHICLE
(73) Airbus Operations GmbH
Airbus SAS
(72) Bammann, Holger
Trümper, Torsten
Sieme, Martin
Schult, Jens
Chen, Paul
Poirier, Didier

(51) F02C 3/04
F02C 1/06
F02C 7/10
F02C 3/34
F02C 6/18
F02C 9/18
F02C 7/08
(11) EP3186498
(21) EP15774550.6
(47) 07.08.2019
(87) EP2015071985
14.04.2016
(22) 24.09.2015
(54) GAS TURBINE ARRANGEMENT
(73) Dürr Systems AG
(72) KUTNJAK, Josip
ERTEL, Urs
WIDENHORN, Axel
(31) 102014220296
(32) 07.10.2014
(33) Germany

(51) F02C 6/08
B64D 13/08
(11) EP2476882

(21) EP11196219.7
(47) 07.08.2019
(22) 30.12.2011
(54) Bleed valve module
(73) Hamilton Sundstrand Corporation
(72) Army, Donald E.
(31) 201113006849
(32) 14.01.2011
(33) United States of America

(51) F02C 6/08
F02C 7/18
F02C 7/32
(11) EP3296543
(21) EP17191941.8
(47) 07.08.2019
(22) 19.09.2017
(54) GAS TURBINE ENGINE WITH INTERCOOLED COOLING AIR AND TURBINE DRIVE
(73) United Technologies Corporation
(72) SNAPE, Nathan
(31) 201615269014
(32) 19.09.2016
(33) United States of America

(51) F02C 7/00
F01D 25/00
G01D 21/00
G01D 11/30
G01L 19/16
G01K 1/14
G01K 7/02
G01B 21/32
(11) EP3068994
(21) EP14862211.1
(47) 07.08.2019
(87) US2014065744
21.05.2015
(22) 14.11.2014
(54) COMPONENT WITH EMBEDDED SENSOR
(73) United Technologies Corporation
(72) SCHMIDT, Wayde R.
CULP, Slade R.
(31) 201361904749 P
(32) 15.11.2013
(33) United States of America

(51) F02C 7/06
F01M 5/00
(11) EP2809915
(21) EP13775295.2
(47) 07.08.2019
(87) US2013021794
17.10.2013
(22) 17.01.2013
(54) GAS TURBINE ENGINE WITH GEARED TURBOFAN AND OIL THERMAL MANAGEMENT SYSTEM
(73) United Technologies Corporation
(72) PHILLIPS, Kathleen R.
PHILLIPS, Thomas G.
STEARNS, Ethan K.
PAPA, Federico
(31) 201213361997
(32) 31.01.2012
(33) United States of America

(51) F02C 7/12
F01D 25/12
F02K 3/00
F01D 9/06
(11) EP2935833
(21) EP13863795.4
(47) 07.08.2019
(87) US2013075949
26.06.2014
(22) 18.12.2013
(54) GAS TURBINE ENGINE INCLUDING A PRE-DIFFUSER HEAT EXCHANGER
(73) United Technologies Corporation
(72) CAPRARIO, Joseph, T.
GREGG, Shawn, J.
HYLAND, Dave, J.
(31) 201213724320
(32) 21.12.2012
(33) United States of America

(51) F02C 7/232
F02C 7/236
F04C 14/02
(11) EP3120004
(21) EP15802430.7
(47) 07.08.2019
(87) US2015020897
10.12.2015
(22) 17.03.2015
(54) ACTUATION ASSEMBLY AND METHOD OF OPERATING AN ACTUATOR
(73) Eaton Corporation
(72) NYZEN, Robert
CLEMENTS, Martin, A.
(31) 201461954484 P
(32) 17.03.2014
(33) United States of America

(51) F02C 7/25
F01D 25/14
B64D 29/00
(11) EP3187718
(21) EP16205550.3
(47) 07.08.2019
(22) 20.12.2016
(54) CORE COMPARTMENT VENTILATION DEVICES FOR NACELLES OF GAS TURBINE ENGINES FOR COOLING A CORE COMPARTMENT OF A GAS TURBINE ENGINE
(73) United Technologies Corporation
(72) SAWYERS-ABBOTT, Nigel David
(31) 201514981229
(32) 28.12.2015
(33) United States of America

(51) F02C 7/28
F01D 25/28
F01D 11/00
F01D 9/02
(11) EP2938868
(21) EP13869595.2
(47) 07.08.2019
(87) US2013075475
03.07.2014
(22) 16.12.2013
(54) FLOW DIVERTER ASSEMBLY
(73) United Technologies Corporation
(72) VO, Tuan, David
(31) 201261747247 P
(32) 29.12.2012
(33) United States of America

(51) F02C 7/36
F02K 3/06
F16H 57/08
F16H 57/04
(11) EP2518296
(21) EP12166084.9
(47) 07.08.2019
(22) 27.04.2012
(54) FAN DRIVE GEAR SYSTEM INTEGRATED CARRIER AND TORQUE FRAME
(73) United Technologies Corporation
(72) Sheridan, William G.
(31) 201113095324
(32) 27.04.2011
(33) United States of America

(51) F02C 9/16
(11) EP2778374
(21) EP14158678.4
(47) 07.08.2019
(22) 10.03.2014
(54) Plasma actuated airfoil cascade airflow directing system
(73) Honeywell International Inc.
(72) Nolcheff, Nick
Frias, Dan
Corke, Thomas C.
Morris, Scott C.
(31) 201313843246
(32) 15.03.2013
(33) United States of America

(51) F02D 11/02
F02B 63/02
F02D 9/02
G05G 1/04
G05G 7/10
(11) EP3219966
(21) EP15859350.9
(47) 07.08.2019
(87) JP2015081120
19.05.2016
(22) 05.11.2015
(54) WIRE THROTTLE ADJUSTMENT DEVICE
(73) Yamabiko Corporation
(72) KAWAMURA, Kunimune
UMETANI, Kazuhiro
(31) 2014228254
(32) 10.11.2014
(33) Japan

(51) F02D 13/02
F01L 1/16
F01L 1/14
F01L 9/02
(11) EP3245394
(21) EP14821229.3
(47) 07.08.2019
(87) FI2014050960
16.06.2016
(22) 08.12.2014
(54) A METHOD OF CONTROLLING AN OPERATION OF AN INLET VALVE SYSTEM AND AN INLET VALVE CONTROL SYSTEM
(73) Wärtsilä Finland Oy
(72) HEDVIK, Sören
SUNDSTEN, Magnus

(51) F02D 29/02
B63H 21/21
B63H 21/22

B63H 23/10
(11) EP3153686
(21) EP15802492.7
(47) 07.08.2019
(87) JP2015002789
10.12.2015
(22) 02.06.2015
(54) ENGINE CONTROL DEVICE
(73) Yanmar Co., Ltd.
(72) OKUDA, Hiroyuki
(31) 2014117513
(32) 06.06.2014
(33) Japan

(51) F02D 29/02
F02D 45/00
F02N 11/08
(11) EP3369912
(21) EP15907183.6
(47) 07.08.2019
(87) JP2015005470
04.05.2017
(22) 30.10.2015
(54) INFORMATION PROVIDING METHOD FOR VEHICLE AND INFORMATION PROVIDING DEVICE FOR VEHICLE
(73) Nissan Motor Co., Ltd.
(72) OKITSU, Yuta
SHIMIZU, Hiromoto
SATOU, Haruki
NOJI, Tadafumi
SHINOHARA, Tetsuya

(51) F02D 41/14
F02D 41/40
F02D 35/02
F02D 41/00
F02D 19/06
F02D 13/02
(11) EP3192997
(21) EP16151119.1
(47) 07.08.2019
(22) 13.01.2016
(54) METHOD AND SYSTEM FOR OPTIMIZING THE FUEL CONSUMPTION OF A TWO-STROKE TURBOCHARGED SLOW RUNNING DIESEL ENGINE
(73) Winterthur Gas & Diesel Ltd.
(72) Akrour, Matthieu

(51) F02D 41/40
F02D 35/02
F02D 41/30
F02B 15/02
F02B 9/04
F02D 41/38
(11) EP3246552
(21) EP17169555.4
(47) 07.08.2019
(22) 04.05.2017
(54) CONTROL SYSTEM OF COMPRESSION IGNITION TYPE INTERNAL COMBUSTION ENGINE
(73) Toyota Jidosha Kabushiki Kaisha
(72) SHIMIZU, Hajime
TAKADA, Noriyuki
TAKASU, Yusuke
(31) 2016098742
(32) 17.05.2016
(33) Japan

(51) F02D 45/00
(11) EP2400136
(21) EP09840326.4
(47) 07.08.2019
(87) JP2009052772
26.08.2010
(22) 18.02.2009
(54) DETECTOR FOR INTERNAL-COMBUSTION ENGINE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) MAGARIDA, Naofumi

(51) F02F 1/24
F01L 3/02
F02B 77/11
F02F 1/00
F02F 3/00
F02F 3/10
F02F 3/12
C23C 28/04
C23C 28/00
F02B 23/08
F01L 3/04
F02B 23/06
(11) EP2787207
(21) EP12854385.7
(47) 07.08.2019
(87) JP2012081208
06.06.2013
(22) 30.11.2012
(54) ENGINE COMBUSTION CHAMBER STRUCTURE, AND INNER WALL STRUCTURE OF THROUGH CHANNEL
(73) NGK Insulators, Ltd.
(72) TOMITA, Takahiro
ICHIMURA, Mikiya
HASHIMOTO, Shigeharu
(31) 2011264946
PCT/JP2011/078477
(32) 02.12.2011
08.12.2011
(33) Japan
World Intellectual Property Office (WIPO)

(51) F02G 1/053
(11) EP3350433
(21) EP16775804.4
(47) 07.08.2019
(87) FR2016052232
23.03.2017
(22) 07.09.2016
(54) DUAL-ACTING EXPANSION CYLINDER WITH ADAPTIVE SUPPORT
(73) Rabhi, Vianney
(72) Rabhi, Vianney
(31) 1558585
(32) 14.09.2015
(33) France

(51) F02K 1/72
B64D 29/02
(11) EP3309380
(21) EP17191393.2
(47) 07.08.2019
(22) 15.09.2017
(54) GAS TURBINE NACELLE COMPRISING A THRUST REVERSER FLAP
(73) Airbus Operations S.A.S.
Airbus (S.A.S.)
(72) OBERLE, Patrick
SURPLY, Thierry
BILLEROT, Vincent
PIARD, Frédéric
JOLIVET, Nicolas
OUNDJIAN, Franck
LETAY, Benoit
PORTE, Alain
SAUVALLE, Thomas
(31) 1660018
(32) 17.10.2016
(33) France

(51) F02K 1/72
F02K 1/76
(11) EP2697497
(21) EP12721330.4
(47) 07.08.2019
(87) FR2012050796
18.10.2012
(22) 12.04.2012
(54) THRUST REVERSER FOR AIRCRAFT TURBOFAN ENGINE
(73) Safran Nacelles
(72) DEZEUSTRE, Nicolas
KERBLER, Olivier
HURLIN, Hervé
MORADELL-CASELLAS, Pierre
(31) 1101160
(32) 14.04.2011
(33) France

(51) F02K 1/72
F02K 1/76
F01D 17/24
(11) EP2667005
(21) EP13165423.8
(47) 07.08.2019
(22) 25.04.2013
(54) Thrust reverser system
(73) The Boeing Company
(72) Bol, Eric D.
(31) 201213480299
(32) 24.05.2012
(33) United States of America

(51) F02K 1/82
F02C 7/045
G10K 11/172
(11) EP2478202
(21) EP09849593.0
(47) 07.08.2019
(87) SE2009000413
24.03.2011
(22) 17.09.2009
(54) A NOISE ATTENUATION PANEL AND A GAS TURBINE COMPONENT COMPRISING A NOISE ATTENUATION PANEL
(73) GKN Aerospace Sweden AB
(72) OLANDER BURAK, Markus
ERIKSSON, Lars-Erik

(51) F02K 3/06
F02C 7/18
B64D 33/08
(11) EP3081799
(21) EP15163535.6
(47) 07.08.2019
(22) 14.04.2015
(54) TURBO ENGINE WITH A FLUID DUCT SYSTEM
(73) Rolls-Royce Deutschland Ltd & Co KG
(72) Teia Dos Santos Mendes Gomes, Luis Daniel

(51) F02K 3/077
F02K 3/065
F02C 7/04
(11) EP3187723
(21) EP16203694.1
(47) 07.08.2019
(22) 13.12.2016
(54) SYSTEM FOR IN-LINE DISTRIBUTED PROPULSION
(73) General Electric Company
(72) MILLER, Brandon Wayne
JOSHI, Narendra Digamber
PRENTICE, Ian Francis
MURROW, Kurt David
(31) 201514982793
(32) 29.12.2015
(33) United States of America

(51) F02K 7/18
F02K 7/10
F02K 9/97
F02K 9/32
(11) EP3371446
(21) EP16790812.8
(47) 07.08.2019
(87) US2016057603
11.05.2017
(22) 19.10.2016
(54) FRAGMENTING NOZZLE SYSTEM
(73) Aerojet Rocketdyne, Inc.
(72) STRACENER, Phillip
DERSTINE, Mark S.
MENDILLO, John
(31) 201562252269 P
(32) 06.11.2015
(33) United States of America

(51) F02M 26/00
F02D 23/00
F02D 45/00
F02D 41/10
F02D 41/00
F02D 41/14
(11) EP3121432
(21) EP14886558.7
(47) 07.08.2019
(87) JP2014057779
24.09.2015
(22) 20.03.2014
(54) CONTROL DEVICE AND CONTROL METHOD FOR DIESEL ENGINE
(73) Nissan Motor Co., Ltd
(72) SANO, Shigehisa
UEHARA, Isshou

(51) F02M 35/10
F02B 25/04
F02B 25/22
F02B 33/04
F02B 33/44
F02B 17/00
(11) EP3273048
(21) EP17174004.6
(47) 07.08.2019
(22) 01.06.2017
(54) SUCTION TUBE OF STRATIFIED SCAVENGING ENGINE
(73) Yamabiko Corporation
(72) YONEYAMA, Kazuhiro
MIYAZAKI, Hiroshi
(31) 2016142615
(32) 20.07.2016
(33) Japan

(51) F02M 37/22
(11) EP3382193
(21) EP18163598.8
(47) 07.08.2019
(22) 23.03.2018
(54) FUEL FILTER FOR FILTERING FUEL IN A MOTOR VEHICLE AND MOTOR VEHICLE WITH SUCH A FUEL FILTER
(73) Mahle International GmbH
(72) BRAUNHEIM, Michael
PUSCHL, Arno
SCHILD, Stephan
STEINHOFF, Michael
WEMBER, Raphael
(31) 102017205446
(32) 30.03.2017
(33) Germany

(51) F02M 37/22
B01D 35/30
B01D 27/08
(11) EP2815120
(21) EP12868540.1
(47) 07.08.2019
(87) US2012028468
22.08.2013
(22) 09.03.2012
(54) FILTER CARTRIDGE ASSEMBLY AND METHOD OF MANUFACTURE THEREOF
(73) Clarcor Engine Mobile Solutions, LLC
(72) MOORE, Jonathan, D.
PRIBANIC, Justin, R.
SASUR, Timothy, M.
(31) 201213371562
(32) 13.02.2012
(33) United States of America

(51) F02M 47/02
F02M 63/00
(11) EP3322891
(21) EP16732669.3
(47) 07.08.2019
(87) EP2016065088
19.01.2017
(22) 29.06.2016
(54) SWITCHING VALVE FOR A FUEL INJECTOR, AND FUEL INJECTOR
(73) Robert Bosch GmbH
(72) KRAUSE, Michael
OLEMS, Lars
MIEHLE, Tilman
AMELANG, Stephan
NIERYCHLO, Thomas
TUERKER, Oezguer
SCHNAUFER, Axel
(31) 102015213141
(32) 14.07.2015
(33) Germany

(51) F02M 51/06
F02M 61/20
(11) EP3263884
(21) EP16177113.4
(47) 07.08.2019
(22) 30.06.2016
(54) INJECTION VALVE WITH A MAGNETIC RING ELEMENT
(73) Continental Automotive GmbH
(72) Gargiulo, Luigi
Agresta, Antonio
Mechi, Marco

(51) F02M 51/06
F02M 61/20
(11) EP3339627
(21) EP17157333.0
(47) 07.08.2019
(22) 22.02.2017
(54) VALVE ASSEMBLY AND FLUID INJECTION VALVE
(73) Continental Automotive GmbH
(72) Grandi, Mauro
Filippi, Stefano
Schürz, Willibald, Dr.
(31) 16206541
(32) 23.12.2016
(33) European Patent Office (EPO)

(51) F02M 55/00
F02M 55/02
F02M 61/14
(11) EP3017182
(21) EP14732570.8
(47) 07.08.2019
(87) EP2014063416
08.01.2015
(22) 25.06.2014
(54) HIGH PRESSURE FLUID CONNECTION
(73) Delphi Technologies IP Limited
(72) GRAHAM, Mark S.
HARCOMBE, Anthony T.
(31) 13175394
(32) 05.07.2013
(33) European Patent Office (EPO)

(51) F02M 59/36
F02M 37/00
(11) EP3332111
(21) EP16732303.9
(47) 07.08.2019
(87) EP2016064861
09.02.2017
(22) 27.06.2016
(54) ELECTROMAGNETICALLY ACTUATABLE INTAKE VALVE FOR A HIGH-PRESSURE PUMP, AND HIGH-PRESSURE PUMP
(73) Robert Bosch GmbH
(72) CICHON, Gabriel
(31) 102015214878
(32) 04.08.2015
(33) Germany

(51) F02M 61/14
(11) EP3054149
(21) EP16000187.1
(47) 07.08.2019
(22) 27.01.2016
(54) DEVICE FOR FIXING AT LEAST ONE FUEL INJECTION NOZZLE
(73) Neander Motors AG
(72) Brüstle, Claus
Baindl, Rupert
(31) 102015001614
(32) 07.02.2015
(33) Germany

(51) F02M 61/16
F02M 61/18
F02M 61/10
(11) EP3329115

(21) EP16734610.5
(47) 07.08.2019
(87) EP2016065131
02.02.2017
(22) 29.06.2016
(54) METHOD FOR PRODUCING A NOZZLE BODY FOR A FLUID INJECTION VALVE, AND FLUID INJECTION VALVE
(73) Continental Automotive GmbH
(72) JOVOVIC, Dejan
ZHANG, Hong
(31) 102015214306
(32) 29.07.2015
(33) Germany

(51) F02M 65/00
F02M 47/02
F02M 51/00
(11) EP2990639
(21) EP15170274.3
(47) 07.08.2019
(22) 02.06.2015
(54) FUEL INJECTOR
(73) ROBERT BOSCH GMBH
(72) Rau, Andreas
Beier, Marco
(31) 102014216834
(32) 25.08.2014
(33) Germany

(51) F02M 69/16
F02M 59/44
F02C 7/232
F02C 9/26
(11) EP2655857
(21) EP11851274.8
(47) 07.08.2019
(87) US2011064594
28.06.2012
(22) 13.12.2011
(54) FLOW SENSING DUAL PUMP SWITCHING SYSTEM AND METHOD
(73) Woodward, Inc.
(72) BAKER, Carthel C.
BARYSHNIKOV, Dmitriy
(31) 972905
(32) 20.12.2010
(33) United States of America

(51) F02N 99/00
F02N 11/08
F02D 41/06
F02D 41/30
F02D 41/40
F02D 41/38
F02D 41/00
(11) EP2541042
(21) EP12173993.2
(47) 07.08.2019
(22) 28.06.2012
(54) Control device of direct injection engine
(73) Hitachi Automotive Systems, Ltd.
(72) Okamoto, Takashi
Arihara, Yoshinobu
Miyake, Takao
(31) 2011146235
(32) 30.06.2011
(33) Japan

(51) F03B 13/18
F03B 13/26
(11) EP3175111
(21) EP14894872.2
(47) 07.08.2019
(87) FI2014050485
23.12.2015
(22) 18.06.2014
(54) WAVE ENERGY RECOVERY APPARATUS WITH AN ENERGY TRANSFER ARRANGEMENT
(73) AW-Energy Oy
(72) PASANEN, Sami
ÅKERBERG, Jussi
JÄRVINEN, Arvo

(51) F03B 15/04
F03B 3/18
F03B 15/16
F03B 15/08
H02P 9/00
(11) EP3271572
(21) EP16764106.7
(47) 07.08.2019
(87) CA2016050319
22.09.2016
(22) 21.03.2016
(54) CONTROL SYSTEM FOR SUBMERSIBLE ELECTRIC MOTOR DRIVE CONTROL
(73) Franklin Empire
(72) ST-LAURENT, Daniel
FERLAND, Thomas
BOUCHARD, Samuel
OTTH, Denis
PICRON, Donat
(31) 201562135327 P
(32) 19.03.2015
(33) United States of America

(51) F03B 17/02
F03B 13/06
F03B 13/00
F15B 3/00
F15B 15/16
F15B 1/04
(11) EP2638278
(21) EP11840178.5
(47) 07.08.2019
(87) US2011060036
18.05.2012
(22) 09.11.2011
(54) APPARATUS UTILIZING BUOYANCY FORCES AND METHOD FOR USING SAME
(73) Travis, Wayne S.
(72) Travis, Wayne S.
(31) 411772 P
(32) 09.11.2010
(33) United States of America

(51) F03D 1/06
(11) EP2788617
(21) EP12791766.4
(47) 07.08.2019
(87) EP2012073793
13.06.2013
(22) 28.11.2012
(54) ROTOR BLADE AND CONNECTING DEVICE
(73) Wobben Properties GmbH
(72) KANNENBERG, Johannes
HOFFMANN, Alexander
(31) 102011088025
102012221117
(32) 08.12.2011
19.11.2012
(33) Germany
Germany

(51) F03D 1/06
B29C 70/16
(11) EP2954199
(21) EP14702626.4
(47) 07.08.2019
(87) EP2014052213
14.08.2014
(22) 05.02.2014
(54) LIMP, ELONGATE ELEMENT WITH GLASS STAPLE FIBRES
(73) LM WP Patent Holding A/S
(72) DAHL, Martin
NIELSEN, Lars
(31) 13154357
(32) 07.02.2013
(33) European Patent Office (EPO)

(51) F03D 3/06
F03D 15/00
(11) EP3314117
(21) EP16745782.9
(47) 07.08.2019
(87) FR2016051565
29.12.2016
(22) 24.06.2016
(54) CONTROLLED-DISPLACEMENT ACTIVE LIFT TURBINE
(73) Lecanu, Pierre
Breard, Joël
Sauton, Olivier
(72) LECANU, Pierre
(31) 1555859
(32) 25.06.2015
(33) France

(51) F03D 7/00
F03D 7/04
G06F 9/44
(11) EP3269975
(21) EP17185966.3
(47) 07.08.2019
(22) 17.09.2008
(54) METHOD AND ASSEMBLY FOR UPDATING OF A CONTROL SOFTWARE WITH A WIND TURBINE
(73) Senvion GmbH
(72) Altemark, Jens
Book, Markus
Kupper, Anton
(31) 102007045070
(32) 21.09.2007
(33) Germany

(51) F03D 7/02
(11) EP3314118
(21) EP16734178.3
(47) 07.08.2019
(87) DK2016050215
29.12.2016
(22) 22.06.2016
(54) INCREASING ACTIVE POWER FROM A WIND TURBINE
(73) Vestas Wind Systems A/S
(72) KJÆR, Martin Ansbjerg
HERBSLEB, Eik
KNUDSEN, Jan Vestergaard
THOMSEN, Jesper Sandberg

(31) 201570399
(32) 26.06.2015
(33) Denmark

(51) F03D 7/02
F03D 7/04
F03D 9/00
H02P 9/10
(11) EP2325479
(21) EP09769386.5
(47) 07.08.2019
(87) ES2009070244
30.12.2009
(22) 24.06.2009
(54) METHOD FOR CONTROLLING A WIND TURBINE
(73) Ingeteam Power Technology, S.A.
(72) MAYOR LUSARRETA, Jesús
GARMENDIA OLARREAGA, Iker
ACEDO SÁNCHEZ, Jorge
CÁRCAR MAYOR, Ainhoa
SOLÉ LÓPEZ, David
SIMÓN SEGURA, Susana
ZABALETA MAEZTU, Mikel
ELORRIAGA LLANOS, Josu
(31) 200801911
(32) 26.06.2008
(33) Spain

(51) F03D 7/04
F03D 1/04
(11) EP3173617
(21) EP16020472.3
(47) 07.08.2019
(22) 29.11.2016
(54) WINDPOWER PLANT
(73) Molnár, János
(72) Molnár, János
(31) 1500575
(32) 30.11.2015
(33) Hungary

(51) F03D 9/00
H02K 7/18
(11) EP2376776
(21) EP09807491.7
(47) 07.08.2019
(87) DE2009001794
24.06.2010
(22) 16.12.2009
(54) GENERATOR FOR A WIND ENERGY INSTALLATION AND METHOD FOR ITS PRODUCTION
(73) wind-direct GmbH
(72) JÖCKEL, Stephan
(31) 102008063783
(32) 18.12.2008
(33) Germany

(51) F03D 13/20
(11) EP3347594
(21) EP16766845.8
(47) 07.08.2019
(87) DK2016050296
16.03.2017
(22) 09.09.2016
(54) A TOWER SECTION FOR A TETHERED WIND TURBINE TOWER
(73) Vestas Wind Systems A/S
(72) LEIJTEN, Edgar
(31) 201570584
(32) 11.09.2015
(33) Denmark

(51) F03D 17/00
(11) EP3343028
(21) EP17209776.8
(47) 07.08.2019
(22) 21.12.2017
(54) SYSTEM AND METHOD FOR DETERMINING TORQUE ON A WIND TURBINE SHAFT
(73) General Electric Company
(72) SCHOLTE-WASSINK, Hartmut
HOFFMANN, Till
(31) 201715397041
(32) 03.01.2017
(33) United States of America

(51) F03D 17/00
F03D 7/02
F03D 7/04
(11) EP2588751
(21) EP11729049.4
(47) 07.08.2019
(87) DK2011050235
05.01.2012
(22) 24.06.2011
(54) ROTATIONAL POSITIONING SYSTEM IN A WIND TURBINE
(73) Vestas Wind Systems A/S
(72) ROSENVARD, Paw
LUCENTE, Michele
(31) 359576 P
201000565
(32) 29.06.2010
29.06.2010
(33) United States of America
Denmark

(51) F03D 17/00
F03D 13/20
F03D 9/25
F03D 7/02
(11) EP3167185
(21) EP15728398.7
(47) 07.08.2019
(87) DK2015050146
14.01.2016
(22) 05.06.2015
(54) ACTIVE PROMOTION OF WIND TURBINE TOWER OSCILLATIONS
(73) Vestas Wind Systems A/S
(72) CAPONETTI, Fabio
COUCHMAN, Ian
GRUNNET, Jacob Deleuran
ARISTON, Ilias Konstantinos
CHRISTENSEN, Poul Brandt
(31) 201470429
(32) 09.07.2014
(33) Denmark

(51) F03G 7/06
(11) EP3317536
(21) EP16741543.9
(47) 07.08.2019
(87) EP2016065310
05.01.2017
(22) 30.06.2016
(54) SMA BUNDLE WIRE OPTIMISATION IN AN ENERGY RECOVERY DEVICE
(73) Exergyn Ltd.
(72) BLACKBURN, Richard
CULLEN, Barry
O'TOOLE, Kevin
(31) 201511466
(32) 30.06.2015
(33) United Kingdom

(51) F03G 7/06
(11) EP3317535
(21) EP16741542.1
(47) 07.08.2019
(87) EP2016065210
05.01.2017
(22) 29.06.2016
(54) METHOD AND SYSTEM FOR EFFICIENCY INCREASE IN AN ENERGY RECOVERY DEVICE
(73) Exergyn Ltd.
(72) TIRCA-DRAGOMIRESCU, Georgiana
WARREN, Keith
(31) 201511487
(32) 30.06.2015
(33) United Kingdom

(51) F03H 1/00
(11) EP3350441
(21) EP16778690.4
(47) 07.08.2019
(87) EP2016071617
23.03.2017
(22) 14.09.2016
(54) METHOD OF FEEDING PROPELLANT FOR THE PROPULSION OF A SATELLITE AND SATELLITE PROPULSION MODULE FED ACCORDING TO SAID METHOD
(73) Comat Concept Mecanique et Assistance Technique
(72) HERRERO, Luc
(31) 1558809
(32) 18.09.2015
(33) France

(51) F04B 23/02
F04B 53/16
F15B 1/26
B66F 9/22
(11) EP3320210
(21) EP16728838.0
(47) 07.08.2019
(87) EP2016000967
12.01.2017
(22) 10.06.2016
(54) HYDRAULIC UNIT
(73) Hydac Fluidtechnik GmbH
(72) BÖHLER, Andreas
(31) 102015008837
(32) 08.07.2015
(33) Germany

(51) F04B 27/18
(11) EP2784320
(21) EP14160650.9
(47) 07.08.2019
(22) 19.03.2014
(54) Control valve for variable displacement compressor
(73) TGK CO., Ltd.
(72) Tonegawa, Masaaki
Sakakibara, Hidekazu
Sugamura, Ryouta
Saeki, Shinji
(31) 2013066787
(32) 27.03.2013

(33) Japan

(51) F04B 39/00
F04B 39/12
(11) EP3126674
(21) EP14714989.2
(47) 07.08.2019
(87) EP2014056435
08.10.2015
(22) 31.03.2014
(54) THERMALLY INSULATIVE INNER LINING FOR USE IN AN EXHAUST SILENCER OF A HERMETIC RECIPROCATING COMPRESSOR
(73) Arçelik Anonim Sirketi
(72) SEYMEN, Veli Sait
KAYA, Atilla
HACIOGLU, Bilgin

(51) F04B 39/02
C09K 5/04
F04B 39/06
F04B 39/12
F04C 29/02
F25B 1/00
F25B 1/04
F04C 29/04
(11) EP2578880
(21) EP11792134.6
(47) 07.08.2019
(87) JP2011003183
15.12.2011
(22) 06.06.2011
(54) AIR CONDITIONER
(73) Panasonic Corporation
(72) OHNO, Ryuichi
OYAGI, Shingo
NAKAI, Hiroaki
KARINO, Tsuyoshi
YOSHIDA, Hirofumi
IIDA, Noboru
(31) 2010129744
(32) 07.06.2010
(33) Japan

(51) F04B 43/12
(11) EP2914852
(21) EP13798777.2
(47) 07.08.2019
(87) US2013067281
08.05.2014
(22) 29.10.2013
(54) ROLLER PUMP WITH DYNAMIC OCCLUSION ADJUSTMENT
(73) Medtronic Inc.
(72) PETERSEN, Craig
RADHAKRISHNAN, Kartik
CARPENTER, Walter
(31) 201213668768
(32) 05.11.2012
(33) United States of America

(51) F04B 49/00
(11) EP2536953
(21) EP11745022.1
(47) 07.08.2019
(87) US2011022461
25.08.2011
(22) 25.01.2011
(54) APPARATUS AND METHOD FOR TUNING PUMP SPEED
(73) Edwards Limited
(72) SHELLEY, Gerald, Robin
ROMEO, Mark, Kollin
SCHWAB, Jeffrey, Robert
(31) 706167
(32) 16.02.2010
(33) United States of America

(51) F04B 49/06
F04B 49/08
F04B 49/02
F04B 49/20
F15B 11/00
(11) EP2489878
(21) EP10823169.7
(47) 07.08.2019
(87) JP2010005844
21.04.2011
(22) 29.09.2010
(54) HYDRAULIC PUMP OPERATING DEVICE AND METHOD FOR USE IN HYDRAULIC SYSTEM
(73) Kawasaki Jukogyo Kabushiki Kaisha
(72) TOYOTA, Toshihisa
OHTSUKA, Shuhei
MORIKAWA, Keita
SAKUMA, Tomoya
(31) 2009237170
(32) 14.10.2009
(33) Japan

(51) F04B 51/00
F04D 19/04
F04D 27/00
F04C 28/28
(11) EP2304239
(21) EP09757798.5
(47) 07.08.2019
(87) GB2009050602
10.12.2009
(22) 02.06.2009
(54) VACUUM PUMPING SYSTEMS
(73) Edwards Limited
(72) PHILIPPE, Laurent Marc
GIBBINS, Nigel James
CZERNIAK, Michael Roger
MOONEY, Michael
(31) 0809976
(32) 02.06.2008
(33) United Kingdom

(51) F04C 2/077
F01C 21/00
F01C 1/077
(11) EP3058174
(21) EP14845005.9
(47) 07.08.2019
(87) IN2014000663
28.05.2015
(22) 20.10.2014
(54) A MULTIPLE VANE ROTO-DYNAMIC VARIABLE DISPLACEMENT KINETIC SYSTEM
(73) Kamath, Das Ajee
(72) Kamath, Das Ajee
(31) 3278MU2013
(32) 18.10.2013
(33) India

(51) F04C 2/10
F04C 15/00
(11) EP3263899
(21) EP17176171.1
(47) 07.08.2019
(22) 15.06.2017
(54) INTERNAL GEAR PUMP
(73) Safran Aero Boosters SA
(72) CORNET, Albert
CHENOUX, Mathieu
(31) 201605502
(32) 29.06.2016
(33) Belgium

(51) F04C 2/107
F04C 15/00
(11) EP3308024
(21) EP16739396.6
(47) 07.08.2019
(87) DE2016000239
15.12.2016
(22) 09.06.2016
(54) COUPLING ELEMENT FOR AN ECCENTRIC SCREW ROTOR
(73) NETZSCH Pumpen & Systeme GmbH
(72) TEKNEYAN, Mikael
NUEBL, Philipp
WEIGL, Stefan
WEBER, Helmuth
ROSAM, Markus
(31) 102015007567
(32) 12.06.2015
(33) Germany

(51) F04C 2/344
F04C 18/32
F04C 18/344
(11) EP3158196
(21) EP15741341.0
(47) 07.08.2019
(87) IB2015054705
30.12.2015
(22) 23.06.2015
(54) ROTARY FLUID PUMP
(73) VHIT S.p.A.
(72) CADEDDU, Leonardo
COLA, Flavio
(31) TO20140500
TO20150223
(32) 23.06.2014
22.04.2015
(33) Italy
Italy

(51) F04C 18/02
F04C 29/04
F01C 17/06
(11) EP3109475
(21) EP14883157.1
(47) 07.08.2019
(87) JP2014054101
27.08.2015
(22) 21.02.2014
(54) SCROLL TYPE FLUID MACHINE
(73) Hitachi Industrial Equipment Systems Co., Ltd.
(72) KOBAYASHI, Yoshio
HARASHIMA, Toshikazu
IWANO, Kiminori
SUEFUJI, Kazutaka
WATANABE, Sho

(51) F04C 18/16
F04C 23/02
F04C 29/00
H02K 3/30

H02K 3/44
H02K 5/22
H02P 27/06
(11) EP2602486
(21) EP11814357.7
(47) 07.08.2019
(87) JP2011062350
09.02.2012
(22) 30.05.2011
(54) HERMETICALLY SEALED COMPRESSOR
(73) Kabushiki Kaisha Kobe Seiko Sho
(72) TSUBOI, Noboru
(31) 2010174412
(32) 03.08.2010
(33) Japan

(51) F04C 23/00
F04C 18/356
F04C 29/00
F04C 29/12
(11) EP3409947
(21) EP18185107.2
(47) 07.08.2019
(22) 11.04.2017
(54) ROTARY COMPRESSOR
(73) Fujitsu General Limited
(72) UEDA, Kenshi
INOUE, Akira
MOROZUMI, Naoya
IZUMI, Yasuyuki
(31) 2016079693
2016080228
(32) 12.04.2016
13.04.2016
(33) Japan
Japan

(51) F04C 25/02
F04C 18/16
F04C 28/06
(11) EP3123030
(21) EP14715334.0
(47) 07.08.2019
(87) EP2014056938
01.10.2015
(22) 07.04.2014
(54) METHOD FOR PUMPING IN A SYSTEM OF VACUUM PUMPS AND SYSTEM OF VACUUM PUMPS
(73) Ateliers Busch S.A.
(72) MÜLLER, Didier
LARCHER, Jean-Eric
ILTCHEV, Théodore
(31) PCT/EP2014/055822
(32) 24.03.2014
(33) World Intellectual Property Office (WIPO)

(51) F04C 29/00
F16H 57/00
(11) EP3359818
(21) EP16834233.5
(47) 07.08.2019
(87) BE2016000048
27.04.2017
(22) 27.09.2016
(54) A COMPRESSOR INSTALLATION PROVIDED WITH A TRANSMISSION BETWEEN A COMBUSTION ENGINE AND A COMPRESSOR ELEMENT
(73) Atlas Copco Airpower, Naamloze Vennootschap
(72) VAN PRAET, Stephan Willem
DANIËLS, Ivo
(31) 201505637
(32) 07.10.2015
(33) Belgium

(51) F04D 13/02
(11) EP3384162
(21) EP16822535.7
(47) 07.08.2019
(87) IB2016057071
08.06.2017
(22) 23.11.2016
(54) ROTOR GROUP OF A COOLING PUMP OF A VEHICLE COOLING CIRCUIT COMPRISING A ROTOR BODY
(73) Industrie Saleri Italo S.P.A.
(72) BELFIORE, Stefano
FRANCIA, Fabio
(31) UB20156281
(32) 03.12.2015
(33) Italy

(51) F04D 13/08
E04H 4/16
(11) EP2006546
(21) EP08252120.4
(47) 07.08.2019
(22) 19.06.2008
(54) Pond cleaning apparatus
(73) Exel Industries S.A.
(72) Braithwaite, Ross Thomas Vernon
(31) 0711885
(32) 19.06.2007
(33) United Kingdom

(51) F04D 17/12
F04D 29/058
(11) EP2864641
(21) EP13734691.2
(47) 07.08.2019
(87) EP2013063200
03.01.2014
(22) 25.06.2013
(54) TURBOCOMPRESSOR
(73) Robert Bosch GmbH
(72) KLINK, Simon
CLAY, Alister
(31) 102012012540
(32) 26.06.2012
(33) Germany

(51) F04D 19/04
F16C 32/04
F04D 29/058
F04D 27/00
F04D 17/16
F04D 29/048
(11) EP3361102
(21) EP17155321.7
(47) 07.08.2019
(22) 09.02.2017
(54) POSITION DETECTION APPARATUS
(73) PFEIFFER VACUUM GMBH
(72) Hopf, Dirk
Wang, Jinou

(51) F04D 25/02
F01K 23/00
F04B 35/00
(11) EP2035711
(21) EP07719217.7
(47) 07.08.2019
(87) BE2007000053
06.12.2007
(22) 01.06.2007
(54) MULTISTAGE COMPRESSOR DEVICE
(73) ATLAS COPCO AIRPOWER N.V.
(72) ERNENS, Philippe, Alphonse, Louis
(31) 200600304
(32) 01.06.2006
(33) Belgium

(51) F04D 25/14
F04D 27/00
(11) EP3321509
(21) EP16425104.3
(47) 07.08.2019
(22) 10.11.2016
(54) A SHUTTER FOR FAN
(73) Munters Italy S.p.A.
(72) DANIO, Riccardo

(51) F04D 27/00
F01D 21/14
F02C 7/264
F02C 9/28
F04D 27/02
(11) EP3018357
(21) EP15191565.9
(47) 07.08.2019
(22) 27.10.2015
(54) COMPRESSOR MONITORING METHOD, APPARATUS AND COMPUTER READABLE MEDIUM
(73) Rolls-Royce plc
(72) Elysee, David Andre
(31) 201419742
(32) 06.11.2014
(33) United Kingdom

(51) F04D 29/28
F02B 39/00
F04D 29/02
(11) EP3196475
(21) EP15862893.3
(47) 07.08.2019
(87) JP2015078481
02.06.2016
(22) 07.10.2015
(54) IMPELLER AND ROTARY MACHINE
(73) Mitsubishi Heavy Industries, Ltd.
(72) OKABE, Ryoji
WATANABE, Yasunori
(31) 2014237694
(32) 25.11.2014
(33) Japan

(51) F04D 29/28
F04D 29/66
F04D 29/70
(11) EP3214316
(21) EP17000355.2
(47) 07.08.2019
(22) 22.01.2008
(54) SYSTEM AND SERIES OF GEARS
(73) Sew-Eurodrive GmbH & Co. KG
(72) Saar, Steffen
Leonhard, Steffen
(31) 102007009369
(32) 23.02.2007

(33) Germany

(51) F04D 29/36
F04D 29/64
(11) EP3256740
(21) EP16708362.5
(47) 07.08.2019
(87) EP2016052834
18.08.2016
(22) 10.02.2016
(54) PRE-ASSEMBLED BLADE FOR FANS FOR COOLING THE COOLANT IN MACHINES/VEHICLES AND FAN PROVIDED WITH SAID BLADE
(73) Baruffaldi S.p.A.
(72) BOFFELLI, Piercarlo
(31) MI21050195
(32) 12.02.2015
(33) Italy

(51) F04D 29/42
F04D 29/62
F04D 29/16
(11) EP3034887
(21) EP15190832.4
(47) 07.08.2019
(22) 21.10.2015
(54) POSITIONING A PUMP COVER PANEL WITH THE HELP OF MARKS ON BOLT HEADS
(73) Sulzer Management AG
(72) Klein, Horst-Paul
(31) 14197910
(32) 15.12.2014
(33) European Patent Office (EPO)

(51) F04D 29/44
F04D 17/08
F04D 29/66
F24F 1/00
F04D 29/60
F24F 13/24
F24F 7/007
F04D 17/04
F04D 29/28
F04D 29/42
F24F 1/0007
F24F 1/0022
F24F 1/0033
F24F 1/0047
F24F 1/0057
(11) EP2757268
(21) EP14164771.9
(47) 07.08.2019
(22) 25.03.2008
(54) Scirocco fan and air-conditioning apparatus
(73) Mitsubishi Electric Corporation
(72) Okazawa, Hiroki
Abe, Ryouji
Tsutsumi, Hiroshi
Yamatani, Takahiro
Nishimiya, Kazunobu
Kawanori, Yukihiko
(31) 2007081325
(32) 27.03.2007
(33) Japan

(51) F04D 29/44
F04D 29/62
(11) EP2992223
(21) EP14719843.6
(47) 07.08.2019
(87) GB2014051295
06.11.2014
(22) 25.04.2014
(54) COMPRESSOR
(73) Dyson Technology Limited
(72) ROBSON, Donald
KING, Gary
(31) 201308094
(32) 03.05.2013
(33) United Kingdom

(51) F04F 9/00
H05B 6/10
(11) EP2975271
(21) EP13878178.6
(47) 07.08.2019
(87) JP2013057145
18.09.2014
(22) 14.03.2013
(54) OIL DIFFUSION PUMP AND VACUUM FILM FORMATION DEVICE
(73) Shincron Co., Ltd.
(72) SAISHO, Shinichiro

(51) F04F 13/00
B01D 61/06
F04D 1/00
F04D 13/04
F04D 15/00
C02F 1/44
C02F 103/08
(11) EP2762730
(21) EP12835947.8
(47) 07.08.2019
(87) JP2012074495
04.04.2013
(22) 25.09.2012
(54) PRESSURE EXCHANGE DEVICE
(73) Kubota Corporation
(72) HIROSAWA, Yoshifumi
TERAMOTO, Norihiro
SHOUZAKI Akira
KOMATSU, Kazuto
(31) 2011217221
2012072210
(32) 30.09.2011
27.03.2012
(33) Japan
Japan

(51) F15B 1/26
F04B 23/02
F15B 21/04
(11) EP2553276
(21) EP11711450.4
(47) 07.08.2019
(87) EP2011001399
29.09.2011
(22) 22.03.2011
(54) FLUID COOLING DEVICE
(73) Hydac AG
(72) ZEOLLA, Guiseppe
MARIANI, Luca
(31) 102010012952
(32) 26.03.2010
(33) Germany

(51) F15B 11/00
A61G 13/10
(11) EP3211249
(21) EP14904596.5
(47) 07.08.2019
(87) CN2014089339
28.04.2016
(22) 23.10.2014
(54) HYDRAULIC DRIVE SYSTEM FOR OPERATING TABLE
(73) Nanjing Mindray Bio-Medical Electronics Co., Ltd.
(72) DENG, Qiangquan

(51) F15B 11/044
E02F 9/22
F15B 11/028
F15B 11/08
(11) EP3205887
(21) EP15848584.7
(47) 07.08.2019
(87) JP2015075269
14.04.2016
(22) 04.09.2015
(54) CONSTRUCTION MACHINE WITH HYDRAULIC CONTROL APPARATUS
(73) Hitachi Construction Machinery Co., Ltd.
(72) YAMASHITA Ryohei
IMURA Shinya
ISHIKAWA Kouji
MORIKI Hidekazu
(31) 2014206451
(32) 07.10.2014
(33) Japan

(51) F15B 15/16
B60G 17/00
B60G 23/00
(11) EP2612039
(21) EP11822216.5
(47) 07.08.2019
(87) SE2011051020
08.03.2012
(22) 24.08.2011
(54) TELESCOPING CYLINDER DEVICE AND VEHICLE
(73) EMTW Production AB
(72) HENRIKSSON, Arne
(31) 1050900
(32) 02.09.2010
(33) Sweden

(51) F15C 1/00
F02M 59/46
F02M 37/00
F02M 63/00
(11) EP3258118
(21) EP17180336.4
(47) 07.08.2019
(22) 30.06.2016
(54) VALVE
(73) Delphi Technologies IP Limited
(72) McHATTIE, James
(31) 201511665
(32) 03.07.2015
(33) United Kingdom

(51) F16B 5/02
(11) EP3221598
(21) EP16741850.8
(47) 07.08.2019
(87) EP2016000913
08.12.2016
(22) 03.06.2016
(54) DEFORMABLE BODY, AND SYSTEM COMPRISING A DEFORMABLE BODY AND AN ANTI-CREEPAGE RING

(73) A. Raymond et Cie
(72) HAUSER, Ingo
RHEIN, Axel
MEOLA, Davide
(31) 102015210308
(32) 03.06.2015
(33) Germany

(51) F16B 12/10
A47B 47/00
F16B 12/46
A47B 47/04
A47B 88/90
F16B 12/24
(11) EP3092415
(21) EP14877862.4
(47) 07.08.2019
(87) SE2014051521
16.07.2015
(22) 17.12.2014
(54) PANELS COMPRISING A MECHANICAL LOCKING DEVICE AND AN ASSEMBLED PRODUCT COMPRISING THE PANELS
(73) Välinge Innovation AB
(72) DERELÖV, Peter
(31) 1450022
(32) 10.01.2014
(33) Sweden

(51) F16B 13/00
E04G 5/04
(11) EP2525107
(21) EP12168531.7
(47) 07.08.2019
(22) 18.05.2012
(54) SCAFFOLDING ANCHORING DEVICE
(73) Henning GmbH & Co. KG
(72) Henning, Wolfgang
(31) 202011100848 U
(32) 18.05.2011
(33) Germany

(51) F16B 15/08
F16B 15/00
A22C 11/12
(11) EP3388692
(21) EP17382199.2
(47) 07.08.2019
(22) 12.04.2017
(54) STRIP OF STAPLES
(73) Lorenzo Noguera, Sagar
(72) Lorenzo Noguera, Sagar

(51) F16B 19/08
B21J 15/02
B21J 15/12
(11) EP3124803
(21) EP16173030.4
(47) 07.08.2019
(22) 06.06.2016
(54) PUNCH RIVET DEVICE
(73) ROBERT BOSCH GMBH
(72) Engler, Sebastian
Woelke, Florian
Hoerlein, Rainer Heinrich
Scharfenberg, Andreas
Diessner, Christian
Pfrommer, Karl-Heinz
Kesel, Ingo
(31) 102015214618
(32) 31.07.2015
(33) Germany

(51) F16B 25/00
(11) EP3418592
(21) EP17177326.0
(47) 07.08.2019
(22) 22.06.2017
(54) SCREW FOR ANCHORING A HOLLOW PROFILE TO A SUBSTRUCTURE
(73) SFS Intec Holding AG
(72) COMOTH, Marc
WIRTH, Simon

(51) F16B 25/10
F16B 25/02
F16B 25/08
F16B 39/282
F16B 35/06
(11) EP2478232
(21) EP10816505.1
(47) 07.08.2019
(87) CA2010000838
24.03.2011
(22) 04.06.2010
(54) SCREW HAVING UNDERSIDE CUTTERS AND POCKETS
(73) Illinois Tool Works Inc.
(72) WALTHER, Mirco
(31) 561931
(32) 17.09.2009
(33) United States of America

(51) F16B 37/02
F16B 37/04
F16B 5/06
(11) EP3303858
(21) EP16726043.9
(47) 07.08.2019
(87) EP2016061266
08.12.2016
(22) 19.05.2016
(54) DEVICE FOR MOUNTING AN ATTACHMENT PART TO A CARRIER PART
(73) A. Raymond et Cie
(72) BINKERT, Sven
(31) 102015108620
(32) 01.06.2015
(33) Germany

(51) F16B 41/00
F16B 23/00
(11) EP3368781
(21) EP16787448.6
(47) 07.08.2019
(87) EP2016075816
04.05.2017
(22) 26.10.2016
(54) ANTI-THEFT SCREW PART FOR ATTACHING A WHEEL RIM TO A MOTOR VEHICLE
(73) ABC Umformtechnik GmbH & Co. KG
(72) RAJEWSKI, Horst
TRAEGER, Holger
(31) 102015118613
(32) 30.10.2015
(33) Germany

(51) F16C 11/06
F16J 15/52
(11) EP3015725
(21) EP14818263.7
(47) 07.08.2019
(87) JP2014064660
31.12.2014
(22) 03.06.2014
(54) BALL JOINT DUST COVER
(73) NOK Corporation
(72) HOSEN, Tatsuro
KANAGAWA, Koji
(31) 2013132400
(32) 25.06.2013
(33) Japan

(51) F16C 17/03
F16C 33/04
F16C 33/10
F16C 32/06
F01D 25/16
F16F 15/00
F16C 27/02
F16C 43/02
(11) EP3236094
(21) EP17165705.9
(47) 07.08.2019
(22) 10.04.2017
(54) BEARING
(73) General Electric Company
(72) MOOK, Joshua Tyler
ERTAS, Bugra Han
BELLARDI, Jason Joseph
(31) 201615131136
(32) 18.04.2016
(33) United States of America

(51) F16C 17/24
F16C 41/04
F01D 25/28
F16C 17/03
(11) EP3009617
(21) EP14810235.3
(47) 07.08.2019
(87) JP2014065229
18.12.2014
(22) 09.06.2014
(54) LIFTING TOOL FOR ROTARY SHAFT AND LIFTING METHOD FOR ROTARY SHAFT
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) YAMASUE, Shingo
KATAOKA, Masahito
MORIMOTO, Hitoshi
(31) 2013123941
(32) 12.06.2013
(33) Japan

(51) F16C 19/36
F16C 33/64
F16C 43/08
(11) EP3337989
(21) EP16754392.5
(47) 07.08.2019
(87) DE2016200265
23.02.2017
(22) 08.06.2016
(54) METHOD OF MANUFACTURING A TAPERED ROLLER BEARING SUB-UNIT AS WELL AS TAPERED ROLLER BEARING SUB-UNIT
(73) Schaeffler Technologies AG & Co. KG
(72) MANTAU, Markus
KICK-RODENBÜCHER, Reinhard
SCHADE, Andre

(31) 102015215610
(32) 17.08.2015
(33) Germany

(51) F16C 27/02
F16F 15/023
(11) EP2643601
(21) EP11794312.6
(47) 07.08.2019
(87) US2011062133
31.05.2012
(22) 23.11.2011
(54) BRIDGE SPRING CENTERING DEVICE FOR SQUEEZE FILM DAMPERS
(73) Lufkin Industries, LLC
(72) NICHOLAS, John C.
SHOUP, Thomas P.
ROCKEFELLER, Donald H.
(31) 416666 P
(32) 23.11.2010
(33) United States of America

(51) F16C 29/02
B62D 3/12
F16C 17/02
F16C 27/06
F16C 25/04
F16C 29/00
F16C 27/02
F16C 33/20
(11) EP3255291
(21) EP16746378.5
(47) 07.08.2019
(87) JP2016050860
11.08.2016
(22) 13.01.2016
(54) SLIDE BEARING
(73) Oiles Corporation
(72) NAKAGAWA, Noboru
AKEDA, Kazuhiko
(31) 2015019764
(32) 03.02.2015
(33) Japan

(51) F16C 29/06
F16C 33/40
(11) EP2518346
(21) EP12165005.5
(47) 07.08.2019
(22) 20.04.2012
(54) Concept for returning rolling elements in a guide carriage of a linear rolling bearing
(73) Aktiebolaget SKF
(72) Edelmann, Ludwig
Hofmann, Joachim
Jeschka, Erwin
Kemmer, Martin
Velde, Henryk
(31) 102011017756
(32) 29.04.2011
(33) Germany

(51) F16C 33/74
F16J 15/3208
F16J 15/56
F16C 29/08
F16K 31/126
(11) EP3008353
(21) EP14735073.0
(47) 07.08.2019
(87) US2014041640
18.12.2014
(22) 10.06.2014
(54) ACTUATOR BUSHINGS HAVING INTEGRAL SEALS
(73) Fisher Controls International LLC
(72) BELL, Meredith
JACKSON, Trenton, Frank
(31) 201313914080
(32) 10.06.2013
(33) United States of America

(51) F16C 33/78
F16C 33/80
(11) EP3299649
(21) EP17193011.8
(47) 07.08.2019
(22) 25.09.2017
(54) ROLLER BEARING PROVIDED WITH A SEALING DEVICE
(73) NTN-SNR Roulements
(72) MOREL, Bertrand
(31) 1659015
(32) 26.09.2016
(33) France

(51) F16C 35/06
F16C 33/58
F16C 19/50
F16C 19/49
F03D 80/70
F03D 7/02
F03D 1/06
(11) EP2812568
(21) EP12773202.2
(47) 07.08.2019
(87) EP2012003875
15.08.2013
(22) 17.09.2012
(54) ROLLER BEARING ARRANGEMENT FOR MOUNTING PARTS OF A WIND POWER PLANT AND A WIND POWER PLANT HAVING A BLADE BEARING DESIGNED IN SUCH A MANNER
(73) IMO Holding GmbH
(72) SCHRÖPPEL, Werner
(31) 102012002203
(32) 07.02.2012
(33) Germany

(51) F16C 35/067
A61G 5/10
B60B 33/00
B60B 33/04
(11) EP2811192
(21) EP14170070.8
(47) 07.08.2019
(22) 27.05.2014
(54) Pivoting roller assembly for a wheelchair
(73) Sunrise Medical GmbH
(72) Bergmann, Rudolf
(31) 202013102319 U
(32) 28.05.2013
(33) Germany

(51) F16C 43/02
F16C 17/10
F16C 33/04
(11) EP3104031
(21) EP15171524.0
(47) 07.08.2019
(22) 10.06.2015
(54) SLIDING ELEMENT COMPRISING A FLEXIBLE ADHESIVE
(73) MAHLE International GmbH
MAHLE Engine Systems UK Limited
Mahle Composants Moteur France SAS
(72) Gorges, Roger
Latham, David
Ring, Matthew
Beaurepaire, Olivier

(51) F16D 3/20
B23K 15/00
B23K 26/21
F16D 1/068
F16D 3/223
F16D 3/205
(11) EP3159565
(21) EP15810130.3
(47) 07.08.2019
(87) JP2015064506
23.12.2015
(22) 20.05.2015
(54) MANUFACTURING METHOD FOR CONSTANT VELOCITY UNIVERSAL JOINT OUTER JOINT MEMBER
(73) NTN Corporation
(72) KAGAWA Daisuke
HIRAOKA Tsuneaki
SUZUKI Shintaro
NAKAGAWA Naoki
SUGIYAMA Tatsuro
KOBAYASHI Masazumi
(31) 2014125499
(32) 18.06.2014
(33) Japan

(51) F16D 3/223
(11) EP3280925
(21) EP16777077.5
(47) 07.08.2019
(87) US2016025243
13.10.2016
(22) 31.03.2016
(54) GREASE RETENTION ASSEMBLY FOR A JOINT OF A VEHICLE DRIVE SHAFT
(73) NTN Bearing Corporation of America
(72) EDWARDS, Krystil, Elizabeth
MAKSYMIAK, Ihor, R.
BARRETT, Jon, R.
(31) 201514681391
(32) 08.04.2015
(33) United States of America

(51) F16D 3/72
(11) EP3017208
(21) EP14752941.6
(47) 07.08.2019
(87) IB2014062735
08.01.2015
(22) 30.06.2014
(54) TORSIONAL TRANSMISSION ELEMENT WITH ELASTIC RESPONSE
(73) Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna
(72) GIOVACCHINI, Francesco
CEMPINI, Marco
VITIELLO, Nicola
CARROZZA, Maria Chiara
(31) FI20130156
(32) 01.07.2013
(33) Italy

(51) F16D 3/84
F16D 3/20

F16J 3/04
(11) EP2312177
(21) EP09802814.5
(47) 07.08.2019
(87) JP2009061898
04.02.2010
(22) 30.06.2009
(54) CONSTANT VELOCITY UNIVERSAL JOINT
(73) NTN Corporation
(72) TAKABE Shinichi
(31) 2008196535
(32) 30.07.2008
(33) Japan

(51) F16D 13/58
F16D 13/71
(11) EP3025067
(21) EP14741510.3
(47) 07.08.2019
(87) DE2014200280
29.01.2015
(22) 25.06.2014
(54) FRICTION CLUTCH DEVICE
(73) Schaeffler Technologies AG & Co. KG
(72) KELLER, Marion
HEUBERGER, Sebastian
RABER, Christoph
(31) 102013214372
(32) 23.07.2013
(33) Germany

(51) F16D 13/70
F16D 13/58
(11) EP2975280
(21) EP15173191.6
(47) 07.08.2019
(22) 22.06.2015
(54) PRESSURE PLATE ASSEMBLY WITH PRESSURE PLATE FOR A COUPLING DEVICE
(73) Schaeffler Technologies GmbH & Co. KG
(72) Bulut, Faruk
(31) 102014213645
(32) 14.07.2014
(33) Germany

(51) F16D 21/06
F16D 1/08
(11) EP2759731
(21) EP14164967.3
(47) 07.08.2019
(22) 15.10.2006
(54) Coupling device for transferring a torque
(73) BorgWarner, Inc.
(72) Schäfer, Michael
Bölling, Jochen
Ebner, Till
Strauss, Dietmar
(31) 102005049913
102005054526
102005057871
102006010278
(32) 17.10.2005
14.11.2005
02.12.2005
02.03.2006
(33) Germany
Germany
Germany
Germany

(51) F16D 27/105
F16D 21/06
(11) EP2764271
(21) EP12838370.0
(47) 07.08.2019
(87) CA2012000916
11.04.2013
(22) 01.10.2012
(54) CLUTCHED DRIVEN DEVICE AND ASSOCIATED CLUTCH MECHANISM
(73) Litens Automotive Partnership
(72) BOYES, Andrew
FERLIK, Ivan
(31) 201161544015 P
201261601611 P
(32) 06.10.2011
22.02.2012
(33) United States of America
United States of America

(51) F16D 33/20
F16H 41/24
F16H 41/26
F16H 41/28
(11) EP2920480
(21) EP13802162.1
(47) 07.08.2019
(87) US2013070475
22.05.2014
(22) 18.11.2013
(54) TORQUE CONVERTER CONTAINING A THRUST WASHER
(73) FCA US LLC
(72) FINGERMAN, Michael
RALEY, Darrin C.
(31) 201213680670
(32) 19.11.2012
(33) United States of America

(51) F16D 55/226
(11) EP3308046
(21) EP16727628.6
(47) 07.08.2019
(87) EP2016000910
22.12.2016
(22) 02.06.2016
(54) DISK BRAKE FOR A UTILITY VEHICLE
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) FRICKE, Jens
SCHOEFBERGER, Tobias
ADAMCZYK, Philipp
PESCHEL, Michael
SCHMIDT, Peter
RIECK, Kai
(31) 102015109541
(32) 15.06.2015
(33) Germany

(51) F16D 55/28
F16D 59/02
(11) EP3080474
(21) EP14809592.0
(47) 07.08.2019
(87) EP2014003171
18.06.2015
(22) 27.11.2014
(54) ELECTROMAGNETICALLY ACTUATED BRAKE ASSEMBLY, AND ELECTRIC MOTOR COMPRISING A BRAKE ASSEMBLY
(73) Sew-Eurodrive GmbH & Co. KG
(72) HUFNAGEL, Timo
ASCHOFF, Stefan
(31) 102013020524
(32) 11.12.2013
(33) Germany

(51) F16D 65/02
F16D 55/224
F16D 55/226
(11) EP2719914
(21) EP11867558.6
(47) 07.08.2019
(87) JP2011063081
13.12.2012
(22) 07.06.2011
(54) DISK BRAKE DEVICE AND CALIPER SLIDE MECHANISM
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) ISONO, Hiroshi

(51) F16D 65/097
(11) EP3234403
(21) EP15810667.4
(47) 07.08.2019
(87) EP2015080157
23.06.2016
(22) 17.12.2015
(54) BRAKE PAD HOLDING ARRANGEMENT
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) NESMJANOWITSCH, Igor
(31) 102014019114
(32) 19.12.2014
(33) Germany

(51) F16D 65/12
F16D 55/40
F16D 65/00
(11) EP3173650
(21) EP16198730.0
(47) 07.08.2019
(22) 14.11.2016
(54) DAMPER BRAKE
(73) Goodrich Corporation
(72) KIRKPATRICK, Christopher T.
(31) 201514943878
(32) 17.11.2015
(33) United States of America

(51) F16D 65/18
B62K 25/20
B62L 1/00
B62K 19/38
(11) EP3301319
(21) EP17194213.9
(47) 07.08.2019
(22) 29.09.2017
(54) VEHICLE WITH A REAR BRAKE DEVICE
(73) HONDA MOTOR CO., LTD.
(72) INASE, Kosuke
IWATA, Masayuki
GOGO, Kazuhiko
(31) 2016192127
(32) 29.09.2016
(33) Japan

(51) F16D 69/02
C04B 28/04
C04B 111/00
(11) EP3011197

(21) EP14744163.8
(47) 07.08.2019
(87) IB2014062258
24.12.2014
(22) 16.06.2014
(54) FRICTION MATERIAL FOR BRAKE PADS AND RELATED BRAKE PADS
(73) Freni Brembo S.p.A.
ITALCEMENTI S.p.A.
(72) ALFANI, Roberta
CORAZZA, Fabio
RAMPINELLI, Flavio
BONFANTI, Andrea
VAROTTO, Paolo
SAMMARELLI, Laura
BELOTTI, Arianna
(31) MI20130998
(32) 17.06.2013
(33) Italy

(51) F16F 1/20
B60G 11/02
(11) EP2600025
(21) EP11812228.2
(47) 07.08.2019
(87) JP2011065298
02.02.2012
(22) 04.07.2011
(54) SILENCER FOR A MULTI-LEAF SPRING
(73) NHK Spring Co., Ltd.
(72) YANO, Junichi
SATO, Naoshi
SAKAIDE, Noritoshi
(31) 2010167340
(32) 26.07.2010
(33) Japan

(51) F16F 1/38
(11) EP2456996
(21) EP10725616.6
(47) 07.08.2019
(87) EP2010003574
27.01.2011
(22) 15.06.2010
(54) BUSH FOR A RESILIENT JOINT
(73) Anvis SD France SAS
(72) NECTOUX, Thierry
SENNEPIN, Sébastien
SKIERA, Jean-François
(31) 0955217
(32) 24.07.2009
(33) France

(51) F16F 5/00
F16G 11/12
F15B 15/14
A01B 63/111
A01B 63/112
F16H 7/12
F16H 7/08
(11) EP3214335
(21) EP15853956.9
(47) 07.08.2019
(87) KR2015010644
06.05.2016
(22) 08.10.2015
(54) AUTONOMOUS HYDRAULIC EXPANSION AND CONTRACTION APPARATUS
(73) Park, Jong Bok
(72) Park, Jong Bok
(31) 20140149389
(32) 30.10.2014
(33) Korea (Republic)

(51) F16F 9/36
F16J 15/3232
F16J 15/3236
F16J 15/3268
(11) EP2811199
(21) EP14171038.4
(47) 07.08.2019
(22) 03.06.2014
(54) Sealing assembly adapted to be inserted between two relatively slidable members
(73) Aktiebolaget SKF
(72) Bresso, Marco
Scaramozzino, Francesco
(31) TO20130460
(32) 04.06.2013
(33) Italy

(51) F16F 9/38
(11) EP3260731
(21) EP17001032.6
(47) 07.08.2019
(22) 19.06.2017
(54) HYDRAULIC DAMPER WITH A PISTON ROD PROTECTIVE TUBE
(73) BeijingWest Industries Co. Ltd.
(72) Jasinski, Mateusz
(31) 201662352737 P
201715597060
(32) 21.06.2016
16.05.2017
(33) United States of America
United States of America

(51) F16F 9/46
F16F 9/348
(11) EP2630389
(21) EP11773261.0
(47) 07.08.2019
(87) EP2011068436
26.04.2012
(22) 21.10.2011
(54) VALVE ARRANGEMENT
(73) ÖHLINS RACING AB
(72) EWERS, Benny
SÖNSTERÖD, Lars
MALMBORG, Håkan
(31) 10188594
(32) 22.10.2010
(33) European Patent Office (EPO)

(51) F16F 15/027
(11) EP3260733
(21) EP16175910.5
(47) 07.08.2019
(22) 23.06.2016
(54) ACTIV STATIONARY VIBRATION ISOLATING SYSTEM
(73) Integrated Dynamics Engineering GmbH
(72) Evers, Arndt
Scharf, Till

(51) F16F 15/134
F16F 15/133
(11) EP2817533
(21) EP13720021.8
(47) 07.08.2019
(87) IB2013051390
29.08.2013
(22) 20.02.2013
(54) IMPROVED DUAL MASS FLYWHEEL
(73) Dayco Europe S.R.L.
(72) GIANSETTO, Giacomo
MONTANI, Andrea
CARICCIA, Gianluca
DI GIACOMO, Tommaso
(31) TO20120148
(32) 20.02.2012
(33) Italy

(51) F16G 1/00
C08L 23/16
C08L 29/04
C08L 101/00
F16G 1/08
F16G 5/00
F16G 5/06
F16G 5/20
(11) EP3214338
(21) EP15854588.9
(47) 07.08.2019
(87) JP2015080842
06.05.2016
(22) 30.10.2015
(54) FRICTION TRANSMISSION BELT AND MANUFACTURING METHOD THEREOF
(73) Mitsuboshi Belting Ltd.
(72) KAMBA, Yuji
IMAI, Hiroki
(31) 2014223772
2014262804
2015208209
(32) 31.10.2014
25.12.2014
22.10.2015
(33) Japan
Japan
Japan

(51) F16G 5/16
(11) EP3175141
(21) EP15730089.8
(47) 07.08.2019
(87) EP2015062740
10.12.2015
(22) 08.06.2015
(54) GENERALLY C-SHAPED TRANSVERSE MEMBER FOR A DRIVE BELT FOR A CONTINUOUSLY VARIABLE TRANSMISSION
(73) Robert Bosch GmbH
(72) VAN DER MEER, Cornelis Johannes Maria
BRANDSMA, Arjen
VAN TREIJEN, Adrianus Antonius Jacobus Maria
(31) 1040837
(32) 06.06.2014
(33) Netherlands

(51) F16H 15/38
F16H 37/02
(11) EP3133318
(21) EP15780362.8
(47) 07.08.2019
(87) JP2015061396
22.10.2015
(22) 13.04.2015
(54) TOROIDAL CONTINUOUSLY VARIABLE TRANSMISSION
(73) Kawasaki Jukogyo Kabushiki Kaisha

(72) TANAKA, Kenichiro
IMAI, Hideyuki
ARISAWA, Hidenori
KAZARI, Masahide
(31) 2014082826
(32) 14.04.2014
(33) Japan

(51) F16H 55/36
F16D 43/21
(11) EP2626595
(21) EP11821830.4
(47) 07.08.2019
(87) JP2011069669
08.03.2012
(22) 30.08.2011
(54) PULLEY STRUCTURE
(73) MITSUBOSHI BELTING LTD.
(72) ISHIDA, Tomokazu
(31) 2010193935
(32) 31.08.2010
(33) Japan

(51) F16H 57/04
(11) EP2508778
(21) EP12153408.5
(47) 07.08.2019
(22) 01.02.2012
(54) Gear wheel and gear-drive unit
(73) Robert Bosch GmbH
(72) Dornhoefer, Gerd
Moench, Jochen
Hinterkausen, Markus
Roger, Julien
Schmiederer, Dirk
Hilzinger, Juergen
(31) 102011006276
(32) 28.03.2011
(33) Germany

(51) F16H 59/02
F16H 61/22
G05G 5/05
F16H 61/24
(11) EP2902665
(21) EP14197308.1
(47) 07.08.2019
(22) 11.12.2014
(54) Multi-directional input operation device and vehicle shift device using the multi-directional input operation device
(73) Alps Alpine Co., Ltd.
(72) Uenomachi, Takashi
(31) 2014016539
(32) 31.01.2014
(33) Japan

(51) F16H 59/02
F16H 63/42
(11) EP2631510
(21) EP12156352.2
(47) 07.08.2019
(22) 21.02.2012
(54) Gear shift lever knob
(73) Volvo Car Corporation
(72) Göthlin, Jonas
Persson, Sven-Olof
Bergström, Anders
Ernstsson, Axel

(51) F16H 59/04
B60K 20/02
(11) EP3124310
(21) EP15768329.3
(47) 07.08.2019
(87) JP2015057808
01.10.2015
(22) 17.03.2015
(54) LEVER DEVICE
(73) Kabushiki Kaisha Tokai Rika Denki Seisakusho
(72) NAKANO, Yohei
(31) 2014063572
(32) 26.03.2014
(33) Japan

(51) F16H 59/08
F16H 59/10
F16H 61/12
(11) EP3336386
(21) EP17199783.6
(47) 07.08.2019
(22) 02.11.2017
(54) SHIFT CONTROL SYSTEM FOR VEHICLE AND SHIFT CONTROL METHOD FOR VEHICLE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) YUMA, Takashi
UENO, Koki
TATENO, Masato
NAKADE, Yusuke
(31) 2016244788
(32) 16.12.2016
(33) Japan

(51) F16H 61/00
H05K 5/00
(11) EP2588779
(21) EP11770325.6
(47) 07.08.2019
(87) DE2011001413
02.02.2012
(22) 28.06.2011
(54) SENSOR CARRIER AND SENSOR MODULE, IN PARTICULAR FOR USE IN AN ON-BOARD CONTROL UNIT FOR A MOTOR VEHICLE
(73) CPT Zwei GmbH
(72) WIECZOREK, Matthias
KARRER, Helmut
VÖGERL, Andreas
BUHL, Joachim
ALBERT, Andreas
HENNINGER, Jürgen
(31) 102010025591
(32) 29.06.2010
(33) Germany

(51) F16H 61/04
B60K 6/445
F16H 63/50
(11) EP3327318
(21) EP17204444.8
(47) 07.08.2019
(22) 29.11.2017
(54) CONTROL APPARATUS FOR VEHICULAR DRIVE SYSTEM
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) GOTO, Jun
KUMAZAKI, Kenta
YOSHIKAWA, Masato
KOBAYASHI, Nobufusa
KIMURA, Hiromichi
SHIIBA, Kazuyuki
MATSUBARA, Tooru
KITAHATA, Takeshi
(31) 2016231855
(32) 29.11.2016
(33) Japan

(51) F16H 61/12
F16H 59/42
F16H 61/662
(11) EP3040585
(21) EP14839501.5
(47) 07.08.2019
(87) JP2014067108
05.03.2015
(22) 27.06.2014
(54) SIGNAL PROCESSING DEVICE FOR ROTATION SENSOR
(73) Jatco Ltd
(72) HATAJIMA, Kouichi
(31) 2013175827
(32) 27.08.2013
(33) Japan

(51) F16H 61/14
(11) EP3279520
(21) EP16771960.8
(47) 07.08.2019
(87) JP2016054972
06.10.2016
(22) 22.02.2016
(54) AUTOMATIC TRANSMISSION CONTROL DEVICE AND CONTROL METHOD
(73) Nissan Motor Co., Ltd.
(72) KAMIYA, Kohei
HONMA, Tomoaki
SUZUKI, Akito
ENDO, Yasuhiro
(31) 2015069962
(32) 30.03.2015
(33) Japan

(51) F16H 61/30
F15B 15/14
F15B 15/22
F15B 15/28
(11) EP2539593
(21) EP11747790.1
(47) 07.08.2019
(87) SE2011050160
01.09.2011
(22) 15.02.2011
(54) ARRANGEMENT AND METHOD FOR CONTROL OF A PISTON MOVEMENT
(73) Scania CV AB
(72) SCHLÜTER, Ortwin
(31) 1050170
(32) 24.02.2010
(33) Sweden

(51) F16H 61/30
F16H 59/38
F16H 59/70
F16H 61/00
F16H 63/30
(11) EP3175150
(21) EP15744484.5
(47) 07.08.2019
(87) EP2015001550
04.02.2016
(22) 28.07.2015

(54) HYDRAULIC OR PNEUMATIC OPERATING DEVICE FOR OPERATING ACTUATORS IN A MOTOR VEHICLE TRANSMISSION
(73) FTE automotive GmbH
(72) MACHT, Egid
STÖSSEL, Roland
STÖHR, Reinhold
FECKE, Karin
FUCHS, Dietmar
REUL, Alexander
WILL, Wilhelm
VOIGT, Christian
HEUBNER, Wilhelm
(31) 102014011177
(32) 31.07.2014
(33) Germany

(51) F16H 61/688
F16D 48/08
F16H 3/08
F16H 3/00
(11) EP2578906
(21) EP11786270.6
(47) 07.08.2019
(87) JP2011002366
01.12.2011
(22) 22.04.2011
(54) DUAL CLUTCH TRANSMISSION, MOTORCYCLE, AND START CONTROL METHOD
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) ARAI, Katsuhiro
(31) 2010120791
(32) 26.05.2010
(33) Japan

(51) F16J 1/12
F16B 3/04
F15B 15/14
(11) EP2898238
(21) EP13798547.9
(47) 07.08.2019
(87) DE2013000532
27.03.2014
(22) 19.09.2013
(54) PISTON UNIT OF A WORKING CYLINDER
(73) Bümach Engineering International B.V.
(72) BUETER, Josef
(31) 202012008997 U
(32) 19.09.2012
(33) Germany

(51) F16J 1/22
F01P 3/10
F01M 1/06
F16J 1/24
F16C 11/06
(11) EP3290753
(21) EP17187165.0
(47) 07.08.2019
(22) 22.08.2017
(54) HINGED PISTON AND ROD ASSEMBLY WITH SPEED INCREASE OF AN INTERNAL OIL STREAM
(73) PSA Automobiles SA
(72) PETIT, BENJAMIN
POGAM, MATTHIEU
(31) 1658112
(32) 01.09.2016
(33) France

(51) F16J 15/34
(11) EP2990700
(21) EP13882696.1
(47) 07.08.2019
(87) JP2013084029
30.10.2014
(22) 19.12.2013
(54) SLIDING PART
(73) Eagle Industry Co., Ltd.
(72) ITADANI, Masatoshi
TOKUNAGA, Yuichiro
SUNAGAWA, Kazumasa
KATORI, Hikaru
(31) 2013091026
(32) 24.04.2013
(33) Japan

(51) F16J 15/44
F04D 29/047
F04D 29/12
F16J 15/40
F04D 29/10
(11) EP2636931
(21) EP12765861.5
(47) 07.08.2019
(87) JP2012056060
04.10.2012
(22) 09.03.2012
(54) SEAL DEVICE
(73) Eagle Industry Co., Ltd.
(72) INOUE Hideyuki
(31) 2011074361
(32) 30.03.2011
(33) Japan

(51) F16K 1/36
F16K 1/46
(11) EP3129685
(21) EP15717762.7
(47) 07.08.2019
(87) US2015024805
15.10.2015
(22) 08.04.2015
(54) FLOW PATH VELOCITY MODIFIER FOR A CONTROL VALVE
(73) Emerson Process Management Regulator Technologies, Inc.
(72) ROPER, Daniel G.
MCKINNEY, Harold J.
(31) 201461976828 P
(32) 08.04.2014
(33) United States of America

(51) F16K 3/02
F16K 35/04
(11) EP3265704
(21) EP16707642.1
(47) 07.08.2019
(87) EP2016052602
09.09.2016
(22) 08.02.2016
(54) VALVE BONNET FOR FITTINGS
(73) Flühs Drehtechnik GmbH
(72) THURAU, Friedrich
(31) 202015101019 U
(32) 03.03.2015
(33) Germany

(51) F16K 3/36
F16N 3/00
F16K 3/02
(11) EP3004698
(21) EP14807450.3
(47) 07.08.2019
(87) US2014040737
11.12.2014
(22) 03.06.2014
(54) LUBRICATION SYSTEM FOR A GATE VALVE
(73) Emerson Vulcan Holding LLC
(72) KELLEY, John, D.
MOORE, Kirk, W.
(31) 201361830451 P
(32) 03.06.2013
(33) United States of America

(51) F16K 5/04
F16K 11/085
(11) EP3067597
(21) EP15158175.8
(47) 07.08.2019
(22) 09.03.2015
(54) Use of a fluid control valve
(73) ESBE AB
(72) Davidsson, Jonas

(51) F16K 11/087
(11) EP2672153
(21) EP12004294.0
(47) 07.08.2019
(22) 05.06.2012
(54) Ball valve
(73) Delta Systemtechnik GmbH
(72) Geck, Thomas

(51) F16K 15/20
B60C 29/00
B60C 29/02
(11) EP2844504
(21) EP13737432.8
(47) 07.08.2019
(87) IT2013000128
07.11.2013
(22) 02.05.2013
(54) SNAP-IN VALVE FOR RUBBER WHEELS
(73) Wonder SPA
(72) GOSI, Matteo
CAZZANTI, Stefano
CAPELLI, Andrea
(31) CR20120011
(32) 02.05.2012
(33) Italy

(51) F16K 17/32
(11) EP2697546
(21) EP12717980.2
(47) 07.08.2019
(87) US2012033530
18.10.2012
(22) 13.04.2012
(54) TORSIONAL SPRING FOR A SLAM-SHUT SAFETY DEVICE
(73) Emerson Process Management Regulator Technologies, Inc.
(72) COJOCARU, Theodor
VALEAN, Adrian,
ALEXANDRU-VLAD, Roman
(31) 201161476169 P
(32) 15.04.2011
(33) United States of America

(51) F16K 31/06

F16F 9/46
F16K 1/54
(11) EP3008366
(21) EP14731169.0
(47) 07.08.2019
(87) EP2014061481
18.12.2014
(22) 03.06.2014
(54) ELECTROMAGNETIC VALVE FOR CONTROLLING THE FLOW OF A PRESSURE MEDIUM
(73) Kendrion (Villingen) GmbH
(72) FLÜHS, Joachim
BRANDENBURG, Holger
(31) 102013211014
(32) 13.06.2013
(33) Germany

(51) F16K 31/40
F01M 1/08
F01M 1/16
F01P 3/08
F16K 31/06
F16K 31/42
(11) EP2955424
(21) EP14749079.1
(47) 07.08.2019
(87) JP2014052654
14.08.2014
(22) 05.02.2014
(54) ENGINE INCLUDING OIL LEVEL REGULATING APPARATUS
(73) Taiho Kogyo Co., Ltd
(72) KISHI Yoshinobu
NOGUCHI Naoto
KAWAHARA Masahiro
(31) 2013020306
(32) 05.02.2013
(33) Japan

(51) F16K 37/00
B28C 5/42
B28C 7/02
G01F 22/00
G01F 22/02
G01M 13/00
(11) EP3189259
(21) EP15838750.6
(47) 07.08.2019
(87) CA2015050838
10.03.2016
(22) 01.09.2015
(54) SYSTEM AND METHOD FOR DETERMINING A STATUS OF A VALVE
(73) Command Alkon Incorporated
(72) BEAUPRÉ, Denis
(31) 201462046227 P
(32) 05.09.2014
(33) United States of America

(51) F16K 47/02
F16K 15/03
F16K 47/00
(11) EP3181969
(21) EP15461583.5
(47) 07.08.2019
(22) 14.12.2015
(54) CHECK VALVE
(73) Hamilton Sundstrand Corporation
(72) FIEDZIUK, Mariusz

(51) F16L 11/08
(11) EP2882989
(21) EP13735350.4
(47) 07.08.2019
(87) EP2013064846
13.02.2014
(22) 12.07.2013
(54) FLEXIBLE PIPE BODY AND METHOD OF PROVIDING THE SAME
(73) GE Oil & Gas UK Limited
(72) AGARWAL, Krishna Kant
LAL, Bihari
SELVAN, Senthamil
(31) 12179490
(32) 07.08.2012
(33) European Patent Office (EPO)

(51) F16L 13/14
(11) EP3347637
(21) EP16771007.8
(47) 07.08.2019
(87) NL2016050618
16.03.2017
(22) 06.09.2016
(54) PRESS FITTING FOR PIPES HAVING A CHECK RING
(73) VSH Fittings B.V.
(72) RUISSEN, Johannes
HULLEGIEN, Andreas Hubertus
(31) 2015413
(32) 08.09.2015
(33) Netherlands

(51) F16L 17/04
A61M 5/20
A61M 5/31
A61M 5/30
(11) EP3316933
(21) EP16742362.3
(47) 07.08.2019
(87) FR2016051658
05.01.2017
(22) 30.06.2016
(54) NEEDLELESS INJECTOR WITH IMPROVED SEAL
(73) Crossject
(72) VIVIEN, Gilles
VIGOT, Xavier
(31) 1556161
(32) 30.06.2015
(33) France

(51) F16L 29/04
(11) EP2981748
(21) EP14715003.1
(47) 07.08.2019
(87) EP2014056620
09.10.2014
(22) 02.04.2014
(54) RELEASABLE COUPLING FOR A GAS DISTRIBUTION LINE OF A SYSTEM FOR REFUELLING MOTOR VEHICLES
(73) Alfa Gomma S.p.A.
(72) GENNASIO, Enrico
MAZZOLI, Stefano
DOI, Rinaldo
(31) MI20130526
(32) 05.04.2013
(33) Italy

(51) F16L 33/01
(11) EP3014157
(21) EP14733149.0
(47) 07.08.2019
(87) EP2014063226
31.12.2014
(22) 24.06.2014
(54) FLEXIBLE PIPE AND METHOD
(73) Technip France
(72) BOURGET, Jean-Christophe
LAAF, Fred
PREVOST, Pascal
CHAUDET, Guillaume
(31) 1356007
(32) 24.06.2013
(33) France

(51) F16L 33/22
F16L 47/04
F16L 19/028
F16L 13/14
F16L 15/08
F16L 19/04
(11) EP2995839
(21) EP14795384.8
(47) 07.08.2019
(87) JP2014058004
13.11.2014
(22) 24.03.2014
(54) PIPE CONNECTING DEVICE
(73) NIPPON PILLAR PACKING CO., Ltd.
(72) FUJII Makoto
IIDA Toshihide
(31) 2013098314
(32) 08.05.2013
(33) Japan

(51) F16L 37/08
E02F 3/36
(11) EP3052706
(21) EP14711370.8
(47) 07.08.2019
(87) US2014019286
22.01.2015
(22) 28.02.2014
(54) IMPLEMENT INTERFACE
(73) Clark Equipment Company
(72) BEHR, Eric J.
BECKER, Brandon
BINSTOCK, Mark W.
(31) 201361846841 P
(32) 16.07.2013
(33) United States of America

(51) F16L 39/06
F16J 15/34
(11) EP3064820
(21) EP14857999.8
(47) 07.08.2019
(87) JP2014077471
07.05.2015
(22) 15.10.2014
(54) ROTARY JOINT
(73) Nippon Pillar Packing Co., Ltd.
(72) FUKUMOTO, Takato
KIKUYAMA, Yoshinori
(31) 2013223409
(32) 28.10.2013
(33) Japan

(51) F16L 57/00
H05F 1/00
(11) EP2947367
(21) EP15168815.7
(47) 07.08.2019

(22) 22.05.2015
(54) ANTISTATIC COVER
(73) Nippon Pillar Packing Co., Ltd.
(72) Teshima, Kazukiyo
Matsuda, Satoru
Miyamoto, Masaki
Urata, Daisuke
Ohmae, Kiyotaka
(31) 2014106732
2014199734
2014224647
2014224648
(32) 23.05.2014
30.09.2014
04.11.2014
04.11.2014
(33) Japan
Japan
Japan
Japan

(51) F16L 58/18
F16L 41/08
F16L 47/28
E03F 3/04
E03F 5/02
(11) EP3324093
(21) EP16199887.7
(47) 07.08.2019
(22) 21.11.2016
(54) ADAPTER FLANGE FOR PIPE TAPPING
(73) Norham
(72) PALLY, Sébastien
LAMBERTON, Mikaël
NOGUES, Sacha
MICHEL, François

(51) F16L 59/06
F24H 1/00
F24H 9/00
H02P 8/34
H02P 8/22
F16L 59/08
F16L 59/02
B32B 37/10
E04B 1/80
F16L 59/065
(11) EP2631524
(21) EP11833932.4
(47) 07.08.2019
(87) IB2011002897
26.04.2012
(22) 17.10.2011
(54) VACUUM INSULATION MATERIAL, AND MANUFACTURING METHOD FOR SAME
(73) Mitsubishi Electric Corporation
(72) SHINOKI, Toshio
SUZUKI, Shunkei
(31) 2010233649
(32) 18.10.2010
(33) Japan

(51) F16P 1/02
F16P 3/02
B65B 21/00
B65C 9/00
B67C 3/00
(11) EP2404100
(21) EP09779109.9
(47) 07.08.2019
(87) EP2009052557
10.09.2010
(22) 04.03.2009
(54) A PROTECTION SYSTEM FOR CONTAINER TREATMENT MACHINES
(73) Sidel S.p.A.
(72) GIULIANI, Mattia
FERRI, Marco

(51) F17C 1/00
(11) EP2929228
(21) EP12805509.2
(47) 07.08.2019
(87) EP2012074579
12.06.2014
(22) 05.12.2012
(54) PRESSURE VESSEL WITH HIGH TENSION WINDING TO REDUCE FATIGUE
(73) Blue Wave Co S.A.
(72) NETTIS, Francesco
SPENCER, Brian
SPENCER, Zachary
TOMASELLI, Vanni Neri

(51) F17C 9/00
F17C 5/06
F17C 9/02
(11) EP2444712
(21) EP11009863.9
(47) 07.08.2019
(22) 19.06.2008
(54) Fuel gas supply system of a ship
(73) Daewoo Shipbuilding&Marine Engineering Co., Ltd.
(72) Lee, Jung Han
Kwon, Soon Been
Kim, Nam Soo
Cho, Ik Kyu
Choi, Dong Kyu
Park, Hyun Ki
(31) 20070072242
20070121558
20070123679
20080020356
(32) 19.07.2007
27.11.2007
30.11.2007
05.03.2008
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) F17C 9/00
F17C 5/06
F17C 9/02
(11) EP2447592
(21) EP12000492.4
(47) 07.08.2019
(22) 19.06.2008
(54) Fuel gas supply system and method of a ship
(73) Daewoo Shipbuilding & Marine Engineering Co., Ltd.
(72) Lee, Jung Han
Kim, Nam Soo
Choi, Dong Kyu
Kwon, Soon Been
Cho, Ik Kyu
Park, Hyun Ki
(31) 20070072242
20070121558
20070123679
20080020356
(32) 19.07.2007
27.11.2007
30.11.2007
05.03.2008
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) F17C 13/04
(11) EP2273179
(21) EP10183372.1
(47) 07.08.2019
(22) 20.06.2003
(54) A valve for closing a container
(73) Soda-Club (CO2) AG
(72) Funt, Mark
Leved, Gregory
Ben-Simon, MIchel
Cohen, Avraham
(31) 02015978
(32) 18.07.2002
(33) European Patent Office (EPO)

(51) F21K 9/232
F21K 9/237
F21K 9/90
F21V 19/00
F21V 29/503
F21Y 115/10
F21Y 107/10
F21Y 107/30
(11) EP3308071
(21) EP16730757.8
(47) 07.08.2019
(87) EP2016063025
15.12.2016
(22) 08.06.2016
(54) LIGHT BULB WITH SOLID-STATE LIGHTING DEVICES
(73) Signify Holding B.V.
(72) GIELEN, Vincent Stefan David
MARINUS, Antonius Adrianus Maria
VAN UDEN, Martijn Jochem
(31) 15171562
(32) 11.06.2015
(33) European Patent Office (EPO)

(51) F21K 9/64
F21Y 115/10
F21Y 113/13
F21Y 113/17
H01L 33/50
H01L 25/075
H05B 33/08
(11) EP3201953
(21) EP15777841.6
(47) 07.08.2019
(87) US2015053005
07.04.2016
(22) 29.09.2015
(54) LIGHT SOURCE WITH TUNABLE EMISSION SPECTRUM
(73) Lumileds Holding B.V.
(72) SHCHEKIN, Oleg Borisovich
CHOI, Han-Ho
VAMPOLA, Kenneth
JIN, Fahong

(31) 201462058162 P
(32) 01.10.2014
(33) United States of America

(51) F21S 8/00
F21V 7/04
(11) EP1900998
(21) EP07018209.2
(47) 07.08.2019
(22) 17.09.2007
(54) Reflector with a structure featuring light
(73) Siteco Beleuchtungstechnik GmbH
(72) Teklak, Janusz
(31) 102006043405
(32) 15.09.2006
(33) Germany

(51) F21S 8/02
F21V 23/00
F21V 29/15
F21V 29/77
(11) EP3144582
(21) EP16189190.8
(47) 07.08.2019
(22) 16.09.2016
(54) LIGHT FIXTURE
(73) Simon, S.A.U.
(72) PLAJA MIRÓ, Salvi
RIQUÉ REBULL, Adrià
BATISTE MAYAS, Clara
(31) 201531331
(32) 18.09.2015
(33) Spain

(51) F21S 8/04
F21V 3/02
F21V 3/04
F21V 21/02
G02B 6/00
(11) EP3315848
(21) EP17196888.6
(47) 07.08.2019
(22) 17.10.2017
(54) LIGHTING DEVICE AND LIGHTING UNIT
(73) H4X e.U.
(72) Hierzer, Andreas
(31) 102016221257
(32) 28.10.2016
(33) Germany

(51) F21S 10/00
F21V 14/08
F21V 11/18
F21V 9/08
F21W 131/406
(11) EP2614292
(21) EP11823100.0
(47) 07.08.2019
(87) DK2011050334
15.03.2012
(22) 08.09.2011
(54) LIGHT EFFECT SYSTEM FOR FORMING A LIGHT BEAM
(73) Harman Professional Denmark ApS
(72) HANSEN, Claus Ellevang
(31) 201000811
(32) 10.09.2010
(33) Denmark

(51) F21S 41/143
F21S 41/255
F21S 41/689
F21S 41/47
(11) EP2610546
(21) EP12008572.5
(47) 07.08.2019
(22) 21.12.2012
(54) Vehicle headlamp
(73) Ichikoh Industries, Ltd.
(72) Okubo, Yasuhiro
(31) 2011286655
(32) 27.12.2011
(33) Japan

(51) F21S 41/162
F21S 41/43
(11) EP3055612
(21) EP14833182.0
(47) 07.08.2019
(87) IB2014065096
16.04.2015
(22) 07.10.2014
(54) HEAT DISTRIBUTING LAMP SHIELD
(73) SABIC Global Technologies B.V.
(72) LYNCH, Christopher Terence
(31) 201361887710 P
(32) 07.10.2013
(33) United States of America

(51) F21S 41/19
F21S 41/143
F21S 41/32
F21S 41/33
F21S 41/36
F21S 41/43
(11) EP2561268
(21) EP11722530.0
(47) 07.08.2019
(87) IB2011051560
27.10.2011
(22) 12.04.2011
(54) LED FRONT LIGHTING ARRANGEMENT
(73) Lumileds Holding B.V.
(72) SPINGER, Benno
BENTER, Nils
SCHUG, Josef Andreas
(31) 10160318
(32) 19.04.2010
(33) European Patent Office (EPO)

(51) F21S 41/675
F21Y 115/10
(11) EP3276253
(21) EP17183217.3
(47) 07.08.2019
(22) 26.07.2017
(54) LIGHTING MODULE OF A MOTOR VEHICLE HEADLIGHT WITH VARIABLE-OPENING BEAM
(73) Valeo Vision
(72) ALBOU, Pierre
MOREL, Xavier
EL IDRISSI, Hafid
SOMMERSCHUH, Stephan
(31) 1657436
(32) 29.07.2016
(33) France

(51) F21S 43/20
F21S 43/237
F21S 43/239
F21S 43/243
F21S 43/50
(11) EP3290779
(21) EP17187584.2
(47) 07.08.2019
(22) 23.08.2017
(54) LIGHTING AND/OR SIGNALLING DEVICE FOR VEHICLE, COMPRISING A LIGHT GUIDE WITH WIDENED END
(73) PSA Automobiles SA
(72) PERON, Rodolphe
(31) 1658116
(32) 01.09.2016
(33) France

(51) F21V 5/00
F21K 9/90
F21Y 115/10
F21Y 105/10
(11) EP3234454
(21) EP14908219.0
(47) 07.08.2019
(87) CN2014094306
23.06.2016
(22) 19.12.2014
(54) LIGHT MODULE ASSEMBLY HAVING REDUCED MOISTURE INGRESS AND METHOD FOR MANUFACTURING THE SAME
(73) GE Lighting Solutions, LLC
(72) SPAHNIE, Brian Morgan
WANG, Xin
WANG, Suping
FENG, Yongli
NI, Yan

(51) F21V 5/04
F21V 7/00
G02B 19/00
F21Y 113/13
F21Y 115/10
(11) EP3440401
(21) EP17714810.3
(47) 07.08.2019
(87) EP2017057996
12.10.2017
(22) 04.04.2017
(54) A LENS WITH SLITS
(73) Signify Holding B.V.
(72) WONDERGEM-DE BEST, Anna, Wilhelmina, Maria
VISSENBERG, Michel, Cornelis, Josephus, Marie
ANSEMS, Johannes, Petrus, Maria
HAENEN, Ludovicus, Johannes, Lambertus
VAN KAATHOVEN, Dirk, Jan
(31) 16164166
(32) 07.04.2016
(33) European Patent Office (EPO)

(51) F21V 7/00
(11) EP2726781
(21) EP12742952.0
(47) 07.08.2019
(87) IB2012053273
10.01.2013
(22) 28.06.2012
(54) LIGHT GUIDE
(73) Signify Holding B.V.
(72) KESER, Merijn
VAN AS, Marco
VAN KEMPEN, Frank Walterus Franciscus Marie

(31) 11172400
(32) 01.07.2011
(33) European Patent Office (EPO)

(51) F21V 8/00
G02B 27/01
G02B 27/14
(11) EP3259523
(21) EP16710013.0
(47) 07.08.2019
(87) IL2016050158
25.08.2016
(22) 10.02.2016
(54) COMPACT HEAD-MOUNTED DISPLAY SYSTEM HAVING UNIFORM IMAGE
(73) Lumus Ltd
(72) AMITAI, Yaakov
(31) 23733715
(32) 19.02.2015
(33) Israel

(51) F21V 8/00
G02F 1/1335
(11) EP3330605
(21) EP17202605.6
(47) 07.08.2019
(22) 20.11.2017
(54) DISPLAY APPARATUS
(73) Samsung Electronics Co., Ltd.
(72) YOO, Jun-Mo
(31) 20160164495
(32) 05.12.2016
(33) Korea (Republic)

(51) F21V 15/01
F21V 5/04
F21S 4/28
(11) EP3220044
(21) EP17305287.9
(47) 07.08.2019
(22) 16.03.2017
(54) LINEAR LIGHTING DEVICE WITH LINEAR LENS AND SIDE FLANGES FOR LIGHT DIFFUSION
(73) EUROPHANE SAS
(72) FOUROT, Jérome
(31) 1652363
(32) 19.03.2016
(33) France

(51) F21V 33/00
F21L 4/00
F21V 8/00
F21Y 115/10
A47G 23/03
(11) EP3269277
(21) EP17175678.6
(47) 07.08.2019
(22) 13.06.2017
(54) LUMINOUS BASE
(73) Kuo, Chia-Shin
Kuo, Yu-Feng
(72) Kuo, Chia-Shin
Kuo, Yu-Feng
(31) 105210467 U
(32) 12.07.2016
(33) Taiwan, Province of China

(51) F21V 33/00
F21V 3/06
F21V 15/01
F21K 9/90
F21Y 115/10
(11) EP3194847
(21) EP15805378.5
(47) 07.08.2019
(87) BE2015000043
24.03.2016
(22) 15.09.2015
(54) LIGHT FIXTURE MADE OF OPEN CELL ACOUSTIC FOAM
(73) Isomo N.V.
(72) VEREECKE, Thierry
(31) 201400691
(32) 15.09.2014
(33) Belgium

(51) F21W 131/406
G02B 5/02
H05B 37/02
H05B 33/08
F21V 21/14
F21S 10/00
G02B 6/00
F21S 10/02
F21V 5/00
F21Y 105/12
F21Y 113/10
F21V 7/00
F21V 21/30
F21Y 115/10
G02B 26/08
F21Y 113/13
F21Y 105/10
F21Y 113/20
(11) EP3343103
(21) EP18156524.3
(47) 07.08.2019
(22) 05.04.2011
(54) LED LIGHT FIXTURE WITH BACKGROUND LIGHT EFFECTS
(73) Harman Professional Denmark ApS
(72) VINTHNER, Thomas
HANSEN, Claus
(31) 201000361
(32) 23.04.2010
(33) Denmark

(51) F23C 3/00
F23D 14/12
(11) EP3242081
(21) EP17168088.7
(47) 07.08.2019
(22) 25.04.2017
(54) OPTIMIZATION OF GAS FIRED RADIANT TUBE HEATERS
(73) Superior Radiant Products Ltd.
(72) File, Gjergji
Merritt, Kevin
(31) 201662328045 P
(32) 27.04.2016
(33) United States of America

(51) F23C 10/16
F23J 15/00
F23L 5/02
F23L 15/00
(11) EP2980476
(21) EP14772740.8
(47) 07.08.2019
(87) JP2014053427
02.10.2014
(22) 14.02.2014
(54) PRESSURIZED FLUIDIZED FURNACE EQUIPMENT
(73) Tsukishima Kikai Co., Ltd.
(72) KOBAYASHI Toshiki
YAMAMOTO Takafumi
TERAKOSHI Kazuyoshi
(31) 2013064470
(32) 26.03.2013
(33) Japan

(51) F23D 14/22
F23D 99/00
F23D 14/08
F23D 14/58
(11) EP2811228
(21) EP13171027.9
(47) 07.08.2019
(22) 07.06.2013
(54) Burner
(73) Haldor Topsøe A/S
(72) Holm-Christensen, Olav
Boe, Michael

(51) F23D 14/60
F23N 1/02
F23N 5/18
(11) EP3301364
(21) EP17174747.0
(47) 07.08.2019
(22) 07.06.2017
(54) COMBUSTION UNIT WITH A BURNER AND FLOW MEASUREMENT OF TURBULENT FLOWS
(73) Siemens Aktiengesellschaft
(72) Lochschmied, Rainer
Schmanau, Mike
Schmiederer, Bernd
(31) 16191977
(32) 30.09.2016
(33) European Patent Office (EPO)

(51) F23G 1/00
F23G 5/40
F23G 5/16
F23G 5/46
A61G 17/00
A61G 17/08
(11) EP2045525
(21) EP08425644.5
(47) 07.08.2019
(22) 01.10.2008
(54) Mobile cremation systems
(73) PANTAREI S.r.l.
(72) Alessandretti, Cesarina
Ranchetti, Enzo
(31) BS20070143
(32) 02.10.2007
(33) Italy

(51) F23G 5/32
F23G 5/40
F23G 5/46
F23G 5/50
F23J 15/02
F23J 15/04
(11) EP2479493
(21) EP12152189.2
(47) 07.08.2019
(22) 23.01.2012
(54) Combustion device, incineration unit comprising such a combustion device, and

method for implementing such a combustion device
(73) Exploitation Energetique de Sous Produits Industriels et Agricoles - Exedia
(72) Martin, Gérard
Adam, Bruno
(31) 1150497
(32) 21.01.2011
(33) France

(51) F23G 7/06
D01F 9/32
(11) EP3249295
(21) EP15878856.2
(47) 07.08.2019
(87) JP2015075754
28.07.2016
(22) 10.09.2015
(54) EXHAUST GAS TREATMENT METHOD AND EXHAUST GAS TREATMENT DEVICE
(73) Taiyo Nippon Sanso Corporation
(72) YAMAMOTO Yasuyuki
IINO Kimio
HAGIHARA Yoshiyuki
(31) 2015009572
(32) 21.01.2015
(33) Japan

(51) F23J 13/08
F23J 3/02
F23J 11/12
F23L 17/00
F23L 17/02
(11) EP3040613
(21) EP14200538.8
(47) 07.08.2019
(22) 30.12.2014
(54) A motor-driven chimney draft system
(73) exodraft a/s
(72) Andersen, Jørgen

(51) F23K 5/18
F23R 3/28
F23D 11/38
F23D 17/00
F02C 9/40
(11) EP2379944
(21) EP09833087.1
(47) 07.08.2019
(87) IT2009000039
24.06.2010
(22) 06.02.2009
(54) METHOD FOR SUPPLYING A GAS TURBINE PLANT AND GAS TURBINE PLANT
(73) Ansaldo Energia S.p.A.
(72) GATTI, Roberta
FERRARI, Fabrizio
MINERVINI, Luigi
PESCE, Paolo
BONZANI, Federico
PASTORINO, Pierpaolo
OLIVERI, Marco
(31) MI20082263
(32) 19.12.2008
(33) Italy

(51) F23M 5/00
F23M 5/08
F02C 7/12
F23R 3/42
F23R 3/00
F23R 3/06
(11) EP3008392
(21) EP14811706.2
(47) 07.08.2019
(87) US2014042124
18.12.2014
(22) 12.06.2014
(54) GAS TURBINE ENGINE WAVE GEOMETRY COMBUSTOR LINER PANEL
(73) United Technologies Corporation
(72) DRAKE, Christopher
(31) 201361835153 P
201361866285 P
(32) 14.06.2013
15.08.2013
(33) United States of America
United States of America

(51) F23M 5/02
F23R 3/00
F23R 3/06
F23R 3/04
(11) EP2975323
(21) EP15172537.1
(47) 07.08.2019
(22) 17.06.2015
(54) AN ANNULAR COMBUSTION CHAMBER WALL ARRANGEMENT
(73) Rolls-Royce plc
(72) Balandier, Quentin
Chalmers, Douglas
(31) 201412460
(32) 14.07.2014
(33) United Kingdom

(51) F23M 5/04
F23M 5/08
F27D 1/12
F27D 1/14
(11) EP3152493
(21) EP15738149.2
(47) 07.08.2019
(87) NL2015000019
10.12.2015
(22) 04.06.2015
(54) COMBINATION OF A REFRACTORY LINING AND A TUBE WALL FOR AN INCINERATOR
(73) HKH Development B.V.
(72) VAN DER HOEFF, Joseph, Adrianus, Maria
KOENDERS, John
(31) 1040836
1040929
1041195
(32) 06.06.2014
29.08.2014
16.02.2015
(33) Netherlands
Netherlands
Netherlands

(51) F23M 5/08
F23G 5/027
F23G 5/38
F23G 5/46
F23C 3/00
F22B 1/00
C10J 3/46
(11) EP2687783
(21) EP11861351.2
(47) 07.08.2019
(87) JP2011056563
27.09.2012
(22) 18.03.2011
(54) COMBUSTION DEVICE
(73) Mitsubishi Heavy Industries Environmental & Chemical Engineering Co., Ltd.
(72) SATO Jun
SHIRAI Toshimasa
SAITO Yoshihisa
YOSHIMITSU Norio
TERABE Yasunori

(51) F23N 5/24
F23N 5/18
(11) EP2995861
(21) EP14184273.2
(47) 07.08.2019
(22) 10.09.2014
(54) Valve operation and diagnosis
(73) Siemens Aktiengesellschaft
(72) Gnoss, Thomas
Heger, Michael
Lochschmied, Rainer
Pallek, Anton
Schmanau, Mike
Schmiederer, Bernd
Wetzel, Martin
Wiegand, Armin

(51) F23R 3/00
F02P 13/00
H01T 13/08
F02C 7/266
F02C 7/28
(11) EP2964950
(21) EP13792790.1
(47) 07.08.2019
(87) US2013067504
12.09.2014
(22) 30.10.2013
(54) GAS TURBINE ENGINE WITH FLEXIBLE BELLOWS IGNITER SEAL ASSEMBLY
(73) Rolls-Royce Corporation
(72) BENNETT, Russell
BELL, Michael, S.
(31) 201361774422 P
(32) 07.03.2013
(33) United States of America

(51) F24C 15/10
H05B 6/12
(11) EP2679913
(21) EP13172378.5
(47) 07.08.2019
(22) 18.06.2013
(54) DOMESTIC APPLIANCE
(73) BSH Hausgeräte GmbH
(72) Almolda Fandos, Manuel
Anton Falcon, Daniel
Aranda Vazquez, Sandra
Arnal Valero, Adolfo
Ceamanos Gaya, Jesús
Dionisio Micolau, Diego
Hernandez Blasco, Pablo Jesus
Martin Gomez, Damaso
Marzo Alvarez, Teresa Del Carmen
Moros Sanz, Daniel
Pina Gadea, Carmelo
Sanchez Garcia, Eva Maria

Valencia Betran, María
(31) 201231000
(32) 28.06.2012
(33) Spain

(51) F24D 3/10
F16J 3/02
F16L 55/053
(11) EP3351860
(21) EP18150270.9
(47) 07.08.2019
(22) 04.01.2018
(54) EXPANSION VESSEL WITH DIAPHRAGM
(73) Varem S.p.A.
(72) MAZZUCATO, Filippo
(31) 201700004788
(32) 18.01.2017
(33) Italy

(51) F24D 5/08
F23D 14/02
F23D 14/14
F23C 3/00
F23L 3/00
F23L 5/02
F23C 9/00
F23D 14/60
(11) EP3346198
(21) EP17207170.6
(47) 07.08.2019
(22) 13.12.2017
(54) HEATING SYSTEM WITH RADIANT STRIPS
(73) Carlieuklima S.r.l.
(72) MARTOREL, Gastone
(31) 201600126485
(32) 14.12.2016
(33) Italy

(51) F24D 10/00
F24D 19/10
F24F 5/00
(11) EP3371515
(21) EP16790344.2
(47) 07.08.2019
(87) EP2016076354
11.05.2017
(22) 02.11.2016
(54) A LOCAL THERMAL ENERGY CONSUMER ASSEMBLY AND A LOCAL THERMAL ENERGY GENERATOR ASSEMBLY FOR A DISTRICT THERMAL ENERGY DISTIBUTION SYSTEM
(73) E.ON Sverige AB
(72) ROSÉN, Per
(31) 15192960
(32) 04.11.2015
(33) European Patent Office (EPO)

(51) F24D 19/10
G01K 17/06
G01K 17/00
G06F 17/50
F24F 5/00
(11) EP3147575
(21) EP16185415.3
(47) 07.08.2019
(22) 24.08.2016
(54) METHOD AND DEVICE FOR DETERMINING THE HEATING REQUIREMENTS OF A BUILDING
(73) Techem Energy Services GmbH
(72) Kähler, Arne
Schulz, Hans-Jürgen
(31) 102015116001
(32) 22.09.2015
(33) Germany

(51) F24F 1/00
F24F 13/14
(11) EP3029385
(21) EP15196304.8
(47) 07.08.2019
(22) 25.11.2015
(54) AIR CONDITIONER
(73) MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.
(72) MATSUMOTO, Soichiro
(31) 2014244152
(32) 02.12.2014
(33) Japan

(51) F24F 1/22
F24F 13/20
F24F 1/24
(11) EP3128243
(21) EP15773757.8
(47) 07.08.2019
(87) JP2015050804
08.10.2015
(22) 14.01.2015
(54) AIR CONDITIONER OUTDOOR UNIT
(73) Mitsubishi Electric Corporation
(72) YANASE, Tomoya
KUBONO, Toshiyuki
JINNAI, Hiroyuki
(31) 2014077923
(32) 04.04.2014
(33) Japan

(51) F24F 3/06
F25B 13/00
F25B 49/02
F25B 31/00
F24D 3/18
(11) EP2312226
(21) EP10180517.4
(47) 07.08.2019
(22) 28.09.2010
(54) Heat pump apparatus
(73) Fujitsu General Limited
(72) Itagaki, Atsushi
Sugiyama, Takashi
Fuji, Toshiyuki
(31) 2009225954
2009237875
(32) 30.09.2009
15.10.2009
(33) Japan
Japan

(51) F24F 3/16
B01D 46/00
G01N 15/06
G01N 15/08
F24F 11/00
(11) EP3018423
(21) EP15191949.5
(47) 07.08.2019
(22) 28.10.2015
(54) CONTAMINATION SENSOR, AIR PURIFIER HAVING THE SAME AND CONTROL METHOD THEREOF
(73) Samsung Electronics Co., Ltd.
(72) BAEK, Jae-ho
KA, Kee-hwan
KIM, Chun-seong
KIM, Jung-kwon
HAN, Jeong-su
(31) 20140152041
20150061207
(32) 04.11.2014
30.04.2015
(33) Korea (Republic)
Korea (Republic)

(51) F24F 5/00
B05B 5/025
A01K 1/00
(11) EP2402670
(21) EP09838318.5
(47) 07.08.2019
(87) JP2009050654
22.07.2010
(22) 19.01.2009
(54) SPRAY COOLING FACILITY AND SPRAY METHOD
(73) HOCHIKI CORPORATION
(72) TSUJI, Toshihide
HAYASHI, Tatsuya

(51) F24F 5/00
F24H 1/00
F25B 29/00
F24F 11/41
F25B 13/00
F25B 7/00
F24D 11/02
F24F 3/06
F24F 140/50
(11) EP2527751
(21) EP10843803.7
(47) 07.08.2019
(87) JP2010000249
28.07.2011
(22) 19.01.2010
(54) AIR CONDITIONING-HOT WATER SUPPLY COMBINED SYSTEM
(73) Mitsubishi Electric Corporation
(72) YABUUCHI, Hironori
KOGE, Hirofumi

(51) F24F 6/04
F24F 13/20
F24F 13/08
F24F 110/10
F24F 110/20
F24F 110/50
F24F 110/64
F24F 110/66
F24F 11/30
(11) EP3165839
(21) EP14896467.9
(47) 07.08.2019
(87) CN2014093247
07.01.2016
(22) 08.12.2014
(54) HUMIDIFICATION DEVICE AND AIR TREATMENT SYSTEM
(73) Qingdao Haier Air Conditioner Gen Corp., Ltd.
(72) WANG, Youning
WANG, Jianguo
ZHU, Zhenxue

FAN, Mingjing
ZHUANG, Jialan
YUAN, Shanna
YU, Shipeng
DONG, Yuanwei
YAN, Wenming
LIU, Aibing
(31) 201410315359
(32) 03.07.2014
(33) China

(51) F24F 11/30
F24F 11/62
F24F 3/14
(11) EP2427698
(21) EP10734339.4
(47) 07.08.2019
(87) IN2010000284
11.11.2010
(22) 30.04.2010
(54) DESICCANT UNIT CONTROL SYSTEM AND METHOD
(73) Bry-Air (Asia) Pvt. Ltd.
(72) PAHWA, Deepak
SACHDEV, Rajan
GRIFFITHS, William, Charles
(31) 175119 P
920DE2009
(32) 04.05.2009
05.05.2009
(33) United States of America
India

(51) F24F 11/30
H04L 29/08
G05B 11/01
G05B 15/02
F24F 11/62
H04W 4/80
(11) EP2846105
(21) EP14181799.9
(47) 07.08.2019
(22) 21.08.2014
(54) Home appliance, home appliance system, and control method thereof
(73) LG Electronics Inc.
(72) Song, Yujin
Kim, Kyoungdong
Han, Dongwoo
(31) 20130099860
(32) 22.08.2013
(33) Korea (Republic)

(51) F24F 11/36
F25B 49/02
(11) EP3276284
(21) EP16768924.9
(47) 07.08.2019
(87) JP2016059560
29.09.2016
(22) 25.03.2016
(54) INDOOR UNIT OF AIR CONDITIONER
(73) Mitsubishi Electric Corporation
(72) MAKINO, Hiroaki
YAMAGUCHI, Kouji
TAZAWA, Tetsuya
(31) PCT/JP2015/001749
(32) 26.03.2015
(33) World Intellectual Property Office (WIPO)

(51) F24F 12/00
F28D 9/00
F28F 9/02
F28D 21/00
(11) EP2568229
(21) EP12004232.0
(47) 07.08.2019
(22) 02.06.2012
(54) Heat exchanger
(73) FläktGroup Deutschland GmbH
(72) Westerdorf, Thomas
(31) 102011112857
(32) 12.09.2011
(33) Germany

(51) F24F 13/28
B01D 46/00
B01D 46/44
(11) EP3190349
(21) EP15838047.7
(47) 07.08.2019
(87) KR2015009384
10.03.2016
(22) 04.09.2015
(54) AIR CONDITIONER AND CONTROL METHOD THEREFOR
(73) LG Electronics Inc.
(72) PARK, Jungmin
JEON, Hamin
SON, Howon
KIM, Heejae
(31) 20140117602
(32) 04.09.2014
(33) Korea (Republic)

(51) F24F 140/20
F25B 13/00
F25B 25/00
F25B 49/02
F24F 3/06
(11) EP2787298
(21) EP11876581.7
(47) 07.08.2019
(87) JP2011006686
06.06.2013
(22) 30.11.2011
(54) AIR CONDITIONING DEVICE
(73) Mitsubishi Electric Corporation
(72) SHIMAMOTO, Daisuke
MORIMOTO, Osamu
HONDA, Takayoshi
AZUMA, Koji
NISHIOKA, Koji

(51) F24H 1/10
E03D 9/08
(11) EP3012549
(21) EP14813083.4
(47) 07.08.2019
(87) JP2014003296
24.12.2014
(22) 19.06.2014
(54) HEATING DEVICE AND SANITARY WASHING DEVICE WITH SUCH A HEATING DEVICE
(73) Panasonic Corporation
(72) KUNIKI, Yasuhiro
ZHANG, Songda
(31) 201310246715
(32) 20.06.2013
(33) China

(51) F24H 1/20
A47L 15/42
H01H 37/76
H05B 1/02
H05B 3/78
H05B 3/48
F24H 9/20
(11) EP3109564
(21) EP15173708.7
(47) 07.08.2019
(22) 24.06.2015
(54) TERMINAL DEVICE FOR A TUBULAR HEATING DEVICE WITH INTEGRATED FUSE
(73) Bleckmann GmbH & Co. KG
(72) Reichl, Martin
Görg, Georg
Melcher, Peter

(51) F24H 1/28
F24H 9/00
(11) EP3356747
(21) EP16787943.6
(47) 07.08.2019
(87) PL2016000105
06.04.2017
(22) 21.09.2016
(54) A FIRED WATER HEATER
(73) AIC Spólka Akcyjna
(72) TOMICKI, Ariel
SZCZEPANSKI, Krzysztof
(31) 41419115
(32) 28.09.2015
(33) Poland

(51) F24H 1/28
F24H 9/00
F28F 1/12
F28F 1/40
F28F 3/02
B21D 53/04
F28D 21/00
(11) EP3096093
(21) EP16168731.4
(47) 07.08.2019
(22) 09.05.2016
(54) HEATING DEVICE
(73) Viessmann Werke GmbH & Co. KG
(72) Volkmann, Norbert
Sahin, Ulas
Lange, Denis
Guhl, Alexander
(31) 102015108059
(32) 21.05.2015
(33) Germany

(51) F24H 3/04
A47K 10/06
F24H 9/18
H05B 3/16
H05B 3/42
(11) EP3364122
(21) EP18151851.5
(47) 07.08.2019
(22) 16.01.2018
(54) DOMESTIC ELECTRIC HEATING DEVICE, IN PARTICULAR SUCH AS A TOWEL DRYER
(73) UNIGLORY INDUSTRIAL LIMITED
(72) PHILIPPE, Jean-Pierre
(31) 1770146
(32) 16.02.2017
(33) France

(51) F24S 10/00
F24S 20/20
F24S 10/80
(11) EP3359886
(21) EP16801559.2
(47) 07.08.2019
(87) IB2016056050
13.04.2017
(22) 10.10.2016
(54) VOLUMETRIC RECEIVER
(73) Fondazione Bruno Kessler
(72) ALBERTI, Fabrizio
ROCCABRUNA, Mattia
CREMA, Luigi
ROMERO ALVAREZ, Manuel
GONZALEZ-AGUILAR, José
SANTIAGO SACRISTAN, Sergio
(31) UB20154238
(32) 08.10.2015
(33) Italy

(51) F24S 20/67
F24S 20/66
F24S 25/20
F24S 25/33
F24S 25/632
F24S 25/636
F24S 25/65
F24S 80/70
E04B 2/90
E04D 3/08
E06B 3/54
E04B 2/96
(11) EP2449320
(21) EP10743009.2
(47) 07.08.2019
(87) DE2010000740
06.01.2011
(22) 26.06.2010
(54) SYSTEM COMPRISING A BUILDING ENVELOPE AND A SOLAR THERMAL OR PHOTOVOLTAIC MODULE
(73) Meinhardt, Dirk
(72) Meinhardt, Dirk
(31) 202009008931 U
(32) 29.06.2009
(33) Germany

(51) F24S 23/70
F24S 25/63
(11) EP3377827
(21) EP16778349.7
(47) 07.08.2019
(87) EP2016073889
13.04.2017
(22) 06.10.2016
(54) HELIOSTAT WITH SUPPORT AND METHOD FOR PRODUCING A HELIOSTAT
(73) SBP Sonne GmbH
(72) BALZ, Markus
GOECKE, Verena
(31) 102015219527
(32) 08.10.2015
(33) Germany

(51) F24S 70/30
F24S 40/50
(11) EP3067640
(21) EP16159464.3
(47) 07.08.2019
(22) 09.03.2016
(54) SOLAR ABSORBER
(73) Viessmann Werke GmbH & Co. KG
(72) Hafner, Bernd
Mercs, David
Pazidis, Alexandra
(31) 102015103394
(32) 09.03.2015
(33) Germany

(51) F24S 70/60
H02S 40/20
F24S 20/20
F24S 70/10
F24S 70/16
(11) EP3182033
(21) EP16202547.2
(47) 07.08.2019
(22) 06.12.2016
(54) SOLAR RECEIVER WITH METAMATERIALS-ENHANCED SOLAR LIGHT ABSORBING STRUCTURE
(73) Palo Alto Research Center, Incorporated
(72) LIU, Victor
CASSE, Bernard D.
VOLKEL, Armin R.
(31) 201514969139
(32) 15.12.2015
(33) United States of America

(51) F24S 80/50
F24S 80/00
F24S 25/60
F24S 10/75
F24S 80/453
F24S 80/457
(11) EP2716994
(21) EP11866642.9
(47) 07.08.2019
(87) ES2011070398
06.12.2012
(22) 03.06.2011
(54) SOLAR HEAT COLLECTOR
(73) Fundación Cidaut
(72) ALONSO SASTRE, Carlos
ZAMARRÓN PINILLA, Alberto
MERINO SENOVILLA, Juan Carlos

(51) F25B 1/00
(11) EP2813784
(21) EP11877666.5
(47) 07.08.2019
(87) JP2011007199
27.06.2013
(22) 22.12.2011
(54) AIR CONDITIONER
(73) Mitsubishi Electric Corporation
(72) TANAKA, Kosuke
YAMASHITA, Koji
HATOMURA, Takeshi
WAKAMOTO, Shinichi
TAKENAKA, Naofumi

(51) F25B 1/00
F25B 1/10
F25B 29/00
F25B 13/00
F25B 31/00
F25B 49/02
(11) EP2896911
(21) EP12884004.8
(47) 07.08.2019
(87) JP2012072848
13.03.2014
(22) 07.09.2012
(54) AIR CONDITIONING APPARATUS
(73) Mitsubishi Electric Corporation
(72) ARIYAMA, Tadashi
MORIMOTO, Osamu
KOGE, Hirofumi
TANAKA, Kosuke

(51) F25B 1/00
F25B 13/00
F25B 49/02
F25B 43/02
F24F 11/89
(11) EP3252395
(21) EP15879835.5
(47) 07.08.2019
(87) JP2015006306
04.08.2016
(22) 17.12.2015
(54) AIR CONDITIONING DEVICE
(73) Daikin Industries, Ltd.
(72) OHURA, Ryuuta
OKA, Yuusuke
MINAMI, Junya
(31) 2015017127
(32) 30.01.2015
(33) Japan

(51) F25B 1/10
F25B 5/02
F25B 40/00
F25B 9/00
(11) EP3225936
(21) EP17163149.2
(47) 07.08.2019
(22) 27.03.2017
(54) COOLING SYSTEM WITH INTEGRATED SUBCOOLING
(73) Heatcraft Refrigeration Products LLC
(72) MUKHERJEE, Arijit
USTURGE, Om
(31) 201615083506
(32) 29.03.2016
(33) United States of America

(51) F25B 9/00
F25B 43/00
F25B 40/00
(11) EP2525168
(21) EP12167898.1
(47) 07.08.2019
(22) 14.05.2012
(54) Supercritical steam compression heat pump and hot-water supply unit
(73) MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.
(72) Hokamura, Taku
Okada, Takuya
Watanabe, Ken
Yoshida, Shigeru
Omura, Minemasa
(31) 2011111747
(32) 18.05.2011
(33) Japan

(51) F25B 21/00
(11) EP3163223
(21) EP15811681.4
(47) 07.08.2019
(87) JP2015068223

30.12.2015
(22) 24.06.2015
(54) MAGNETIC REFRIGERATING DEVICE
(73) National Institute for Materials Science
(72) NUMAZAWA Takenori
(31) 2014131905
(32) 26.06.2014
(33) Japan

(51) F25B 21/00
(11) EP3465027
(21) EP17728185.4
(47) 07.08.2019
(87) EP2017063642
14.12.2017
(22) 06.06.2017
(54) COOLING DEVICE AND A METHOD FOR COOLING
(73) Technische Universität Darmstadt
(72) GOTTSCHALL, Tino
SKOKOV, Konstantin P.
GUTFLEISCH, Oliver
(31) 102016110385
(32) 06.06.2016
(33) Germany

(51) F25B 21/02
(11) EP3009769
(21) EP15189855.8
(47) 07.08.2019
(22) 14.10.2015
(54) HEAT CONVERSION DEVICE
(73) LG Innotek Co., Ltd.
(72) WON, Boone
SHIN, Jong Bae
LEE, Jong Min
CHO, Yong Sang
(31) 20140139090
(32) 15.10.2014
(33) Korea (Republic)

(51) F25B 25/02
F25B 17/08
F25B 40/02
(11) EP2999931
(21) EP14724968.4
(47) 07.08.2019
(87) US2014034481
27.11.2014
(22) 17.04.2014
(54) THERMOCHEMICAL BOOSTED REFRIGERATION SYSTEM
(73) Carrier Corporation
(72) Rivière, Cédric Hervé
Stumpf, André Georges
(31) 201361826534 P
(32) 23.05.2013
(33) United States of America

(51) F25B 43/00
(11) EP3376137
(21) EP17203724.4
(47) 07.08.2019
(22) 27.11.2017
(54) ACCUMULATOR
(73) LG Electronics Inc.
(72) Ku, Sejin
Park, Hyungjin
Byun, Sangmyung
Jin, Gyeongsu
(31) 20170033627
20170078522
(32) 17.03.2017
21.06.2017
(33) Korea (Republic)
Korea (Republic)

(51) F25B 43/00
F25B 31/00
B01D 19/00
(11) EP3112780
(21) EP14883889.9
(47) 07.08.2019
(87) JP2014055164
03.09.2015
(22) 28.02.2014
(54) ACCUMULATOR, AND REFRIGERATION DEVICE WITH SAID ACCUMULATOR
(73) Mitsubishi Electric Corporation
(72) ABASTARI
UE, Satoru
ISHIKAWA, Tomotaka
HATA, Kenichi

(51) F25B 43/04
F25B 47/02
F25B 31/00
F25B 13/00
(11) EP2623899
(21) EP12199615.1
(47) 07.08.2019
(22) 28.12.2012
(54) Air conditioning apparatus
(73) Fujitsu General Limited
(72) Kawai, Keito
Tamura, Hideya
Matsunaga, Takahiro
Watanabe, Shinju
Kimura, Takashi
Toya, Kotaro
Oka, Yasuhiro
Nakashima, Ken
(31) 2012017757
(32) 31.01.2012
(33) Japan

(51) F25B 45/00
F24F 11/89
F25B 49/02
F24F 11/36
(11) EP3358277
(21) EP16851548.4
(47) 07.08.2019
(87) JP2016078489
06.04.2017
(22) 27.09.2016
(54) REFRIGERANT LEAKAGE SPOT SPECIFYING METHOD
(73) Daikin Industries, Ltd.
(72) MATSUI, Kazuyasu
KONDOU, Azuma
IKEMIYA, Makoto
TAKEGAMI, Masaaki
TANAKA, Naohiro
(31) 2015195327
(32) 30.09.2015
(33) Japan

(51) F25B 49/00
F25B 13/00
(11) EP3252401
(21) EP16743227.7
(47) 07.08.2019
(87) JP2016051743
04.08.2016
(22) 21.01.2016
(54) AIR-CONDITIONING DEVICE
(73) Daikin Industries, Ltd.
(72) SUHARA, Ryouta
NOUCHI, Yoshiteru
(31) 2015016005
(32) 29.01.2015
(33) Japan

(51) F25B 49/02
(11) EP3400410
(21) EP17807879.6
(47) 07.08.2019
(87) EP2017081204
07.06.2018
(22) 01.12.2017
(54) METHOD FOR OPERATING A ROTATIONAL-SPEED-VARIABLE REFRIGERANT COMPRESSOR
(73) Nidec Global Appliance Germany GmbH
(72) GRIES, Ulrich
GLÄSER, Jürgen Ewald
SLOT, Allan Haue
FOGH, Hans-Erik
(31) 5025416 U
(32) 01.12.2016
(33) Austria

(51) F25B 49/02
F25B 13/00
F25B 49/00
(11) EP1970654
(21) EP06834475.3
(47) 07.08.2019
(87) JP2006324720
21.06.2007
(22) 12.12.2006
(54) AIR CONDITIONER
(73) DAIKIN INDUSTRIES, LTD.
(72) NISHIMURA, Tadafumi
KASAHARA, Shinichi
(31) 2005363738
(32) 16.12.2005
(33) Japan

(51) F25C 1/08
F25C 1/22
F25C 5/02
F25B 21/04
F25C 1/20
F25C 5/08
F25D 25/04
(11) EP2585773
(21) EP11798382.5
(47) 07.08.2019
(87) KR2011004566
29.12.2011
(22) 22.06.2011
(54) ICE MAKING METHOD
(73) Woongjin Coway Co., Ltd.
(72) JOUNG, Jin-Kyu
KIM, You-Shin
DAN, Chul-Sun
(31) 20110058108
20100059894
(32) 15.06.2011
24.06.2010
(33) Korea (Republic)
Korea (Republic)

(51) F25C 1/24
F25C 5/00
F25C 5/18
F25D 17/06
F25D 23/04
F25D 17/08
(11) EP3372924
(21) EP18164955.9
(47) 07.08.2019
(22) 23.03.2007
(54) ICE-MAKING DEVICE FOR REFRIGERATOR
(73) LG Electronics Inc.
(72) KIM, Myung-Soo
PARK, Yoo-Min
KWON, Oh-Chul
KIM, Jong-Gon
KOO, Bon-Young
GWAK, Young-Hoon
CHO, Hyeon-Po
(31) 20060026660
20060026661
20060026663
20060026664
(32) 23.03.2006
23.03.2006
23.03.2006
23.03.2006
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) F25D 13/04
F25D 17/06
F25D 25/04
G01N 1/42
F25D 11/04
F25D 23/02
(11) EP2232175
(21) EP08871364.9
(47) 07.08.2019
(87) US2008086015
30.07.2009
(22) 09.12.2008
(54) AUTOMATED STORAGE AND RETRIEVAL SYSTEM FOR STORING BIOLOGICAL OR CHEMICAL SAMPLES AT ULTRA-LOW TEMPERATURES
(73) Hamilton Storage Technologies, Inc.
(72) CLOUTIER, Robert, P.
WARHURST, Julian
ZANDI, Behrouz
O'TOOLE, James
SOLBERG, Halvard
(31) 20246
(32) 25.01.2008
(33) United States of America

(51) F25D 17/04
(11) EP2672208
(21) EP13002446.6
(47) 07.08.2019
(22) 08.05.2013
(54) Refrigeration apparatus with vacuum container
(73) V-Zug AG
(72) Werner, Jürg
(31) 802122012
(32) 08.06.2012
(33) Switzerland

(51) F25D 17/06
(11) EP2861922
(21) EP13730830.0
(47) 07.08.2019
(87) EP2013061770
19.12.2013
(22) 07.06.2013
(54) REFRIGERATION APPLIANCE
(73) BSH Hausgeräte GmbH
(72) KLINGSHIRN, Astrid
RING, Immanuel
SPIELMANNLEITNER, Markus
(31) 102012209938
(32) 13.06.2012
(33) Germany

(51) F25D 23/02
(11) EP2386813
(21) EP11165261.6
(47) 07.08.2019
(22) 09.05.2011
(54) Door for a refrigerator
(73) Candy S.p.A.
(72) Fumagalli, Silvano
(31) MI20100150 U
(32) 13.05.2010
(33) Italy

(51) F25D 23/02
(11) EP2972021
(21) EP14715766.3
(47) 07.08.2019
(87) US2014023187
02.10.2014
(22) 11.03.2014
(54) SNAP OFF CENTER FLIPPER MULLION
(73) Electrolux Home Products, Inc.
(72) WILSON, Joshua
KELLY, Paul, Hayward
KING, Wesley
(31) 201313827954
(32) 14.03.2013
(33) United States of America

(51) F25D 23/06
F25D 23/00
F25D 23/08
(11) EP2588820
(21) EP11801154.3
(47) 07.08.2019
(87) KR2011004803
05.01.2012
(22) 30.06.2011
(54) REFRIGERATOR
(73) LG Electronics Inc.
(72) KIM, Hyoungsoek
YOON, Jongsoo
(31) 20100062600
20100062599
(32) 30.06.2010
30.06.2010
(33) Korea (Republic)
Korea (Republic)

(51) F25D 23/06
F25D 27/00
(11) EP3161397
(21) EP15726166.0
(47) 07.08.2019
(87) EP2015062339
30.12.2015
(22) 03.06.2015
(54) HOUSEHOLD REFRIGERATOR WITH AN INTERIOR LIGHTING
(73) BSH Hausgeräte GmbH
(72) KEMPFLE, Stephan
WIEDENMANN, Matthias
(31) 102014212438
(32) 27.06.2014
(33) Germany

(51) F25D 25/00
(11) EP2458309
(21) EP11009209.5
(47) 07.08.2019
(22) 21.11.2011
(54) Storage cartridge for laboratory objects
(73) LICONIC AG
(72) Malin, Cosmas
(31) 19682010
(32) 24.11.2010
(33) Switzerland

(51) F25D 25/02
(11) EP2478310
(21) EP10757348.7
(47) 07.08.2019
(87) US2010048711
24.03.2011
(22) 14.09.2010
(54) SPILL CONTAINING REFRIGERATOR SHELF ASSEMBLY
(73) SSW Holding Company, LLC
(72) DRIVER, John, Patrick
MCMILLIN, Matthew
NALL, Bradley, M.
(31) 562920
(32) 18.09.2009
(33) United States of America

(51) F25D 25/02
(11) EP3153804
(21) EP16184912.0
(47) 07.08.2019
(22) 19.08.2016
(54) A REFRIGERATOR COMPRISING A SELF-CLOSING DRAWER
(73) Arçelik Anonim Sirketi
(72) CELIKER, Sedat
AYAN, Tuna
EROL, Semih
MAKINACI, Kemal Mert
AKTUNA, Deniz
(31) 201512509
(32) 08.10.2015
(33) Turkey

(51) F25D 25/02
F25D 23/02
(11) EP2618084
(21) EP13150439.1
(47) 07.08.2019
(22) 08.01.2013
(54) Storage device with a flap fastening device and domestic cooler appliance with such a storage device
(73) BSH Hausgeräte GmbH
(72) Fink, Jürgen
Fronmüller, Andrea
Martinez de Falcon Perez, Miguel
(31) 102012200847
(32) 20.01.2012

(33) Germany

(51) F25D 25/02
F25D 23/04
F25D 23/02
(11) EP2677258
(21) EP13173000.4
(47) 07.08.2019
(22) 20.06.2013
(54) Refrigerator
(73) LG Electronics Inc.
(72) Choo, Ayoung
Lee, Jaeyoul
Kim, Taegyeong
(31) 20120066866
(32) 21.06.2012
(33) Korea (Republic)

(51) F25D 29/00
(11) EP3325902
(21) EP16735599.9
(47) 07.08.2019
(87) EP2016064489
26.01.2017
(22) 23.06.2016
(54) OPERATING A CAMERA OF A HOUSEHOLD APPLIANCE
(73) BSH Hausgeräte GmbH
(72) WERNER, Hans Peter
WETZL, Gerhard
(31) 102015213780
(32) 22.07.2015
(33) Germany

(51) F26B 15/12
(11) EP3295104
(21) EP16722635.6
(47) 07.08.2019
(87) EP2016060324
17.11.2016
(22) 09.05.2016
(54) TRANSFER DEVICE AND CONVEYOR DEVICE FOR TRANSPORTING RODS FOR LONG PASTA, METHOD FOR OPERATING A TRANSFER DEVICE OR A CONVEYOR, AND PASTA DRYER
(73) Bühler AG
(72) PTAK, Lukas
(31) 15167694
(32) 13.05.2015
(33) European Patent Office (EPO)

(51) F26B 17/10
F26B 21/00
(11) EP2908077
(21) EP13845246.1
(47) 07.08.2019
(87) JP2013076863
17.04.2014
(22) 02.10.2013
(54) AIR FLOW DRYING DEVICE
(73) HOSOKAWA MICRON CORPORATION
(72) CHIBA Tomoyuki
SASAI Ryosuke
(31) 2012225302
(32) 10.10.2012
(33) Japan

(51) F26B 23/00
F26B 3/02
F26B 21/00
F26B 23/02
F26B 15/12
(11) EP2775241
(21) EP14155098.8
(47) 07.08.2019
(22) 13.02.2014
(54) Device for drying a workpiece and method for operating such a device
(73) Volkswagen Aktiengesellschaft
(72) Glaser, Ehrenfried
Szabo, Gabor
(31) 102013004136
(32) 09.03.2013
(33) Germany

(51) F27B 1/26
F27B 3/28
F27B 7/42
C21B 13/00
C21B 13/02
C21B 13/08
C22B 7/00
C22B 21/00
F23N 5/10
F27D 19/00
F27D 21/00
F23N 5/02
F23N 1/02
(11) EP2329210
(21) EP09809296.8
(47) 07.08.2019
(87) EP2009006249
04.03.2010
(22) 28.08.2009
(54) METHOD FOR OPERATING AN OVEN
(73) L'AIR LIQUIDE, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) RHEKER, Frank
(31) 08163347
(32) 29.08.2008
(33) European Patent Office (EPO)

(51) F27B 3/08
F27B 3/20
F27B 3/28
F27D 27/00
H05B 7/18
H05B 7/20
C21C 5/52
(11) EP3017258
(21) EP14734778.5
(47) 07.08.2019
(87) EP2014063283
08.01.2015
(22) 24.06.2014
(54) METHOD FOR OPERATING AN ARC FURNACE AND ARC FURNACE
(73) Primetals Technologies Austria GmbH
(72) ENGELS, Ralf
DORNDORF, Markus
KRÜGER, Klaus
HEIN, Michel
NARDACCHIONE, Domenico
(31) 13175076
(32) 04.07.2013
(33) European Patent Office (EPO)

(51) F27B 3/28
F27B 7/10
F27B 7/42
F27D 19/00
F27D 21/00
F27D 21/02
F27D 99/00
(11) EP2664884
(21) EP12003932.6
(47) 07.08.2019
(22) 18.05.2012
(54) Method and apparatus for heating metals
(73) Air Products and Chemicals, Inc.
(72) Hegenberg, Thomas Jürgen
Kuehne, Linda
Langemeyer, Gregor
Schemberg, Siegfried

(51) F28B 11/00
F28F 25/12
F24F 13/14
(11) EP3413000
(21) EP18185328.4
(47) 07.08.2019
(22) 11.06.2010
(54) SHIELD SYSTEM
(73) Galebreaker Group Ltd.
(72) COLLINS, Richard
GARDNER, Andrew
MELHUISH, Simon
(31) 0910724
(32) 22.06.2009
(33) United Kingdom

(51) F28D 1/053
F28F 9/02
(11) EP3332204
(21) EP16744709.3
(47) 07.08.2019
(87) EP2016067573
09.02.2017
(22) 22.07.2016
(54) HEAT EXCHANGER AND VEHICLE AIR-CONDITIONING SYSTEM
(73) Valeo Klimasysteme GmbH
(72) PADUCH, Rainer
HAUSSMANN, Roland
(31) 102015112833
(32) 05.08.2015
(33) Germany

(51) F28D 1/053
F28F 9/16
F28F 9/18
F28D 21/00
F28F 9/02
F28F 21/08
(11) EP3063488
(21) EP14809522.7
(47) 07.08.2019
(87) IB2014065724
07.05.2015
(22) 30.10.2014
(54) TUBE RADIATOR FOR HEATING AND METHOD FOR PRODUCING A TUBE RADIATOR FOR HEATING
(73) FONDITAL S.p.A.
(72) FUSI, Fabio
(31) MI20131806
(32) 30.10.2013
(33) Italy

(51) F28D 7/02
F28D 7/16
F02M 26/28
F01N 5/02

F02M 26/32
(11) EP3037767
(21) EP15199380.5
(47) 07.08.2019
(22) 10.12.2015
(54) HEAT EXCHANGER
(73) MAHLE International GmbH
(72) Siegel, Albrecht
Hund, Simon
(31) 102014226883
(32) 22.12.2014
(33) Germany

(51) F28D 7/16
F28F 1/02
F28F 1/12
F24H 1/34
F24H 1/40
F24H 8/00
(11) EP2724106
(21) EP12737914.7
(47) 07.08.2019
(87) PL2012000045
27.12.2012
(22) 18.06.2012
(54) HEAT EXCHANGER TUBE SET
(73) AIC Spólka Akcyjna
(72) KUZMA, Mariusz
(31) 39542411
(32) 24.06.2011
(33) Poland

(51) F28D 7/16
F28F 9/00
F28F 9/02
F28F 9/16
F24H 1/28
F24H 9/18
(11) EP3329201
(21) EP16756816.1
(47) 07.08.2019
(87) PL2016000071
12.01.2017
(22) 30.06.2016
(54) TUBE HEAT EXCHANGER CASING
(73) AIC Spólka Akcyjna
(72) SZCZEPANSKI, Krzysztof
BERNACIAK, Maciej
(31) 41302415
(32) 05.07.2015
(33) Poland

(51) F28D 15/04
H05K 7/20
H01L 23/34
F28D 15/02
G06F 1/20
H01L 23/427
(11) EP3168562
(21) EP14894606.4
(47) 07.08.2019
(87) CN2014079725
17.12.2015
(22) 12.06.2014
(54) INTELLIGENT TERMINAL HEAT DISSIPATION DEVICE AND INTELLIGENT TERMINAL
(73) Huawei Technologies Co. Ltd.
(72) JIN, Linfang
KANG, Nanbo
ZOU, Jie
HUI, Xiaowei

(51) F28D 20/00
F24F 13/10
F15B 15/28
F25B 49/02
F25D 17/04
(11) EP2467664
(21) EP10810444.9
(47) 07.08.2019
(87) US2010045617
24.02.2011
(22) 16.08.2010
(54) DAMPER APPARATUS FOR TRANSPORT REFRIGERATION SYSTEM, TRANSPORT REFRIGERATION UNIT, AND METHODS FOR SAME
(73) Carrier Corporation
(72) REIMANN, Robert, C.
CAMPBELL, Timothy, R.
CZECHOWICZ, Belin, G.
MCDONALD, Patrick
REASON, John, R.
(31) 234858 P
247791 P
(32) 18.08.2009
01.10.2009
(33) United States of America
United States of America

(51) F28F 1/40
F28F 3/02
F28F 13/12
(11) EP3048407
(21) EP15202230.7
(47) 07.08.2019
(22) 23.06.2006
(54) HEAT EXCHANGER
(73) MAHLE Behr GmbH & Co. KG
(72) Geskes, Peter
Maucher, Ulrich
Schmidt, Michael
(31) 102005029321
(32) 24.06.2005
(33) Germany

(51) F28F 9/02
F01D 9/06
F02K 3/115
F28D 9/00
(11) EP3172517
(21) EP15729169.1
(47) 07.08.2019
(87) EP2015063401
28.01.2016
(22) 16.06.2015
(54) PLATE HEAT EXCHANGER COMPRISING STRUCTURAL REINFORCEMENTS FOR A TURBINE ENGINE
(73) Airbus Helicopters
(72) HONNORAT, Olivier
DUBOURG, Christophe
(31) 1401715
(32) 25.07.2014
(33) France

(51) F28F 9/02
F28D 9/00
F16L 13/02
F16L 23/00
(11) EP2593743
(21) EP11738615.1
(47) 07.08.2019
(87) EP2011003411
19.01.2012
(22) 08.07.2011
(54) DEVICE FOR CONNECTION BETWEEN A COMPONENT OF AN AIR-CONDITIONING LOOP AND A HEAT EXCHANGER
(73) Valeo Systemes Thermiques
(72) LEMEE, Jimmy
DENOUAL, Christophe
POURMARIN, Alain
(31) 1002979
(32) 15.07.2010
(33) France

(51) F28F 13/12
C10G 9/20
F28F 1/40
F28F 19/00
F28D 21/00
(11) EP2133644
(21) EP08715068.6
(47) 07.08.2019
(87) CN2008000626
02.10.2008
(22) 28.03.2008
(54) A TUBE TYPE CRACKING FURNACE
(73) Beijing Research Institute of Chemical Industry, China Petroleum &Chemical Corporation
China Petroleum & Chemical Corporation
(72) WANG, Guoqing
ZHANG, Lijun
DU, Zhiguo
CHEN, Shuo
ZHANG, Zhaobin
ZHOU, Cong
ZHOU, Xianfeng
(31) 200710064886
(32) 28.03.2007
(33) China

(51) F41A 9/13
F41A 9/22
(11) EP2884216
(21) EP14195228.3
(47) 07.08.2019
(22) 27.11.2014
(54) Device for supplying shells
(73) NEXTER Systems
(72) Laroudie, Geoffrey
Mateu, Manuel
(31) 1302997
(32) 16.12.2013
(33) France

(51) F41A 9/30
F41A 9/55
F41A 9/79
F41A 9/86
(11) EP3374720
(21) EP16790540.5
(47) 07.08.2019
(87) EP2016075512
18.05.2017
(22) 24.10.2016

(54) DEVICE FOR FEEDING MEDIUM-CALIBRE AMMUNITION WITH A ROTATING PLATE
(73) CMI Defence S.A.
(72) COLOMINE, Anthony
GRITSKEVITCH, Innokenty
FARINELLA, Domenico
(31) 201562253236 P
201505827
(32) 10.11.2015
17.12.2015
(33) United States of America
Belgium

(51) F41A 9/87
B63G 8/32
F42B 39/28
F41F 3/10
B65G 25/08
F41A 9/43
F41A 9/83
(11) EP3169966
(21) EP15732271.0
(47) 07.08.2019
(87) EP2015064826
21.01.2016
(22) 30.06.2015
(54) WEAPON TRANSPORT SYSTEM FOR A SUBMARINE
(73) ThyssenKrupp Marine Systems GmbH
(72) MUNDT, Marco
(31) 102014213795
(32) 16.07.2014
(33) Germany

(51) F41G 7/00
F41G 7/22
(11) EP2846123
(21) EP13004352.4
(47) 07.08.2019
(22) 05.09.2013
(54) Seeker head with multi-mode properties
(73) MBDA Deutschland GmbH
(72) Kröner, Christoph

(51) F41H 5/04
F41H 5/013
F41H 5/24
(11) EP2972061
(21) EP14777207.3
(47) 07.08.2019
(87) US2014027906
11.12.2014
(22) 14.03.2014
(54) BALLISTIC SHIELD
(73) Whitaker, Scott R.
(72) Whitaker, Scott R.
(31) 201361788459 P
(32) 15.03.2013
(33) United States of America

(51) F41H 5/04
F42D 5/045
(11) EP2395314
(21) EP11169306.5
(47) 07.08.2019
(22) 09.06.2011
(54) Blast and/or ballistic resistant member
(73) Lifeport, Inc.
(72) Darley, Jason
Norris, Paul
Halquist, Craig
Starnes, Dwayne
Alexander, Shawn
Locke, Ralph J.
Primeaux, Dudley J.
(31) 797447
(32) 09.06.2010
(33) United States of America

(51) F41H 5/26
G02B 1/14
G02B 23/08
(11) EP3252424
(21) EP17000427.9
(47) 07.08.2019
(22) 15.03.2017
(54) PERISCOPE FOR AN ARMOURED VEHICLE
(73) GuS Periscopes GmbH & Co. KG
(72) Krätzig, Olaf
Fribus, Wladislaw
(31) 202016102941 U
(32) 02.06.2016
(33) Germany

(51) F42B 1/02
F42B 12/22
(11) EP3344946
(21) EP16788150.7
(47) 07.08.2019
(87) FR2016052143
09.03.2017
(22) 30.08.2016
(54) WARHEAD AND MODULAR DEFENSE SYSTEM IMPLEMENTING SUCH A WARHEAD
(73) Nexter Munitions
(72) LE CONTE, Guillaume
PADIOLLEAU, Bertrand
BOULANGER, Rémi
(31) 1501805
(32) 31.08.2015
(33) France

(51) F42B 8/02
F42B 10/48
(11) EP3117177
(21) EP15800253.5
(47) 07.08.2019
(87) US2015019570
03.12.2015
(22) 10.03.2015
(54) AMMUNITION CARTRIDGE WITH INDUCED INSTABILITY AT A PRE-SET RANGE
(73) Nostromo Holdings, LLC
(72) SULLIVAN, Kevin Michael
MARTINEZ, Marcelo Eduardo
BRUNO, Nicolas Horacio
KELLY, Roy
(31) 201461950270 P
(32) 10.03.2014
(33) United States of America

(51) F42B 12/20
F42B 12/32
(11) EP3186583
(21) EP15781470.8
(47) 07.08.2019
(87) US2015023873
11.02.2016
(22) 01.04.2015
(54) FRAGMENTATION MUNITION WITH LIMITED EXPLOSIVE FORCE
(73) Raytheon Company
(72) KERNS, Keith A.
SPILOTRO, John J.
CUNDIFF, Brandon J.
BOOTES, Thomas H.
SHIRE, Jason M.
(31) 201414453991
(32) 07.08.2014
(33) United States of America

(51) F42C 14/02
F42C 15/00
F42B 27/00
(11) EP3336482
(21) EP16405034.6
(47) 07.08.2019
(22) 15.12.2016
(54) METHOD AND DEVICE FOR ENABLING AND DISABLING THE SAFETY OF A MANUALLY LAUNCHED PROJECTILE
(73) RUAG Ammotec AG
(72) Muster, Michael
Grünig, Markus
Spatz, Peter

(51) G01B 7/00
G01B 7/04
G01F 23/00
G01F 23/26
G01N 35/10
(11) EP1817541
(21) EP05818117.3
(47) 07.08.2019
(87) US2005040660
18.05.2006
(22) 08.11.2005
(54) METHODS AND SYSTEMS FOR DETERMINING A POSITION OF A PROBE
(73) PerkinElmer LAS, Inc.
(72) HARAZIN, Richard, R.
ZWEIFEL, Ronald, A.
(31) 522808 P
(32) 09.11.2004
(33) United States of America

(51) G01B 9/02
(11) EP1883781
(21) EP06760145.0
(47) 07.08.2019
(87) US2006019350
23.11.2006
(22) 18.05.2006
(54) ANALYZING LOW-COHERENCE INTERFEROMETRY SIGNALS FOR THIN FILM STRUCTURES
(73) ZYGO CORPORATION
(72) DE GROOT, Peter
(31) 682742 P
(32) 19.05.2005
(33) United States of America

(51) G01B 11/25
(11) EP2840353
(21) EP14173233.9
(47) 07.08.2019
(22) 20.06.2014
(54) Scanning apparatus with patterned probe light
(73) 3Shape A/S
(72) Rosberg, Christian Romer

Esbech, Bo
(31) 201370344
(32) 21.06.2013
(33) Denmark

(51) G01B 11/25
(11) EP3036503
(21) EP14757865.2
(47) 07.08.2019
(87) EP2014067466
26.02.2015
(22) 15.08.2014
(54) OPTICAL DETECTOR
(73) BASF SE
(72) SEND, Robert
BRUDER, Ingmar
IRLE, Stephan
THIEL, Erwin
WONNEBERGER, Henrike
(31) 201361867180 P
201361906430 P
201361914402 P
102014006279
14171759
(32) 19.08.2013
20.11.2013
11.12.2013
06.03.2014
10.06.2014
(33) United States of America
United States of America
United States of America
Germany
European Patent Office (EPO)

(51) G01B 11/25
G06T 3/00
(11) EP2889575
(21) EP15151217.5
(47) 07.08.2019
(22) 09.06.2011
(54) Three-dimensional measurement apparatus, three-dimensional measurement method, and storage medium
(73) Canon Kabushiki Kaisha
(72) Takabayashi, Shiki
Sonoda, Tetsuri
(31) 2010148026
(32) 29.06.2010
(33) Japan

(51) G01B 11/275
G01V 8/20
(11) EP2553384
(21) EP11704786.0
(47) 07.08.2019
(87) EP2011052595
06.10.2011
(22) 22.02.2011
(54) METHOD FOR CONTROLLING A MEASURING SYSTEM AND MEASURING SYSTEM FOR CARRYING OUT THE METHOD
(73) Beissbarth GmbH
(72) SEIFERT, Wolfgang
(31) 102010003389
(32) 29.03.2010
(33) Germany

(51) G01B 21/04
B23Q 3/10
G01B 5/00
G01B 5/008
G01B 5/012
G01B 7/008
G01B 11/00
(11) EP3314203
(21) EP16731897.1
(47) 07.08.2019
(87) EP2016064585
29.12.2016
(22) 23.06.2016
(54) ADAPTER ELEMENT FOR ASSEMBLING A ROTATIONAL APPARATUS IN THE MEASUREMENT SPACE OF A COORDINATE MEASURING MACHINE
(73) Carl Zeiss Industrielle Messtechnik GmbH
(72) SAGEMÜLLER, Rainer
(31) 102015211951
(32) 26.06.2015
(33) Germany

(51) G01B 21/04
G01B 11/06
(11) EP3315904
(21) EP17198960.1
(47) 07.08.2019
(22) 27.10.2017
(54) THICKNESS DETECTION EXPERIMENT PLATFORM
(73) TE Connectivity Corporation
Tyco Electronics (Shanghai) Co. Ltd.
Shenzhen AMI Technology Co. Ltd
(72) ZHOU, Lei
ZHANG, Dandan
LU, Roberto Francisco-Yi
ZENG, Qinglong
(31) 201610940078
(32) 31.10.2016
(33) China

(51) G01B 21/04
G01Q 60/36
G01N 3/02
G01P 21/00
G01N 3/42
(11) EP2746721
(21) EP13193954.8
(47) 07.08.2019
(22) 10.02.2012
(54) Nanomechanical testing system
(73) Hysitron, Inc.
(72) Vodnick, David J.
Dwivedi, Arpit
Keranen, Lucas Paul
Okerlund, Michael David
Schmitz, Roger
Warren, Oden Lee
Young, Christopher David
(31) 201161441511 P
201161551394 P
(32) 10.02.2011
25.10.2011
(33) United States of America
United States of America

(51) G01C 7/04
E01C 19/00
(11) EP2390623
(21) EP11167195.4
(47) 07.08.2019
(22) 24.05.2011
(54) Method and apparatus for forming bearing course of traffic route
(73) Roadscanners Holding Oy
(72) Saarenketo, Timo
(31) 20105598
(32) 27.05.2010
(33) Finland

(51) G01C 19/00
G01P 15/00
G01L 1/00
(11) EP2674721
(21) EP13171193.9
(47) 07.08.2019
(22) 10.06.2013
(54) Strain amplification structure and synthetic jet actuator
(73) The Boeing Company
(72) Griffin, Steven F.
Haar, Shawn
(31) 201213524878
(32) 15.06.2012
(33) United States of America

(51) G01C 19/38
G01C 19/42
G01C 21/16
(11) EP2583059
(21) EP11795293.7
(47) 07.08.2019
(87) IL2011000466
22.12.2011
(22) 13.06.2011
(54) IMPROVED NORTH FINDER
(73) Rafael Advanced Defense Systems Ltd
(72) KADOSH, Igal
KATZMAN, Nadav
NARODITSKY, Michael
ELYA, Ofir
(31) 20645910
(32) 17.06.2010
(33) Israel

(51) G01C 21/16
G01C 25/00
F41G 7/36
F42B 15/01
G05D 1/10
(11) EP3213034
(21) EP15790207.3
(47) 07.08.2019
(87) GB2015053216
06.05.2016
(22) 27.10.2015
(54) INERTIAL NAVIGATION SYSTEM WITH COMPENSATION OF ROLL SCALE FACTOR ERROR
(73) Atlantic Inertial Systems Limited
(72) SHEARD, John Keith
FAULKNER, Nicholas Mark
(31) 201419095
(32) 27.10.2014
(33) United Kingdom

(51) G01C 21/20
B25J 9/02
B25J 9/16
G01S 19/43
G01S 19/47
G01S 19/51
G08G 5/00
(11) EP3232157

(21) EP17166184.6
(47) 07.08.2019
(22) 12.04.2017
(54) AIRCRAFT NAVIGATION USING AN EXPONENTIAL MAP
(73) GE Aviation Systems LLC
(72) CABELLO, Juan Jose
(31) 201615097330
(32) 13.04.2016
(33) United States of America

(51) G01C 21/20
H04B 10/116
(11) EP3405747
(21) EP17700437.1
(47) 07.08.2019
(87) EP2017050771
27.07.2017
(22) 16.01.2017
(54) POSITIONING BASED ON ILLUMINATION SOURCES
(73) Signify Holding B.V.
(72) YANG, Hongming
HOEKSTRA, Peter
VOS, Benjamin, Johannes
(31) 16151903
(32) 19.01.2016
(33) European Patent Office (EPO)

(51) G01C 21/28
G08G 1/0969
G01C 21/30
(11) EP3315911
(21) EP15896385.0
(47) 07.08.2019
(87) JP2015068525
29.12.2016
(22) 26.06.2015
(54) VEHICLE POSITION DETERMINATION DEVICE AND VEHICLE POSITION DETERMINATION METHOD
(73) Nissan Motor Co., Ltd.
(72) OKUYAMA, Takeshi

(51) G01C 21/36
(11) EP1462766
(21) EP03027273.6
(47) 07.08.2019
(22) 28.11.2003
(54) Map display device and program therefor
(73) AISIN AW CO., LTD.
(72) Chiba, Wataru
(31) 2002349216
(32) 29.11.2002
(33) Japan

(51) G01C 21/36
(11) EP3036619
(21) EP14838709.5
(47) 07.08.2019
(87) KR2014007659
26.02.2015
(22) 19.08.2014
(54) USER TERMINAL DEVICE FOR DISPLAYING MAP AND METHOD THEREOF
(73) Samsung Electronics Co., Ltd.
(72) JUNG, Jong-woo
MYUNG, In-sik
RHEE, Taik-heon
CHO, Dong-bin
(31) 20130097822
(32) 19.08.2013
(33) Korea (Republic)

(51) G01C 21/36
(11) EP3137851
(21) EP15739092.3
(47) 07.08.2019
(87) US2015037716
30.12.2015
(22) 25.06.2015
(54) GENERATING TURN-BY-TURN DIRECTION PREVIEWS
(73) Google LLC
(72) SHERIDAN, Alan
FILIP, Daniel, Joseph
PACK, Jeremy, Bryant
(31) 201414317706
201514640524
(32) 27.06.2014
06.03.2015
(33) United States of America
United States of America

(51) G01C 21/36
(11) EP3343178
(21) EP16206959.5
(47) 07.08.2019
(22) 27.12.2016
(54) DRIVER ASSISTANCE SYSTEM, COMPUTER PROGRAM PRODUCT, SIGNAL SEQUENCE, VEHICLE AND METHOD FOR PROVIDING INFORMATION TO A USER OF A VEHICLE
(73) Volkswagen AG
(72) Kassner, Astrid
Cullmann, Jacqueline
Kötter, Nils

(51) G01C 25/00
G01C 19/5712
(11) EP3240996
(21) EP15823807.1
(47) 07.08.2019
(87) IB2015059910
07.07.2016
(22) 23.12.2015
(54) MICROMECHANICAL GYROSCOPE STRUCTURE
(73) Murata Manufacturing Co., Ltd.
(72) RINKIÖ, Marcus
(31) 20146153
(32) 29.12.2014
(33) Finland

(51) G01D 5/244
(11) EP3198235
(21) EP15771070.8
(47) 07.08.2019
(87) EP2015071704
31.03.2016
(22) 22.09.2015
(54) SIGNAL PROCESSING DEVICE FOR PROCESSING A MEASUREMENT SIGNAL IN A MOTOR VEHICLE
(73) Continental Teves AG & Co. OHG
(72) BRÜGGEMANN, Stephan
ECKRICH, Jörg
STÄHLIN, Ulrich
(31) 102014219004
(32) 22.09.2014
(33) Germany

(51) G01D 5/245
F16C 41/00
(11) EP2372313
(21) EP09834415.3
(47) 07.08.2019
(87) JP2009007100
01.07.2010
(22) 22.12.2009
(54) ROTATION DETECTING DEVICE AND BEARING HAVING ROTATION DETECTING DEVICE
(73) NTN Corporation
NTN-SNR Roulements
(72) TAKAHASHI, Toru
DESBIOLLES, Pascal
(31) 2008327467
2009271042
(32) 24.12.2008
30.11.2009
(33) Japan
Japan

(51) G01D 5/26
G01D 21/00
(11) EP3311116
(21) EP16733020.8
(47) 07.08.2019
(87) EP2016064095
22.12.2016
(22) 17.06.2016
(54) TRANSMISSION OF INFORMATION AND ENERGY BETWEEN A MOBILE SENSOR AND A STATIONARY ELEMENT
(73) BIA
(72) NAMOUN, Fayçal
(31) 1555537
(32) 17.06.2015
(33) France

(51) G01D 5/38
G03F 7/20
(11) EP3224577
(21) EP15784669.2
(47) 07.08.2019
(87) EP2015074515
02.06.2016
(22) 22.10.2015
(54) ENCODER, POSITION MEASUREMENT SYSTEM AND LITHOGRAPHIC APPARATUS
(73) ASML Netherlands B.V.
(72) PRIL, Wouter, Onno
BAARTMAN, Jan, Peter
KOOIKER, Allard, Eelco
COSIJNS, Suzanne, Johanna, Antonetta, Geertruda
TONG-MINH, Bryan
(31) 14195466
15155387
(32) 28.11.2014
17.02.2015
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G01F 1/66
B06B 1/06
(11) EP2850398
(21) EP13713144.7
(47) 07.08.2019

(87) EP2013056303
21.11.2013
(22) 25.03.2013
(54) MANUFACTURING PROCESS OF AN ULTRASOUND TRANSDUCER WITH IMBEDDED PIEZOELECTRIC TRANSDUCER ELEMENT
(73) Robert Bosch GmbH
(72) Walther, Jens
Rausch, Heiko
(31) 102012208292
(32) 16.05.2012
(33) Germany

(51) G01F 1/66
G01F 15/14
G01F 15/00
(11) EP2588839
(21) EP11803995.7
(47) 07.08.2019
(87) US2011039238
12.01.2012
(22) 06.06.2011
(54) METHOD AND SYSTEM OF AN ULTRASONIC FLOW METER TRANSDUCER ASSEMBLY
(73) Daniel Measurement and Control, Inc.
(72) STRAUB, Jr., Henry C.
GREWAL, Randeep
(31) 825769
(32) 29.06.2010
(33) United States of America

(51) G01F 1/66
G01K 11/24
G01K 13/02
G01M 15/14
F02C 7/22
F02C 3/04
(11) EP2887027
(21) EP14194601.2
(47) 07.08.2019
(22) 24.11.2014
(54) Active measurement of gas flow velocity or simultaneous measurement of velocity and temperature, including in gas turbine combustors
(73) Siemens Energy, Inc.
(72) Claussen, Heiko
DeSilva, Upul P.
(31) 201314132001
201414207803
(32) 18.12.2013
13.03.2014
(33) United States of America
United States of America

(51) G01F 1/684
G01F 15/04
G01F 5/00
G01F 25/00
(11) EP3421947
(21) EP17178905.0
(47) 07.08.2019
(22) 30.06.2017
(54) OPERATION METHOD FOR FLOW SENSOR DEVICE
(73) Sensirion AG
(72) Hornung, Mark

(51) G01F 1/74
G01F 15/08
E21B 47/10
G01N 33/28
(11) EP2569605
(21) EP11722230.7
(47) 07.08.2019
(87) US2011035688
17.11.2011
(22) 09.05.2011
(54) MULTIPHASE FLOWMETER WITH BATCH SEPARATION
(73) Rosemount Inc.
(72) PIHLAJA, Roger, K.
LAIS, Kelli, K.
IMPOLA, Morgan, B.
SAMES, Brian, J.
REMER, Isaac
(31) 201113102256
333996 P
(32) 06.05.2011
12.05.2010
(33) United States of America
United States of America

(51) G01F 1/84
G01F 1/684
(11) EP2530438
(21) EP12170442.3
(47) 07.08.2019
(22) 01.06.2012
(54) Flow measurement device and its use
(73) BERKIN B.V.
(72) Lammerink, Theodorus Simon Josef
Lötters, Joost Conrad
Dijkstra, Marcel
Haneveld, Jeroen
Wiegerink, Remco John
(31) 2006895
(32) 03.06.2011
(33) Netherlands

(51) G01F 23/00
G01F 23/284
G01S 13/88
(11) EP2677285
(21) EP13172356.1
(47) 07.08.2019
(22) 17.06.2013
(54) Intermittent filling level determination with dynamically determined number of measurements
(73) Rosemount Tank Radar AB
(72) Nilsson, Leif
Nyberg, Håkan
Delin, Håkan
(31) 201213525580
(32) 18.06.2012
(33) United States of America

(51) G01F 23/288
G01N 9/24
G01F 25/00
(11) EP2870437
(21) EP13727610.1
(47) 07.08.2019
(87) EP2013061803
09.01.2014
(22) 07.06.2013
(54) RADIOMETRIC MEASURING ARRANGEMENT AND PROCEDURE FOR DETECTING BUILD-UP IN A RADIOMETRIC MEASURING ARRANGEMENT
(73) Endress+Hauser SE+Co. KG
(72) GLASER, Dirk
URBAN, Martin
(31) 102012105922
(32) 03.07.2012
(33) Germany

(51) G01G 3/14
G01G 19/44
G01G 21/14
(11) EP3308111
(21) EP16734050.4
(47) 07.08.2019
(87) JP2016002779
15.12.2016
(22) 08.06.2016
(54) LOAD DETECTOR AND LOAD DETECTION SYSTEM
(73) Minebea Mitsumi Inc.
(72) SATO, Kunihiko
HATCHO, Jun
(31) 2015119368
2016040340
(32) 12.06.2015
02.03.2016
(33) Japan
Japan

(51) G01G 11/00
(11) EP2823265
(21) EP13708183.2
(47) 07.08.2019
(87) EP2013054775
12.09.2013
(22) 08.03.2013
(54) A WEIGHING PLATFORM AND A WEIGHING SYSTEM FOR DYNAMICALLY WEIGHING A FLOW OF ITEMS
(73) Marel Iceland EHF
(72) OLAFSSON, Jon Thor
(31) 12001609
201261624604 P
(32) 08.03.2012
16.04.2012
(33) European Patent Office (EPO)
United States of America

(51) G01G 19/414
A47F 9/04
G07G 1/00
(11) EP2645072
(21) EP13156592.1
(47) 07.08.2019
(22) 25.02.2013
(54) Integrated Scanner, Scale, and Touchscreen Display
(73) NCR Corporation
(72) Collins, Donald
Barron, Peter
Smith, Graeme
(31) 201213435430
(32) 30.03.2012
(33) United States of America

(51) G01G 21/28
G01G 23/00
(11) EP3220110
(21) EP17160634.6
(47) 07.08.2019

(22) 13.03.2017
(54) WEIGHING DEVICE WITH SWITCH CABINET
(73) WIPOTEC GmbH
(72) Schulzki, Alexander
(31) 102016104645
(32) 14.03.2016
(33) Germany

(51) G01G 23/01
G01G 11/12
G01G 3/12
G01G 11/00
(11) EP2843380
(21) EP13780694.9
(47) 07.08.2019
(87) CN2013072505
31.10.2013
(22) 12.03.2013
(54) METHOD FOR CHECK WEIGHING OF MATERIAL AND DEVICE THEREOF
(73) Mesnac. Co. Ltd
(72) YU, Xiaoguang
ZHAI, Weimin
WANG, Duohu
(31) 201210124001
(32) 25.04.2012
(33) China

(51) G01H 9/00
(11) EP2390636
(21) EP11166288.8
(47) 07.08.2019
(22) 16.05.2011
(54) Condition based monitoring system based on radar sensor
(73) Honeywell International Inc.
(72) Peczalski, Andy
Mylaraswamy, Dinkar
(31) 347762 P
201113096253
(32) 24.05.2010
28.04.2011
(33) United States of America
United States of America

(51) G01H 9/00
(11) EP3287754
(21) EP16782753.4
(47) 07.08.2019
(87) JP2016001288
27.10.2016
(22) 09.03.2016
(54) VIBRATION VISUALIZATION ELEMENT, VIBRATION MEASUREMENT SYSTEM, AND METHOD FOR MEASURING VIBRATION
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) WAKITA, Naohide
(31) 2015086141
(32) 20.04.2015
(33) Japan

(51) G01J 1/42
G01J 1/44
(11) EP3407035
(21) EP17172984.1
(47) 07.08.2019
(22) 26.05.2017
(54) MEASURING DEVICE AND METHOD FOR MEASURING THE INTENSITY DISTRIBUTION OF INCIDENT LIGHT RADIATION
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) Turek, Marko
Hagendorf, Christian
Probst, Leonhard

(51) G01J 3/26
G01J 3/02
G02B 26/00
(11) EP2672243
(21) EP13170194.8
(47) 07.08.2019
(22) 03.06.2013
(54) Micromechanical tunable Fabry-Perot interferometer arrangement and a method for producing the same
(73) Teknologian Tutkimuskeskus VTT
(72) Antila, Jarkko
Blomberg, Martti
(31) 20125629
(32) 08.06.2012
(33) Finland

(51) G01J 5/00
C21C 7/00
B21F 1/02
(11) EP3290881
(21) EP16186834.4
(47) 07.08.2019
(22) 01.09.2016
(54) METHOD FOR FEEDING AN OPTICAL CORED WIRE AND IMMERSION SYSTEM TO CARRY OUT THE METHOD
(73) Heraeus Electro-Nite International N.V.
(72) KENDALL, Martin
STRAETEMANS, Marc
FEYTONGS, Dominique

(51) G01L 1/14
G01R 27/26
G06F 3/044
(11) EP2824549
(21) EP13758637.6
(47) 07.08.2019
(87) JP2013000380
12.09.2013
(22) 25.01.2013
(54) SENSOR DEVICE, INPUT DEVICE, AND ELECTRONIC APPARATUS
(73) Sony Corporation
(72) IIDA, Fumihiko
KAWAGUCHI, Hiroto
HASEGAWA, Hayato
ITAYA, Takashi
KANO, Toshio
(31) 2012052821
2012144470
(32) 09.03.2012
27.06.2012
(33) Japan
Japan

(51) G01L 1/24
G01L 1/26
(11) EP2856097
(21) EP13726797.7
(47) 07.08.2019
(87) EP2013061503
12.12.2013
(22) 04.06.2013
(54) METHOD OF COMPENSATING OPTICAL FIBER MEASURING SYSTEMS AND OPTICAL FIBER MEASURING SYSTEMS
(73) fos4X GmbH
(72) BUCK, Thorbjörn
HOFFMANN, Lars
MÜLLER, Mathias
WOJTECH, Rolf
(31) 102012104877
(32) 05.06.2012
(33) Germany

(51) G01L 5/00
G06F 17/50
(11) EP2799828
(21) EP14158726.1
(47) 07.08.2019
(22) 11.03.2014
(54) System and method for predicting distortion of a workpiece resulting from a peening machine process
(73) The Boeing Company
(72) Nervi, Sebastian
Castle, James B.
Hollensteiner, William S.
Noble, Vincent R.
(31) 201313886339
(32) 03.05.2013
(33) United States of America

(51) G01L 5/13
G01M 17/007
G01M 9/00
G01M 9/06
(11) EP3152541
(21) EP15803614.5
(47) 07.08.2019
(87) US2015032912
10.12.2015
(22) 28.05.2015
(54) METHOD AND APPARATUS FOR MEASUREMENT OF AERODYNAMIC PROPERTIES OF A WHEELED VEHICLE
(73) Magee, Garth L
(72) Magee, Garth L
(31) 201414294505
(32) 03.06.2014
(33) United States of America

(51) G01L 5/16
G01L 9/00
G01L 9/06
G01L 1/16
G01L 1/18
(11) EP2796843
(21) EP14160675.6
(47) 07.08.2019
(22) 19.03.2014
(54) Force detection device, and force transducer device
(73) Yokogawa Electric Corporation
(72) Takenaka, Kazuma
(31) 2013090884
(32) 24.04.2013
(33) Japan

(51) G01L 5/26
F03D 7/00
F16H 59/14
G01B 21/32
G01P 3/36
G01M 13/02

G01B 5/30
G01B 7/16
G01L 1/04
G01L 3/10
F03D 17/00
(11) EP3317628
(21) EP16731794.0
(47) 07.08.2019
(87) DK2016050199
05.01.2017
(22) 17.06.2016
(54) A METHOD AND A DEVICE FOR DETERMINING TORSIONAL DEFORMATION IN A DRIVETRAIN
(73) Vestas Wind Systems A/S
(72) OLESEN, Ib Svend
HILTON, Dan
NIELSEN, Johnny
GREGERSEN, Kristian Kiib
(31) 201570419
(32) 30.06.2015
(33) Denmark

(51) G01L 7/08
G01L 9/00
(11) EP3344966
(21) EP16716530.7
(47) 07.08.2019
(87) EP2016057979
09.03.2017
(22) 12.04.2016
(54) PRESSURE SENSOR ARRANGEMENT AND MEASURING TRANSDUCER FOR PROCESS INSTRUMENTATION HAVING SUCH A PRESSURE SENSOR ARRANGEMENT
(73) Siemens Aktiengesellschaft
(72) ERDLER, Gilbert Alexander
VON DOSKY, Stefan
(31) 102015216626
(32) 31.08.2015
(33) Germany

(51) G01L 9/00
G01L 19/00
G01L 19/06
(11) EP2873958
(21) EP14193262.4
(47) 07.08.2019
(22) 14.11.2014
(54) Capacitive pressure sensors for high temperature applications
(73) ROSEMOUNT AEROSPACE INC.
(72) Zhang, Weibin
Fink, Anita
Fahimi, Saeed
Childress, Kimiko J.
(31) 201361904946 P
201361912861 P
201414185156
(32) 15.11.2013
06.12.2013
20.02.2014
(33) United States of America
United States of America
United States of America

(51) G01L 19/14
G01L 9/00
G01L 19/06
(11) EP1754963
(21) EP05745740.0
(47) 07.08.2019
(87) JP2005010022
15.12.2005
(22) 01.06.2005
(54) PRESSURE SENSOR MODULE AND PRESSURE DETECTING DEVICE
(73) Nagano Keiki Co., Ltd.
(72) NAGASAWA, Kenji; c/o NAGANO KEIKI CO., LTD.,
SAKAMOTO, Ayumu; c/o NAGANO KEIKI CO., LTD.,
SHIMADA, Takahiro; c/o NAGANO KEIKI CO., LTD.,
(31) 2004166104
(32) 03.06.2004
(33) Japan

(51) G01L 19/14
G01N 27/04
G01D 3/036
G01N 27/22
G01L 19/00
(11) EP2912426
(21) EP13788852.5
(47) 07.08.2019
(87) US2013066825
01.05.2014
(22) 25.10.2013
(54) COMBINED PRESSURE AND HUMIDITY SENSOR
(73) Robert Bosch GmbH
O'Brien, Gary
Feyh, Ando
Graham, Andrew
Lammel, Gerhard
Waffenschmidt, Sybille
(72) LAMMEL, Gerhard
WAFFENSCHMIDT, Sybille
FEYH, Ando
O'BRIEN, Gary
GRAHAM, Andrew
(31) 201261718416 P
(32) 25.10.2012
(33) United States of America

(51) G01L 25/00
G01L 5/16
A61B 5/00
G01G 23/01
A61B 5/103
A61B 5/11
(11) EP2901125
(21) EP12885216.7
(47) 07.08.2019
(87) US2012057703
03.04.2014
(22) 28.09.2012
(54) SYSTEM AND METHOD FOR THREE DIMENSIONAL CALIBRATION OF FORCE PLATES
(73) Advanced Mechanical Technology, Inc.
(72) WHITE, Bruce, F.
RULAND, Fred
CARIGNAN, Forest, J.
DRUEDING, Albert
GLASS, Gary
(31) 201213628433
(32) 27.09.2012
(33) United States of America

(51) G01L 25/00
G01M 15/02
(11) EP3335022
(21) EP16750451.3
(47) 07.08.2019
(87) EP2016069225
16.02.2017
(22) 12.08.2016
(54) ARRANGEMENT FOR CALIBRATING A TORQUE-MEASURING DEVICE
(73) AVL List GmbH
(72) SCHABINER, Christian
HOFER, Manfred
SCHOCHLOW, Andreas
PÄTSCHKE, Klaus
AUMÜLLER, Bernhard
ABRAHAM, Thomas
SCHMIDT, Joachim
(31) 5352015
(32) 13.08.2015
(33) Austria

(51) G01L 27/00
G01L 23/22
G01L 23/24
(11) EP3237871
(21) EP14824864.4
(47) 07.08.2019
(87) FI2014051047
30.06.2016
(22) 22.12.2014
(54) A METHOD OF CALIBRATING A PRESSURE SENSOR AND AN INTERNAL COMBUSTION PISTON ENGINE
(73) Wärtsilä Finland Oy
(72) KAAS, Tom
NYLUND, Martin

(51) G01M 17/007
A63B 39/00
E01F 13/08
G09B 9/042
(11) EP3309533
(21) EP17195768.1
(47) 07.08.2019
(22) 10.10.2017
(54) DEVICE FOR TESTING A MOTOR VEHICLE PROVIDED WITH AN ADVANCED DRIVING ASSISTANCE SYSTEM
(73) RENAULT s.a.s.
(72) Royer, Jean-Michel
(31) 1659774
(32) 11.10.2016
(33) France

(51) G01M 17/007
F21Y 115/10
F21W 131/00
G01M 99/00
F21V 33/00
(11) EP3242120
(21) EP17168098.6
(47) 07.08.2019
(22) 26.04.2017
(54) COLLISION TARGET DUMMY
(73) Humanetics Austria GmbH
(72) SIMADER, Julian
WESENAUER, Severin
MOSER, Andreas
STEFFAN, Hermann

(31) 102016108138
(32) 02.05.2016
(33) Germany

(51) G01M 17/02
B60C 99/00
(11) EP2979075
(21) EP13880377.0
(47) 07.08.2019
(87) US2013034607
02.10.2014
(22) 29.03.2013
(54) TIRE UNIFORMITY IMPROVEMENT USING ESTIMATES BASED ON CONVOLUTION/DECONVOLUTION WITH MEASURED LATERAL FORCE VARIATION
(73) Compagnie Générale des Etablissements Michelin
(72) MAWBY, William, David
TRAYLOR, James, Michael

(51) G01N 1/28
(11) EP2588844
(21) EP11743785.5
(47) 07.08.2019
(87) EP2011060853
05.01.2012
(22) 28.06.2011
(54) APPARATUSES AND METHODS FOR CUTTING POROUS SUBSTRATES
(73) Whatman International Limited
(72) GRIFFIN, Weston, Blaine
(31) 826877
(32) 30.06.2010
(33) United States of America

(51) G01N 1/28
(11) EP3376202
(21) EP18157049.0
(47) 07.08.2019
(22) 16.02.2018
(54) SEPARATION OF LIQUID IN DROPLETS AND SEDIMENTED MATERIAL ENCLOSED THEREIN
(73) Bruker Daltonik GmbH
(72) SCHÜRENBERG, Martin
VOSSGRÖNE, Alexander
(31) 102017105600
(32) 16.03.2017
(33) Germany

(51) G01N 3/00
G01N 3/42
(11) EP2189780
(21) EP09011436.4
(47) 07.08.2019
(22) 07.09.2009
(54) Device and method for measuring mechanical characteristics of materials
(73) Helmut Fischer GmbH Institut für Elektronik und Messtechnik
(72) Scherzinger, Bernhard
Vollmar, Hans-Peter, Dr.
Wolf, Thomas
(31) 102008058369
(32) 20.11.2008
(33) Germany

(51) G01N 3/08
G01N 33/38
(11) EP2837928
(21) EP14191957.1
(47) 07.08.2019
(22) 28.10.2010
(54) Cement testing
(73) Halliburton Energy Services Inc.
(72) Meadows, David, L.
Darbe, Robert, P.
Pewitt, Keith, D.
(31) 607560
(32) 28.10.2009
(33) United States of America

(51) G01N 9/14
G01N 9/20
(11) EP2950078
(21) EP14001896.1
(47) 07.08.2019
(22) 30.05.2014
(54) Method to determine the density of a liquid gas
(73) FAFNIR GmbH
(72) Schrittenlacher, Wolfgang

(51) G01N 9/26
G01N 9/02
(11) EP3098588
(21) EP15740688.5
(47) 07.08.2019
(87) JP2015051662
30.07.2015
(22) 22.01.2015
(54) TRUE DENSITY MEASUREMENT DEVICE
(73) Microtracbel Corp.
(72) NAKAI, Kazuyuki
YAMAZAKI, Hiromi
NAKAMURA, Kaori
GOUMOTO, Takayuki
(31) 2014010211
(32) 23.01.2014
(33) Japan

(51) G01N 11/08
G01F 22/02
G01F 23/18
G01N 11/00
(11) EP2990777
(21) EP15181496.9
(47) 07.08.2019
(22) 19.08.2015
(54) DEVICE AND METHOD FOR DETECTING PROPERTIES OR THE FILLING LEVEL OF A MEDIUM IN A VESSEL
(73) Seuffer GmbH & Co. KG
(72) Greisiger, Patrick
(31) 202014104019 U
(32) 27.08.2014
(33) Germany

(51) G01N 15/06
G01M 15/10
(11) EP2391878
(21) EP10702861.5
(47) 07.08.2019
(87) EP2010051157
05.08.2010
(22) 01.02.2010
(54) METHOD AND DEVICE FOR MEASURING THE SOOT LOAD IN THE EXHAUST GAS SYSTEMS OF DIESEL ENGINES
(73) Continental Automotive GmbH
(72) ANTE, Johannes
BIERL, Rudolf
HEINRICH, Stephan
HERRMANN, Markus
OTT, Andreas
REITMEIER, Willibald
SCHÄDLICH, Denny
WEIGL, Manfred
WILDGEN, Andreas
(31) 102009007126
(32) 02.02.2009
(33) Germany

(51) G01N 15/06
G01N 15/00
G01N 1/22
G01N 1/24
G01N 27/70
(11) EP2539682
(21) EP11746910.6
(47) 07.08.2019
(87) FI2011000012
01.09.2011
(22) 24.02.2011
(54) APPARATUS FOR MONITORING PARTICLES
(73) Pegasor OY
(72) LANDKAMMER, Jan
(31) 20100090 U
(32) 25.02.2010
(33) Finland

(51) G01N 15/10
(11) EP3285062
(21) EP17180284.6
(47) 07.08.2019
(22) 28.02.2013
(54) METHODS, SYSTEMS, AND DEVICES FOR MULTIPLE SINGLE-CELL CAPTURING AND PROCESSING USING MICROFLUIDICS
(73) Fluidigm Corporation
(72) FOWLER, Brian
KIMBALL, Jake
MAUNG, Myo Thu
MAY, Andrew
NORRIS, Michael C.
TOPPANI, Dominique G.
UNGER, Marc A.
WANG, Jing
WEST, Jason A. A.
(31) 201261605016 P
201213476911
(32) 29.02.2012
21.05.2012
(33) United States of America
United States of America

(51) G01N 15/10
G01N 15/14
(11) EP2859324
(21) EP13801005.3
(47) 07.08.2019
(87) US2013044692
12.12.2013
(22) 07.06.2013
(54) AUTOMATED AND ACCURATE DROP DELAY FOR FLOW CYTOMETRY
(73) Bio-rad Laboratories, Inc.
(72) FOX, Daniel, N.

HUNTER, Susan
GASKILL-FOX, Nathan, Michael
RALEY, Kevin, P.
MILES, Richard, A.
(31) 201261656934 P
(32) 07.06.2012
(33) United States of America

(51) G01N 15/14
G01N 21/49
G01N 21/64
G01N 21/53
(11) EP3026418
(21) EP14829164.4
(47) 07.08.2019
(87) JP2014065136
29.01.2015
(22) 06.06.2014
(54) PARTICLE ANALYSIS DEVICE AND PARTICLE ANALYSIS METHOD
(73) Sony Corporation
(72) TAHARA Katsutoshi
(31) 2013152176
(32) 23.07.2013
(33) Japan

(51) G01N 21/27
G01N 21/64
G01N 21/77
(11) EP2939003
(21) EP13824627.7
(47) 07.08.2019
(87) FR2013053258
03.07.2014
(22) 23.12.2013
(54) METHOD AND SYSTEM FOR DETECTING AND MEASURING FLUORESCENCE SIGNALS
(73) Biomérieux
(72) COLIN, Bruno
DRAZEK, Laurent
PINSTON, Frédéric
(31) 1262790
(32) 26.12.2012
(33) France

(51) G01N 21/64
(11) EP2678664
(21) EP12716105.7
(47) 07.08.2019
(87) US2012026579
30.08.2012
(22) 24.02.2012
(54) SYSTEMS AND METHODS FOR DISTINGUISHING OPTICAL SIGNALS OF DIFFERENT MODULATION FREQUENCIES IN AN OPTICAL SIGNAL DETECTOR
(73) Gen-Probe Incorporated
(72) HEINZ, Robert, E.
NEWELL, Dennis
OPALSKY, David
RHUBOTTOM, Jason
(31) 201161446280 P
(32) 24.02.2011
(33) United States of America

(51) G01N 21/88
G01N 21/958
(11) EP2622328
(21) EP11772908.7
(47) 07.08.2019
(87) EP2011066728
05.04.2012
(22) 27.09.2011
(54) METHOD AND DEVICE FOR INDICATING AUTOMATICALLY IDENTIFIED FLAWS
(73) Viprotron GmbH
(72) VOGEL, Kai
(31) 102010037788
(32) 27.09.2010
(33) Germany

(51) G01N 21/90
(11) EP2434276
(21) EP11007816.9
(47) 07.08.2019
(22) 26.09.2011
(54) Inspection procedure, inspection station and illumination and plotting device
(73) Symplex Vision Systems GmbH
(72) Huhn, Thomas
(31) 102010046461
(32) 24.09.2010
(33) Germany

(51) G01N 21/95
H01L 21/66
(11) EP2652776
(21) EP11849418.6
(47) 07.08.2019
(87) US2011063849
21.06.2012
(22) 07.12.2011
(54) WAFER INSPECTION
(73) KLA-Tencor Corporation
(72) ZHAO, Guoheng
LEONG, Jenn-Kuen
VAEZ-IRAVANI, Mehdi
(31) 424039 P
(32) 16.12.2010
(33) United States of America

(51) G01N 23/223
G01T 7/00
G01V 5/00
G01T 1/02
(11) EP2851678
(21) EP14184342.5
(47) 07.08.2019
(22) 11.09.2014
(54) Portable analyzer with ionizing radiation safety features
(73) Hitachi High-Tech Analytical Science Finland Oy
(72) Järvikivi Mikko
Leino, Jarmo
(31) 201314034607
201414308995
(32) 24.09.2013
19.06.2014
(33) United States of America
United States of America

(51) G01N 23/225
H01J 37/26
G01N 23/2252
H01J 37/244
H01J 37/256
H01J 37/28
(11) EP2162733
(21) EP08762437.5
(47) 07.08.2019
(87) GB2008002124
24.12.2008
(22) 20.06.2008
(54) METHOD FOR QUANTITATIVE ANALYSIS OF A MATERIAL
(73) Oxford Instruments Nanotechnology Tools Limited
(72) STATHAM, Peter, John
BARKSHIRE, Ian, Richard
(31) 0712052
(32) 21.06.2007
(33) United Kingdom

(51) G01N 25/00
(11) EP3262402
(21) EP16708526.5
(47) 07.08.2019
(87) US2016017506
01.09.2016
(22) 11.02.2016
(54) METHODS AND SYSTEMS FOR MEASURING THE FORCES OF A SHRINK FILM
(73) Dow Global Technologies LLC
(72) EFFLER, JR., Lawrence J.
TIWARI, Rashi
TURPIN, Matthew J.
CUMMER, Robert R.
KENNEDY, Lyndi R.
(31) 201562121949 P
(32) 27.02.2015
(33) United States of America

(51) G01N 27/04
G01N 15/06
G01N 15/00
(11) EP3187863
(21) EP15836633.6
(47) 07.08.2019
(87) JP2015073637
03.03.2016
(22) 22.08.2015
(54) SENSOR SUBSTRATE, SENSOR SUBSTRATE WITH LEAD, AND SENSOR DEVICE
(73) Kyocera Corporation
(72) OTOMARU, Hidekazu
KIMURA, Takashi
(31) 2014175766
2014254181
(32) 29.08.2014
16.12.2014
(33) Japan
Japan

(51) G01N 27/12
G01N 27/14
(11) EP3241019
(21) EP15876104.9
(47) 07.08.2019
(87) US2015067685
07.07.2016
(22) 28.12.2015
(54) FABRICATION METHOD FOR A NANOSTRUCTURED LANTHANUM OXIDE HUMIDITY SENSOR AND CORRESPONDING SENSOR DEVICE
(73) Robert Bosch GmbH
(72) SAMARAO, Ashwin, K.
O'BRIEN, Gary
FEYH, Ando

(31) 201462097496 P
(32) 29.12.2014
(33) United States of America

(51) G01N 27/26
G01N 33/18
G01N 27/30
G01N 27/28
G01N 27/48
E21B 47/00
(11) EP2795304
(21) EP12858863.9
(47) 07.08.2019
(87) IB2012057638
27.06.2013
(22) 21.12.2012
(54) ELECTROCHEMICAL SENSORS
(73) Schlumberger Holdings Limited
(72) CRAWFORD, Lynne
MEREDITH, Andrew
LAWRENCE, Nathan
JONES, Timothy
(31) 201122301
(32) 23.12.2011
(33) United Kingdom

(51) G01N 27/327
(11) EP3339850
(21) EP16205825.9
(47) 07.08.2019
(22) 21.12.2016
(54) METHOD AND DEVICE FOR DETERMINING A CONCENTRATION OF AT LEAST ONE ANALYTE
(73) F. Hoffmann-La Roche AG
(72) MARQUANT, Michael
EVGIN, Samuel
KLEIN, Melanie

(51) G01N 27/414
B82Y 30/00
B82Y 15/00
G01N 27/22
(11) EP2623968
(21) EP11828632.7
(47) 07.08.2019
(87) JP2011068202
05.04.2012
(22) 09.08.2011
(54) Gas sensor comprising a gate structure with capacitively coupled platinum crystal grains
(73) Hitachi, Ltd.
(72) USAGAWA Toshiyuki
(31) 2010218983
(32) 29.09.2010
(33) Japan

(51) G01N 27/416
G01N 27/02
G01N 27/327
G01N 33/487
(11) EP1639357
(21) EP04755678.2
(47) 07.08.2019
(87) US2004019640
06.01.2005
(22) 18.06.2004
(54) METHOD FOR DETERMINING AN ABUSED SENSOR DURING ANALYTE MEASUREMENT IN A BLOOD SAMPLE
(73) F. Hoffmann-La Roche AG
(72) BURKE, David, W.
KUHN, Lance, S.
MAXWELL, James, L.
(31) 480298 P
688561
(32) 20.06.2003
17.10.2003
(33) United States of America
United States of America

(51) G01N 27/62
(11) EP2815233
(21) EP13726855.3
(47) 07.08.2019
(87) IB2013000617
22.08.2013
(22) 15.02.2013
(54) SYNCHRONISED ION MODIFICATION
(73) Smiths Detection-Watford Limited
(72) TAYLOR, Stephen, J.
ATKINSON, Jonathan, R.
(31) 201261599499 P
(32) 16.02.2012
(33) United States of America

(51) G01N 27/74
B23Q 16/00
G01N 1/36
G01N 27/72
G01R 33/12
B03C 1/033
B03C 1/28
G01R 33/02
G01N 35/00
(11) EP3120138
(21) EP15764309.9
(47) 07.08.2019
(87) FI2015050190
24.09.2015
(22) 20.03.2015
(54) MEASURING ARRANGEMENT AND METHOD FOR MEASURING A SAMPLE
(73) Magnasense Technologies Oy
(72) SAVONEN, Markus
(31) 20145267
(32) 21.03.2014
(33) Finland

(51) G01N 27/82
G01N 29/44
G01N 29/52
G01N 29/24
G01N 29/42
(11) EP3088882
(21) EP14841923.7
(47) 07.08.2019
(87) CN2014079703
12.03.2015
(22) 12.06.2014
(54) MAGNETOSTRICTIVE WAVEGUIDE DETECTION SIGNAL PROCESSING METHOD AND DEVICE
(73) Huazhong University of Science and Technology
(72) WU, Xinjun
TANG, Mingxi
SUN, Pengfei
(31) 201310723746
(32) 24.12.2013
(33) China

(51) G01N 29/02
G01N 29/036
G01N 29/24
G01N 21/17
(11) EP3108230
(21) EP15717089.5
(47) 07.08.2019
(87) EP2015000350
20.08.2015
(22) 17.02.2015
(54) MEASURING DEVICE AND METHOD FOR DETERMINING MASS AND/OR MECHANICAL PROPERTIES OF A BIOLOGICAL SYSTEM
(73) Universität Basel
ETH Zürich
(72) MARTINEZ-MARTIN, David
MUELLER, Daniel J.
MARTIN, Sascha
GERBER, Christoph
BIRCHER, Benjamin
(31) 14000560
14004244
(32) 17.02.2014
16.12.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G01N 29/04
G01N 29/32
G01N 29/22
G01N 29/265
G01N 29/30
(11) EP3040719
(21) EP14839898.5
(47) 07.08.2019
(87) JP2014004407
05.03.2015
(22) 27.08.2014
(54) ULTRASONIC FLAW-DETECTION DEVICE
(73) Kawasaki Jukogyo Kabushiki Kaisha
(72) YAMAOKA, Toshihiro
(31) 2013179633
(32) 30.08.2013
(33) Japan

(51) G01N 31/12
G01N 33/18
(11) EP3230731
(21) EP15834790.6
(47) 07.08.2019
(87) DE2015100519
16.06.2016
(22) 08.12.2015
(54) ANALYSIS SYSTEM FOR ANALYZING WATER AND WASTEWATER
(73) LAR Process Analysers AG
(72) ARTS, Werner
GENTHE, Wolfgang
(31) 102014118138
(32) 08.12.2014
(33) Germany

(51) G01N 33/18
G16C 20/90
G16C 20/80
(11) EP2906942
(21) EP13845256.0
(47) 07.08.2019
(87) US2013000230
17.04.2014
(22) 04.10.2013

(54) PROCESSOR-BASED ANALYSIS SYSTEM AND METHOD
(73) Industrial Test Systems, Inc.
(72) JAUNAKAIS, Lea, M.
ROBERTS, Andrew, J.
BAILEY, George, L., II
MCBRIDE, Michael, C.
WRIGHT, John, R.
(31) 201213651305
(32) 12.10.2012
(33) United States of America

(51) G01N 33/36
G09B 23/28
(11) EP3252466
(21) EP15879958.5
(47) 07.08.2019
(87) JP2015052558
04.08.2016
(22) 29.01.2015
(54) SWEAT SIMULATOR AND SWEAT SIMULATION METHOD
(73) Kaken Test Center
(72) YASUDA, Atsushi

(51) G01N 33/487
G01N 33/68
(11) EP3008465
(21) EP14810249.4
(47) 07.08.2019
(87) US2014042428
18.12.2014
(22) 13.06.2014
(54) METHOD OF SCREENING CANDIDATE BIOCHEMICAL ENTITIES TARGETING A TARGET BIOCHEMICAL ENTITY
(73) Biodesy, Inc.
(72) SALAFSKY, Joshua
MOREE III, Carl, Benton
(31) 201361834782 P
(32) 13.06.2013
(33) United States of America

(51) G01N 33/50
(11) EP2457089
(21) EP10747679.8
(47) 07.08.2019
(87) IL2010000581
27.01.2011
(22) 21.07.2010
(54) A METHOD OF DIAGNOSING CANCER
(73) Tel HaShomer Medical Research Infrastructure and Services Ltd.
(72) MARKEL, Gal
(31) 227130 P
(32) 21.07.2009
(33) United States of America

(51) G01N 33/50
A61K 31/685
G01N 33/68
(11) EP3254105
(21) EP16715645.4
(47) 07.08.2019
(87) US2016016536
11.08.2016
(22) 04.02.2016
(54) DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF
(73) Metabolon, Inc.
(72) MILLER, Luke
ADAM, Klaus, Peter
MILBURN, Michael, V.
COBB, Jeffery, E.
EVANS, Anne, M.
ZHANG, Qibo
(31) 201562113113 P
(32) 06.02.2015
(33) United States of America

(51) G01N 33/50
G01N 33/538
B01L 3/00
G01N 21/84
G01N 33/558
G01N 33/548
G01N 33/543
G01N 33/76
(11) EP2955519
(21) EP14290166.9
(47) 07.08.2019
(22) 10.06.2014
(54) LATERAL FLOW MEMBRANE FOR MULTIPARAMETER READOUTS AND IMMUNOASSAY DEVICE COMPRISING THE SAME
(73) Sartorius Stedim Biotech GmbH
(72) VAN ROSSUM, Denise
JALLÉRAT, Eric
DREBING, Susanne
MELZNER, Dieter

(51) G01N 33/53
A61P 25/24
A61P 31/22
A01K 67/027
C12N 5/10
(11) EP3163301
(21) EP15811939.6
(47) 07.08.2019
(87) JP2015069080
30.12.2015
(22) 25.06.2015
(54) METHOD FOR TREATING, OR PREVENTING MOOD DISORDER
(73) Japan Tobacco, Inc.
Virus Ikagaku Kenkyusho Inc.
(72) KONDO, Kazuhiro
KOBAYASHI, Nobuyuki
OKA, Naomi
(31) 201462018005 P
(32) 27.06.2014
(33) United States of America

(51) G01N 33/532
C07K 16/44
C12Q 1/68
G01N 33/533
G01N 33/58
C07D 495/04
(11) EP3276349
(21) EP17192133.1
(47) 07.08.2019
(22) 01.11.2007
(54) HAPTENS, HAPTEN CONJUGATES, COMPOSITIONS THEREOF AND METHOD FOR THEIR PREPARATION AND USE
(73) Ventana Medical Systems, Inc.
(72) KOSMEDER, Jerry
LEFEVER, Mark
JOHNSON, Donald
FARRELL, Michael
ZHILINA, Zhanna
BIENIARZ, Christopher
(31) 856133 P
(32) 01.11.2006
(33) United States of America

(51) G01N 33/537
(11) EP2652499
(21) EP11804875.0
(47) 07.08.2019
(87) US2011065157
21.06.2012
(22) 15.12.2011
(54) ANTIBODY-LINKED IMMUNO-SEDIMENTATION AGENT AND METHOD OF ISOLATING A TARGET FROM A SAMPLE USING SAME
(73) Cytosed, Inc.
(72) DINGES, Warren L.
(31) 423391 P
(32) 15.12.2010
(33) United States of America

(51) G01N 33/542
G01N 33/533
G01N 33/543
(11) EP2839284
(21) EP13793390.9
(47) 07.08.2019
(87) SG2013000210
28.11.2013
(22) 22.05.2013
(54) A MICROPARTICLE ASSEMBLY
(73) National University of Singapore
(72) TRAU, Dieter
LEAR, Martin James
OCHS, Christopher
(31) 201209034
(32) 22.05.2012
(33) United Kingdom

(51) G01N 33/542
G01N 33/574
(11) EP3403095
(21) EP17714964.8
(47) 07.08.2019
(87) US2017022566
21.09.2017
(22) 15.03.2017
(54) METHODS OF ASSESSING PROTEIN INTERACTIONS BETWEEN CELLS
(73) Laboratory Corporation of America Holdings
(72) WALLWEBER, Gerald J.
(31) 201662308587 P
(32) 15.03.2016
(33) United States of America

(51) G01N 33/543
G01N 33/558
(11) EP2975407
(21) EP14764277.1
(47) 07.08.2019
(87) JP2014056518
18.09.2014
(22) 12.03.2014
(54) EXAMINATION KIT
(73) Denka Seiken Co., Ltd.
(72) MIYAZAWA, Takashi
SHINOHARA, Yuki
(31) 2013050974
(32) 13.03.2013

(33) Japan

(51) G01N 33/543
G01N 33/569
G01N 33/68
(11) EP3217176
(21) EP16000589.8
(47) 07.08.2019
(22) 11.03.2016
(54) IMMUNOENZYMATIC METHOD ALLOWING THE SEQUENTIAL DETECTION AND IDENTIFICATION OF ANALYTES
(73) Scienion AG
(72) ZREIN, Maan
GUEYFFIER, Lucie

(51) G01N 33/558
G01N 33/53
G01N 33/52
(11) EP3186635
(21) EP15835338.3
(47) 07.08.2019
(87) SG2015050291
03.03.2016
(22) 31.08.2015
(54) A TEST STRIP FOR PAPER-BASED ASSAY
(73) Agency for Science, Technology And Research
(72) YING, Jackie Y.
BAI, Jianhao
LEE, Yong Yeow
(31) 10201405360P
(32) 30.08.2014
(33) Singapore

(51) G01N 33/558
G01N 33/543
(11) EP3224622
(21) EP15802025.5
(47) 07.08.2019
(87) EP2015077568
02.06.2016
(22) 24.11.2015
(54) METHOD FOR DETERMINING ANALYTE-LIGAND BINDING ON A SENSOR SURFACE
(73) GE Healthcare Bio-Sciences AB
(72) KARLSSON, Olof
(31) 1451456
(32) 28.11.2014
(33) Sweden

(51) G01N 33/569
G01N 33/577
C12N 15/03
(11) EP2823312
(21) EP13710328.9
(47) 07.08.2019
(87) EP2013054670
12.09.2013
(22) 08.03.2013
(54) IN VITRO POTENCY ASSAY FOR PROTEIN-BASED MENINGOCOCCAL VACCINES
(73) GlaxoSmithKline Biologicals SA
(72) GIULIANI, Marzia
MORI, Elena
(31) 201261608293 P
(32) 08.03.2012

(33) United States of America

(51) G01N 33/58
G01N 33/53
G01N 33/52
(11) EP2619588
(21) EP11827572.6
(47) 07.08.2019
(87) US2011052837
29.03.2012
(22) 22.09.2011
(54) METHODS AND REAGENTS FOR SIGNAL AMPLIFICATION
(73) Biocept, Inc.
(72) MIKOLAJCZYK, Stephen D.
MILLAR, Lisa S.
(31) 385937 P
(32) 23.09.2010
(33) United States of America

(51) G01N 33/66
C12Q 1/00
A61B 5/145
A61L 2/08
(11) EP3303604
(21) EP16734070.2
(47) 07.08.2019
(87) US2016035315
08.12.2016
(22) 01.06.2016
(54) PROTECTIVE AGENTS AGAINST E-BEAM IRRADIATION FOR PROTEINS IN OPTICAL SENSING CHEMISTRY
(73) Medtronic MiniMed, Inc.
(72) DANG, Tri T.
AROYAN, Sarkis
KRISTENSEN, Jesper Svenning
(31) 201514728442
(32) 02.06.2015
(33) United States of America

(51) G01N 33/86
G01N 21/75
G01N 33/49
(11) EP2508891
(21) EP10834501.8
(47) 07.08.2019
(87) JP2010070741
09.06.2011
(22) 19.11.2010
(54) BLOOD COAGULATION ANALYZER
(73) Hitachi High-Technologies Corporation
(72) MAKINO Akihisa
MIMURA Tomonori
TAMURA Terumi
ADACHI Sakuichiro
(31) 2009276229
(32) 04.12.2009
(33) Japan

(51) G01N 35/00
B01L 3/00
A61B 10/00
(11) EP2994761
(21) EP14727319.7
(47) 07.08.2019
(87) US2014035677
06.11.2014
(22) 28.04.2014
(54) IMAGING CARTRIDGE, PIPETTE, AND METHOD OF USE FOR DIRECT SPUTUM SMEAR MICROSCOPY
(73) Becton, Dickinson and Company
(72) LASTOVICH, Alexander
QUINN, Anita
BELL, Pauline Elizabeth
SCHRAM, James Lee
NIELSON, Rex Young
HAYES, Jason Paul
SPRINGER, Matthew James
BELCOURT, Lincoln
SOLOMON, Matthew Daniel
(31) 201361817158 P
(32) 29.04.2013
(33) United States of America

(51) G01N 35/08
G01N 21/27
G01N 21/64
G01N 33/543
G01N 37/00
B01L 3/00
G01N 35/10
(11) EP2708901
(21) EP12782044.7
(47) 07.08.2019
(87) JP2012061718
15.11.2012
(22) 08.05.2012
(54) MICROCHIP LIQUID FEEDING SYSTEM
(73) Konica Minolta, Inc.
(72) YAMAMOTO, Noriaki
AOKI, Youichi
(31) 2011104153
(32) 09.05.2011
(33) Japan

(51) G01N 35/10
(11) EP2511709
(21) EP10835841.7
(47) 07.08.2019
(87) JP2010071079
16.06.2011
(22) 26.11.2010
(54) DISPENSING NOZZLE FOR AUTOMATIC ANALYZER, AND AUTOMATIC ANALYZER INCLUDING SAME
(73) Hitachi High-Technologies Corporation
(72) TANIGUCHI Shinichi
NOJIMA Akihiro
(31) 2009281539
(32) 11.12.2009
(33) Japan

(51) G01N 35/10
G01N 33/53
(11) EP2682754
(21) EP12753007.9
(47) 07.08.2019
(87) JP2012054716
07.09.2012
(22) 27.02.2012
(54) POSITION ADJUSTMENT METHOD FOR MOVABLE UNIT IN SPECIMEN ANALYSIS DEVICE, AND SPECIMEN ANALYSIS DEVICE
(73) Sysmex Corporation
(72) WAKAMIYA Yuji
(31) 2011042571
(32) 28.02.2011
(33) Japan

(51) G01N 35/10
G01N 35/00

G01N 27/06
G01N 33/18
(11) EP3101432
(21) EP15743833.4
(47) 07.08.2019
(87) JP2015050999
06.08.2015
(22) 16.01.2015
(54) AUTOMATIC ANALYSIS DEVICE
(73) HITACHI HIGH-TECHNOLOGIES CORPORATION
(72) YOSHIDA Gorou
(31) 2014015057
(32) 30.01.2014
(33) Japan

(51) G01P 3/487
G01P 3/488
G01P 3/489
G01P 21/00
G01D 5/244
(11) EP2746779
(21) EP14157198.4
(47) 07.08.2019
(22) 04.05.2011
(54) Motion sensor, method and computer-readable storage medium for detecting a motion of an object
(73) Allegro MicroSystems, LLC
(72) Foletto, Andrea
Fernandez, Devon
Burdette, Eric
(31) 793168
(32) 03.06.2010
(33) United States of America

(51) G01P 3/49
G01D 5/20
(11) EP2434295
(21) EP11170870.7
(47) 07.08.2019
(22) 22.06.2011
(54) Sensor device for determining at least one rotation characteristic
(73) Robert Bosch GmbH
(72) Kassner, Uwe
(31) 102010041245
(32) 23.09.2010
(33) Germany

(51) G01P 21/00
G01P 1/00
G01P 15/18
(11) EP2274628
(21) EP09743737.0
(47) 07.08.2019
(87) US2009043258
12.11.2009
(22) 08.05.2009
(54) ACCELEROMETER AND METHOD FOR ERROR COMPENSATION
(73) L-3 Communications Corporation
(72) WEED, Michael E.
ROSENBAUER, Thomas
(31) 117538
(32) 08.05.2008
(33) United States of America

(51) G01Q 40/02
(11) EP2657711
(21) EP13164952.7
(47) 07.08.2019
(22) 23.04.2013
(54) Characterization structure for an atomic force microscope tip
(73) Nanotools GmbH
(72) Foucher, Johann
Irmer, Bernd
(31) 12165533
(32) 25.04.2012
(33) European Patent Office (EPO)

(51) G01R 15/18
(11) EP2756319
(21) EP12773245.1
(47) 07.08.2019
(87) EP2012068180
21.03.2013
(22) 16.09.2012
(54) PRECISION NEAR-FIELD CURRENT TRANSDUCER
(73) Kelvatek Ltd.
(72) BEASANT, Robert
(31) 201116091
(32) 16.09.2011
(33) United Kingdom

(51) G01R 15/18
(11) EP3112883
(21) EP16001451.0
(47) 07.08.2019
(22) 29.06.2016
(54) MEASURING ASSEMBLY AND METHOD FOR CONTACTLESS CURRENT MEASUREMENT
(73) Testo AG
(72) Nesovic Nebojsa
Volger Jörg
Göpfert, Dirk
(31) 102015008516
(32) 30.06.2015
(33) Germany

(51) G01R 19/00
G01R 1/067
(11) EP2873979
(21) EP14193047.9
(47) 07.08.2019
(22) 13.11.2014
(54) Active current sensing circuit and measurement device
(73) Fluke Precision Measurement Ltd.
(72) Yao, Hong
Yang, Fei
Yang, Yong
(31) 201310571254
(32) 13.11.2013
(33) China

(51) G01R 19/10
B60T 13/66
F16D 65/00
(11) EP2535728
(21) EP11004904.6
(47) 07.08.2019
(22) 15.06.2011
(54) Electrical control unit for a vehicle actuation system
(73) Lucas Automotive GmbH
(72) Grieser-Schmitz, Stefan

(51) G01R 23/167
H02H 1/00
(11) EP3359972
(21) EP16777984.2
(47) 07.08.2019
(87) EP2016073725
13.04.2017
(22) 05.10.2016
(54) METHOD AND SYSTEM FOR DETERMINING PHASOR COMPONENTS OF A PERIODIC WAVEFORM
(73) ABB Schweiz AG
(72) ABEYWICKRAMA, Nilanga
SAERS, Robert
BENGTSSON, Tord
HEDBERG, Jonas
(31) 15188598
(32) 06.10.2015
(33) European Patent Office (EPO)

(51) G01R 27/20
G01R 31/327
(11) EP2708907
(21) EP13196147.6
(47) 07.08.2019
(22) 24.08.2012
(54) Method and apparatus for measuring resistances of switch contacts in an electrical power circuit breaker
(73) Omicron electronics GmbH
(72) Klapper, Ulrich
De Villiers, Wernich
Kaufmann, Reinhard

(51) G01R 31/02
(11) EP2787357
(21) EP13162478.5
(47) 07.08.2019
(22) 05.04.2013
(54) Method and device for testing a transformer
(73) Omicron electronics GmbH
(72) Jäger, Markus
Krüger, Michael
Atlas, Dmitry
Predl, Florian
Freiburg, Michael

(51) G01R 31/02
G01R 19/165
G08B 21/18
G01R 1/067
G01R 31/34
G01R 29/08
G01R 29/14
G01R 31/08
G01R 15/24
G01R 19/145
(11) EP3092504
(21) EP15857788.2
(47) 07.08.2019
(87) US2015010256
12.05.2016
(22) 06.01.2015
(54) APPARATUS FOR MONITORING AND CONTROLLING DETECTION OF STRAY VOLTAGE ANOMALIES USING A PHOTONIC SENSOR
(73) Power Survey LLC
(72) KALOKITIS, David
(31) 201461924502 P
(32) 07.01.2014
(33) United States of America

(51) G01R 31/07
G01R 31/327

(11) EP2857851
(21) EP13187220.2
(47) 07.08.2019
(22) 03.10.2013
(54) A device for diagnosing the condition of a fuse or a contact in a contactor and electromechanical assembly comprising such a diagnosing device
(73) Fico Triad, S.A.
(72) Sala, Enric

(51) G01R 31/26
H03K 17/18
H02P 29/02
H02M 1/32
G01R 31/00
H02M 7/48
(11) EP3109649
(21) EP16175583.0
(47) 07.08.2019
(22) 21.06.2016
(54) AGING DETERMINATION OF POWER SEMICONDUCTOR DEVICE IN ELECTRIC DRIVE SYSTEM
(73) ABB Schweiz AG
(72) SJOROOS, Jukka-Pekka
TIKKANEN, Kari
(31) 201562184654 P
(32) 25.06.2015
(33) United States of America

(51) G01R 31/36
G01R 27/02
H01M 10/48
G06F 1/26
B60Q 1/00
B60R 16/033
H04Q 9/00
H01M 10/42
G01R 31/396
(11) EP3126860
(21) EP15774092.9
(47) 07.08.2019
(87) US2015024148
08.10.2015
(22) 02.04.2015
(54) FUNCTIONAL REDUNDANCY OF COMMUNICATIONS AND DATA TRANSMISSION IN ENERGY STORAGE SYSTEM
(73) Tesla, Inc.
(72) DIMEN, Ian C.
(31) 201461974225 P
(32) 02.04.2014
(33) United States of America

(51) G01R 31/36
H01M 10/48
(11) EP2848952
(21) EP13788405.2
(47) 07.08.2019
(87) JP2013002265
14.11.2013
(22) 01.04.2013
(54) DEVICE FOR ESTIMATING STATE OF CHARGE OF BATTERY
(73) Keio University
Calsonic Kansei Corporation
(72) BABA, Atsushi
ADACHI, Shuichi
(31) 2012109451
(32) 11.05.2012
(33) Japan

(51) G01R 33/035
(11) EP3320357
(21) EP16732715.4
(47) 07.08.2019
(87) GB2016051880
12.01.2017
(22) 23.06.2016
(54) SUPERCONDUCTING MAGNETIC SENSOR
(73) Loughborough University
(72) CHESCA, Boris
JOHN, Daniel
(31) 201511803
(32) 06.07.2015
(33) United Kingdom

(51) G01R 33/12
G01R 33/18
(11) EP3339871
(21) EP17205462.9
(47) 07.08.2019
(22) 05.12.2017
(54) INLINE WAVE MAJORITY GATE DEVICE
(73) IMEC VZW
Katholieke Universiteit Leuven
(72) ZOGRAFOS, Odysseas
SOREE, Bart
CIUBOTARU, Florin
ADELMANN, Hanns Christoph
(31) 16205639
(32) 21.12.2016
(33) European Patent Office (EPO)

(51) G01R 33/34
A61B 5/055
G01R 33/3415
G01R 33/36
(11) EP2281208
(21) EP09730186.5
(47) 07.08.2019
(87) AU2009000422
15.10.2009
(22) 07.04.2009
(54) MRI RF COIL DESIGN
(73) The University Of Queensland
(72) CROZIER, Stuart
LI, Bing, Keong
LIU, Feng
WEBER, Ewald
(31) 2008901638
(32) 07.04.2008
(33) Australia

(51) G01R 33/3875
(11) EP2409170
(21) EP10711467.0
(47) 07.08.2019
(87) IB2010051170
23.09.2010
(22) 18.03.2010
(54) A TESSERAL SHIM COIL FOR A MAGNETIC RESONANCE SYSTEM
(73) Koninklijke Philips N.V.
(72) KONIJN, Jan
MULDER, Gerardus, B., J.
(31) 09155782
(32) 20.03.2009
(33) European Patent Office (EPO)

(51) G01R 33/48
G01R 33/561
(11) EP2992351
(21) EP14716423.0
(47) 07.08.2019
(87) IB2014059890
09.10.2014
(22) 17.03.2014
(54) DIXON-TYPE WATER/FAT SEPARATION MRI USING HIGH-SNR IN-PHASE IMAGE AND LOWER-SNR AT LEAST PARTIALLY OUT-OF-PHASE IMAGE
(73) Koninklijke Philips N.V.
(72) EGGERS, Holger
(31) 201361807783 P
(32) 03.04.2013
(33) United States of America

(51) G01R 33/54
(11) EP2347274
(21) EP09756846.3
(47) 07.08.2019
(87) IB2009054848
14.05.2010
(22) 02.11.2009
(54) AUTOMATED SEQUENTIAL PLANNING OF MR SCANS
(73) Koninklijke Philips N.V.
(72) BERGMANS, Cornelis, J., F., M.
BYSTROV, Daniel
HEESE, Harald, S.
KOUWENHOVEN, Marc
DEN HARDER, Johan, M.
SIMONETTI, Arjan, W.
DE KOK, Wendy
(31) 08168342
(32) 05.11.2008
(33) European Patent Office (EPO)

(51) G01R 33/563
G01R 33/56
G01R 33/561
G06T 11/00
(11) EP1959397
(21) EP08002568.7
(47) 07.08.2019
(22) 12.02.2008
(54) Iterative HYPR medical image reconstruction
(73) WISCONSIN ALUMNI RESEARCH FOUNDATION
(72) O'Halloran, Rafael L.
Holmes, James H.
Fain, Sean B.
(31) 901727 P
(32) 19.02.2007
(33) United States of America

(51) G01S 1/70
(11) EP2955537
(21) EP15171039.9
(47) 07.08.2019
(22) 08.06.2015
(54) DEVICE AND METHOD FOR DETECTING THE PRESENCE OF A MOBILE DEVICE
(73) Karl Storz SE & Co. KG
(72) Brüderle, Klaus
(31) 102014108364
(32) 13.06.2014

(33) Germany

(51) G01S 3/786
G05D 1/12
(11) EP2071353
(21) EP08171682.1
(47) 07.08.2019
(22) 15.12.2008
(54) System and methods for autonomous tracking and surveillance
(73) The Boeing Company
(72) Kokkeby, Kristen L.
Lutter, Robert P.
Munoz, Michael L.
Cathey, Frederick W.
Hilliard, John D.
Olson, Trevor L.
(31) 956711
(32) 14.12.2007
(33) United States of America

(51) G01S 5/02
(11) EP3311186
(21) EP16734100.7
(47) 07.08.2019
(87) US2016037817
22.12.2016
(22) 16.06.2016
(54) SYSTEMS AND METHODS FOR LOCATING OBJECTS WITHIN A SPACE
(73) Sensormatic Electronics, LLC
(72) RAYNESFORD, Steven James
GATHRIGHT, David Scott
(31) 201514740383
(32) 16.06.2015
(33) United States of America

(51) G01S 5/02
G01S 5/14
G01S 5/06
H04W 64/00
(11) EP3255449
(21) EP15893604.7
(47) 07.08.2019
(87) CN2015080285
08.12.2016
(22) 29.05.2015
(54) ACQUISITION METHOD AND DEVICE OF TIME OF ARRIVAL FOR POSITIONING MOBILE TERMINAL
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) LI, Yijie
XUE, Jiantao
CUI, Jie
LI, Anjian

(51) G01S 5/02
H04L 29/08
H04W 4/02
H04W 4/20
G06Q 30/02
H04W 4/18
(11) EP2223145
(21) EP08854971.2
(47) 07.08.2019
(87) KR2008007072
04.06.2009
(22) 28.11.2008
(54) SYSTEM AND METHOD FOR INFORMATION SERVICE USING NETWORK
(73) LG Innotek Co., Ltd.
(72) CHO, Young-Bin
(31) 20070122416
(32) 29.11.2007
(33) Korea (Republic)

(51) G01S 5/02
H04W 64/00
(11) EP2262331
(21) EP10011931.2
(47) 07.08.2019
(22) 06.06.2007
(54) Determining the position of mobile terminals in a mobile telephone network and uses therefor
(73) Vodafone Holding GmbH
(72) Gerasimon, Nicolas
Birle, Christian
(31) 102006027270
(32) 09.06.2006
(33) Germany

(51) G01S 5/02
H04W 64/00
(11) EP2998760
(21) EP14306453.3
(47) 07.08.2019
(22) 22.09.2014
(54) Method, user equipment, system and computer readable medium for localizing an user equipment
(73) Alcatel Lucent
(72) Milioris, Dimitrios

(51) G01S 5/02
H04W 72/12
(11) EP2448332
(21) EP10791514.2
(47) 07.08.2019
(87) CN2010074172
29.12.2010
(22) 21.06.2010
(54) METHOD FOR SENDING LOCATION INFORMATION AND DEVICE THEREOF
(73) Huawei Technologies Co., Ltd.
(72) CHEN, Shi
LI, Yuanjie
(31) 200910150704
(32) 22.06.2009
(33) China

(51) G01S 7/02
H04B 1/10
H03H 17/04
H03H 21/00
(11) EP3293882
(21) EP17174816.3
(47) 07.08.2019
(22) 07.06.2017
(54) SYSTEMS AND METHODS FOR PARALLELIZING AND PIPELINING A TUNABLE BLIND SOURCE SEPARATION FILTER
(73) The Boeing Company
HRL Laboratories, LLC
(72) Ray, Gary Alan
Petre, Peter
Martin, Charles E.
Rao, Shankar R.
(31) 201615263016
(32) 12.09.2016
(33) United States of America

(51) G01S 7/28
G01F 23/284
G01S 13/10
G01S 13/88
(11) EP2677339
(21) EP13172360.3
(47) 07.08.2019
(22) 17.06.2013
(54) Pulsed level gauge system with adaptive transceiver control
(73) Rosemount Tank Radar AB
(72) Nilsson, Leif
Nyberg, Håkan
Delin, Håkan
(31) 201213525607
(32) 18.06.2012
(33) United States of America

(51) G01S 7/40
G01S 17/74
G01S 17/46
(11) EP2752682
(21) EP13170950.3
(47) 07.08.2019
(22) 06.06.2013
(54) Measurement system and measuring method
(73) MITSUBISHI HEAVY INDUSTRIES, LTD.
(72) Nishikata, Shingo
Uchiyma, Yuki
Daigo, Hiroyuki
Koyama, Takuya
Uchida, Hiroki
(31) 2013001432
(32) 08.01.2013
(33) Japan

(51) G01S 7/481
G02B 26/10
G02B 7/182
(11) EP2860546
(21) EP13187890.2
(47) 07.08.2019
(22) 09.10.2013
(54) Measuring device with a rotation mirror for optically scanning an environment
(73) Hexagon Technology Center GmbH
(72) Plangger, Karl Helmut
Mayer, Tim
Scheja, Jochen

(51) G01S 7/52
G01S 15/89
A61B 8/08
(11) EP2903530
(21) EP13844129.0
(47) 07.08.2019
(87) US2013062617
10.04.2014
(22) 30.09.2013
(54) SHEAR WAVE ATTENUATION FROM K-SPACE ANALYSIS SYSTEM
(73) MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
(72) NENADIC, Ivan, Z.
CHEN, Shigao
GREENLEAF, James, F.
URBAN, Matthew, W.
QIANG, Bo
ZHAO, Heng
(31) 201261708382 P
(32) 01.10.2012

(33) United States of America

(51) G01S 7/52
G01S 15/93
(11) EP2840413
(21) EP14171863.5
(47) 07.08.2019
(22) 11.06.2014
(54) Method for operating an ultrasonic sensor
(73) ROBERT BOSCH GMBH
(72) Klotz, Albrecht
Treptow, Thomas
(31) 102013215215
(32) 02.08.2013
(33) Germany

(51) G01S 13/28
(11) EP2613174
(21) EP11821267.9
(47) 07.08.2019
(87) JP2011004591
08.03.2012
(22) 16.08.2011
(54) RADAR DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) KISHIGAMI, Takaaki
NAKAGAWA, Yoichi
MUKAI, Hirohito
(31) 2010197023
(32) 02.09.2010
(33) Japan

(51) G01S 15/89
A61B 8/06
A61B 8/08
(11) EP2776860
(21) EP12798424.3
(47) 07.08.2019
(87) JP2012077815
16.05.2013
(22) 22.10.2012
(54) APPARATUS AND METHOD USING ELASTIC WAVES FOR ACQUIRING MOVING INFORMATION AND PROGRAM FOR EXECUTING THE METHOD
(73) Canon Kabushiki Kaisha
(72) TAKI, Hirofumi
NAGAE, Kenichi
SATO, Toru
MORIMOTO, Junichi
(31) 2011243607
2012023343
(32) 07.11.2011
06.02.2012
(33) Japan
Japan

(51) G01S 19/17
G01S 19/21
G01S 19/24
G01S 19/39
G01S 5/02
G08G 5/00
B64D 45/00
(11) EP3176607
(21) EP16197095.9
(47) 07.08.2019
(22) 03.11.2016
(54) VERIFICATION OF TRUSTWORTHINESS OF POSITION INFORMATION TRANSMITTED FROM AN AIRCRAFT VIA A COMMUNICATIONS SATELLITE
(73) The Boeing Company
(72) Nyikos, Siobvan M.
Ayyagari, Arun
Eigle, Ted
Richards, William R.
Woodward, Tracy L.
McCormick, Bernell R.
(31) 201514941962
(32) 16.11.2015
(33) United States of America

(51) G01S 19/22
G01S 19/23
H01Q 3/26
H04B 17/00
(11) EP2535738
(21) EP11004867.5
(47) 07.08.2019
(22) 15.06.2011
(54) Improved antenna beam forming for tracking a transmitter signal
(73) Airbus Defence and Space GmbH
(72) Floch, Jean-Jacques

(51) G01S 19/23
(11) EP2985631
(21) EP14181007.7
(47) 07.08.2019
(22) 14.08.2014
(54) Navigation satellite system based positioning involving the generation of receiver-specific or receiver-type-specific correction information
(73) Trimble Inc.
(72) Chen, Xiaoming
Nardo, Andrea

(51) G01T 1/17
(11) EP2762923
(21) EP12837075.6
(47) 07.08.2019
(87) JP2012075221
04.04.2013
(22) 28.09.2012
(54) RADIATION METER
(73) Kabushiki Kaisha Toshiba
(72) MAKINO, Shunichiro
ONODERA, Toru
SATOH, Yoshinori
KUME, Naoto
(31) 2011217997
(32) 30.09.2011
(33) Japan

(51) G01T 1/185
(11) EP2567258
(21) EP10776130.6
(47) 07.08.2019
(87) IB2010001805
10.11.2011
(22) 06.05.2010
(54) RADIOGRAPHIC IMAGING DEVICE AND DETECTOR FOR A RADIOGRAPHIC IMAGING DEVICE
(73) EOS Imaging
(72) DESAUTE, Pascal

(51) G01T 1/20
G01T 7/00
(11) EP3324212
(21) EP17199890.9
(47) 07.08.2019
(22) 03.11.2017
(54) SCINTILLATOR SEALING FOR SOLID STATE X-RAY DETECTOR
(73) General Electric Company
Teledyne Digital Imaging, Inc.
Teledyne Dalsa B.V.
(72) JACOB, Biju
YANOFF, Brian David
HENNESSY, William Andrew
SHAW, Jeffrey Jon
ALBAGLI, Douglas
DILLEN, Barthomlomeus
PETERS, Inge
VAN ARENDONK, Anton
(31) 201615354760
(32) 17.11.2016
(33) United States of America

(51) G01T 1/24
G01T 1/20
G01T 1/29
(11) EP3014301
(21) EP14733189.6
(47) 07.08.2019
(87) EP2014063595
31.12.2014
(22) 26.06.2014
(54) SEMICONDUCTOR SCINTILLATION DETECTOR
(73) Koninklijke Philips N.V.
(72) WIECZOREK, Herfried Karl
RONDA, Cornelis Reinder
WALLENBERG, Lars Reine
MESSING, Maria Elise
HANSEN, Staffan
OEHRSTRAND, Bjoern John Andres
LINDBERG, Anna Helmi Caroline
EHRLIN, Niklas Goesta
HALLBERG, Robert Tommy
(31) 13174240
(32) 28.06.2013
(33) European Patent Office (EPO)

(51) G01T 1/29
A61B 6/00
(11) EP3153889
(21) EP16198722.7
(47) 07.08.2019
(22) 01.10.2001
(54) RADIATION DETECTION DEVICE AND RADIATION DETECTION METHOD FOR NUCLEAR MEDICAL DIAGNOSIS APPARATUS
(73) Toshiba Medical Systems Corporation
(72) OGAWA, Koichi
TAKAYAMA, Takuzo
(31) 2000304705
(32) 04.10.2000
(33) Japan

(51) G01V 1/28
G01V 1/40
G01V 1/48
(11) EP2588886
(21) EP11800007.4
(47) 07.08.2019
(87) CA2011000738
05.01.2012
(22) 23.06.2011

(54) METHOD FOR COMBINED ACTIVE SOURCE AND PASSIVE SEISMIC IMAGING FOR SUBSURFACE FLUID MOVEMENT MAPPING AND FORMATION CHARACTERIZATION
(73) Acoustic Zoom, Inc.
(72) GUIGNÉ, Jacques, Y.
PACE, Nicholas, G.
GOGACZ, Adam
(31) 826078
(32) 29.06.2010
(33) United States of America

(51) G01W 1/00
G01W 1/10
(11) EP3084482
(21) EP14871254.0
(47) 07.08.2019
(87) US2014071987
25.06.2015
(22) 22.12.2014
(54) DYNAMIC STORM ENVIRONMENT ENGINE APPARATUSES, METHODS AND SYSTEMS
(73) Telvent DTN LLC
(72) MCCANN, Donald
LENNARTSON, Daniel W.
BLOCK, James H.
(31) 201361919796 P
(32) 22.12.2013
(33) United States of America

(51) G01W 1/10
G01W 1/00
(11) EP3330747
(21) EP17204810.0
(47) 07.08.2019
(22) 30.11.2017
(54) APPARATUS, METHOD, AND COMPUTER PROGRAM PRODUCT FOR PROVIDING A METOCEAN FORECAST
(73) Offshore Navigation Limited
(72) DOKKEN, Sverre
ERIKSSON, Leif
LEMMENS, Kris
JONASSON, Lars
(31) 16201572
(32) 30.11.2016
(33) European Patent Office (EPO)

(51) G01W 1/16
G01W 1/02
G01R 29/08
G01S 13/95
(11) EP3379301
(21) EP18164597.9
(47) 07.08.2019
(22) 16.01.2013
(54) USING LIGHTNING DATA TO GENERATE PROXY REFLECTIVITY DATA
(73) Earth Networks, Inc.
(72) LIU, Chonglin
MARSHALL, Robert, S.
NOVAKOVSKAIA, Elena
SLOOP, Christopher, Dale
(31) 201261588087 P
(32) 18.01.2012
(33) United States of America

(51) G02B 3/00
(11) EP2639605
(21) EP12159744.7
(47) 07.08.2019
(22) 15.03.2012
(54) Lens-based image augmenting optical window with intermediate real image
(73) BlackBerry Limited
(72) Koenig, Jens

(51) G02B 3/00
F21V 5/00
F21V 15/00
H01L 33/58
(11) EP2443488
(21) EP10789741.5
(47) 07.08.2019
(87) KR2010003927
23.12.2010
(22) 17.06.2010
(54) LIGHT EXTRACTION MEMBER AND ORGANIC LIGHT EMITTING DIODE INCLUDING THE SAME
(73) LG Display Co., Ltd.
(72) KIM, Yune-Hyoun
HAN, Sang-Choll
(31) 20090053956
20100057596
(32) 17.06.2009
17.06.2010
(33) Korea (Republic)
Korea (Republic)

(51) G02B 3/06
G02B 26/12
G02B 1/04
B29C 45/27
B29D 11/00
B29L 11/00
B29L 31/00
(11) EP2813341
(21) EP13746350.1
(47) 07.08.2019
(87) JP2013051352
15.08.2013
(22) 23.01.2013
(54) OPTICAL ELEMENT AND OPTICAL SCANNING DEVICE
(73) Konica Minolta, Inc.
(72) NAITO, Atsushi
TAKAGI, Horoshi
HARA, Shinichiro
MAJIMA, Toshiyuki
KANEKO, Naoki
ARAKAWA, Takao
(31) 2012025661
(32) 09.02.2012
(33) Japan

(51) G02B 5/20
G02B 27/10
(11) EP2588900
(21) EP11801454.7
(47) 07.08.2019
(87) US2011042705
05.01.2012
(22) 30.06.2011
(54) OPTICAL DEMULTIPLEXING SYSTEM
(73) Newport Corporation
(72) KNAPP, Jamie
(31) 360560 P
(32) 01.07.2010
(33) United States of America

(51) G02B 6/30
G02B 6/42
G02B 6/26
(11) EP3218750
(21) EP15864298.3
(47) 07.08.2019
(87) US2015059426
07.07.2016
(22) 06.11.2015
(54) ADIABATIC OPTICAL COUPLING SYSTEMS
(73) Corning Optical Communications LLC
(72) COLLIER, Adam Kent
GENG, Ying
LI, Ming-Jun
(31) 201462079045 P
(32) 13.11.2014
(33) United States of America

(51) G02B 6/38
G02B 6/42
(11) EP2700992
(21) EP12181763.9
(47) 07.08.2019
(22) 24.08.2012
(54) Fibre Optic Connector
(73) Ridgemount Technologies Limited
(72) Limbert, Mark, John
Peters, Christopher, Russel

(51) G02B 6/42
(11) EP2997405
(21) EP14797225.1
(47) 07.08.2019
(87) US2014037801
20.11.2014
(22) 13.05.2014
(54) COMPACT MULTI-CHANNEL OPTICAL TRANSCEIVER MODULE
(73) Applied Optoelectronics, Inc.
(72) WANG, Yi,
HO, I-Lung,
LII, Justin,
(31) 201313893802
(32) 14.05.2013
(33) United States of America

(51) G02B 6/42
G02B 6/293
(11) EP3109681
(21) EP16176153.1
(47) 07.08.2019
(22) 24.06.2016
(54) OPTICAL ASSEMBLY AND OPTICAL MODULE
(73) Huawei Technologies Co., Ltd.
(72) ZHOU, Chuang
HU, Chihao
HU, Rui
(31) 201510364009
(32) 26.06.2015
(33) China

(51) G02B 6/42
G02B 6/293
G02B 6/43
(11) EP2300862
(21) EP09798121.1
(47) 07.08.2019
(87) KR2009003922
21.01.2010
(22) 16.07.2009

(54) OPTICAL COMMUNICATION MODULE FOR OPTICAL WAVELENGTH DIVISION MULTIPLEXING
(73) Opticis Co., Ltd.
(72) SHIN, Hyun Ee
KIM, HeeDae
JEONG, WonSeok
KIM, Il
SHIN, HyunKuk
(31) 20080069294
20090063069
(32) 16.07.2008
10.07.2009
(33) Korea (Republic)
Korea (Republic)

(51) G02B 6/42
H01S 3/00
G02B 6/136
G02B 6/12
(11) EP3304153
(21) EP16725532.2
(47) 07.08.2019
(87) EP2016061996
08.12.2016
(22) 27.05.2016
(54) OPTICAL WAVEGUIDING PART
(73) Finisar Sweden AB
(72) ADAMS, David
GRANESTRAND, Per
(31) 201514730959
(32) 04.06.2015
(33) United States of America

(51) G02B 6/44
(11) EP2749920
(21) EP13405143.2
(47) 07.08.2019
(22) 30.12.2013
(54) Junction box for fibre optic cable
(73) odasys AG
(72) Illi, Walter
(31) 30012012
(32) 31.12.2012
(33) Switzerland

(51) G02B 7/08
G02B 7/12
G02B 27/01
G02B 7/04
G02B 27/00
(11) EP3264149
(21) EP17178018.2
(47) 07.08.2019
(22) 27.06.2017
(54) HEAD MOUNTED DISPLAY AND METHOD FOR CONTROLLING THE SAME
(73) LG Electronics Inc.
(72) SONG, Minwoo
SOHN, Youngwook
SIN, Mansoo
HWANG, Kyungsoo
(31) 20160081842
(32) 29.06.2016
(33) Korea (Republic)

(51) G02B 7/182
A63B 69/12
(11) EP2130082
(21) EP08713319.5
(47) 07.08.2019
(87) US2008001146
07.08.2008
(22) 29.01.2008
(54) SWIM INSTRUCTION MIRROR AND RELATED METHOD
(73) Pemberton, Charles Edward
(72) Pemberton, Charles Edward
(31) 700301
(32) 31.01.2007
(33) United States of America

(51) G02B 17/00
G02B 27/48
(11) EP3301496
(21) EP17174414.7
(47) 07.08.2019
(22) 05.06.2017
(54) AN APPARATUS FOR REDUCING COHERENCE OF A LASER BEAM
(73) Christie Digital Systems USA, Inc.
(72) ADEMA, Daniel Robert
MA, Joseph
(31) 201615281965
(32) 30.09.2016
(33) United States of America

(51) G02B 19/00
F21S 8/00
F21V 5/00
F21V 7/04
F21V 13/14
(11) EP2856236
(21) EP13762614.9
(47) 07.08.2019
(87) US2013043950
12.12.2013
(22) 03.06.2013
(54) COLLIMATION AND HOMOGENIZATION SYSTEM FOR AN LED LUMINAIRE
(73) Robe Lighting s.r.o.
(72) JURIK, Pavel
VALCHAR, Josef
(31) 201261654929 P
(32) 03.06.2012
(33) United States of America

(51) G02B 21/24
G02B 21/36
(11) EP3204813
(21) EP15771603.6
(47) 07.08.2019
(87) EP2015072661
14.04.2016
(22) 01.10.2015
(54) MICROSCOPE WITH SELF-ADAPTING IRIS DIAPHRAGM
(73) Leica Microsystems (Schweiz) AG
(72) SCHNITZLER, Harald
SCHLAFFER, Georg
(31) 102014114471
(32) 06.10.2014
(33) Germany

(51) G02B 21/26
G06K 9/32
G06T 3/40
G06T 3/60
G06T 3/00
G06T 7/00
(11) EP2976745
(21) EP14725824.8
(47) 07.08.2019
(87) US2014030970
25.09.2014
(22) 18.03.2014
(54) REFERENCING IN MULTI-ACQUISITION SLIDE IMAGING
(73) General Electric Company
(72) KENNY, Kevin Bernard
CORWIN, Alex David
(31) 201313846490
(32) 18.03.2013
(33) United States of America

(51) G02B 23/00
G02B 27/42
G02B 5/18
G02B 27/00
(11) EP2579081
(21) EP11786283.9
(47) 07.08.2019
(87) JP2011002595
01.12.2011
(22) 10.05.2011
(54) TELESCOPE OPTICAL SYSTEM AND OPTICAL DEVICE PROVIDED THEREWITH
(73) Nikon Corporation
(72) MATSUMOTO, Miho
(31) 2010117992
(32) 24.05.2010
(33) Japan

(51) G02B 26/10
G01B 11/24
(11) EP2800945
(21) EP12859167.4
(47) 07.08.2019
(87) US2012070629
27.06.2013
(22) 19.12.2012
(54) NON-CONTACT SENSOR HAVING IMPROVED LASER SPOT
(73) Perceptron, Inc.
(72) SHAW, William E.
CROWTHER, David
(31) 201113329871
(32) 19.12.2011
(33) United States of America

(51) G02B 27/01
B60K 35/00
(11) EP3385775
(21) EP16870273.6
(47) 07.08.2019
(87) JP2016078140
08.06.2017
(22) 26.09.2016
(54) HEAD-UP DISPLAY APPARATUS
(73) DENSO CORPORATION
(72) YAMAGUCHI Masayuki
NAMBARA Takahiro
(31) 2015236912
(32) 03.12.2015
(33) Japan

(51) G02B 27/01
B60K 35/00
G09F 9/00
G09G 3/20
G09G 5/00
G02B 26/02
G02B 27/00

B60R 21/015
B60Q 3/18
G02B 26/00
G06F 3/01
(11) EP3287834
(21) EP16817455.5
(47) 07.08.2019
(87) JP2016003053
05.01.2017
(22) 24.06.2016
(54) HEAD-UP DISPLAY AND MOVING BODY COMPRISING HEAD-UP DISPLAY
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) ASAI, Yosuke
(31) 2015132282
(32) 01.07.2015
(33) Japan

(51) G02B 27/01
G02B 5/23
G02B 17/08
G02B 27/00
(11) EP3004965
(21) EP14801768.4
(47) 07.08.2019
(87) US2014037494
27.11.2014
(22) 09.05.2014
(54) HEAD-WORN DISPLAY OF THE SEE-THROUGH TYPE
(73) University Of Rochester
(72) ROLLAND, Jannick P.
BAUER, Aaron
(31) 201361827033 P
(32) 24.05.2013
(33) United States of America

(51) G02B 27/01
G02B 27/22
H04N 13/00
(11) EP2905649
(21) EP14186249.0
(47) 07.08.2019
(22) 24.09.2014
(54) Head-up display apparatus
(73) LG ELECTRONICS INC.
(72) Kim, Dongwook
Ku, Minseok
Lee, Kyoung Li
Lee, Dong Ha
(31) 20140014001
(32) 07.02.2014
(33) Korea (Republic)

(51) G02B 27/01
G06F 3/01
(11) EP2898392
(21) EP13766192.2
(47) 07.08.2019
(87) US2013059204
27.03.2014
(22) 11.09.2013
(54) METHODS AND SYSTEMS FOR MAKING THE USE OF HEAD-MOUNTED DISPLAYS LESS OBVIOUS TO NON-USERS
(73) Qualcomm Incorporated
(72) FORUTANPOUR, Babak
BAKER, Daniel S.
YAMAKAWA, Devender A.
(31) 201261702623 P
201313733758
(32) 18.09.2012
03.01.2013
(33) United States of America
United States of America

(51) G02B 27/02
G02B 27/22
H04R 27/00
H04N 7/14
G02B 27/01
H04N 13/30
H04R 1/10
H04R 29/00
H04N 13/341
H04N 13/398
(11) EP2901204
(21) EP13862784.9
(47) 07.08.2019
(87) KR2013011609
19.06.2014
(22) 13.12.2013
(54) GLASSES APPARATUS AND METHOD FOR CONTROLLING GLASSES APPARATUS, AUDIO APPARATUS AND METHOD FOR PROVIDING AUDIO SIGNAL AND DISPLAY APPARATUS
(73) Samsung Electronics Co., Ltd.
(72) EOM, Ki-wan
KIM, Sang-yoon
LEE, Woo-jung
KIM, Jeong-su
(31) 20120145441
20130084031
(32) 13.12.2012
17.07.2013
(33) Korea (Republic)
Korea (Republic)

(51) G02B 27/10
G02B 19/00
(11) EP2666051
(21) EP12736070.9
(47) 07.08.2019
(87) US2012021970
26.07.2012
(22) 20.01.2012
(54) SPATIALLY COMBINED LASER ASSEMBLY AND METHOD OF COMBINING LASER BEAMS
(73) Coherent, Inc.
(72) KOENNING, Tobias
(31) 201161434574 P
(32) 20.01.2011
(33) United States of America

(51) G02B 27/22
H04N 13/393
(11) EP3422084
(21) EP17179106.4
(47) 07.08.2019
(22) 30.06.2017
(54) DEVICES AND METHODS FOR DISPLAYING A THREE-DIMENSIONAL IMAGE
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
(72) KÍRÍSKEN,, Barbaros

(51) G02C 7/04
G02C 7/08
A61F 2/16
(11) EP3004972
(21) EP14732757.1
(47) 07.08.2019
(87) US2014039516
04.12.2014
(22) 27.05.2014
(54) APPARATUS FOR PROGRAMMING AN ENERGIZABLE OPHTHALMIC LENS WITH A PROGRAMMABLE MEDIA INSERT
(73) Johnson & Johnson Vision Care Inc.
(72) PUGH, Randall B.
PUTT, Karson S.
HIGHAM, Camille
SNOOK, Sharika
(31) 201313905767
(32) 30.05.2013
(33) United States of America

(51) G02F 1/1333
(11) EP2913707
(21) EP15156789.8
(47) 07.08.2019
(22) 26.02.2015
(54) Rear Chassis for a Curved Panel Display
(73) Samsung Electronics Co., Ltd
(72) Ahn, Joon Seok
(31) 201461946190 P
201461946166 P
20140089691
(32) 28.02.2014
28.02.2014
16.07.2014
(33) United States of America
United States of America
Korea (Republic)

(51) G02F 1/1333
(11) EP3232426
(21) EP15791471.4
(47) 07.08.2019
(87) CN2015078471
16.06.2016
(22) 07.05.2015
(54) UNIT DISPLAY SCREEN, SPLICED DISPLAY SCREEN AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
(72) DU, Zhihong
(31) 201410758370
(32) 10.12.2014
(33) China

(51) G02F 1/1333
G02F 1/13
(11) EP3299875
(21) EP17192191.9
(47) 07.08.2019
(22) 20.09.2017
(54) DISPLAY DEVICE INCLUDING AN ADHESIVE LAYER
(73) Samsung Display Co., Ltd.
(72) PARK, Eunhye
KIM, Hyangyul
KIM, Hyoungjoon
LEE, Joohyung
(31) 20160124137
(32) 27.09.2016
(33) Korea (Republic)

(51) G02F 1/1333
G02F 1/1345

(11) EP3139207
(21) EP15202336.2
(47) 07.08.2019
(22) 23.12.2015
(54) BACK COVER AND TRANSPARENT DISPLAY APPARATUS INCLUDING THE SAME
(73) LG Display Co., Ltd.
(72) KIM, JongMoo
JUNG, Jin-Hyun
(31) 20150123260
(32) 31.08.2015
(33) Korea (Republic)

(51) G02F 1/1335
(11) EP2395390
(21) EP11169626.6
(47) 07.08.2019
(22) 10.06.2011
(54) Backlight unit and display device including the same
(73) LG Innotek Co., Ltd.
(72) Lee, Hae Hyung
Kim, Bang Gun
(31) 20100055876
(32) 14.06.2010
(33) Korea (Republic)

(51) G02F 1/1335
(11) EP3309606
(21) EP17196222.8
(47) 07.08.2019
(22) 12.10.2017
(54) DISPLAY DEVICE HAVING OPTICAL SENSORS
(73) Samsung Display Co., Ltd.
(72) LEE, Dong Gyu
KANG, Jae Woong
PARK, Seung Hwan
PARK, Cheol Woo
JANG, Yong Jun
HWANG, Young Soo
(31) 20160133016
(32) 13.10.2016
(33) Korea (Republic)

(51) G02F 1/1335
F21S 2/00
G02F 1/13
G02F 1/13357
F21Y 101/00
(11) EP3086169
(21) EP14871610.3
(47) 07.08.2019
(87) JP2014064994
25.06.2015
(22) 05.06.2014
(54) HEAD-UP DISPLAY
(73) Toppan Printing Co., Ltd.
(72) YOSHIDA, Tetsushi
YAMAGUCHI, Minoru
OHSAWA, Kazuhiko
KUSUNO, Tetsuya
(31) 2013261640
(32) 18.12.2013
(33) Japan

(51) G02F 1/1345
(11) EP3009884
(21) EP15189365.8
(47) 07.08.2019
(22) 12.10.2015
(54) FLAT PANEL DISPLAY WITH NARROW BEZEL AREA
(73) LG Display Co., Ltd.
(72) SHIN, Seunghwan
JO, Jaehyung
(31) 20140137901
(32) 13.10.2014
(33) Korea (Republic)

(51) G02F 1/1347
G09G 3/34
G09G 3/20
H04N 9/31
(11) EP2238504
(21) EP09705348.2
(47) 07.08.2019
(87) US2009032087
06.08.2009
(22) 27.01.2009
(54) DISPLAY WITH TWO BINARY SPATIAL LIGHT MODULATORS
(73) Dolby Laboratories Licensing Corporation
(72) WARD, Gregory J.
DAMBERG, Gerwin
SEETZEN, Helge
(31) 21206
(32) 28.01.2008
(33) United States of America

(51) G02F 1/29
G02B 26/00
H04N 5/225
(11) EP3229069
(21) EP17164525.2
(47) 07.08.2019
(22) 03.04.2017
(54) VEHICLE CAMERA
(73) LG Electronics Inc.
(72) Kim, Jooyoung
Kim, Hun
Lee, Wonsuk
(31) 20160042973
(32) 07.04.2016
(33) Korea (Republic)

(51) G02F 1/35
G02F 1/377
(11) EP3299884
(21) EP16382440.2
(47) 07.08.2019
(22) 21.09.2016
(54) TUNABLE MONOLITHIC, CAVITY-BASED, FREQUENCY CONVERTER
(73) Fundació Institut de Ciències Fotòniques
Institució Catalana De Recerca I Estudis Avançats (ICREA)
(72) ZIELINSKA, Joanna, A.
MITCHELL, Morgan, W.

(51) G02F 3/02
G02F 1/01
G02F 1/025
(11) EP3304193
(21) EP16727465.3
(47) 07.08.2019
(87) EP2016062476
08.12.2016
(22) 02.06.2016
(54) DEVICES, IN PARTICULAR OPTICAL OR ELECTRO-OPTICAL DEVICES WITH QUANTIZED OPERATION
(73) Karlsruher Institut für Technologie
(72) EMBORAS, Alexandros
LEUTHOLD, Jürg
SCHIMMEL, Thomas
(31) 15170731
(32) 04.06.2015
(33) European Patent Office (EPO)

(51) G03B 17/56
(11) EP3236311
(21) EP16020213.1
(47) 07.08.2019
(22) 02.06.2016
(54) STABLE AND CONTROLLABLE SHOOTING APPARATUS
(73) Guilin Feiyu Technology Corporation Ltd.
(72) Wei, Chengyun
(31) 201610247742
201620335020 U
(32) 20.04.2016
20.04.2016
(33) China
China

(51) G03B 21/26
H04N 9/31
G03B 21/00
(11) EP1851588
(21) EP06748189.5
(47) 07.08.2019
(87) US2006003707
05.10.2006
(22) 01.02.2006
(54) LASER PROJECTION WITH OBJECT FEATURE DETECTION
(73) Laser Projection Technologies, Inc.
(72) KAUFMAN, Steven, P.
SAVIKOVSKY, Arkady
CHAGARIS, Christopher, C.
STAVE, Joel
(31) 649241 P
(32) 01.02.2005
(33) United States of America

(51) G03F 7/00
(11) EP3347769
(21) EP16763794.1
(47) 07.08.2019
(87) EP2016071268
16.03.2017
(22) 09.09.2016
(54) METHOD FOR SELECTIVE ETCHING OF A BLOCK COPOLYMER
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) POSSEME, Nicolas
SARRAZIN, Aurélien
(31) 1558483
(32) 11.09.2015
(33) France

(51) G03F 7/004
G03F 7/00
G03F 7/32
B82Y 10/00
(11) EP2784587
(21) EP12851615.0
(47) 07.08.2019
(87) JP2012079784
30.05.2013
(22) 16.11.2012

(54) METHOD FOR PRODUCING MOLD, DEVELOPING METHOD AND PATTERN-FORMING MATERIAL
(73) ASAHI KASEI KABUSHIKI KAISHA
(72) MITAMURA, Yoshimichi
NAKATA, Takuto
(31) 2011254839
2012149834
(32) 22.11.2011
03.07.2012
(33) Japan
Japan

(51) G03F 7/075
G03F 7/40
G03F 7/004
G03F 7/039
G03F 7/11
G03F 7/32
G03F 7/38
G03F 7/20
H01L 21/027
H01L 21/311
(11) EP3214497
(21) EP17000284.4
(47) 07.08.2019
(22) 22.02.2017
(54) POSITIVE PHOTOSENSITIVE RESIN COMPOSITION, PHOTO-CURABLE DRY FILM AND METHOD FOR PRODUCING THE SAME, PATTERNING PROCESS, AND LAMINATE
(73) Shin-Etsu Chemical Co., Ltd.
(72) Takemura, Katsuya
Masashi, Iio
Hiroyuki, Urano
Takashi, Miyazaki
(31) 2016042250
(32) 04.03.2016
(33) Japan

(51) G03F 7/20
(11) EP2447777
(21) EP11182583.2
(47) 07.08.2019
(22) 23.09.2011
(54) Lithographic apparatus for transferring pattern from patterning device onto substrate, and damping method
(73) ASML Netherlands BV
(72) Butler, Hans
Oude Nijhuis, Marco
(31) 407319 P
(32) 27.10.2010
(33) United States of America

(51) G03F 7/20
(11) EP3314332
(21) EP16731124.0
(47) 07.08.2019
(87) EP2016064236
29.12.2016
(22) 21.06.2016
(54) SUPPORT APPARATUS, LITHOGRAPHIC APPARATUS AND DEVICE MANUFACTURING METHOD
(73) ASML Netherlands B.V.
(72) JEUNINK, Andre Bernardus
DE JONG, Robbert
LEENDERS, Martinus Hendrikus Antonius
PACITTI, Evelyn Wallis
POIESZ, Thomas
VAN DEN BERKMORTEL, Frank Pieter Albert
(31) 15173348
15190337
(32) 23.06.2015
19.10.2015
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G03F 7/20
G02B 17/06
(11) EP2513697
(21) EP10792877.2
(47) 07.08.2019
(87) EP2010068782
23.06.2011
(22) 03.12.2010
(54) IMAGING OPTICS
(73) Carl Zeiss SMT GmbH
(72) MANN, Hans-Jürgen
ENDRES, Martin
SHAFER, David
WARM, Berndt
HERKOMMER, Alois
(31) 286066 P
(32) 14.12.2009
(33) United States of America

(51) G03F 7/20
H01L 21/683
(11) EP2875404
(21) EP13730902.7
(47) 07.08.2019
(87) EP2013063210
23.01.2014
(22) 25.06.2013
(54) ELECTROSTATIC CLAMP, LITHOGRAPHIC APPARATUS AND METHOD
(73) ASML Netherlands B.V.
(72) HILBERS, Alex
(31) 201261672515 P
(32) 17.07.2012
(33) United States of America

(51) G03F 7/42
C23G 5/024
(11) EP2718767
(21) EP12730429.3
(47) 07.08.2019
(87) EP2012061037
13.12.2012
(22) 11.06.2012
(54) COMPOSITION OF SOLUTIONS AND CONDITIONS FOR USE ENABLING THE STRIPPING AND COMPLETE DISSOLUTION OF PHOTORESISTS
(73) Technic France
(72) DAVIOT, Jérôme
VERNIN, Philippe
(31) 1101779
(32) 09.06.2011
(33) France

(51) G03G 9/08
G03G 9/087
G03G 9/10
G03G 15/01
G03G 9/097
(11) EP3095009
(21) EP15737477.8
(47) 07.08.2019
(87) JP2015050567
23.07.2015
(22) 06.01.2015
(54) TONER FOR ELECTROPHOTOGRAPHY, IMAGE FORMING METHOD, AND PROCESS CARTRIDGE
(73) Ricoh Company, Ltd.
(72) NAKAJIMA, Hisashi
SUZUKI, Kazumi
NAGAYAMA, Masashi
YAMADA, Saori
YAMAUCHI, Yoshitaka
NAITO, Yu
SEKIGUCHI, Yoshitaka
(31) 2014006454
(32) 17.01.2014
(33) Japan

(51) G03G 9/093
(11) EP3260919
(21) EP17176494.7
(47) 07.08.2019
(22) 16.06.2017
(54) TONER COMPOSITIONS COMPRISING CRYSTALLINE POLYESTER AND WAX
(73) Xerox Corporation
(72) VEREGIN, Richard P.N.
FARRUGIA, Valerie M.
LEE, Frank Ping-Hay
D'AMATO, Michael J.
HAWKINS, Michael S.
ZWARTZ, Edward G.
WANG, Yulin
SHEIK-QASIM, Abdisamed
GARDNER, Sandra J.
(31) 201615187475
(32) 20.06.2016
(33) United States of America

(51) G03G 15/00
(11) EP2821856
(21) EP14151189.9
(47) 07.08.2019
(22) 14.01.2014
(54) Image forming apparatus and method of supplying power thereof
(73) HP Printing Korea Co., Ltd.
(72) Choi, Sung-kyu
(31) 20130077918
(32) 03.07.2013
(33) Korea (Republic)

(51) G03G 15/00
(11) EP2818934
(21) EP14172971.5
(47) 07.08.2019
(22) 18.06.2014
(54) Medium discharge device and image forming apparatus
(73) Oki Data Corporation
(72) Furusawa, Yasunori
(31) 2013133707
(32) 26.06.2013
(33) Japan

(51) G03G 15/00
G06F 3/12
(11) EP3104228
(21) EP16172460.4
(47) 07.08.2019
(22) 01.06.2016

(54) METHOD FOR SCHEDULING A RELOAD OF SUPPLY MATERIAL IN A PRINTING SYSTEM
(73) OCE-TECHNOLOGIES B.V.
(72) HOWARD, William E.P.P.
VAN BAKEL, Roel W.A.
(31) 15171459
(32) 10.06.2015
(33) European Patent Office (EPO)

(51) G03G 15/08
(11) EP3239780
(21) EP15872501.0
(47) 07.08.2019
(87) JP2015081568
30.06.2016
(22) 10.11.2015
(54) TONER CONTAINER AND IMAGE FORMING APPARATUS
(73) Kyocera Document Solutions Inc.
(72) MORITA, Takashi
(31) 2014261890
(32) 25.12.2014
(33) Japan

(51) G03G 15/08
(11) EP3287850
(21) EP17158623.3
(47) 07.08.2019
(22) 01.03.2017
(54) TONER CASE AND IMAGE FORMING APPARATUS
(73) Kyocera Document Solutions Inc.
(72) ETO, Daisuke
(31) 2016165715
(32) 26.08.2016
(33) Japan

(51) G03G 15/08
G03G 21/18
G03G 15/00
(11) EP1942380
(21) EP08100098.6
(47) 07.08.2019
(22) 04.01.2008
(54) Apparatus and method for storing information on toner usage
(73) HP Printing Korea Co., Ltd.
(72) Lee, Il-su
Kim, Yong-geun
Jo, Hae-seog
Lee, Chang-bok
Lim, Young-kak
(31) 20070001713
(32) 05.01.2007
(33) Korea (Republic)

(51) G03G 15/08
G03G 21/18
G03G 21/16
(11) EP3392717
(21) EP18167067.0
(47) 07.08.2019
(22) 10.06.2016
(54) REPLACEABLE UNIT FOR AN ELECTROPHOTOGRAPHIC IMAGE FORMING DEVICE HAVING POSITIONING FEATURES FOR ELECTRICAL CONTACTS
(73) Lexmark International, Inc.
(72) PAYNE, Jeremy Keith
TRIPLETT, Edward Lynn
(31) 201514854298
(32) 15.09.2015
(33) United States of America

(51) G03G 15/11
(11) EP3161559
(21) EP14733667.1
(47) 07.08.2019
(87) EP2014063879
07.01.2016
(22) 30.06.2014
(54) PRINT BLANKET TEMPERATURE CONTROL
(73) HP Indigo B.V.
(72) PORTNOY, Vitaly
ASSENHEIMER, Michel
LAVON, Amiran

(51) G03G 15/20
(11) EP2261755
(21) EP10165470.5
(47) 07.08.2019
(22) 10.06.2010
(54) Image forming apparatus
(73) Canon Kabushiki Kaisha
(72) Fukuzawa, Daizo
Imaizumi, Tooru
Yoshioka, Mahito
Sato, Noriaki
Kurata, Munehito
Kasuga, Kuniaki
Ikeda, Yoshimichi
Kumada, Hiromitsu
Koyama, Satoru
Kitamura, Toshifumi
Mori, Atsunobu
(31) 2009140246
2009140247
(32) 11.06.2009
11.06.2009
(33) Japan
Japan

(51) G03G 15/20
(11) EP3220203
(21) EP17161605.5
(47) 07.08.2019
(22) 17.03.2017
(54) DISCHARGE MEMBER, CHARGE ELIMINATING DEVICE INCLUDING THE SAME, AND IMAGE FORMING APPARATUS
(73) Kyocera Document Solutions Inc.
(72) Shimizu, Tamotsu
Itani, Hiroka
Tamaki, Kenichi
(31) 2016055860
(32) 18.03.2016
(33) Japan

(51) G03G 21/04
G06F 21/46
H04N 1/00
H04N 1/44
(11) EP2533513
(21) EP12004226.2
(47) 07.08.2019
(22) 01.06.2012
(54) Device capable of extracting two-dimensional code, and method and program thereof
(73) Canon Kabushiki Kaisha
(72) Kakutani, Naoya
(31) 2011128396
(32) 08.06.2011
(33) Japan

(51) G03G 21/18
(11) EP3258323
(21) EP17174963.3
(47) 07.08.2019
(22) 08.06.2017
(54) ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS
(73) CANON KABUSHIKI KAISHA
(72) INABA, Yuichiro
SUZUKI, Tetsuji
ITO, Yoshihiro
MURAKAMI, Ryuta
(31) 2016118182
(32) 14.06.2016
(33) Japan

(51) G03G 21/18
G03G 15/08
(11) EP3242164
(21) EP17170760.7
(47) 07.08.2019
(22) 14.06.2013
(54) CARTRIDGE, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS
(73) Canon Kabushiki Kaisha
(72) SATO, Masaaki
YAMASHITA, Masatoshi
NISHIYA, Satoshi
KANNO, Kazuhiko
(31) 2012135835
(32) 15.06.2012
(33) Japan

(51) G04B 3/04
(11) EP3418814
(21) EP18174566.2
(47) 07.08.2019
(22) 28.05.2018
(54) PUSH-CROWN CONTROL DEVICE FOR A COMPACT PORTABLE OBJECT
(73) ETA SA Manufacture Horlogère Suisse
(72) Lagorgette, Pascal
Schmutz, Damien
Balmer, Raphaël
Zanesco, Vittorio
(31) 17177642
(32) 23.06.2017
(33) European Patent Office (EPO)

(51) G04B 17/06
G04B 17/22
(11) EP2707777
(21) EP12719402.5
(47) 07.08.2019
(87) EP2012058574
15.11.2012
(22) 09.05.2012
(54) SILICON SPIRAL SPRING FOR A MECHANICAL WATCH
(73) Lvmh Swiss Manufactures SA
(72) CORTHESY, Yves
(31) 784112011
(32) 09.05.2011
(33) Switzerland

(51) G04B 17/32

G04B 17/34
(11) EP3032353
(21) EP14197478.2
(47) 07.08.2019
(22) 11.12.2014
(54) Detachable stud support
(73) ETA SA Manufacture Horlogère Suisse
(72) Christan, Julien
Kaelin, Laurent
Wyssbrod, Baptist

(51) G04B 37/14
(11) EP2672337
(21) EP12171027.1
(47) 07.08.2019
(22) 06.06.2012
(54) REMOVABLE, PIVOTING ATTACHMENT DEVICE FOR WATCH STRAP
(73) Glashütter Uhrenbetrieb GmbH
(72) Gammel, Christian

(51) G04C 17/00
G04B 13/02
(11) EP2919077
(21) EP15156373.1
(47) 07.08.2019
(22) 24.02.2015
(54) DEVICE FOR DRIVING AN ANALOGUE INDICATOR, IN PARTICULAR A DATE RING
(73) ETA SA Manufacture Horlogère Suisse
(72) Wyssbrod, Baptist
Christan, Julien
(31) 14158625
(32) 10.03.2014
(33) European Patent Office (EPO)

(51) G04G 3/00
G01R 11/00
G01R 11/64
G01R 21/00
G04G 5/00
G04C 15/00
G04G 9/00
G04R 20/00
G04R 20/14
(11) EP2937743
(21) EP12890340.8
(47) 07.08.2019
(87) JP2012083270
26.06.2014
(22) 21.12.2012
(54) ELECTRICAL ENERGY CONSUMPTION TARGET DISPLAY DEVICE
(73) Nihon Techno Co., Ltd.
(72) UMAMOTO, Eiichi

(51) G05B 9/02
G06F 21/55
H04L 29/06
(11) EP3195066
(21) EP15837567.5
(47) 07.08.2019
(87) IL2015050890
10.03.2016
(22) 03.09.2015
(54) NON-DISRUPTIVE DDOS TESTING
(73) MAZEBOLT TECHNOLOGIES LTD.
(72) ANDRIANI, Matthew
(31) 201462046929 P
201562183561 P
(32) 06.09.2014
23.06.2015
(33) United States of America
United States of America

(51) G05B 9/03
B60W 50/023
G05B 19/406
(11) EP2693278
(21) EP13003139.6
(47) 07.08.2019
(22) 20.06.2013
(54) Method for efficiently securing the safety-critical functions of a control device and control device
(73) AUDI AG
(72) Wender, Stefan
Kleinsorge, Alexander
(31) 102012015272
(32) 31.07.2012
(33) Germany

(51) G05B 9/03
G06F 11/07
G06F 11/20
(11) EP2849005
(21) EP12876411.5
(47) 07.08.2019
(87) JP2012062003
14.11.2013
(22) 10.05.2012
(54) STANDBY DUAL REDUNDANT SYSTEM
(73) Mitsubishi Electric Corporation
(72) NOMURA Akihiro

(51) G05B 13/04
(11) EP2778806
(21) EP14160227.6
(47) 07.08.2019
(22) 17.03.2014
(54) Deterministic optimization based control system and method for linear and non-linear systems
(73) Rockwell Automation Technologies, Inc.
(72) Sayyarrodsari, Bijan
Kolinksky, Jan
Hanzlik, Jiri
Horacek, Petr
Liano, Kadir
(31) 201313838315
(32) 15.03.2013
(33) United States of America

(51) G05B 13/04
(11) EP3232279
(21) EP17172897.5
(47) 07.08.2019
(22) 21.09.2006
(54) METHOD OF CONTROLLING PROPERTIES IN MULTIMODAL SYSTEMS
(73) Union Carbide Chemicals & Plastics Technology LLC
(72) PARRISH, John, R.
NELSON, Mark, L.

(51) G05B 15/00
(11) EP3370123
(21) EP18167031.6
(47) 07.08.2019
(22) 09.02.2016
(54) SYSTEM AND METHOD FOR CONTROLLING FOOD PROCESSING STEPS OF A MULTI-FUNCTION COOKING APPARATUS AND FOOD PROCESSING STEPS OF REMOTE KITCHEN APPLIANCES
(73) Vorwerk & Co. Interholding GmbH
(72) Könnings, Maximilian
Hilgers, Stefan
Resende, Maria Jose
Hackert, Georg
Ganns, Julius

(51) G05B 19/00
(11) EP3279748
(21) EP17169479.7
(47) 07.08.2019
(22) 04.05.2017
(54) METHOD AND DEVICE FOR CONTROLLING A MILLER
(73) Dr. Johannes Heidenhain GmbH
(72) KOHLER, Frieder
(31) 102016214228
(32) 02.08.2016
(33) Germany

(51) G05B 19/02
F24F 11/00
G05B 15/02
G05D 23/19
F24F 11/30
(11) EP3215898
(21) EP14905319.1
(47) 07.08.2019
(87) CN2014090153
12.05.2016
(22) 03.11.2014
(54) THERMOSTAT HAVING CONFIGURABLE INTERFACE CONNECTIONS
(73) Siemens Schweiz AG
(72) SCHULER, Michael S.
LI, Pei Jin
DING, Zhan Jun
FENSKE, William J.

(51) G05B 19/042
G01F 1/32
(11) EP3084534
(21) EP14805815.9
(47) 07.08.2019
(87) EP2014075450
25.06.2015
(22) 25.11.2014
(54) PROCESS AUTOMATION FIELD DEVICE
(73) Endress+Hauser Flowtec AG
(72) HÖCKER, Rainer
CARR, Michael
(31) 102013114195
(32) 17.12.2013
(33) Germany

(51) G05B 19/042
G05B 9/02
(11) EP3455681
(21) EP17729097.0
(47) 07.08.2019
(87) EP2017063854
14.12.2017
(22) 07.06.2017
(54) FIELDBUS MODULE AND METHOD FOR OPERATING A FIELDBUS SYSTEM

(73) Beckhoff Automation GmbH
(72) SACHS, Jens
RETTIG, Thomas
POHL, Christopher
(31) 102016110641
(32) 09.06.2016
(33) Germany

(51) G05B 19/042
G06F 9/445
(11) EP2062105
(21) EP07801780.3
(47) 07.08.2019
(87) EP2007007342
20.03.2008
(22) 21.08.2007
(54) SYSTEM AND METHOD FOR FUNCTIONALIZATION IN LINE WITH DEMAND, FOR CONTROL AND REGULATORY DEVICES
(73) ABB AG
(72) HERMANN, Wolfgang
(31) 102006044182
(32) 15.09.2006
(33) Germany

(51) G05B 19/05
G06F 21/52
(11) EP3361332
(21) EP17196462.0
(47) 07.08.2019
(22) 13.10.2017
(54) SYSTEM AND METHOD OF MONITORING OF THE EXECUTION SYSTEM OF A PROGRAMMABLE LOGIC CONTROLLER
(73) AO Kaspersky Lab
(72) DYAKIN, Pavel V.
KULAGIN, Dmitry A.
(31) 2017104131
201715715258
(32) 08.02.2017
26.09.2017
(33) Russian Federation
United States of America

(51) G05B 19/402
B23Q 15/22
B23Q 17/24
B25J 19/02
B21J 15/28
B23K 11/11
B23K 11/31
B21J 15/10
B25J 13/08
B23K 11/25
(11) EP3045989
(21) EP15151387.6
(47) 07.08.2019
(22) 16.01.2015
(54) RIVETING APPARATUS
(73) Comau S.p.A.
(72) Di Stefano, Giovanni
Navarria, Filippo

(51) G05B 19/404
B30B 15/28
(11) EP2762987
(21) EP14152803.4
(47) 07.08.2019
(22) 28.01.2014
(54) Method for increasing the fail safety of a feed axle and axle control device
(73) Otto Bihler Handels-Beteiligungs-GmbH
(72) Muche, Norbert
(31) 102013201751
(32) 04.02.2013
(33) Germany

(51) G05B 19/4099
G06F 17/50
H04R 1/00
H04R 1/30
G10K 11/02
(11) EP2493210
(21) EP12156119.5
(47) 07.08.2019
(22) 16.08.2010
(54) Automated customization of loudspeaker horns
(73) Bose Corporation
(72) Ickler, Christopher B.
Henricksen, Clifford A.
Mochimaru, Akira
Jacob, Kenneth D.
Hayashi, Soichiro
(31) 557885
(32) 11.09.2009
(33) United States of America

(51) G05B 19/4155
(11) EP2677379
(21) EP13172920.4
(47) 07.08.2019
(22) 19.06.2013
(54) Control method, control program and controller of numerical control machine tool
(73) Mitutoyo Corporation
(72) Michiwaki, Hirokazu
(31) 2012138838
(32) 20.06.2012
(33) Japan

(51) G05B 19/418
G05B 19/042
H04L 12/40
H04L 12/24
(11) EP2804063
(21) EP14167205.5
(47) 07.08.2019
(22) 06.05.2014
(54) Master device of process field bus decentralized periphery
(73) LSIS Co., Ltd.
(72) Cho, Duk Yun
(31) 20130053594
(32) 13.05.2013
(33) Korea (Republic)

(51) G05B 19/418
G06K 19/06
G06Q 30/06
(11) EP2923245
(21) EP13792598.8
(47) 07.08.2019
(87) EP2013003442
30.05.2014
(22) 14.11.2013
(54) SYSTEM FOR PROVIDING AN INDIVIDUALLY CONFIGURED SAFETY SWITCHING RELAY
(73) Phoenix Contact GmbH & Co. KG
(72) SCHLETTE, Steffen
HÜTTEMEIER, Thomas
(31) 102012022838
(32) 23.11.2012
(33) Germany

(51) G05B 19/418
H02J 13/00
(11) EP2897005
(21) EP13836513.5
(47) 07.08.2019
(87) JP2013072238
20.03.2014
(22) 21.08.2013
(54) CONTROL DEVICE, CONTROL SYSTEM, CONTROL METHOD, PROGRAM, AND MEDIUM FOR RECORDING SAME
(73) Omron Corporation
(72) KAWAI, Wakahiro
(31) 2012201976
(32) 13.09.2012
(33) Japan

(51) G05B 19/418
H04L 12/24
H04L 12/403
G05B 19/05
(11) EP2801877
(21) EP14164139.9
(47) 07.08.2019
(22) 10.04.2014
(54) PLC communication system
(73) JTEKT CORPORATION
TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) Senda, Terukazu
Kato, Satoshi
Aono, Toshio
Kamauchi, Toshiyuki
Ido, Masanori
(31) 2013097451
(32) 07.05.2013
(33) Japan

(51) G05B 23/02
(11) EP2813912
(21) EP13172021.1
(47) 07.08.2019
(22) 14.06.2013
(54) Fault tolerant industrial automation control system
(73) ABB Schweiz AG
(72) Ferranti, Ettore
Oriol, Manuel
Wahler, Michael
de Gooijer, Thijmen
Gamer, Thomas

(51) G05B 23/02
F01D 25/00
F02C 7/00
F02C 9/00
F01D 21/00
F02C 3/04
F02C 7/04
(11) EP3130976
(21) EP15837331.6
(47) 07.08.2019
(87) JP2015068691
10.03.2016
(22) 29.06.2015
(54) FAILURE DETECTION DEVICE
(73) IHI Corporation
(72) MASUDA, Kouichi

FURUKAWA, Hiroyuki
KINOSHITA, Moe
(31) 2014176840
(32) 01.09.2014
(33) Japan

(51) G05B 23/02
G05B 13/04
G05B 17/02
G06F 17/50
(11) EP3208678
(21) EP17157091.4
(47) 07.08.2019
(22) 21.02.2017
(54) METHOD FOR DETERMINING AIRCRAFT SENSOR FAILURE WITHOUT A REDUNDANT SENSOR AND CORRECT SENSOR MEASUREMENT WHEN REDUNDANT AIRCRAFT SENSORS GIVE INCONSISTENT READINGS
(73) Hamilton Sundstrand Corporation
(72) HAGGERTY, Nathan
HO, Tony
(31) 201615049562
(32) 22.02.2016
(33) United States of America

(51) G05D 1/00
B60W 50/16
B60N 2/00
B60N 2/20
G08B 21/06
B60N 2/90
(11) EP3343306
(21) EP17210624.7
(47) 07.08.2019
(22) 27.12.2017
(54) OCCUPANT-STATUS PREDICTION SYSTEM
(73) Faurecia Automotive Seating, LLC
(72) Zhao, Ying (Carolyn)
Perraut, John M.
Dexter, Brian R.
Hotary, James T.
Benson, Matthew K.
(31) 201662439550 P
(32) 28.12.2016
(33) United States of America

(51) G05D 1/02
A01D 34/00
(11) EP3073344
(21) EP16161631.3
(47) 07.08.2019
(22) 22.03.2016
(54) CONTROL APPARATUS FOR AUTONOMOUSLY NAVIGATING UTILITY VEHICLE
(73) HONDA MOTOR CO., LTD.
(72) YAMAMURA, Makoto
KAWAKAMI, Toshiaki
(31) 2015067217
(32) 27.03.2015
(33) Japan

(51) G05D 1/02
B60K 17/30
B62D 5/04
B62D 7/02
E04H 6/18
E04H 6/24
E04H 6/30
E04H 6/36
(11) EP2770394
(21) EP14169547.8
(47) 07.08.2019
(22) 15.01.2010
(54) Automated storage system
(73) Boomerang Systems, Inc.
(72) Barwick, Stott
Swasey, Merin
Beeny, Lance
Petersen, John, A.M.
(31) 145543 P
248448 P
258006 P
(32) 17.01.2009
03.10.2009
04.11.2009
(33) United States of America
United States of America
United States of America

(51) G05D 1/02
G07C 11/00
(11) EP2765468
(21) EP14000430.0
(47) 07.08.2019
(22) 05.02.2014
(54) Method and devices for the localisation of transport robots in a heavily branched rail network
(73) Heron Innovations Factory GmbH
(72) Christian Beer
(31) 102013002366
(32) 09.02.2013
(33) Germany

(51) G05D 7/06
G01N 15/14
(11) EP3214524
(21) EP15854482.5
(47) 07.08.2019
(87) JP2015075966
06.05.2016
(22) 14.09.2015
(54) CONTROL DEVICE, CONTROL SYSTEM, ANALYSIS DEVICE, PARTICLE SORTING DEVICE, CONTROL METHOD, AND LAMINAR FLOW CONTROL PROGRAM
(73) Sony Corporation
(72) AZUMA, Hiroko
KATO, Yasunobu
OTSUKA, Fumitaka
(31) 2014221035
(32) 30.10.2014
(33) Japan

(51) G05D 11/13
C09D 11/037
C09D 11/10
C09D 165/00
B01F 13/10
B01F 15/04
H01L 51/56
(11) EP2836055
(21) EP13771764.1
(47) 07.08.2019
(87) JP2013060533
10.10.2013
(22) 05.04.2013
(54) COATING SYSTEM AND METHOD FOR MANUFACTURING LIGHT-EMITTING DEVICE
(73) SUMITOMO CHEMICAL COMPANY, LIMITED
(72) MIMA, Shoji
(31) 2012087186
(32) 06.04.2012
(33) Japan

(51) G05D 16/20
F16K 37/00
(11) EP3120207
(21) EP14724260.6
(47) 07.08.2019
(87) US2014033333
24.09.2015
(22) 08.04.2014
(54) SOLENOID VALVE ACCURACY ESTIMATION METHOD
(73) Flextronics AP, LLC
(72) SEID, David
BAJE, Ritchie
NAJMOLHODA, Hamid
(31) 201414221996
(32) 21.03.2014
(33) United States of America

(51) G05F 1/14
H02J 1/00
(11) EP2972639
(21) EP14774074.0
(47) 07.08.2019
(87) US2014025628
02.10.2014
(22) 13.03.2014
(54) SYSTEMS AND METHODS FOR BYPASSING A VOLTAGE REGULATOR
(73) Cooper Technologies Company
(72) KALUZNY, Richard, John
DALEY, Daniel, Joseph
(31) 201313829587
(32) 14.03.2013
(33) United States of America

(51) G05F 1/575
G05F 3/24
(11) EP2440985
(21) EP10728063.8
(47) 07.08.2019
(87) US2010037945
16.12.2010
(22) 09.06.2010
(54) DATA RETENTION SECONDARY VOLTAGE REGULATOR
(73) Microchip Technology Incorporated
(72) SESSIONS, D.C.
(31) 185627 P
780471
(32) 10.06.2009
14.05.2010
(33) United States of America
United States of America

(51) G05F 1/67
(11) EP2402835
(21) EP11171645.2
(47) 07.08.2019
(22) 28.06.2011
(54) A maximum-power-point tracking device for a solar electric-generation system and a tracking method for the same

(73) Byd Company Limited
(72) Yin, Shaowen
Zhang, Xiang
Yang, Rongchun
(31) 201010219102
(32) 30.06.2010
(33) China

(51) G05F 1/67
(11) EP2771754
(21) EP12843622.7
(47) 07.08.2019
(87) US2012061765
02.05.2013
(22) 25.10.2012
(54) POWER CONDITIONING CIRCUIT TO MAXIMIZE POWER DELIVERED BY A NON-LINEAR GENERATOR
(73) Cameron, D. Kevin
(72) Cameron, D. Kevin
(31) 201161550922 P
(32) 25.10.2011
(33) United States of America

(51) G05F 3/30
G01K 7/00
H02M 3/07
(11) EP3176670
(21) EP16199954.5
(47) 07.08.2019
(22) 22.11.2016
(54) REFERENCE VOLTAGE GENERATOR HAVING AT LEAST ONE BIPOLAR JUNCTION TRANSISTOR BIASED BY NEGATIVE BASE VOLTAGE AND ASSOCIATED REFERENCE VOLTAGE GENERATING METHOD
(73) MediaTek Inc.
(72) LIN, Ta-Hsin
(31) 201562262387 P
201615340971
(32) 03.12.2015
01.11.2016
(33) United States of America
United States of America

(51) G05G 9/047
G05G 1/58
(11) EP3115863
(21) EP16175706.7
(47) 07.08.2019
(22) 22.06.2016
(54) CONTROL ELEMENT
(73) MULAG FAHRZEUGWERK Heinz Wössner GmbH & CO. KG
(72) MÜLLER, Alfred
(31) 202015103509 U
(32) 03.07.2015
(33) Germany

(51) G06F 1/10
G06F 1/12
H03M 1/12
(11) EP2658129
(21) EP13164140.9
(47) 07.08.2019
(22) 17.04.2013
(54) Synchronization of multiple signal converters
(73) Analog Devices, Inc.
(72) Getzin, Lawrence
Minciunescu, Petre
(31) 201213453401
(32) 23.04.2012
(33) United States of America

(51) G06F 1/16
A45C 11/00
(11) EP3387509
(21) EP16805724.8
(47) 07.08.2019
(87) EP2016001991
15.06.2017
(22) 25.11.2016
(54) HOUSING FOR AN ELECTRONIC DEVICE
(73) Testo SE & Co. KGaA
(72) DERR, Andreas
(31) 102015015707
(32) 07.12.2015
(33) Germany

(51) G06F 1/16
G06F 1/18
H05K 7/14
(11) EP2689314
(21) EP12760868.5
(47) 07.08.2019
(87) US2012029826
27.09.2012
(22) 20.03.2012
(54) SHELF-MOUNTED MODULAR COMPUTING UNIT
(73) Amazon Technologies, Inc.
(72) ROSS, Peter, G.
FRINK, Darin, Lee
(31) 201113069099
(32) 22.03.2011
(33) United States of America

(51) G06F 1/16
G06F 3/041
G06K 9/00
G06F 3/042
G06K 9/22
H05K 5/00
H05K 9/00
G06F 3/0354
(11) EP3410252
(21) EP18174865.8
(47) 07.08.2019
(22) 29.05.2018
(54) ELECTRONIC DEVICE INCLUDING MODULE MOUNTED IN SUNKEN AREA OF LAYER
(73) Samsung Electronics Co., Ltd.
(72) Sim, Young Bae
Choi, Hyun Suk
Kim, Do Yeong
Kim, Min Chul
Lee, Sang Yup
Jung, Sung Yoon
Park, Jin Woo
Lee, Ji Woo
Lim, Yeun Wook
(31) 20170065851
(32) 29.05.2017
(33) Korea (Republic)

(51) G06F 1/16
G06F 3/044
H03K 17/955
(11) EP2769471
(21) EP12778289.4
(47) 07.08.2019
(87) EP2012070602
25.04.2013
(22) 17.10.2012
(54) ELECTRODE DEVICE FOR A CAPACITIVE SENSOR DEVICE FOR POSITION DETECTION
(73) Microchip Technology Germany GmbH
(72) BURGER, Stefan
(31) 102011054690
(32) 21.10.2011
(33) Germany

(51) G06F 1/16
G06F 3/0488
H04M 1/02
G09F 9/30
(11) EP3289424
(21) EP16786821.5
(47) 07.08.2019
(87) KR2016004607
03.11.2016
(22) 02.05.2016
(54) FLEXIBLE DEVICE
(73) Samsung Electronics Co., Ltd.
(72) KIM, Iksang
PARK, Bumsoo
KIM, Dong Hun
PARK, Seonkeun
SEO, Jooho
RYU, Jinie
(31) 20150062065
20160047958
(32) 30.04.2015
20.04.2016
(33) Korea (Republic)
Korea (Republic)

(51) G06F 1/18
G11B 33/12
H05K 7/14
(11) EP2983061
(21) EP15163731.1
(47) 07.08.2019
(22) 15.04.2015
(54) HORIZONTAL COUPLING OF VERTICALLY-ORIENTED HARD DRIVE
(73) Quanta Computer Inc.
(72) Yang, Wei-Chih
Chen, Chao-Jung
Lin, Chih-Wei
(31) 103126781
(32) 05.08.2014
(33) Taiwan, Province of China

(51) G06F 1/20
H05K 7/20
(11) EP3102994
(21) EP15705494.1
(47) 07.08.2019
(87) EP2015000202
06.08.2015
(22) 02.02.2015
(54) VENTILATION DEVICE
(73) Unify GmbH & Co. KG
(72) KRUSE, Thomas
(31) 102014001423
(32) 03.02.2014
(33) Germany

(51) G06F 1/20
H05K 7/20
(11) EP3105650

(21) EP15703026.3
(47) 07.08.2019
(87) EP2015051731
20.08.2015
(22) 28.01.2015
(54) COOLING ARRANGEMENT FOR A COMPUTER SYSTEM
(73) Fujitsu Client Computing Limited
(72) SCHUBERT, Frank
(31) 102014101898
(32) 14.02.2014
(33) Germany

(51) G06F 1/20
H05K 7/20
(11) EP3350667
(21) EP16767453.0
(47) 07.08.2019
(87) US2016050548
23.03.2017
(22) 07.09.2016
(54) BLOWER TRAY
(73) Google LLC
(72) SHAUL, Kenneth Dale
FARSHCHIAN, Soheil
BANNON, Roy Michael
CHEN, Angela
BECK, Jonathan D.
(31) 201514852989
(32) 14.09.2015
(33) United States of America

(51) G06F 1/26
G06F 13/42
H02J 7/00
G06F 1/3206
G06F 1/3215
(11) EP2988190
(21) EP14853961.2
(47) 07.08.2019
(87) KR2014009844
23.04.2015
(22) 20.10.2014
(54) COMMUNICATION TERMINAL FOR CONSTRUCTING DAISY CHAIN COMMUNICATION NETWORK WITHOUT DISTINCTION BETWEEN INPUT CONNECTOR AND OUTPUT CONNECTOR
(73) LG Chem, Ltd.
(72) PARK, Jong-Min
HEO, Jin-Seok
(31) 20130124705
(32) 18.10.2013
(33) Korea (Republic)

(51) G06F 1/32
G06F 1/04
(11) EP2546725
(21) EP12188255.9
(47) 07.08.2019
(22) 02.05.2008
(54) Power optimization when using external clock sources
(73) Microchip Technology Incorporated
(72) Phoenix, Tim
Wojewoda, Igor
Bandarupalli, Pavan Kumar
(31) 915713 P
865148
(32) 03.05.2007
01.10.2007
(33) United States of America
United States of America

(51) G06F 1/32
H03L 1/02
G06F 1/3296
G01K 13/00
G06F 1/3206
H02M 3/04
(11) EP3139244
(21) EP15189158.7
(47) 07.08.2019
(22) 09.10.2015
(54) POWER-CONTROL DEVICES
(73) VIA Alliance Semiconductor Co., Ltd.
(72) YU, Rilong
ZHOU, Yu
(31) 201510557148
(32) 02.09.2015
(33) China

(51) G06F 1/3228
G06F 1/3287
G06F 9/54
(11) EP3011408
(21) EP13887566.1
(47) 07.08.2019
(87) US2013046696
24.12.2014
(22) 20.06.2013
(54) COMPUTING DEVICE POWER STATES
(73) Hewlett-Packard Development Company, L.P.
Brooks, Robert C
Durham, Michael R
Piwonka, Mark A
Ziarnik, Gregory P
(72) BROOKS, Robert C
DURHAM, Michael R
PIWONKA, Mark A
ZIARNIK, Gregory P

(51) G06F 1/3234
G06F 1/3221
G06F 3/06
(11) EP2998830
(21) EP15185953.5
(47) 07.08.2019
(22) 18.09.2015
(54) PERFORMANCE-AWARE POWER CAPPING CONTROL OF DATA STORAGE DEVICES
(73) HGST Netherlands B.V.
(72) Khatib, Mohammed Ghiath
Le Moal, Damien Cyril Daniel
(31) 201414493304
(32) 22.09.2014
(33) United States of America

(51) G06F 3/01
A63F 13/20
A63F 13/22
A63F 13/24
A63F 13/28
(11) EP3021197
(21) EP14003834.0
(47) 07.08.2019
(22) 13.11.2014
(54) Haptic trigger modification system
(73) Immersion Corporation
(72) Rihn, William
(31) 201414538955
(32) 12.11.2014
(33) United States of America

(51) G06F 3/01
A63F 13/24
A63F 13/28
A63F 13/285
G08B 6/00
(11) EP2846230
(21) EP14184000.9
(47) 07.08.2019
(22) 08.09.2014
(54) Systems and methods for performing haptic conversion
(73) Immersion Corporation
(72) Heubel, Robert
Grant, Danny
(31) 201314022694
(32) 10.09.2013
(33) United States of America

(51) G06F 3/01
B32B 9/04
B32B 3/26
G01L 1/20
G06F 3/041
E04F 15/02
G08B 13/10
(11) EP3311369
(21) EP16744903.2
(47) 07.08.2019
(87) NL2016050410
22.12.2016
(22) 08.06.2016
(54) SYSTEM FOR FORMING A FLOOR FOR DETECTING A PRESSURE APPLIED THEREON, DEVICE FOR USE IN SUCH SYSTEM, FLOORING PROVIDED THEREWITH AND CONNECTION ELEMENT FOR THE DEVICE
(73) Tarkett B.V.
(72) WAGENAAR, Bertus Michiel
(31) 2014995
(32) 19.06.2015
(33) Netherlands

(51) G06F 3/01
G06F 3/041
G06F 3/038
G06K 9/00
G06F 3/033
(11) EP2746900
(21) EP13189490.9
(47) 07.08.2019
(22) 21.10.2013
(54) Hardware calibration of eyetracker
(73) Tobii AB
(72) Kaplan, Anders
Troili, Gunnar
Elvesjö, John
(31) 201213723647
(32) 21.12.2012
(33) United States of America

(51) G06F 3/01
G06F 3/048
G06F 9/451
(11) EP3271802
(21) EP16707282.6
(47) 07.08.2019
(87) US2016015950

22.09.2016
(22) 01.02.2016
(54) DYNAMIC ICONS FOR GESTURE DISCOVERABILITY
(73) Google LLC
(72) KAUFFMANN, Alejandro, Jose
(31) 201514660270
(32) 17.03.2015
(33) United States of America

(51) G06F 3/01
G06F 3/14
G06F 3/041
G06F 1/16
G06F 1/32
G06F 3/0488
(11) EP2859427
(21) EP12878892.4
(47) 07.08.2019
(87) IB2012003125
19.12.2013
(22) 12.06.2012
(54) ELECTRONIC DEVICE AND METHOD OF CONTROL OF DISPLAYS
(73) BlackBerry Limited
(72) CHOWDHURY, Margoob

(51) G06F 3/01
G06K 9/00
(11) EP2535787
(21) EP12004355.9
(47) 07.08.2019
(22) 08.06.2012
(54) 3D free-form gesture recognition system and method for character input
(73) Deutsche Telekom AG
(72) Berman, Sigal
Stern, Helman
Frolova, Darya
Kliche, Ingmar
Minkwitz, Johannes
Stegmann, Joachim
(31) 21351411
(32) 13.06.2011
(33) Israel

(51) G06F 3/02
(11) EP2437140
(21) EP10177483.4
(47) 07.08.2019
(22) 17.09.2010
(54) Method and apparatus pertaining to a touch typing-friendly grid-patterned keyboard
(73) BlackBerry Limited
(72) Griffin, Jason Tyler
Rak, Roman

(51) G06F 3/023
G06F 3/14
G06F 1/16
H04W 4/00
G06F 3/0488
H04M 1/725
H04W 4/12
G09G 5/12
H04W 4/02
(11) EP3098694
(21) EP16170743.5
(47) 07.08.2019
(22) 20.05.2016

(54) METHOD FOR PROCESSING INPUTS BETWEEN DEVICES AND ELECTRONIC DEVICE THEREOF
(73) Samsung Electronics Co., Ltd.
(72) PARK, Nojoon
JEON, Yongjoon
KIM, Geon-Soo
LEE, Kang-Soo
(31) 20150076159
(32) 29.05.2015
(33) Korea (Republic)

(51) G06F 3/033
(11) EP1706314
(21) EP04818087.1
(47) 07.08.2019
(87) US2004043645
14.07.2005
(22) 22.12.2004
(54) METHOD AND APPARATUS FOR DETERMINING ABSOLUTE POSITION OF A TIP OF AN ELONGATE OBJECT ON A PLANE SURFACE WITH INVARIANT FEATURES
(73) Electronic Scripting Products, Inc.
(72) BUERMANN, Dale, H.
MANDELLA, Michael J.
CARL, Stewart, R.
ZHANG, Guanghua, G.
GONZALEZ-BANOS, Hector, H.
(31) 745371
(32) 22.12.2003
(33) United States of America

(51) G06F 3/0354
G06F 3/0346
(11) EP3022623
(21) EP14741856.0
(47) 07.08.2019
(87) EP2014065415
22.01.2015
(22) 17.07.2014
(54) ELECTRONIC PEN
(73) Stabilo International GmbH
(72) KÄMPF, Karl-Peter
(31) 102013214020
(32) 17.07.2013
(33) Germany

(51) G06F 3/0354
G06F 3/038
(11) EP3321782
(21) EP16901901.5
(47) 07.08.2019
(87) CN2016099156
22.03.2018
(22) 17.09.2016
(54) SIGNAL GENERATION METHOD, SIGNAL PARSING METHOD, ACTIVE PEN AND TOUCH SCREEN
(73) Shenzhen Goodix Technology Co., Ltd.
(72) DAI, Shili

(51) G06F 3/038
H04N 5/44
G06F 3/0346
H04N 21/422
(11) EP3070953
(21) EP16161252.8
(47) 07.08.2019
(22) 18.03.2016

(54) INPUT APPARATUS, DISPLAY APPARATUS AND CONTROL METHOD
(73) Samsung Electronics Co., Ltd.
(72) CHO, Eun Nim
LIM, Woo Youl
JANG, Sung Gook
CHA, Young Ki
(31) 20150039192
(32) 20.03.2015
(33) Korea (Republic)

(51) G06F 3/041
(11) EP2669771
(21) EP13169277.4
(47) 07.08.2019
(22) 24.05.2013
(54) Mobile terminal and control method for the mobile terminal
(73) LG Electronics Inc.
(72) Park, Hyekyung
Lee, Joowoo
Kim, Hyehyun
Lee, Sunjung
(31) 20120059406
(32) 01.06.2012
(33) Korea (Republic)

(51) G06F 3/041
G06F 3/033
G06F 3/048
G06F 3/0488
H04M 1/247
(11) EP3000016
(21) EP14801404.6
(47) 07.08.2019
(87) KR2014004308
27.11.2014
(22) 14.05.2014
(54) USER INPUT USING HOVERING INPUT
(73) Samsung Electronics Co., Ltd.
(72) YIM, Sae-Mee
JEONG, Jin-Hong
HWANG, Soo-Ji
(31) 201313899273
(32) 21.05.2013
(33) United States of America

(51) G06F 3/041
G06F 3/044
H01L 27/32
H01L 51/52
(11) EP3316097
(21) EP17199482.5
(47) 07.08.2019
(22) 31.10.2017
(54) IN-CELL TOUCH ORGANIC LIGHT-EMITTING DISPLAY DEVICE
(73) LG Display Co., Ltd.
(72) CHOE, Young-Jin
CHOI, Nack-Bong
YOO, Se-Jong
HAN, Jong-Hyun
(31) 20160143980
(32) 31.10.2016
(33) Korea (Republic)

(51) G06F 3/042
(11) EP2458484
(21) EP11189254.3
(47) 07.08.2019
(22) 15.11.2011

(54) An improved input device and associated method
(73) STMicroelectronics (Research & Development) Limited
(72) Halliday, William
Stark, Laurence
(31) 201020282
(32) 30.11.2010
(33) United Kingdom

(51) G06F 3/044
(11) EP2013693
(21) EP07735481.9
(47) 07.08.2019
(87) IB2007051320
01.11.2007
(22) 12.04.2007
(54) SENSOR ARRANGEMENT
(73) Nokia Technologies Oy
(72) KARHINIEMI, Marko
MÄENPÄÄ, Jani
(31) 409517
(32) 20.04.2006
(33) United States of America

(51) G06F 3/048
(11) EP1724664
(21) EP06010200.1
(47) 07.08.2019
(22) 17.05.2006
(54) Interface for selecting icons on a display
(73) Sharp Kabushiki Kaisha
(72) Sawano, Takashi
(31) 2005146926
(32) 19.05.2005
(33) Japan

(51) G06F 3/048
(11) EP2393000
(21) EP11004514.3
(47) 07.08.2019
(22) 01.06.2011
(54) Mobile terminal capable of providing multiplayer game and method of controlling operation of the mobile terminal
(73) LG ELECTRONICS INC.
(72) Choi, Kyungdong
(31) 20100052942
20100068123
(32) 04.06.2010
14.07.2010
(33) Korea (Republic)
Korea (Republic)

(51) G06F 3/048
G06F 3/041
G06F 3/0488
G06F 1/16
(11) EP3203360
(21) EP16200416.2
(47) 07.08.2019
(22) 10.01.2013
(54) DISPLAY DEVICE, DISPLAY CONTROL METHOD, AND NON-TRANSITORY COMPUTER READABLE MEDIUM STORING DISPLAY CONTROL PROGRAM
(73) NEC Corporation
(72) Nakazawa, Yuko
(31) 2012110499
(32) 14.05.2012
(33) Japan

(51) G06F 3/048
G06F 3/042
G06F 3/0488
G06F 3/043
G06F 3/0482
(11) EP2541386
(21) EP12170879.6
(47) 07.08.2019
(22) 05.06.2012
(54) Display device with touch control feature
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
(72) Cesmeci, Mete
Tuzun, Levent
(31) 201106373
(32) 28.06.2011
(33) Turkey

(51) G06F 3/048
G06F 3/0484
(11) EP2979161
(21) EP14717199.5
(47) 07.08.2019
(87) IB2014059921
02.10.2014
(22) 18.03.2014
(54) PREFERRED VIEW GENERATION ON STRUCTURE LEVEL BASED ON USER PREFERENCES
(73) Koninklijke Philips N.V.
(72) MEYER, Carsten
FRANZ, Astrid, Ruth
STEHLE, Thomas, Heiko
WENZEL, Fabian
(31) 201361805609 P
(32) 27.03.2013
(33) United States of America

(51) G06F 3/048
G06F 21/00
G06F 3/0488
G06F 3/0482
G06F 3/0481
G06F 3/0483
(11) EP2698695
(21) EP13174706.5
(47) 07.08.2019
(22) 26.08.2008
(54) Application menu user interface
(73) Apple Inc.
(72) Chaudhri, Imran A.
Herz, Scott
Jobs, Steven
Anzures, Freddy A.
(31) 850005
(32) 04.09.2007
(33) United States of America

(51) G06F 3/0481
B60K 35/00
B60K 37/06
(11) EP3040830
(21) EP15150034.5
(47) 07.08.2019
(22) 02.01.2015
(54) User interface for a means of locomotion and method for displaying information about states of vehicle components
(73) Volkswagen AG
(72) Wild, Holger
Kötter, Nils

(51) G06F 3/0481
G06F 3/0485
G06F 3/0486
(11) EP2449453
(21) EP09846734.3
(47) 07.08.2019
(87) FI2009050583
06.01.2011
(22) 29.06.2009
(54) METHOD AND APPARATUS FOR DISPLAYING CONTENT
(73) Nokia Technologies Oy
(72) SARJANOJA, Ari-Heikki

(51) G06F 3/0481
G06F 3/0486
G06F 3/0488
(11) EP2397936
(21) EP11004634.9
(47) 07.08.2019
(22) 07.06.2011
(54) Mobile terminal and method of controlling the same
(73) LG Electronics Inc.
(72) Heo, Jeongyun
Kim, Hyoungjoo
Shin, Jungeun
Yi, Sohoon
Lee, Soohyun
Kim, Moonkyung
(31) 20100057384
20100064191
(32) 17.06.2010
05.07.2010
(33) Korea (Republic)
Korea (Republic)

(51) G06F 3/0481
G06F 3/0488
G06F 1/16
(11) EP2278430
(21) EP10166194.0
(47) 07.08.2019
(22) 16.06.2010
(54) Mobile terminal and display controlling method thereof
(73) LG ELECTRONICS INC.
(72) Cho, Eun Woo
Shin, Hyun Bin
Shin, Joon Hun
An, Young Soo
(31) 20090063955
(32) 14.07.2009
(33) Korea (Republic)

(51) G06F 3/0482
G06F 3/0488
(11) EP2555103
(21) EP12172995.8
(47) 07.08.2019
(22) 21.06.2012
(54) Information processing device, information processing method, and program
(73) Sony Corporation
(72) Murata, Yu
(31) 2011168261
(32) 01.08.2011
(33) Japan

(51) G06F 3/0484

G06F 3/0488
H04M 1/2745
H04M 1/725
(11) EP2693318
(21) EP13157902.1
(47) 07.08.2019
(22) 05.03.2013
(54) Mobile terminal and control method thereof
(73) LG Electronics Inc.
(72) Park, Jiyoung
Jang, Greg
Jung, Hayang
Kim, Sujin
(31) 20120083469
(32) 30.07.2012
(33) Korea (Republic)

(51) G06F 3/0487
G06F 1/16
G06F 3/01
G06F 3/0483
G06F 3/0488
(11) EP2989530
(21) EP14788165.0
(47) 07.08.2019
(87) US2014035500
30.10.2014
(22) 25.04.2014
(54) PASSIVE STIFFNESS AND ACTIVE DEFORMATION HAPTIC OUTPUT DEVICES FOR FLEXIBLE DISPLAYS AND CORRESPONDING METHOD
(73) Immersion Corporation
(72) MODARRES, Ali
CRUZ-HERNANDEZ, Juan Manuel
(31) 201361816605 P
(32) 26.04.2013
(33) United States of America

(51) G06F 3/0488
G06F 1/16
G06F 3/0486
H04M 1/02
G06F 3/0481
(11) EP2720132
(21) EP13188170.8
(47) 07.08.2019
(22) 10.10.2013
(54) Display apparatus and method of controlling the same
(73) Samsung Electronics Co., Ltd.
(72) Kwak, Ji-yeon
Kim, Hyun-jin
(31) 20120112687
(32) 10.10.2012
(33) Korea (Republic)

(51) G06F 3/0488
G06F 3/0481
(11) EP2568374
(21) EP12004457.3
(47) 07.08.2019
(22) 13.06.2012
(54) Mobile terminal and method for providing user interface thereof
(73) LG Electronics Inc.
(72) Lee, Choonjae
Lee, Sangwoon
Kim, Samsick
Lee, Minjeong
(31) 20110090339
(32) 06.09.2011
(33) Korea (Republic)

(51) G06F 3/06
G11C 16/22
G06F 21/79
(11) EP3242199
(21) EP15874628.9
(47) 07.08.2019
(87) CN2015071990
07.07.2016
(22) 30.01.2015
(54) FLASH MEMORY CONTROLLER AND CONTROL METHOD FOR FLASH MEMORY CONTROLLER
(73) Gigadevice Semiconductor (Beijing) Inc.
(72) LI, Baokui
WANG, Jinghua
WANG, Nanfei
(31) 201410851175
(32) 30.12.2014
(33) China

(51) G06F 3/12
(11) EP2339450
(21) EP10196644.8
(47) 07.08.2019
(22) 22.12.2010
(54) Information processing apparatus, control method, program, and computer-readable medium
(73) Canon Kabushiki Kaisha
(72) Tsutsumi, Kensuke
(31) 2009298834
(32) 28.12.2009
(33) Japan

(51) G06F 3/12
G06K 15/02
G06K 15/12
(11) EP2107455
(21) EP09156759.4
(47) 07.08.2019
(22) 30.03.2009
(54) Image forming apparatus and image forming method
(73) Canon Kabushiki Kaisha
(72) Yokoyama, Hidehiko
(31) 2008092207
(32) 31.03.2008
(33) Japan

(51) G06F 3/14
A61B 5/055
A61B 6/03
A61B 8/15
G09G 5/36
H04L 12/28
G06T 7/00
G06T 15/08
A61B 6/00
G06T 3/00
(11) EP2923262
(21) EP13856130.3
(47) 07.08.2019
(87) CA2013000982
30.05.2014
(22) 22.11.2013
(54) METHOD AND SYSTEM FOR DISPLAYING TO A USER A TRANSITION BETWEEN A FIRST RENDERED PROJECTION AND A SECOND RENDERED PROJECTION
(73) Cadens Medical Imaging Inc.
(72) CHANDELIER, Florent, André, Robert
VINCENT, Thomas, Bernard, Pascal
(31) 201261729472 P
(32) 23.11.2012
(33) United States of America

(51) G06F 3/14
G06F 3/048
G05B 23/02
(11) EP2962183
(21) EP14757300.0
(47) 07.08.2019
(87) US2014015502
04.09.2014
(22) 10.02.2014
(54) APPARATUS AND METHOD FOR PROVIDING A PAN AND ZOOM DISPLAY FOR A REPRESENTATION OF A PROCESS SYSTEM
(73) Honeywell International Inc.
(72) CUPITT, David James
SPEAR, James
LAYCOCK, Graeme
DUNCANSON, Ian
(31) 201313779154
(32) 27.02.2013
(33) United States of America

(51) G06F 3/16
G10L 15/22
G10L 25/48
G10L 25/18
G10L 25/21
(11) EP3274988
(21) EP16705671.2
(47) 07.08.2019
(87) US2016016649
06.10.2016
(22) 04.02.2016
(54) CONTROLLING ELECTRONIC DEVICE BASED ON DIRECTION OF SPEECH
(73) Qualcomm Incorporated
(72) YUN, Sungrack
KIM, Taesu
KIM,Duck Hoon
HWANG, Kyuwoong
(31) 201514671858
(32) 27.03.2015
(33) United States of America

(51) G06F 7/58
G06F 16/332
G06N 5/02
G06N 5/04
G06N 7/00
G10L 15/22
(11) EP2994826
(21) EP14795142.0
(47) 07.08.2019
(87) US2014036927
13.11.2014
(22) 06.05.2014
(54) ACQUISITION AND ASSESSMENT OF CLASSICALLY NON-INFERABLE INFORMATION
(73) Psigenics Corporation
(72) WILBER, Scott A.
(31) 201361820457 P

201361840900 P
(32) 07.05.2013
28.06.2013
(33) United States of America
United States of America

(51) G06F 7/72
(11) EP2816465
(21) EP13172549.1
(47) 07.08.2019
(22) 18.06.2013
(54) Method to calculate square roots for elliptic curve cryptography
(73) Certicom Corp.
(72) Lambert, Robert John

(51) G06F 8/34
G06F 8/38
G06F 17/21
G06F 17/50
(11) EP3436933
(21) EP17721928.4
(47) 07.08.2019
(87) US2017028960
23.11.2017
(22) 21.04.2017
(54) SYSTEMS AND METHODS FOR AUTOMATIC DETERMINATION OF LAYOUT CONSTRAINTS
(73) Google LLC
(72) HOFORD, John
ROARD, Nicolas
(31) 201662337850 P
201662337852 P
(32) 17.05.2016
17.05.2016
(33) United States of America
United States of America

(51) G06F 8/36
G06F 8/70
G06F 8/30
(11) EP2713268
(21) EP12186736.0
(47) 07.08.2019
(22) 28.09.2012
(54) Method for developing software and system therefor
(73) Ricoh Company, Ltd.
(72) Ravel, Christian

(51) G06F 8/61
(11) EP1410196
(21) EP02756290.9
(47) 07.08.2019
(87) US2002020067
03.01.2003
(22) 24.06.2002
(54) INSTALLING SUPERVISORY PROCESS CONTROL AND MANUFACTURING SOFTWARE FROM A REMOTE LOCATION AND MAINTAINING CONFIGURATION DATA LINKS IN A RUN-TIME ENVIRONMENT
(73) AVEVA Software, LLC
(72) ROWLEY, Kevin
BRANDENBURG, Dale, P.
CLINTON, Greg, C.
JONES, Derrick, C.
MODY, Pankaj, H.
(31) 300363 P
300321 P
300393 P
300174 P
(32) 22.06.2001
22.06.2001
22.06.2001
22.06.2001
(33) United States of America
United States of America
United States of America
United States of America

(51) G06F 8/656
(11) EP3200394
(21) EP15850532.1
(47) 07.08.2019
(87) CN2015082647
21.04.2016
(22) 29.06.2015
(54) METHOD AND APPARATUS FOR CONTROLLING MESSAGE TRANSMISSION AND NETWORK FUNCTION VIRTUALIZATION SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) LI, Long
GONG, Xuewen
(31) 201410538023
(32) 13.10.2014
(33) China

(51) G06F 8/656
G06F 8/38
G06F 3/0484
(11) EP3058450
(21) EP14854763.1
(47) 07.08.2019
(87) US2014060786
23.04.2015
(22) 15.10.2014
(54) RENDERING INTERFACE OBJECTS DEFINED BY A SEPARATE APPLICATION
(73) Google LLC
(72) MCDONOUGH, Colin, Albright
(31) 201314055464
(32) 16.10.2013
(33) United States of America

(51) G06F 9/00
H04L 29/06
(11) EP2659353
(21) EP11853877.6
(47) 07.08.2019
(87) US2011065876
05.07.2012
(22) 19.12.2011
(54) TECHNIQUES FOR PROTECTING AGAINST DENIAL OF SERVICE ATTACKS NEAR THE SOURCE
(73) Amazon Technologies, Inc.
(72) DICKINSON, Andrew B.
BRANDWINE, Eric Jason
(31) 981198
(32) 29.12.2010
(33) United States of America

(51) G06F 9/30
G06F 9/318
G06F 9/38
(11) EP2524303
(21) EP11705237.3
(47) 07.08.2019
(87) GB2011050306
22.09.2011
(22) 16.02.2011
(54) MAPPING BETWEEN REGISTERS USED BY MULTIPLE INSTRUCTION SETS
(73) ARM Limited
(72) GRISENTHWAITE, Richard, Roy
SEAL, David, James
(31) 201004293
(32) 15.03.2010
(33) United Kingdom

(51) G06F 9/30
G06F 9/38
(11) EP2972791
(21) EP14724200.2
(47) 07.08.2019
(87) US2014026907
25.09.2014
(22) 14.03.2014
(54) METHOD AND APPARATUS FOR FORWARDING LITERAL GENERATED DATA TO DEPENDENT INSTRUCTIONS MORE EFFICIENTLY USING A CONSTANT CACHE
(73) Qualcomm Incorporated
(72) DIEFFENDERFER, James Norris
MORROW, Michael William
SMITH, Rodney Wayne
SCHOTTMILLER, Jeffery M.
HIGDON, Daniel S.
MCILVAINE, Michael Scott
STEMPEL, Brian Michael
KOTHARI, Kulin Narendra
(31) 201313827867
(32) 14.03.2013
(33) United States of America

(51) G06F 9/38
G06F 9/46
(11) EP2866138
(21) EP13189861.1
(47) 07.08.2019
(22) 23.10.2013
(54) Floating-point supportive pipeline for emulated shared memory architectures
(73) Teknologian tutkimuskeskus VTT Oy
(72) Forsell, Matti

(51) G06F 9/44
G06F 8/20
G06F 11/36
(11) EP1696316
(21) EP06100646.6
(47) 07.08.2019
(22) 20.01.2006
(54) Code morphing for testing
(73) Microsoft Technology Licensing, LLC
(72) Wadsworth, Brandon Scott
Schertz, Stephen Craig
(31) 64865
(32) 24.02.2005
(33) United States of America

(51) G06F 9/44
G06F 9/445
G06F 9/455
(11) EP1982256
(21) EP07701752.3
(47) 07.08.2019
(87) CA2007000154
16.08.2007
(22) 06.02.2007

(54) METHOD AND SYSTEM FOR INSTALLING PORTABLE EXECUTABLE APPLICATIONS
(73) Kingston Digital, Inc.
(72) HAMID, Laurence
CHARBONNEAU, Marc
(31) 347259
(32) 06.02.2006
(33) United States of America

(51) G06F 9/44
G06F 11/07
(11) EP1518168
(21) EP03739168.7
(47) 07.08.2019
(87) US2003019099
08.01.2004
(22) 19.06.2003
(54) HANDLING FAULTS ASSOCIATED WITH OPERATION OF GUEST SOFTWARE IN THE VIRTUAL-MACHINE ARCHITECTURE
(73) Alibaba Group Holding Limited
(72) UHLIG, Richard
ANDERSON, Andrew
BENNETT, Steven
COTA-ROBLES, Erik
JEYASINGH, Stalinselvaraj
KAGI, Alain
NEIGER, Gilbert
(31) 184798
(32) 29.06.2002
(33) United States of America

(51) G06F 9/44
H04W 4/00
(11) EP3387526
(21) EP16816132.1
(47) 07.08.2019
(87) US2016065165
15.06.2017
(22) 06.12.2016
(54) ENVIRONMENT-AWARE CROSS-LAYER COMMUNICATION PROTOCOL IN UNDERGROUND OIL RESERVOIRS
(73) Saudi Arabian Oil Company
Truva Corporation
(72) SCHMIDT, Howard K.
AKYILDIZ, Ian F.
LIN, Shih-Chun
AL-SHEHRI, Abbdullah Awadh
(31) 201562265096 P
(32) 09.12.2015
(33) United States of America

(51) G06F 9/4401
G06F 9/455
G06F 8/656
(11) EP3084595
(21) EP14825543.3
(47) 07.08.2019
(87) US2014071002
25.06.2015
(22) 18.12.2014
(54) MEMORY-PRESERVING REBOOT
(73) Microsoft Technology Licensing, LLC
(72) RUSSINOVICH, Mark E.
(31) 201314136890
(32) 20.12.2013
(33) United States of America

(51) G06F 9/445
(11) EP2045717
(21) EP08017482.4
(47) 07.08.2019
(22) 06.10.2008
(54) Method of installing application programs and program causing computer to execute the method
(73) Brother Kogyo Kabushiki Kaisha
(72) Asai, Norihiko
(31) 2007262234
(32) 05.10.2007
(33) Japan

(51) G06F 9/445
G06F 9/451
G06Q 10/00
G06Q 30/00
(11) EP3151113
(21) EP16189128.8
(47) 07.08.2019
(22) 16.09.2016
(54) REMOTE SUPPORT SYSTEM, INFORMATION PROCESSING APPARATUS, IMAGE PROCESSING APPARATUS, METHODS OF CONTROLLING THESE, AND STORAGE MEDIUM
(73) Canon Kabushiki Kaisha
(72) FUKUSHIMA, Kenta
(31) 2015190337
(32) 28.09.2015
(33) Japan

(51) G06F 9/451
G06F 3/01
G06F 3/0488
H04W 4/40
H04W 4/50
(11) EP3283950
(21) EP16729146.7
(47) 07.08.2019
(87) US2016034807
01.12.2016
(22) 27.05.2016
(54) SYSTEMS AND METHODS FOR PROACTIVELY IDENTIFYING AND SURFACING RELEVANT CONTENT ON A TOUCH-SENSITIVE DEVICE
(73) Apple Inc.
(72) GROSS, Daniel, C.
COFFMAN, Patrick, L.
DELLINGER, Richard, R.
FOSS, Christopher, P.
GAUCI, Jason, J.
HAGHIGHI, Aria, D.
IRANI, Cyrus, D.
JONES, Bronwyn, A.
KAPOOR, Gaurav
LEMAY, Stephen, O.
MORRIS, Colin, C.
SIRACUSA, Michael, R.
YANG, Lawrence, Y.
RAMERTH, Brent, D.
BELLEGARDA, Jerome, R.
DOLFING, Jannes, G. A
PAGALLO, Guilia, M.
WANG, Xin
HATORI, Jun
MOHA, Alexandre R.
TOUDJI, Sofiane
CLARK, Kevin D.
KOHLSCHUETTER, Karl Christian
ANDERSEN, Jesper S.
ARRAS, Hafid
CARLHIAN, Alexandre
DENIAU, Thomas
MARTEL, Mathieu J.
(31) 201562167265 P
201562172019 P
201615166226
(32) 27.05.2015
05.06.2015
26.05.2016
(33) United States of America
United States of America
United States of America

(51) G06F 9/451
G06F 3/0481
G06F 3/0488
G06F 3/14
(11) EP2419809
(21) EP10764913.9
(47) 07.08.2019
(87) US2010030002
21.10.2010
(22) 05.04.2010
(54) CUSTOM POINTER FEATURES FOR TOUCH-SCREEN ON REMOTE CLIENT DEVICES
(73) Wyse Technology L.L.C.
(72) PAHLAVAN, Babak
GONZALEZ, Francisco, L., Franco
(31) 169664 P
236522 P
634664
169667 P
(32) 15.04.2009
24.08.2009
09.12.2009
15.04.2009
(33) United States of America
United States of America
United States of America
United States of America

(51) G06F 9/451
G06F 17/50
G06F 3/0484
(11) EP2169541
(21) EP09252151.7
(47) 07.08.2019
(22) 10.09.2009
(54) Method, system and graphical user interface for configuring a simulator to simulate a plurality of devices
(73) Accenture Global Services Limited
(72) Biltz, Michael J.
Hsu, Jonathan
Stauth, Sean
MacDonald, Graeme D.
(31) 212573
(32) 17.09.2008
(33) United States of America

(51) G06F 9/451
G06Q 10/06
G06F 3/0489
G06Q 10/10
(11) EP1869540
(21) EP06740333.7

(47) 07.08.2019
(87) US2006012177
26.10.2006
(22) 03.03.2006
(54) METHOD AND APPARATUS FOR PROVIDING PROCESS GUIDANCE
(73) Microsoft Technology Licensing, LLC
(72) GUCKENHEIMER, Sam
(31) 106765
(32) 15.04.2005
(33) United States of America

(51) G06F 9/455
H04L 29/06
H04L 29/08
H04L 29/12
(11) EP3311544
(21) EP16735764.9
(47) 07.08.2019
(87) US2016037896
22.12.2016
(22) 16.06.2016
(54) MANAGING DYNAMIC IP ADDRESS ASSIGNMENTS
(73) Amazon Technologies, Inc.
(72) MILLER, Kevin, Christopher
VOEGELE, Michael, Siaosi
(31) 201514741148
(32) 16.06.2015
(33) United States of America

(51) G06F 9/455
H04L 29/12
G06F 15/16
(11) EP2864875
(21) EP13806753.3
(47) 07.08.2019
(87) FI2013050664
27.12.2013
(22) 18.06.2013
(54) METHOD AND APPARATUS FOR IP COMMISSIONING AND DECOMMISSIONING IN ORCHESTRATED COMPUTING ENVIRONMENTS
(73) FusionLayer Oy
(72) HOLKKOLA, Juha
(31) 20125680
(32) 20.06.2012
(33) Finland

(51) G06F 9/46
G06F 9/44
G06F 11/34
G06F 9/50
(11) EP2715539
(21) EP12792181.5
(47) 07.08.2019
(87) US2012038666
06.12.2012
(22) 18.05.2012
(54) DISTRIBUTED COMPUTING FRAMEWORK
(73) Microsoft Technology Licensing, LLC
(72) GANDHI, Niraj Girishkumar
VAN HYNING, Kenneth
LIU, Jinghao
LARSEN, Kyle Allen
(31) 201113149625
(32) 31.05.2011
(33) United States of America

(51) G06F 9/50
G05B 19/418
H04L 29/08
(11) EP2462506
(21) EP10748051.9
(47) 07.08.2019
(87) EP2010005015
24.02.2011
(22) 16.08.2010
(54) METHOD AND SYSTEM FOR CONTROLLING PHYSICAL ACTUATORS IN PERVASIVE COMPUTING ENVIRONMENTS
(73) NEC Corporation
(72) STROHBACH, Martin
KOVACS, Ernö
GESSLER, Stefan
(31) 09010611
(32) 18.08.2009
(33) European Patent Office (EPO)

(51) G06F 9/50
H04L 29/08
G06F 9/455
(11) EP2667302
(21) EP13168389.8
(47) 07.08.2019
(22) 17.05.2013
(54) Method for managing the starting of instances of applications on virtual machines of a distributed network
(73) Schneider Electric Industries SAS
(72) Dufrene, Pierre
Schmitt, Günther
(31) 1254871
(32) 25.05.2012
(33) France

(51) G06F 11/07
(11) EP2813949
(21) EP13171337.2
(47) 07.08.2019
(22) 11.06.2013
(54) MULTICORE PROCESSOR FAULT DETECTION FOR SAFETY CRITICAL SOFTWARE APPLICATIONS
(73) ABB Schweiz AG
(72) Reichenbach, Frank
Vefling, Harald
Endresen, Jan
Løkstad, Trond

(51) G06F 11/07
G06F 11/14
G06F 11/30
(11) EP3314435
(21) EP16738266.2
(47) 07.08.2019
(87) US2016038841
29.12.2016
(22) 23.06.2016
(54) CONFIGURING ACCELERATION COMPONENTS OVER A NETWORK
(73) Microsoft Technology Licensing, LLC
(72) BURGER, Douglas C.
(31) 201514752778
(32) 26.06.2015
(33) United States of America

(51) G06F 11/16
(11) EP2963550
(21) EP15001895.0
(47) 07.08.2019
(22) 25.06.2015
(54) SYSTEMS AND METHODS FOR SYNCHRONIZING MICROPROCESSORS WHILE ENSURING CROSS-PROCESSOR STATE AND DATA INTEGRITY
(73) Harris Global Communications, Inc.
(72) Linn, Charles A.
Beane, Jeffrey R.
Paskalakis, George P.
Schmalbach, Richard
Tilley, Christopher J.
(31) 201414322161
(32) 02.07.2014
(33) United States of America

(51) G06F 11/20
(11) EP3304311
(21) EP16721031.9
(47) 07.08.2019
(87) US2016029109
08.12.2016
(22) 25.04.2016
(54) DYNAMIC MIRRORING
(73) NetApp, Inc.
(72) KEREMANE, Hrishikesh
AYYAPPAN, Iswarya
JOSEPH, Allen, Rintoul Keeranchira
RAMASUBRAMANIAM, Vaiapuri
CHAUHAN, Jitendra, Pratap Singh
(31) 2773CH2015
201514800108
(32) 02.06.2015
15.07.2015
(33) India
United States of America

(51) G06F 11/20
G06F 11/14
(11) EP3285168
(21) EP16858717.8
(47) 07.08.2019
(87) CN2016087915
04.05.2017
(22) 30.06.2016
(54) DISASTER TOLERANCE METHOD AND APPARATUS IN ACTIVE-ACTIVE CLUSTER SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) CHEN, Yijia
LIU, Hui
(31) 201510727389
(32) 30.10.2015
(33) China

(51) G06F 11/30
G06F 11/34
(11) EP3265914
(21) EP16704911.3
(47) 07.08.2019
(87) GB2016050331
09.09.2016
(22) 11.02.2016
(54) AN APPARATUS AND METHOD TO GENERATE TRACE DATA IN RESPONSE TO TRANSACTIONAL EXECUTION
(73) ARM Limited
(72) WILLIAMS, Michael John
HORLEY, John Michael
DIESTELHORST, Stephan
GRISENTHWAITE, Richard Roy
(31) 201503632

(32) 04.03.2015
(33) United Kingdom

(51) G06F 11/30
G06F 11/34
(11) EP3343375
(21) EP17211003.3
(47) 07.08.2019
(22) 28.12.2017
(54) A METHOD AND A SYSTEM FOR MONITORING BATCH PROCESSING OF APPLICATIONS EXECUTED IN IT INFRASTRUCTURE
(73) BULL SAS
(72) ALVAREZ MARCOS, José Ignacio
DEMEILLIEZ, Bruno
ROCHETTE, Florent
(31) 1663518
(32) 29.12.2016
(33) France

(51) G06F 11/30
G06F 12/08
G06F 11/26
(11) EP2615551
(21) EP11823308.9
(47) 07.08.2019
(87) JP2011064116
15.03.2012
(22) 21.06.2011
(54) ABNORMALITY INSPECTION DEVICE, CENTRAL PROCESSING UNIT, AND ABNORMALITY INSPECTION METHOD
(73) Mitsubishi Heavy Industries, Ltd.
(72) NAKAIDE, Minoru
TODA, Shinichi
(31) 2010201045
(32) 08.09.2010
(33) Japan

(51) G06F 11/36
(11) EP2847681
(21) EP13724093.3
(47) 07.08.2019
(87) US2013039938
14.11.2013
(22) 07.05.2013
(54) DEVICE HAVING CONFIGURABLE BREAKPOINT BASED ON INTERRUPT STATUS
(73) Microchip Technology Incorporated
(72) KILZER, Kevin
MILKS, Justin
BALASUBRAMANIAN, Sundar
PERME, Thomas, Edward
JAVAGAL, Kushala
(31) 201261643707 P
(32) 07.05.2012
(33) United States of America

(51) G06F 11/36
(11) EP2976716
(21) EP14744673.6
(47) 07.08.2019
(87) US2014044127
31.12.2014
(22) 25.06.2014
(54) PRIORITIZATION OF TESTS OF COMPUTER PROGRAM CODE
(73) Synopsys, Inc.
(72) BOSHERNITSAN, Marat
KUEHLMANN, Andreas
(31) 201361840513 P
201361840526 P
201314037540
(32) 28.06.2013
28.06.2013
26.09.2013
(33) United States of America
United States of America
United States of America

(51) G06F 12/08
G06F 12/1009
(11) EP3190520
(21) EP14901117.3
(47) 07.08.2019
(87) CN2014085660
10.03.2016
(22) 01.09.2014
(54) FILE ACCESS METHOD AND APPARATUS, AND STORAGE SYSTEM
(73) Huawei Technologies Co. Ltd.
(72) XU, Jun
ZHU, Guanyu
YU, Qun

(51) G06F 12/08
G06T 1/60
G06F 12/0802
G06F 12/0875
G06F 16/10
(11) EP3333715
(21) EP18152715.1
(47) 07.08.2019
(22) 08.08.2001
(54) CACHE SYSTEM AND METHOD FOR GENERATING UNCACHED OBJECTS FROM CACHED AND STORED OBJECT COMPONENTS
(73) Aware, Inc.
(72) Gut, Ron Abraham
Tzannes, Alexis Paul
Reiter, Edmund Campion
(31) 225412 P
(32) 15.08.2000
(33) United States of America

(51) G06F 12/1027
G06F 12/14
G06F 9/30
(11) EP2851804
(21) EP14181728.8
(47) 07.08.2019
(22) 21.08.2014
(54) Arithmetic processing device, information processing device, control method for information processing device, and control program for information processing device
(73) FUJITSU LIMITED
(72) Yamamura, Shuji
Maruyama, Masaharu
Yoshida, Toshio
Kan, Ryuji
Kiyota, Naohiro
Hondo, Mikio
Motokurumada, Tsuyoshi
(31) 2013195183
(32) 20.09.2013
(33) Japan

(51) G06F 12/14
G06F 21/53
G06F 21/85
G06F 9/455
(11) EP3074865
(21) EP14819160.4
(47) 07.08.2019
(87) US2014067099
04.06.2015
(22) 24.11.2014
(54) HARDWARE VIRTUALIZATION MODULE FOR EXCLUSIVE CONTROLLED ACCESS TO CPU
(73) Cisco Technology, Inc.
(72) ADDEPALLI, Sateesh K.
SUDHAAKAR, Raghuram S.
(31) 201314091485
(32) 27.11.2013
(33) United States of America

(51) G06F 12/14
G06F 21/60
G06F 21/62
G06F 21/78
G06F 21/79
(11) EP3262515
(21) EP15905603.5
(47) 07.08.2019
(87) US2015053320
06.04.2017
(22) 30.09.2015
(54) CRYPTOGRAPHIC-BASED INITIALIZATION OF MEMORY CONTENT
(73) Hewlett Packard Enterprise Development LP
(72) AWAD, Amro J.
MANADHATA, Pratyusa K.
HABER, Stuart
HORNE, William G.

(51) G06F 13/00
G06F 15/78
(11) EP2756407
(21) EP12778489.0
(47) 07.08.2019
(87) US2012055268
21.03.2013
(22) 14.09.2012
(54) PERIPHERAL TRIGGER GENERATOR
(73) Microchip Technology Incorporated
(72) KRIS, Bryan
CATHERWOOD, Michael
(31) 201161534619 P
201213613784
(32) 14.09.2011
13.09.2012
(33) United States of America
United States of America

(51) G06F 13/14
G06F 13/38
H04L 12/773
H04L 29/12
(11) EP2972908
(21) EP13877952.5
(47) 07.08.2019
(87) US2013032174
18.09.2014
(22) 15.03.2013
(54) INTRA-PLATFORM NETWORKING
(73) Intel Corporation
(72) AVITAL, Shlomo
SHARAGA, Avishay

(51) G06F 13/38

(11) EP3423950
(21) EP17725809.2
(47) 07.08.2019
(87) US2017031802
16.11.2017
(22) 09.05.2017
(54) DIGITAL SIGNALING SCHEMES FOR LINE MULTIPLEXED UART FLOW CONTROL
(73) QUALCOMM INCORPORATED
(72) MISHRA, Lalan, Jee
WIETFELDT, Richard, Dominic
WILEY, George, Alan
(31) 201662334141 P
201762502503 P
201715589805
(32) 10.05.2016
05.05.2017
08.05.2017
(33) United States of America
United States of America
United States of America

(51) G06F 15/16
H04L 29/06
H04L 12/58
G06F 16/40
(11) EP2271995
(21) EP09734559.9
(47) 07.08.2019
(87) US2009041817
29.10.2009
(22) 27.04.2009
(54) REAL-TIME COMMUNICATIONS OVER DATA FORWARDING FRAMEWORK
(73) Callahan Cellular L.L.C.
(72) MERRITT, Edward
FEIN, Gene
(31) 109458
(32) 25.04.2008
(33) United States of America

(51) G06F 16/00
(11) EP2495670
(21) EP11191134.3
(47) 07.08.2019
(22) 29.11.2011
(54) Computer networking system and method with javascript execution for pre-fetching content from dynamically-generated url and javascript injection to modify date or random number calculation
(73) Hughes Network Systems, LLC
(72) Dillon, Douglas M.
Brantley, Daren C.
(31) 417626 P
(32) 29.11.2010
(33) United States of America

(51) G06F 16/00
(11) EP2608066
(21) EP12006185.8
(47) 07.08.2019
(22) 31.08.2012
(54) Many core algorithms for in-memory column store databases
(73) SAP SE
(72) Dees, Jonathan
Sanders, Peter
Faerber, Franz
Seidel, Jochen
(31) 201113332189
(32) 20.12.2011
(33) United States of America

(51) G06F 16/00
(11) EP2691886
(21) EP12764154.6
(47) 07.08.2019
(87) US2012028037
04.10.2012
(22) 07.03.2012
(54) TIME-BASED DATA PARTITIONING
(73) EMC Corporation
(72) MITRA, Soumyadeb
HSU, Windsor, W.
(31) 201113077775
(32) 31.03.2011
(33) United States of America

(51) G06F 16/00
(11) EP3161677
(21) EP15734006.8
(47) 07.08.2019
(87) US2015037456
30.12.2015
(22) 24.06.2015
(54) FAST COLOR SEARCHING
(73) Amazon Technologies, Inc.
(72) DORNER, Charles Shearer
SAYRE, Paul Barnhart III
(31) 201414315700
(32) 26.06.2014
(33) United States of America

(51) G06F 16/11
G06F 16/17
G06F 16/18
G06F 11/14
(11) EP2646923
(21) EP11845849.6
(47) 07.08.2019
(87) US2011063195
07.06.2012
(22) 03.12.2011
(54) FILE SYSTEM BACKUP USING CHANGE JOURNAL
(73) Microsoft Technology Licensing, LLC
(72) BOEHM, Branton Nicolas
DOSHI, Apurva Ashwin
PANG, Juan-Lee
LYAKHOVITSKIY, Grigory Borisovich
HAVEWALA, Sarosh Cyrus
(31) 959401
(32) 03.12.2010
(33) United States of America

(51) G06F 16/11
G06F 16/23
G06F 11/14
(11) EP3117349
(21) EP15776191.7
(47) 07.08.2019
(87) CN2015076173
15.10.2015
(22) 09.04.2015
(54) SYSTEM AND METHOD FOR MASSIVELY PARALLEL PROCESSING DATABASE
(73) Huawei Technologies Co., Ltd.
(72) CAI, Le
ZHANG, Guogen
(31) 201414249558
(32) 10.04.2014
(33) United States of America

(51) G06F 16/11
G06F 21/64
H04L 29/06
G06F 21/62
G06F 21/60
H04L 9/14
H04L 9/32
(11) EP3304409
(21) EP16733205.5
(47) 07.08.2019
(87) IB2016053357
15.12.2016
(22) 08.06.2016
(54) SECURING DIGITAL DATA
(73) Rietsch, Jean-Marc, Marie-Joseph
(72) Rietsch, Jean-Marc, Marie-Joseph
(31) 1501179
(32) 08.06.2015
(33) France

(51) G06F 16/185
(11) EP3251026
(21) EP15778056.0
(47) 07.08.2019
(87) IB2015057577
04.08.2016
(22) 03.10.2015
(54) STORAGE CONSTRAINED SYNCHRONIZATION OF SHARED CONTENT ITEMS
(73) Dropbox, Inc.
(72) NEWHOUSE, Benjamin
(31) 201514611115
201514611116
201514611117
(32) 30.01.2015
30.01.2015
30.01.2015
(33) United States of America
United States of America
United States of America

(51) G06F 16/21
G06F 16/27
G06F 16/2455
G06F 16/25
G06F 16/28
(11) EP3365807
(21) EP16788391.7
(47) 07.08.2019
(87) US2016058264
27.04.2017
(22) 21.10.2016
(54) APPLICATION CONTAINERS FOR CONTAINER DATABASES
(73) Oracle International Corporation
(72) KRUGLIKOV, Andre
RAJAMANI, Kumar
BABY, Thomas
YAM, Philip
(31) 201562245937 P
201662395267 P
(32) 23.10.2015
15.09.2016
(33) United States of America
United States of America

(51) G06F 16/21
H04L 29/08

(11) EP2884407
(21) EP14003671.6
(47) 07.08.2019
(22) 30.10.2014
(54) UPDATING DATABASE SCHEMAS IN A ZERO-DOWNTIME ENVIRONMENT
(73) SAP SE
(72) Baeuerle, Stefan
Lehner, Wolfgang
Goel, Anil Kumar
Renkes, Frank
DAS, Joydeep
(31) 201314102280
(32) 10.12.2013
(33) United States of America

(51) G06F 16/22
(11) EP2804115
(21) EP13736030.1
(47) 07.08.2019
(87) JP2013000067
18.07.2013
(22) 10.01.2013
(54) INDEX SCAN DEVICE AND INDEX SCAN METHOD
(73) NEC Corporation
(72) NISHIMURA, Shoji
(31) 2012005562
(32) 13.01.2012
(33) Japan

(51) G06F 16/23
(11) EP2724236
(21) EP12802529.3
(47) 07.08.2019
(87) US2012041305
27.12.2012
(22) 07.06.2012
(54) SYSTEM AND METHOD FOR PROVIDING A UNIFIED STORAGE SYSTEM THAT SUPPORTS FILE/OBJECT DUALITY
(73) NetApp, Inc.
(72) SLIK, David
(31) 201113168431
(32) 24.06.2011
(33) United States of America

(51) G06F 16/2455
(11) EP2472416
(21) EP10818302.1
(47) 07.08.2019
(87) CN2010073521
31.03.2011
(22) 03.06.2010
(54) DATA QUERY SYSTEM AND CONSTRUCTING METHOD THEREOF AND CORRESPONDING DATA QUERY METHOD
(73) ZTE Corporation
(72) SUN, Ming
(31) 200910178103
(32) 23.09.2009
(33) China

(51) G06F 16/27
(11) EP2780835
(21) EP12795220.8
(47) 07.08.2019
(87) US2012065249
23.05.2013
(22) 15.11.2012
(54) DATA CLUSTERING, SEGMENTATION, AND PARALLELIZATION
(73) Ab Initio Technology LLC
(72) ANDERSON, Arlen
(31) 201161560257 P
201261660259 P
(32) 15.11.2011
15.06.2012
(33) United States of America
United States of America

(51) G06F 16/27
G06F 16/21
G06F 16/2455
G06F 16/25
G06F 16/28
(11) EP3365805
(21) EP16788001.2
(47) 07.08.2019
(87) US2016058276
27.04.2017
(22) 21.10.2016
(54) ABILITY TO GROUP MULTIPLE CONTAINER DATABASES AS A SINGLE CONTAINER DATABASE CLUSTER
(73) Oracle International Corporation
(72) JAIN, Sanket
RAJAMANI, Kumar
RAVIPATI, Giridhar
LEE, Jaebock
(31) 201562245937 P
201662395267 P
(32) 23.10.2015
15.09.2016
(33) United States of America
United States of America

(51) G06F 16/27
G06F 16/21
H04L 12/865
(11) EP3295629
(21) EP16806816.1
(47) 07.08.2019
(87) CN2016085131
15.12.2016
(22) 07.06.2016
(54) QUERY PLAN AND OPERATION-AWARE COMMUNICATION BUFFER MANAGEMENT
(73) Huawei Technologies Co., Ltd.
(72) DONG, Yu
ZHOU, Qingqing
ZHANG, Guogen
(31) 201514736050
(32) 10.06.2015
(33) United States of America

(51) G06F 16/35
(11) EP3037989
(21) EP15003365.2
(47) 07.08.2019
(22) 25.11.2015
(54) SYSTEM AND METHOD OF DATA WRANGLING
(73) Business Objects Software Ltd.
(72) Tsumura, Michael
Ivanov, Ivailo
Kumar, Viren
(31) 201414583494
(32) 26.12.2014
(33) United States of America

(51) G06F 16/9032
G06F 16/332
(11) EP2771816
(21) EP12778589.7
(47) 07.08.2019
(87) US2012061258
02.05.2013
(22) 22.10.2012
(54) GESTURE-BASED SEARCH
(73) Google LLC
(72) LI, Yang
TING, Leo Chiow-Fuan
UEYAMA, Rui
CHANG, Lawrence
AN, Younghun
(31) 201113280582
(32) 25.10.2011
(33) United States of America

(51) G06F 16/951
G06F 15/16
G06Q 50/10
(11) EP2780838
(21) EP12848846.7
(47) 07.08.2019
(87) US2012064252
23.05.2013
(22) 09.11.2012
(54) LOCATING RELEVANT CONTENT ITEMS ACROSS MULTIPLE DISPARATE CONTENT SOURCES
(73) Microsoft Technology Licensing, LLC
(72) STEVENSON, Bradley
HARMETZ, Adam, David
CHRISTENSEN, Quentin, Gary
SMITH, Julian, Zbogar
JANARDHAN, Anupama
HERNANDEZ, Carlos, David, Argott
SOMASUNDARAM, Ramanathan
RINACA, Benjamin, Joseph
MAO, Fan
MCMYNN, Graham, Lee
ALSPAUGH, Jessica, Anne
PIASECZNY, Michal
BARABOI, Tudor
MALGI, Ashish, Shrikrishna
SRIRAM, Thottam, R.
ARIFIN, Zainal
FAN, John, D.
JAYARAMAN, Kameshwar
(31) 201113295108
(32) 14.11.2011
(33) United States of America

(51) G06F 16/9535
G06F 17/21
G06F 17/27
(11) EP2483803
(21) EP10770664.0
(47) 07.08.2019
(87) US2010050762
07.04.2011
(22) 29.09.2010
(54) SYSTEM AND METHOD FOR GENERATING VOCABULARY FROM NETWORK DATA
(73) Cisco Technology, Inc.
(72) ARUMUGAM, Thangavelu
GANNU, Satish K.
MIHAILOVICI, Virgil N.

MALEGAONKAR, Ashutosh A.
POSSE, Christian
SAMBHUS, Sonali M.
WALIA, Nitasha
ZHANG, Kui
(31) 571390
(32) 30.09.2009
(33) United States of America

(51) G06F 17/00
G06F 9/44
G06F 8/38
H04L 29/08
H04L 29/06
G06F 3/048
(11) EP3183667
(21) EP14879253.4
(47) 07.08.2019
(87) US2014053168
25.02.2016
(22) 28.08.2014
(54) COMMON DECLARATIVE REPRESENTATION OF APPLICATION CONTENT AND USER INTERACTION CONTENT PROCESSED BY A USER EXPERIENCE PLAYER
(73) Intuit Inc.
(72) YU, Jay, Jiebing
SIVERTSON, Matthew
KUMAR, Vinay
BERAN, Bojan
BALAZS, Alex
CABRERA, Luis, Felipe
(31) 201414463415
(32) 19.08.2014
(33) United States of America

(51) G06F 17/00
G06K 17/00
G06Q 30/00
(11) EP2089811
(21) EP07862151.3
(47) 07.08.2019
(87) US2007024252
12.06.2008
(22) 20.11.2007
(54) ITEM HAVING A DATA TAG
(73) NCR Corporation
(72) ROTH, Joseph D.
HOLZ, John B.
(31) 607704
(32) 01.12.2006
(33) United States of America

(51) G06F 17/00
H04N 21/436
(11) EP2696295
(21) EP12791068.5
(47) 07.08.2019
(87) CN2012076147
05.12.2013
(22) 28.05.2012
(54) PROCESSING METHOD, DEVICE AND SYSTEM FOR MEDIA RESOURCE PLAYLIST IN LOCAL AREA NETWORK
(73) Huawei Device (Shenzhen) Co., Ltd.
(72) SHAN, Zhenwei
ZHU, Yu

(51) G06F 17/11
G06F 21/00
G06F 7/72
(11) EP2718844
(21) EP11867225.2
(47) 07.08.2019
(87) CA2011050345
13.12.2012
(22) 06.06.2011
(54) SQUARING BINARY FINITE FIELD ELEMENTS
(73) Certicom Corp.
(72) LAMBERT, Robert

(51) G06F 17/14
G06T 5/10
G06T 5/00
H04N 19/176
H04N 19/122
H04N 19/14
H04N 19/18
H04N 19/182
H04N 19/86
H04N 19/103
H04N 19/59
H04N 19/60
H04N 19/132
H04N 19/48
(11) EP2240869
(21) EP09708583.1
(47) 07.08.2019
(87) US2009032890
13.08.2009
(22) 02.02.2009
(54) METHODS FOR FAST AND MEMORY EFFICIENT IMPLEMENTATION OF TRANSFORMS
(73) NTT DoCoMo, Inc.
(72) KANUMURI, Sandeep
GULERYUZ, Onur, G.
FUJIBAYASHI, Akira
CIVANLAR, Reha, M.
(31) 26453 P
239195
(32) 05.02.2008
26.09.2008
(33) United States of America
United States of America

(51) G06F 17/18
G06F 17/50
G01R 19/25
(11) EP2927700
(21) EP14163004.6
(47) 07.08.2019
(22) 01.04.2014
(54) Method for monitoring system variables of a distribution or transmission grid
(73) ABB Schweiz AG
(72) Jha, Rajeev Kumar
Moser, Albert
Kreusel, Jochen

(51) G06F 17/50
B29C 67/00
B33Y 50/02
B33Y 30/00
B33Y 50/00
B29C 64/386
(11) EP3251036
(21) EP15706383.5
(47) 07.08.2019
(87) EP2015052008
04.08.2016
(22) 30.01.2015
(54) GENERATING CONFIGURATION DATA FOR THE PRODUCTION OF A THREE-DIMENSIONAL OBJECT
(73) Hewlett-Packard Development Company, L.P.
(72) MOROVIC, Peter
MOROVIC, Jan

(51) G06F 17/50
G06F 7/50
(11) EP3264295
(21) EP17177752.7
(47) 07.08.2019
(22) 24.06.2017
(54) LOW-AREA FIXED-POINT POLYNOMIALS
(73) Imagination Technologies Limited
(72) DRANE, Theo
(31) 201611157
(32) 27.06.2016
(33) United Kingdom

(51) G06F 21/00
(11) EP2633462
(21) EP11776429.0
(47) 07.08.2019
(87) EP2011068868
03.05.2012
(22) 27.10.2011
(54) PROTECTING DATA INTEGRITY WITH STORAGE LEASES
(73) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.
(72) DRUSCHEL, Peter
RODRIGUES, Rodrigo
POST, Ansley
VAHLDIEK, Anjo Lucas
GEHRKE, Johannes
(31) 407417 P
(32) 27.10.2010
(33) United States of America

(51) G06F 21/00
G06F 15/00
H04L 29/08
G06F 21/62
H04L 9/00
H04L 29/06
(11) EP2513833
(21) EP10841444.2
(47) 07.08.2019
(87) US2010057258
07.07.2011
(22) 18.11.2010
(54) VERIFIABLE TRUST FOR DATA THROUGH WRAPPER COMPOSITION
(73) Microsoft Technology Licensing, LLC
(72) AURADKAR, Rahul V.
D'SOUZA, Roy Peter
(31) 832400
286654 P
(32) 08.07.2010
15.12.2009
(33) United States of America
United States of America

(51) G06F 21/10
G06F 21/60
H04N 21/41
H04N 21/4367
H04N 21/4405

H04N 21/443
H04N 21/835
(11) EP1582962
(21) EP05101873.7
(47) 07.08.2019
(22) 10.03.2005
(54) System and method for protecting media content
(73) Microsoft Technology Licensing, LLC
(72) Alkove, James M., c/o Microsoft Corporation
Estrop, Stephen J., c/o Microsoft Corporation
(31) 798688
(32) 11.03.2004
(33) United States of America

(51) G06F 21/30
H04L 29/06
(11) EP3384420
(21) EP16806400.4
(47) 07.08.2019
(87) US2016062642
08.06.2017
(22) 18.11.2016
(54) EXTENDING A FEDERATED GRAPH WITH THIRD-PARTY DATA AND METADATA
(73) Microsoft Technology Licensing, LLC
(72) MULLINS, Christopher Lee
SHEWCHUK, John Peter
(31) 201514954539
(32) 30.11.2015
(33) United States of America

(51) G06F 21/31
G06F 21/32
G06F 21/36
G06F 3/0488
G06F 3/041
G06K 9/00
G06F 3/0481
G06K 9/32
H04L 9/32
H04L 29/06
H04W 12/06
H04W 88/02
(11) EP2731037
(21) EP13171145.9
(47) 07.08.2019
(22) 09.09.2008
(54) Embedded authentication systems in an electronic device
(73) Apple Inc.
(72) Fadell, Anthony M.
Caballero, Ruben
Dorogusker, Jesse Lee
(31) 995200 P
(32) 24.09.2007
(33) United States of America

(51) G06F 21/31
G06F 21/62
(11) EP2400425
(21) EP10167427.3
(47) 07.08.2019
(22) 25.06.2010
(54) SECURITY MECHANISM FOR INCREASED PERSONAL DATA PROTECTION
(73) BlackBerry Limited
(72) Stoev, Orlin V.
Chan, Eric

(51) G06F 21/32
G06K 9/00
H04L 29/06
G06K 9/62
(11) EP3367279
(21) EP16856583.6
(47) 07.08.2019
(87) CN2016077661
27.04.2017
(22) 29.03.2016
(54) METHOD AND DEVICE FOR AUTHENTICATING IDENTIFY BY MEANS OF FUSION OF MULTIPLE BIOLOGICAL CHARACTERISTICS
(73) GRG Banking Equipment Co., Ltd.
(72) XIAO, Zheng
ZHENG, Jiachun
HAN, Xiaoping
HE, Jinjun
(31) 201510684297
(32) 20.10.2015
(33) China

(51) G06F 21/32
H04L 29/06
(11) EP3270314
(21) EP17178009.1
(47) 07.08.2019
(22) 27.06.2017
(54) METHOD AND APPARATUS FOR VERIFYING USER USING MULTIPLE BIOMETRIC VERIFIERS
(73) Samsung Electronics Co., Ltd
(72) Suh, Sungjoo
Han, Seungju
Han, Jae-Joon
Choi, Chang Kyu
(31) 20160087478
20160130758
(32) 11.07.2016
10.10.2016
(33) Korea (Republic)
Korea (Republic)

(51) G06F 21/32
H04W 12/06
H04W 88/02
G06F 21/36
H04L 29/06
G06K 9/00
(11) EP3287922
(21) EP16894080.7
(47) 07.08.2019
(87) CN2016087775
21.09.2017
(22) 29.06.2016
(54) UNLOCKING CONTROL METHOD AND TERMINAL DEVICE
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) YANG, Le
ZHOU, YiBao
(31) 201610146753
(32) 14.03.2016
(33) China

(51) G06F 21/34
G06F 21/62
(11) EP1844417
(21) EP05817605.8
(47) 07.08.2019
(87) EP2005013212
06.07.2006
(22) 08.12.2005
(54) METHOD AND SYSTEM FOR RESTRICTED SERVICE ACCESS
(73) Telefónica Germany GmbH & Co. OHG
(72) SCHRÖTER, Andreas
(31) 640877 P
(32) 30.12.2004
(33) United States of America

(51) G06F 21/36
(11) EP3296909
(21) EP17189316.7
(47) 07.08.2019
(22) 05.09.2017
(54) PASSWORD ENTRY DEVICE AND IMAGE PROCESSING APPARATUS
(73) KYOCERA Document Solutions Inc.
(72) MIYATA, Rie
(31) 2016180879
(32) 15.09.2016
(33) Japan

(51) G06F 21/53
H04L 9/32
G06F 21/32
G06F 21/34
G06F 21/57
G06F 21/60
H04L 29/06
H04L 9/08
G06F 8/65
(11) EP3340096
(21) EP17306850.3
(47) 07.08.2019
(22) 20.12.2017
(54) METHOD FOR CONFIGURING A CRYPTOGRAPHIC PROGRAM INTENDED FOR BEING RUN BY A TERMINAL
(73) Idemia Identity & Security France
(72) CHABANNE, Hervé
BRINGER, Julien
(31) 1663001
(32) 21.12.2016
(33) France

(51) G06F 21/55
G06F 11/34
G06F 21/53
(11) EP3340097
(21) EP16861914.6
(47) 07.08.2019
(87) JP2016080708
11.05.2017
(22) 17.10.2016
(54) ANALYSIS DEVICE, ANALYSIS METHOD, AND ANALYSIS PROGRAM
(73) Nippon Telegraph And Telephone Corporation
(72) TAKATA, Yuta
AKIYAMA, Mitsuaki
YAGI, Takeshi
(31) 2015215469
(32) 02.11.2015
(33) Japan

(51) G06F 21/55
G06F 21/62
H04L 29/06
(11) EP3356984

(21) EP16781262.7
(47) 07.08.2019
(87) US2016054678
06.04.2017
(22) 30.09.2016
(54) METHOD AND SYSTEM FOR ANONYMIZING ACTIVITY RECORDS
(73) Dtex Systems Inc.
(72) KOO, Rajan Peng, Kiat
BRUECHERT, Russell, Alan
STAMP, Roderick, Duncan
SWAMI, Arun, Narasimha
AKKINENI, Vamsi, Krishna
(31) 201514874265
(32) 02.10.2015
(33) United States of America

(51) G06F 21/55
H04L 29/06
H04L 12/24
G06F 21/57
(11) EP3373179
(21) EP15910665.7
(47) 07.08.2019
(87) JP2015084931
22.06.2017
(22) 14.12.2015
(54) INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING PROGRAM
(73) Mitsubishi Electric Corporation
(72) IJIRO, Hideaki
KAWAUCHI, Kiyoto

(51) G06F 21/56
H04L 29/06
(11) EP3087527
(21) EP13900103.6
(47) 07.08.2019
(87) US2013078087
02.07.2015
(22) 27.12.2013
(54) SYSTEM AND METHOD OF DETECTING MALICIOUS MULTIMEDIA FILES
(73) McAfee, LLC
(72) LI, Haifei
SUN, Bing
XU, Chong

(51) G06F 21/57
G06F 11/36
G06F 21/51
(11) EP3369030
(21) EP16778162.4
(47) 07.08.2019
(87) US2016053574
04.05.2017
(22) 23.09.2016
(54) METHODS AND APPARATUS FOR MOBILE COMPUTING DEVICE SECURITY IN TESTING FACILITIES
(73) Google LLC
(72) PATNAIK, Pratyus
CARLSON, Jordan
KIM, Jong, Hyeop
FARZAN, Frank
CHANG, Andy
MARSH, Emma, E.
(31) 201514928961
(32) 30.10.2015
(33) United States of America

(51) G06F 21/60
G06F 15/16
G06F 9/44
(11) EP2791857
(21) EP12858489.3
(47) 07.08.2019
(87) US2012067660
20.06.2013
(22) 04.12.2012
(54) FACILITATING SYSTEM SERVICE REQUEST INTERACTIONS FOR HARDWARE-PROTECTED APPLICATIONS
(73) Microsoft Technology Licensing, LLC
(72) BAUMANN, Andrew A.
HUNT, Galen C.
PEINADO, Marcus
(31) 201113323562
(32) 12.12.2011
(33) United States of America

(51) G06F 21/60
G06F 21/62
H04L 29/06
(11) EP3232362
(21) EP16737420.6
(47) 07.08.2019
(87) JP2016050988
21.07.2016
(22) 14.01.2016
(54) LEAKAGE PREVENTION APPARATUS, LEAKAGE PREVENTION METHOD AND PROGRAM
(73) Nippon Telegraph and Telephone Corporation
(72) YOSHIDA, Reo
FUJI, Hitoshi
KOBAYASHI, Tetsutaro
AKIBA, Junya
WASHIO, Tomoaki
MIYAMOTO, Tsuyoshi
(31) 2015007034
(32) 16.01.2015
(33) Japan

(51) G06F 21/62
(11) EP2426617
(21) EP11178376.7
(47) 07.08.2019
(22) 23.08.2011
(54) Method for anonymous compiling of confidential data and accompanying identification data
(73) Hüffer, Wolfgang
Wiese, Timo
(72) Hüffer, Wolfgang
Wiese, Timo
(31) 102010037326
(32) 03.09.2010
(33) Germany

(51) G06F 21/62
G06F 21/72
H04L 29/06
G06F 21/53
H04L 9/32
(11) EP3210155
(21) EP15788524.5
(47) 07.08.2019
(87) US2015056119
28.04.2016
(22) 18.10.2015
(54) TRUST SERVICE FOR A CLIENT DEVICE
(73) Microsoft Technology Licensing, LLC
(72) THOM, Stefan
AIGNER, Ronald
MATTOON, Dennis J.
SCHAEFER, Stuart H.
KAPADIA, Merzin
SPIGER, Robert Karl
WOOTEN, David R.
ENGLAND, Paul
(31) 201414519010
(32) 20.10.2014
(33) United States of America

(51) G06F 21/62
H04L 9/32
H04L 29/06
H04W 12/02
H04L 12/58
(11) EP2862116
(21) EP13806845.7
(47) 07.08.2019
(87) IL2013050518
27.12.2013
(22) 17.06.2013
(54) SYSTEM AND METHOD TO ACCESS CONTENT OF ENCRYPTED DATA ITEMS IN UNSUPPORTED DIGITAL ENVIRONMENTS
(73) Microsoft Israel Research and Development (2002) Ltd.
(72) ELDAR, Yuval
(31) 201261660835 P
(32) 18.06.2012
(33) United States of America

(51) G06F 21/72
G06F 21/53
G06F 21/79
G06F 9/455
(11) EP2577449
(21) EP11787280.4
(47) 07.08.2019
(87) US2011037799
01.12.2011
(22) 24.05.2011
(54) METHOD AND APPARATUS FOR TRUSTED EXECUTION IN INFRASTRUCTURE AS A SERVICE CLOUD ENVIRONMENTS
(73) Cisco Technology, Inc.
(72) MAINO, Fabio R.
MONCLUS, Pere
(31) 789189
(32) 27.05.2010
(33) United States of America

(51) G06F 21/74
G06F 21/57
G06F 9/54
G06F 21/45
G06F 21/52
G06F 21/56
G06F 21/71
(11) EP3373187
(21) EP18170191.3
(47) 07.08.2019
(22) 16.10.2012

(54) DEFENSIVE TECHNIQUES TO INCREASE COMPUTER SECURITY
(73) Google LLC
(72) NORTHUP, Eric P.
(31) 201113277063
(32) 19.10.2011
(33) United States of America

(51) G06F 21/86
G06F 21/71
G06F 21/75
G06F 21/81
(11) EP3073412
(21) EP16161724.6
(47) 07.08.2019
(22) 22.03.2016
(54) DATA PROCESSING SYSTEM WITH TEMPERATURE MONITORING FOR SECURITY
(73) NXP USA, Inc.
(72) ARORA, Mohit
MCQUIRK, Dale
BHARGAVA, Prashant
GALLIMORE, Simon
SEABERG, Charles
(31) 201514667303
(32) 24.03.2015
(33) United States of America

(51) G06K 7/10
G02B 26/10
H04N 5/225
(11) EP3115923
(21) EP15202748.8
(47) 07.08.2019
(22) 24.12.2015
(54) MULTIPLE VIEW SINGLE CAMERA IMAGING SCANNER
(73) NCR Corporation
(72) Detwiler, Paul
(31) 201514795177
(32) 09.07.2015
(33) United States of America

(51) G06K 7/10
G06K 1/12
G06K 19/06
G06K 5/00
G06K 7/14
(11) EP3117365
(21) EP15761633.5
(47) 07.08.2019
(87) JP2015057397
17.09.2015
(22) 06.03.2015
(54) OPTICAL INFORMATION CODE READING METHOD
(73) Ricoh Company, Ltd.
(72) ISHIMI, Tomomi
OHI, Katsuya
KAWAHARA, Shinya
ASAI, Toshiaki
(31) 2014052104
(32) 14.03.2014
(33) Japan

(51) G06K 7/10
G06K 9/18
G01G 19/00
(11) EP2715608
(21) EP12793458.6
(47) 07.08.2019
(87) US2012040605
06.12.2012
(22) 01.06.2012
(54) SYSTEMS AND METHODS FOR WEIGH SCALE PERIMETER MONITORING FOR SCANNER-SCALES
(73) Datalogic USA, Inc.
(72) O'DONNELL, Patrick, M.
MCQUEEN, Alexander, M.
(31) 201113153281
(32) 03.06.2011
(33) United States of America

(51) G06K 9/00
(11) EP2718871
(21) EP12797673.6
(47) 07.08.2019
(87) US2012041531
13.12.2012
(22) 08.06.2012
(54) ENHANCED FACE RECOGNITION IN VIDEO
(73) Amazon Technologies, Inc.
(72) KARAKOTSIOS, Kenneth, M.
FU, Kah Kuen
IVANCHENKO, Volodymyr V.
HUANG, Mingjing
(31) 201113158328
(32) 10.06.2011
(33) United States of America

(51) G06K 9/00
(11) EP2680192
(21) EP13173668.8
(47) 07.08.2019
(22) 25.06.2013
(54) Facial recognition
(73) Google LLC
(72) Sipe, Michael
Schneiderman, Henry Will
Nechyba, Michael
(31) 201213533811
(32) 26.06.2012
(33) United States of America

(51) G06K 9/00
(11) EP2811423
(21) EP14170963.4
(47) 07.08.2019
(22) 03.06.2014
(54) Method and apparatus for detecting target
(73) Ricoh Company, Ltd.
(72) Chen, Chao
Shi, Zhongchao
Lu, Yaojie
Wang, Gang
(31) 201310217323
(32) 03.06.2013
(33) China

(51) G06K 9/00
A61K 35/62
(11) EP2852916
(21) EP13714850.8
(47) 07.08.2019
(87) EP2013000855
31.10.2013
(22) 21.03.2013
(54) COMPUTER VISION BASED METHOD FOR EXTRACTING FEATURES RELATING TO THE DEVELOPMENTAL STAGE OF TRICHURIS SPP, EGGS
(73) Parasite Technologies A/S
Bruun, Johan Musaeus
Carstensen, Jens Michael
Moliin Outzen Kapel, Christiian
(72) BRUUN, Johan Musaeus
CARSTENSEN, Jens Michael
MOLIIN OUTZEN KAPEL, Christiian
(31) 201261639229 P
(32) 27.04.2012
(33) United States of America

(51) G06K 9/20
G06K 9/46
(11) EP3107037
(21) EP14882746.2
(47) 07.08.2019
(87) KR2014005102
20.08.2015
(22) 11.06.2014
(54) ELECTRONIC DEVICE COMPRISING MINIMUM SENSING AREA AND FINGERPRINT INFORMATION PROCESSING METHOD THEREFOR
(73) Canvasbio Co., Ltd.
Crucialsoft Company
(72) PYUN, Baek Bum
LIM, Woo Taek
PARK, Sung Chan
KIM, Jae Han
(31) 20140017512
20140065418
(32) 14.02.2014
29.05.2014
(33) Korea (Republic)
Korea (Republic)

(51) G06K 9/34
G06K 9/68
(11) EP2927843
(21) EP15161595.2
(47) 07.08.2019
(22) 30.03.2015
(54) AN IMAGE FORMING APPARATUS AND SYSTEM, AND AN IMAGE FORMING METHOD
(73) Kyocera Document Solutions Inc.
(72) Hara, Hiroyuki
(31) 2014072101
2014072104
(32) 31.03.2014
31.03.2014
(33) Japan
Japan

(51) G06K 9/46
(11) EP3311333
(21) EP16739218.2
(47) 07.08.2019
(87) FR2016051442
22.12.2016
(22) 15.06.2016
(54) PAIRING OF IMAGES OF POSTAL ARTICLES WITH DESCRIPTORS OF SINGULARITIES OF THE GRADIENT FIELD
(73) Solystic
(72) DESPREZ, Olivier
(31) 1555465
(32) 16.06.2015
(33) France

(51) G06K 9/46

G06T 7/40
G06T 7/00
(11) EP2752791
(21) EP13188111.2
(47) 07.08.2019
(22) 25.01.2007
(54) Method for identifying linear tokens in an image
(73) Tandent Vision Science, Inc.
(72) Smith, Casey Arthur
Friedhoff, Richard Mark
Maxwell, Bruce Allen
(31) 341753
(32) 27.01.2006
(33) United States of America

(51) G06K 9/62
(11) EP2564356
(21) EP11725130.6
(47) 07.08.2019
(87) FR2011050947
03.11.2011
(22) 26.04.2011
(54) COMPUTER TOOL WITH SPARSE REPRESENTATION
(73) INRIA - Institut National de Recherche en Informatique et en Automatique
Universite De Rennes 1
(72) GUILLEMOT, Christine
ZEPEDA, Joaquin
KIJAK, Ewa
(31) 1001771
(32) 26.04.2010
(33) France

(51) G06K 9/62
G06K 9/00
G06K 9/46
(11) EP2770461
(21) EP14155759.5
(47) 07.08.2019
(22) 19.02.2014
(54) Object detecting method and object detecting device
(73) Kabushiki Kaisha Yaskawa Denki
Kyushu Institute of Technology
(72) Ejima, Toshiaki
Enokida, Shuichi
Sadano, Masakazu
Ideguchi, Hisashi
Horiuchi, Tomoyuki
Kono, Toshiyuki
(31) 2013030667
(32) 20.02.2013
(33) Japan

(51) G06K 13/08
(11) EP3139311
(21) EP16186246.1
(47) 07.08.2019
(22) 30.08.2016
(54) SHIELD MEMBER FOR SELECTIVELY SECURING AN ELECTRICAL DEVICE
(73) Goodrich Corporation
(72) KITAOKA, Yasuhide
(31) 201514840825
(32) 31.08.2015
(33) United States of America

(51) G06K 15/02
B41J 13/00
B41J 3/60
(11) EP2402887
(21) EP11171440.8
(47) 07.08.2019
(22) 27.06.2011
(54) PRINTING APPARATUS, CONTROL METHOD OF PRINTING APPARATUS, AND STORAGE MEDIUM
(73) CANON KABUSHIKI KAISHA
(72) Maeda, Yuuki
(31) 2010148202
(32) 29.06.2010
(33) Japan

(51) G06K 19/06
G01J 3/12
G01J 3/28
G06K 19/00
(11) EP3317624
(21) EP16820949.2
(47) 07.08.2019
(87) IL2016050715
12.01.2017
(22) 04.07.2016
(54) OPTICAL IDENTIFICATION AND CHARACTERIZATION SYSTEM AND TAGS
(73) The Whollysee Ltd.
(72) YANSON, Dan
YOFFE, Avraham
(31) 201562188681 P
(32) 05.07.2015
(33) United States of America

(51) G06K 19/067
G06K 19/07
B32B 27/08
B32B 3/26
(11) EP2834075
(21) EP13773028.9
(47) 07.08.2019
(87) US2013033784
10.10.2013
(22) 26.03.2013
(54) INFORMATION CARRYING CARD COMPRISING A CROSS-LINKED POLYMER COMPOSITION, AND METHOD OF MAKING THE SAME
(73) X-Card Holdings, LLC
(72) COX, Mark, A.
(31) 201261619700 P
201213647982
(32) 03.04.2012
09.10.2012
(33) United States of America
United States of America

(51) G06K 19/07
H01Q 1/44
H03D 1/22
H04B 5/00
H03D 1/00
H03F 3/24
(11) EP2883309
(21) EP13836839.4
(47) 07.08.2019
(87) JP2013075209
20.03.2014
(22) 11.09.2013
(54) AMPLIFIER CIRCUIT, ANTENNA MODULE AND WIRELESS COMMUNICATION APPARATUS
(73) Ricoh Company, Ltd.
(72) TSUJI, Masaaki
KAWAHATA, Kohji
TSUKAMOTO, Nobunari
ITOH, Naohiro
(31) 2012201399
2013009536
(32) 13.09.2012
22.01.2013
(33) Japan
Japan

(51) G06K 19/073
G06K 19/07
G06K 7/10
(11) EP2867830
(21) EP13732904.1
(47) 07.08.2019
(87) EP2013063568
03.01.2014
(22) 27.06.2013
(54) METHOD FOR MANAGING THE OPERATING MODE OF A CONTACTLESS TAG, AND RELATED TAG
(73) Orange
Invia
(72) FENZY PEYRE, Caroline
MOREAUX, Christophe
(31) 1256290
(32) 29.06.2012
(33) France

(51) G06K 19/077
(11) EP2973238
(21) EP14773201.0
(47) 07.08.2019
(87) US2014021548
02.10.2014
(22) 07.03.2014
(54) INFORMATION CARRYING CARD FOR DISPLAYING ONE TIME PASSCODES, AND METHOD OF MAKING THE SAME
(73) X-Card Holdings, LLC
(72) COX, Mark, A.
(31) 201361783705 P
(32) 14.03.2013
(33) United States of America

(51) G06K 19/077
(11) EP3158507
(21) EP15738588.1
(47) 07.08.2019
(87) EP2015001202
23.12.2015
(22) 15.06.2015
(54) METHOD AND APPARATUS FOR CONTACT-BASED TRANSMISSION OF DATA TO CONTACTLESS SECURITY MODULES
(73) Giesecke+Devrient Mobile Security GmbH
(72) FINKENZELLER, Klaus
AURACHER, Ulrich
WINKLER, René
HOFFMANN, Steffen
BALDISCHWEILER, Michael
(31) 102014009049
(32) 18.06.2014
(33) Germany

(51) G06K 19/077
G06K 17/00

(11) EP2585378
(21) EP10853564.2
(47) 07.08.2019
(87) FI2010050534
29.12.2011
(22) 22.06.2010
(54) FIBER OR PLASTIC BASED PACKING, APPARATUS, METHOD, PROGRAM AND SYSTEM FOR WIRELESS DATA COMMUNICATION BY FIBER OR PLASTIC BASED PACKING
(73) Stora Enso Oyj
(72) MAIJALA, Juha
MÄKELÄ, Raimo
ILKKA, Petri

(51) G06K 19/077
G06K 19/07
H01R 12/70
H04B 1/3816
H04B 7/24
G06K 7/00
(11) EP2922148
(21) EP14811233.7
(47) 07.08.2019
(87) CN2014079442
18.12.2014
(22) 09.06.2014
(54) USB CONNECTOR AND WIRELESS INTERNET DEVICE
(73) Huawei Device Co., Ltd.
(72) QIAN, Zexu
(31) 201310231241
(32) 09.06.2013
(33) China

(51) G06Q 10/00
G06Q 50/10
(11) EP2486519
(21) EP09760710.5
(47) 07.08.2019
(87) EP2009007166
14.04.2011
(22) 06.10.2009
(54) HUMAN SECURITY AND SURVIVAL SYSTEM
(73) Rochet, Jean-Luc
(72) Rochet, Jean-Luc

(51) G06Q 20/02
G06Q 20/04
G06Q 20/12
G06Q 20/32
G06Q 20/36
G06Q 20/38
G06Q 20/40
H04W 12/08
H04W 12/06
H04L 9/32
H04L 29/06
(11) EP2369545
(21) EP11170659.4
(47) 07.08.2019
(22) 07.05.2003
(54) Method of secure authentication and billing for goods and services using a cellular telecommunication and an authorization infrastructure
(73) Nokia Technologies Oy
(72) Asokan, Nadarajah
Ginzboorg, Philip
(31) 141879
(32) 10.05.2002
(33) United States of America

(51) G06Q 30/02
G06Q 50/14
(11) EP2158567
(21) EP08760542.4
(47) 07.08.2019
(87) EP2008056963
24.12.2008
(22) 05.06.2008
(54) SYSTEM AND METHOD FOR INTEGRATING AND DISPLAYING TRAVEL ADVICES GATHERED FROM A PLURALITY OF RELIABLE SOURCES
(73) Amadeus S.A.S.
(72) NATH, Gourabmoy
(31) 765633
(32) 20.06.2007
(33) United States of America

(51) G06Q 50/00
(11) EP3304482
(21) EP16729168.1
(47) 07.08.2019
(87) US2016035609
08.12.2016
(22) 03.06.2016
(54) SEAMLESS VIRAL ADAPTION
(73) Microsoft Technology Licensing, LLC
(72) RAGHAVENDRA, Chetan Pentam
(31) 201514731732
(32) 05.06.2015
(33) United States of America

(51) G06T 1/20
(11) EP2770477
(21) EP14164566.3
(47) 07.08.2019
(22) 14.10.2012
(54) Dynamically reconfigurable pipelined pre-processor
(73) Analog Devices, Inc.
(72) Rao, Satishchandra G.
Lerner, Boris
Bushey, Robert
Karnam, Gopal Gudhur
Muthusamy, Gokal
Kusstatscher, Benno
Sanjeev, Praveen
Kazhayil, Sreejith
Meyer-Pundsack, Michael
(31) 201161547442 P
(32) 14.10.2011
(33) United States of America

(51) G06T 3/00
(11) EP2811454
(21) EP13170945.3
(47) 07.08.2019
(22) 06.06.2013
(54) Image transformation
(73) Socionext Inc.
(72) Richter, Roland

(51) G06T 5/00
(11) EP3146499
(21) EP15728981.0
(47) 07.08.2019
(87) US2015032302
26.11.2015
(22) 22.05.2015
(54) METHODS AND SYSTEMS FOR SUPPRESSING ATMOSPHERIC TURBULENCE IN IMAGES
(73) Flir Systems, Inc.
Noiseless Imaging Oy Ltd.
(72) FOI, Alessandro
KATKOVNIK, Vladimir
MOLCHANOV, Pavlo
SANCHEZ-MONGE, Enrique
(31) 201462002731 P
(32) 23.05.2014
(33) United States of America

(51) G06T 5/00
G06T 5/40
(11) EP3091505
(21) EP16168498.0
(47) 07.08.2019
(22) 05.05.2016
(54) IMAGE PROCESSOR, ELECTRON MICROSCOPE, AND IMAGE PROCESSING METHOD
(73) JEOL Ltd.
(72) SAGAWA, Ryusuke
(31) 2015095781
(32) 08.05.2015
(33) Japan

(51) G06T 5/00
G06T 5/50
(11) EP2761585
(21) EP12784376.1
(47) 07.08.2019
(87) US2012058197
04.04.2013
(22) 30.09.2012
(54) METHOD FOR STREAMLINING OPTICAL CALIBRATION
(73) Life Technologies Corporation
(72) FREUDENTHAL, Jacob K.
MARKS, Jeffrey A.
CHENG, Francis T.
WESSEL, Thomas
(31) 201161541515 P
201161541453 P
201261660569 P
201261660343 P
(32) 30.09.2011
30.09.2011
15.06.2012
15.06.2012
(33) United States of America
United States of America
United States of America
United States of America

(51) G06T 5/00
H04N 13/302
H04N 21/2343
H04N 21/254
H04N 21/2543
H04N 21/431
H04N 21/4627
H04N 21/81
H04N 21/845
(11) EP3099076
(21) EP15305817.7
(47) 07.08.2019
(22) 29.05.2015

(54) METHOD FOR DISPLAYING A CONTENT FROM 4D LIGHT FIELD DATA
(73) InterDigital CE Patent Holdings
(72) Eluard, Marc
Monsifrot, Antoine
Heen, Olivier
(51) G06T 5/10
A61B 5/055
A61B 6/03
A61B 8/13
G06Q 50/00
A61B 6/00
A61B 5/00
G06T 5/00
G06T 7/11
G06T 7/143
(11) EP2504812
(21) EP09851555.4
(47) 07.08.2019
(87) CA2009001743
03.06.2011
(22) 27.11.2009
(54) METHOD AND SYSTEM FOR FILTERING IMAGE DATA AND USE THEREOF IN VIRTUAL ENDOSCOPY
(73) Cadens Medical Imaging Inc.
(72) VINCENT, Thomas Bernard Pascal
CHANDELIER, Florent André Robert
(51) G06T 7/00
(11) EP2191438
(21) EP08760773.5
(47) 07.08.2019
(87) EP2008057213
29.01.2009
(22) 10.06.2008
(54) METHOD OF GENERATING A MULTISCALE CONTRAST ENHANCED IMAGE
(73) AGFA NV
(72) BERTENS, Tom
VUYLSTEKE, Pieter
(31) 07112825
(32) 20.07.2007
(33) European Patent Office (EPO)
(51) G06T 7/00
(11) EP2697771
(21) EP12715187.6
(47) 07.08.2019
(87) IB2012051449
18.10.2012
(22) 27.03.2012
(54) DEVICE AND METHOD FOR EXTRACTING INFORMATION FROM CHARACTERISTIC SIGNALS
(73) Koninklijke Philips N.V.
(72) DE HAAN, Gerard
BARTULA, Marek Janusz
(31) 11162384
(32) 14.04.2011
(33) European Patent Office (EPO)
(51) G06T 7/00
(11) EP2936432
(21) EP13811178.6
(47) 07.08.2019
(87) EP2013076763
26.06.2014
(22) 16.12.2013
(54) SYSTEM AND METHOD FOR EXTRACTING PHYSIOLOGICAL INFORMATION FROM REMOTELY DETECTED ELECTROMAGNETIC RADIATION
(73) Koninklijke Philips N.V.
(72) SHAN, Caifeng
DUBIELCZYK, Alexander
SCHLACK, Andreas Wolfgang
NEUMANN, Rolf
(31) 12199139
201261740661 P
(32) 21.12.2012
21.12.2012
(33) European Patent Office (EPO)
United States of America
(51) G06T 7/00
F24F 11/54
F24F 11/62
F24F 11/30
(11) EP2618069
(21) EP11824802.0
(47) 07.08.2019
(87) JP2011051916
22.03.2012
(22) 31.01.2011
(54) AIR CONDITIONING CONTROL DEVICE, AIR CONDITIONING CONTROL METHOD AND PROGRAM
(73) Mitsubishi Electric Corporation
(72) KUROIWA, Takeru
ISHIZAKA, Taichi
(31) 2010204974
(32) 13.09.2010
(33) Japan
(51) G06T 7/00
G03B 13/36
G02B 7/36
H04N 9/04
G06T 7/571
G06K 9/46
G01B 11/22
H04N 5/235
H04N 5/232
(11) EP3327667
(21) EP17207655.6
(47) 07.08.2019
(22) 16.09.2014
(54) IMAGE PROCESSING DEVICE, IMAGE CAPTURING APPARATUS, AND IMAGE PROCESSING METHOD FOR OBATINING DEPTH INFORMATION
(73) Canon Kabushiki Kaisha
(72) ISHIHARA, Keiichiro
(31) 2013207018
(32) 02.10.2013
(33) Japan
(51) G06T 7/00
G06T 7/11
(11) EP2610813
(21) EP12189735.9
(47) 07.08.2019
(22) 24.10.2012
(54) Biomarker evaluation through image analysis
(73) Definiens AG
(72) Binnig, Gerd
Athelogou, Maria
Schmidt, Günter
(31) 201113282450
(32) 26.10.2011
(33) United States of America
(51) G06T 7/00
G06T 7/12
G06T 7/143
(11) EP2998933
(21) EP15185456.9
(47) 07.08.2019
(22) 16.09.2015
(54) COMPUTER AIDED DIAGNOSIS APPARATUS AND METHOD BASED ON SIZE MODEL OF REGION OF INTEREST
(73) Samsung Electronics Co., Ltd.
(72) RYU, Seung Woo
KIM, Won Sik
(31) 20140122908
(32) 16.09.2014
(33) Korea (Republic)
(51) G06T 7/00
G06T 15/08
(11) EP3146505
(21) EP15731398.2
(47) 07.08.2019
(87) IB2015053678
26.11.2015
(22) 19.05.2015
(54) VISUALIZATION OF TISSUE OF INTEREST IN CONTRAST-ENHANCED IMAGE DATA
(73) Koninklijke Philips N.V.
(72) WIEMKER, Rafael
KLINDER, Tobias
BUELOW, Thomas
(31) 201462000057 P
(32) 19.05.2014
(33) United States of America
(51) G06T 7/11
G06T 7/33
G06T 7/174
G06T 7/194
G06T 3/00
(11) EP3454298
(21) EP17189567.5
(47) 07.08.2019
(22) 06.09.2017
(54) CAMERA DEVICE AND METHOD FOR RECORDING A FLOW OF OBJECTS
(73) Sick AG
(72) Walter, Stephan
Hafner, Carl
(51) G06T 7/13
G06T 7/174
(11) EP3314572
(21) EP16734204.7
(47) 07.08.2019
(87) EP2016063670
29.12.2016
(22) 15.06.2016
(54) EDGE DETECTION ON IMAGES WITH CORRELATED NOISE
(73) Koninklijke Philips N.V.
(72) KOEHLER, Thomas
PROKSA, Roland
(31) 15174046
(32) 26.06.2015
(33) European Patent Office (EPO)

(51) G06T 7/174
G06T 7/254
G06T 7/73
G06T 7/90
A61B 6/00
A61B 6/03
(11) EP3424017
(21) EP16708110.8
(47) 07.08.2019
(87) EP2016054231
08.09.2017
(22) 29.02.2016
(54) AUTOMATIC DETECTION OF AN ARTIFACT IN PATIENT IMAGE DATA
(73) Brainlab AG
(72) BERTRAM, Pascal
DOMNIK, Birte
CORISCO, Elisa Garcia

(51) G06T 7/33
G06T 7/246
(11) EP2751777
(21) EP11754644.0
(47) 07.08.2019
(87) EP2011065007
07.03.2013
(22) 31.08.2011
(54) METHOD FOR ESTIMATING A CAMERA MOTION AND FOR DETERMINING A THREE-DIMENSIONAL MODEL OF A REAL ENVIRONMENT
(73) Apple Inc.
(72) BENHIMANE, Selim
LIEBERKNECHT, Sebastian
HUBER, Andrea

(51) G06T 7/33
G06T 17/05
G06T 7/73
(11) EP3291176
(21) EP17177600.8
(47) 07.08.2019
(22) 23.06.2017
(54) 2D VEHICLE LOCALIZING USING GEOARCS
(73) The Boeing Company
(72) OWECHKO, Yuri
(31) 201615252120
(32) 30.08.2016
(33) United States of America

(51) G06T 7/35
(11) EP3317853
(21) EP16734214.6
(47) 07.08.2019
(87) EP2016063972
05.01.2017
(22) 17.06.2016
(54) REGISTRATION APPARATUS FOR REGISTERING IMAGES
(73) Koninklijke Philips N.V.
(72) BIPPUS, Rolf, Dieter
KABUS, Sven
GRASS, Michael
(31) 15174551
(32) 30.06.2015
(33) European Patent Office (EPO)

(51) G06T 7/62
A61B 5/107
A61B 8/00
G06F 3/0488
G01S 7/52
A61B 8/08
(11) EP2945122
(21) EP15172774.0
(47) 07.08.2019
(22) 12.03.2014
(54) METHOD OF PROVIDING COPY IMAGE AND ULTRASOUND APPARATUS THEREFOR
(73) Samsung Electronics Co., Ltd
(72) Lee, Jae-ho
Hong, Soon-jae
Yun, Gi-hun
(31) 201361779520 P
20130040025
20130067943
(32) 13.03.2013
11.04.2013
13.06.2013
(33) United States of America
Korea (Republic)
Korea (Republic)

(51) G06T 7/80
(11) EP3097537
(21) EP14805921.5
(47) 07.08.2019
(87) EP2014076281
30.07.2015
(22) 02.12.2014
(54) METHOD AND CONTROLLER FOR DETECTING A CHANGE OF YAW ANGLE OF A VEHICLE-MOUNTED STEREO VIDEO SYSTEM
(73) Robert Bosch GmbH
(72) HILSEBECHER, Joerg
MEYER, Bastian
(31) 102014201271
(32) 24.01.2014
(33) Germany

(51) G06T 7/80
G06T 7/246
G06K 9/62
(11) EP2678824
(21) EP12704804.9
(47) 07.08.2019
(87) EP2012052798
30.08.2012
(22) 17.02.2012
(54) DETERMINING MODEL PARAMETERS BASED ON TRANSFORMING A MODEL OF AN OBJECT
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) ERNST, Andreas
RUF, Tobias
LAUTENSCHLAGER, Felix
PAPST, Anton
THIELECKE, Jörn
KÜBLBECK, Christian
(31) 201161446668 P
(32) 25.02.2011
(33) United States of America

(51) G06T 11/00
(11) EP2011084
(21) EP07755532.4
(47) 07.08.2019
(87) US2007009300
08.11.2007
(22) 17.04.2007
(54) AUTOMATED PATTERN GENERATION PROCESSES
(73) Milliken & Company
(72) MAGEE, Ronald
MCCAY, Jonathan C.
COX, Steven W.
(31) 410605
(32) 24.04.2006
(33) United States of America

(51) G06T 11/00
(11) EP2864964
(21) EP13747868.1
(47) 07.08.2019
(87) IB2013054847
27.12.2013
(22) 13.06.2013
(54) IMAGE RECONSTRUCTION IN INTERLEAVED MULTI-ENERGY IMAGING
(73) Koninklijke Philips N.V.
(72) HOMANN, Hanno Heyke
PROKSA, Roland
(31) 201261662517 P
(32) 21.06.2012
(33) United States of America

(51) G06T 11/60
(11) EP2777025
(21) EP12846930.1
(47) 07.08.2019
(87) JP2012005904
16.05.2013
(22) 14.09.2012
(54) INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM
(73) Sony Corporation
(72) KASAHARA, Shunichi
(31) 2011247568
(32) 11.11.2011
(33) Japan

(51) G06T 11/60
(11) EP3057065
(21) EP16155709.5
(47) 07.08.2019
(22) 15.02.2016
(54) IMAGE PROCESSING METHOD AND ELECTRONIC DEVICE FOR SUPPORTING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) Heo, Yoon Jeong
Wang, Jee Yeun
Park, Kyung Dae
Lee, Hyung Min
(31) 20150022740
(32) 13.02.2015
(33) Korea (Republic)

(51) G06T 11/60
G06K 15/02
H04N 1/409
H04N 1/58
(11) EP3032498
(21) EP15194995.5
(47) 07.08.2019
(22) 17.11.2015

(54) IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, AND A PROGRAM
(73) Canon Kabushiki Kaisha
(72) KIMURA, Hiromi
(31) 2014250712
(32) 11.12.2014
(33) Japan

(51) G06T 17/00
(11) EP2671210
(21) EP12741552.9
(47) 07.08.2019
(87) US2012020686
09.08.2012
(22) 09.01.2012
(54) THREE-DIMENSIONAL ENVIRONMENT RECONSTRUCTION
(73) Microsoft Technology Licensing, LLC
(72) NEWCOMBE, Richard
IZADI, Shahram
MOLYNEAUX, David
HILLIGES, Otmar
KIM, David
SHOTTON, Jamie Daniel Joseph
HODGES, Stephen Edward
BUTLER, David Alexander
FITZGIBBON, Andrew
KOHLI, Pushmeet
(31) 201113017690
(32) 31.01.2011
(33) United States of America

(51) G06T 19/00
G06T 7/00
B60R 21/00
(11) EP2639771
(21) EP12159785.0
(47) 07.08.2019
(22) 16.03.2012
(54) Augmented vision in image sequence generated from a moving vehicle
(73) Volvo Car Corporation
(72) Ödblom, Anders
Nilsson, Jonas

(51) G06T 19/00
H04S 7/00
(11) EP3327677
(21) EP16200752.0
(47) 07.08.2019
(22) 25.11.2016
(54) AN APPARATUS FOR SPATIAL AUDIO AND ASSOCIATED METHOD
(73) Nokia Technologies OY
(72) Lehtiniemi, Arto Juhani
Eronen, Antti Johannes
Leppänen, Jussi Artturi
Arrasvuori, Juha Henrik

(51) G07B 15/00
G07B 15/06
(11) EP2038849
(21) EP07764396.3
(47) 07.08.2019
(87) DE2007001098
03.01.2008
(22) 21.06.2007
(54) METHOD AND APPARATUS FOR ENSURING DATA PROTECTION DURING OFF-BOARD TOLL METERING
(73) Deutsche Telekom AG
(72) EBERSBERGER, Georg
GÜNTHER, Bernd
(31) 102006029383
(32) 27.06.2006
(33) Germany

(51) G07C 9/00
(11) EP2929513
(21) EP13811077.0
(47) 07.08.2019
(87) US2013073013
12.06.2014
(22) 04.12.2013
(54) CAPACITIVE DATA TRANSFER IN AN ELECTRONIC LOCK AND KEY ASSEMBLY
(73) Knox Associates, Dba Knox Company
(72) WOLSKI, Keith, T.
(31) 201213706267
(32) 05.12.2012
(33) United States of America

(51) G07D 5/08
(11) EP3159854
(21) EP15811990.9
(47) 07.08.2019
(87) CN2015081290
30.12.2015
(22) 12.06.2015
(54) COIN DETECTION SYSTEM
(73) Multidimension Technology Co., Ltd.
(72) DEAK, James Geza
GUO, Haiping
(31) 201410284349
(32) 23.06.2014
(33) China

(51) G07D 11/00
(11) EP2859538
(21) EP13727051.8
(47) 07.08.2019
(87) EP2013001649
12.12.2013
(22) 05.06.2013
(54) METHOD AND APPARATUS FOR PROCESSING VALUE DOCUMENTS
(73) Giesecke+Devrient Currency Technology GmbH
(72) DOPFER, Peter
DEMMELER, Erwin
DICKLBERGER, Oskar
HILDEBRANDT, Thomas
(31) 102012011231
(32) 06.06.2012
(33) Germany

(51) G07D 11/00
(11) EP3333813
(21) EP17187017.3
(47) 07.08.2019
(22) 21.08.2017
(54) PAPER SHEET HANDLING APPARATUS
(73) Masterwork Automodules Tech Corp. Ltd
(72) YANG, Wen-Fu
(31) 105140557
(32) 08.12.2016
(33) Taiwan, Province of China

(51) G07D 11/00
B65H 5/06
B65H 29/12
(11) EP3361453
(21) EP16852997.2
(47) 07.08.2019
(87) CN2016084920
13.04.2017
(22) 06.06.2016
(54) FLATTENING DEVICE AND FINANCIAL SELF-SERVICE EQUIPMENT
(73) GRG Banking Equipment Co., Ltd.
(72) LIANG, Tiancai
ZHANG, Chengye
LIU, Daoyu
ZHAO, Fei
FANG, Minjie
(31) 201510648679
(32) 09.10.2015
(33) China

(51) G07F 7/10
G07F 19/00
H01Q 1/24
(11) EP1782398
(21) EP05779719.3
(47) 07.08.2019
(87) FR2005001599
02.02.2006
(22) 24.06.2005
(54) PORTABLE DEVICE WITH ANTENNA AND PRINTING SUBSTRATE SUPPORT
(73) INGENICO GROUP
(72) LARINIER, Claude
(31) 0406899
(32) 24.06.2004
(33) France

(51) G07F 11/36
(11) EP2535878
(21) EP12171962.9
(47) 07.08.2019
(22) 14.06.2012
(54) Product vending machine
(73) Rheavendors Industries SpA
(72) Borra, Paolo
(31) MI20111097
(32) 17.06.2011
(33) Italy

(51) G08B 13/12
(11) EP2633503
(21) EP11787921.3
(47) 07.08.2019
(87) FR2011052476
03.05.2012
(22) 24.10.2011
(54) FENCE WITH LOCALIZED INTRUSION DETECTION
(73) Société Rhodanienne d'Electronique Appliquée
(72) BOMPARET, Bruno
(31) 1004529
1004281
(32) 22.11.2010
29.10.2010
(33) France
France

(51) G08B 13/12
(11) EP2905758
(21) EP14154182.1
(47) 07.08.2019
(22) 06.02.2014
(54) Device for monitoring a container
(73) Wincor Nixdorf International GmbH

(72) Dietz, Oliver
Dr. Knobloch, Alexander

(51) G08B 13/12
(11) EP3317863
(21) EP16757546.3
(47) 07.08.2019
(87) DE2016100287
05.01.2017
(22) 27.06.2016
(54) ANTI-CLIMBING DEVICE
(73) Dölling, Stefan
(72) Dölling, Stefan
(31) 202015103450 U
(32) 01.07.2015
(33) Germany

(51) G08B 13/196
(11) EP3264380
(21) EP17176465.7
(47) 07.08.2019
(22) 16.06.2017
(54) SYSTEM AND METHOD FOR IMMERSIVE AND COLLABORATIVE VIDEO SURVEILLANCE
(73) Honeywell International Inc.
(72) VADAMALAYAN, MuthuRamji
SUBBIAN, Deepakumar
PERIYASAMY, Kathiresan
(31) 201615198377
(32) 30.06.2016
(33) United States of America

(51) G08B 13/196
G08B 25/00
(11) EP2898486
(21) EP13766044.5
(47) 07.08.2019
(87) EP2013069624
27.03.2014
(22) 20.09.2013
(54) SAFETY REPORTING NETWORK WITH ALARM-NOTIFICATION AND ALARM-VERIFICATION FUNCTION, AND THE METHOD
(73) Robert Bosch GmbH
(72) BAUMANN, Andreas
(31) 102012217128
(32) 24.09.2012
(33) Germany

(51) G08B 13/24
E05B 73/00
(11) EP3317864
(21) EP16738629.1
(47) 07.08.2019
(87) US2016040387
05.01.2017
(22) 30.06.2016
(54) SECURITY TAG AND METHOD FOR OPERATING THE SAME
(73) Sensormatic Electronics, LLC
(72) ALICOT, Jorge
DAY, Alan
TURGEON, Charles, T.
(31) 201514790215
(32) 02.07.2015
(33) United States of America

(51) G08B 17/107
(11) EP3454312
(21) EP17190310.7
(47) 07.08.2019
(22) 11.09.2017
(54) OPTICAL SMOKE ALARM WITH A PIVOTABLE CONDUCTOR PLATE SECTION WITH A LIGHT TRANSMITTER AND/OR RECEIVER ARRANGED ON SAME
(73) Siemens Schweiz AG
(72) Ebner, Harald
Konrad, Hilmar

(51) G08B 21/00
(11) EP2580746
(21) EP11796102.9
(47) 07.08.2019
(87) US2011024239
22.12.2011
(22) 09.02.2011
(54) BURST INDICATOR
(73) Fike Corporation
(72) WALKER, Joseph, A.
SHAW, Bon, F.
(31) 815252
(32) 14.06.2010
(33) United States of America

(51) G08B 21/06
(11) EP3264382
(21) EP17179153.6
(47) 07.08.2019
(22) 30.06.2017
(54) SAFETY DRIVING SYSTEM
(73) Sham, Wellen
(72) Sham, Wellen
(31) 201615199268
(32) 30.06.2016
(33) United States of America

(51) G08C 17/02
(11) EP3084742
(21) EP14824457.7
(47) 07.08.2019
(87) EP2014078545
25.06.2015
(22) 18.12.2014
(54) PORTABLE CONTROL APPARATUS FOR REMOTE CONTROL OF A PLURALITY OF DOMESTIC APPLIANCES, SYSTEM, CORRESPONDING METHOD AND COMPUTER PROGRAM PRODUCT
(73) BSH Hausgeräte GmbH
(72) WINDE, Mirco
(31) 102013226362
(32) 18.12.2013
(33) Germany

(51) G08C 17/02
(11) EP3153786
(21) EP15806603.5
(47) 07.08.2019
(87) JP2015065994
17.12.2015
(22) 03.06.2015
(54) REMOTE CONTROL DEVICE
(73) Daikin Industries, Ltd.
(72) YAMAMOTO, Ryousuke
HAYASHI, Mario
KOBAYASHI, Yasuaki
HIGUCHI, Tatsuya
INOUE, Ryouji
INOUE, Yukio
KITAGAWA, Natsuko
YOSHIMURA, Takeshi
YAGI, Asuka
KATOU, Youta
(31) 2014118264
(32) 09.06.2014
(33) Japan

(51) G08G 1/0968
G08G 1/0967
G01C 21/34
G08G 1/01
(11) EP2973493
(21) EP14721577.6
(47) 07.08.2019
(87) US2014022525
25.09.2014
(22) 10.03.2014
(54) EVENT-BASED TRAFFIC ROUTING
(73) Inrix, Inc.
(72) SCOFIELD, Christopher, L.
DAYMOND, Mark
(31) 201313838685
(32) 15.03.2013
(33) United States of America

(51) G09F 3/06
G09F 3/00
G09F 3/20
H01R 9/26
(11) EP3298605
(21) EP16727934.8
(47) 07.08.2019
(87) DE2016100230
24.11.2016
(22) 19.05.2016
(54) IDENTIFICATION PLATE STRIPS FOR A ROW OF ADJACENTLY ARRANGED ELECTRIC TERMINALS, AND ARRANGEMENT
(73) CONTA-CLIP Verbindungstechnik GmbH
(72) NOWASTOWSKI-STOCK, Jörg
(31) 202015102586 U
(32) 20.05.2015
(33) Germany

(51) G09F 3/20
(11) EP3373277
(21) EP18158005.1
(47) 07.08.2019
(22) 22.02.2018
(54) DEVICE FOR LABELLING AN ELONGATED OBJECT
(73) Murrplastik Systemtechnik GmbH
(31) 102017104756
(32) 07.03.2017
(33) Germany

(51) G09F 7/18
G09F 15/00
G09F 1/10
(11) EP3198584
(21) EP15771010.4
(47) 07.08.2019
(87) DK2015050256
31.03.2016
(22) 01.09.2015
(54) MAGNETIC POSTER HOLDER DEVICE AND METHOD FOR DETACHABLE POSTER HANGING
(73) MAGSEE GmbH
(72) PEDERSEN, Tomas
(31) 201400538

201470627
(32) 22.09.2014
10.10.2014
(33) Denmark
Denmark

(51) G09G 3/32
(11) EP3360126
(21) EP16770251.3
(47) 07.08.2019
(87) EP2016072186
13.04.2017
(22) 19.09.2016
(54) MATRIX CIRCUIT FOR A DISPLAY DEVICE OF A DOMESTIC APPLIANCE, DISPLAY DEVICE, AND DOMESTIC APPLIANCE
(73) BSH Hausgeräte GmbH
(72) AZIZ, Abdul
GIETL, Günter
GALLUS, Christoph
(31) 102015219490
(32) 08.10.2015
(33) Germany

(51) G09G 3/34
(11) EP3067880
(21) EP16150250.5
(47) 07.08.2019
(22) 15.09.2009
(54) IMPROVED POWER MANAGEMENT FOR MODULATED BACKLIGHTS
(73) Dolby Laboratories Licensing Corporation
(72) Wallener, Damir
Messmer, Neil W.
(31) 101448 P
(32) 30.09.2008
(33) United States of America

(51) G10K 11/178
F16F 7/10
H04R 29/00
(11) EP3455849
(21) EP17780706.2
(47) 07.08.2019
(87) EP2017075116
07.06.2018
(22) 04.10.2017
(54) ACTIVE VIBRATION ABSORPTION SYSTEM FOR ABSORBING VIBRATION OF A VIBRATING ELEMENT, MOTOR VEHICLE HAVING THE ACTIVE VIBRATION ABSORPTION SYSTEM, AND METHOD FOR OPERATING THE ACTIVE VIBRATION ABSORPTION SYSTEM
(73) Audi AG
(72) DREFFKE, Gerald
HINRICHSEN, Lars
BOCK, Florian
(31) 102016223864
(32) 30.11.2016
(33) Germany

(51) G10K 11/178
H04R 3/00
(11) EP2590163
(21) EP12190517.8
(47) 07.08.2019
(22) 30.10.2012
(54) Overload Protection For Loudspeakers In Exhaust Systems
(73) Eberspächer Exhaust Technology GmbH & Co. KG
(72) Schumacher, Uwe
Lücking, Christof
Nicolai, Manfred
(31) 102011117495
(32) 02.11.2011
(33) Germany

(51) G10K 15/02
H04R 3/12
(11) EP2352143
(21) EP09828819.4
(47) 07.08.2019
(87) JP2009006302
03.06.2010
(22) 24.11.2009
(54) SOUND OUTPUT DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) NAGASAWA, Sinnosuke
NAKAMURA, Yoshio
(31) 2008300498
(32) 26.11.2008
(33) Japan

(51) G10L 15/00
G10L 15/22
G10L 15/30
(11) EP2339576
(21) EP10165480.4
(47) 07.08.2019
(22) 10.06.2010
(54) Multi-modal input on an electronic device
(73) Google LLC
(72) Ballinger, Brandon M.
Schalkwyk, Johan
Cohen, Michael H.
Byrne, William J.
Hafsteinsson, Gudmundur
LeBeau, Michael J.
(31) 289968 P
330219 P
(32) 23.12.2009
30.04.2010
(33) United States of America
United States of America

(51) G10L 15/08
H04L 29/08
G10L 15/26
G10L 17/00
H04L 12/58
H04M 3/22
(11) EP3143731
(21) EP15709729.6
(47) 07.08.2019
(87) GB2015050580
19.11.2015
(22) 27.02.2015
(54) DIGITAL MESSAGING SYSTEM
(73) JPY Limited
(72) YARDLEY, John Paul
(31) 201408302
(32) 12.05.2014
(33) United Kingdom

(51) G10L 15/26
G06F 17/28
G09B 21/00
G10L 17/22
(11) EP2898505
(21) EP13759354.7
(47) 07.08.2019
(87) US2013055900
27.03.2014
(22) 21.08.2013
(54) LEVERAGING HEAD MOUNTED DISPLAYS TO ENABLE PERSON-TO-PERSON INTERACTIONS
(73) Qualcomm Incorporated
(72) FORUTANPOUR, Babak
BAKER, Daniel S.
(31) 201261702614 P
201313739925
(32) 18.09.2012
11.01.2013
(33) United States of America
United States of America

(51) G10L 19/002
(11) EP3109859
(21) EP14885915.0
(47) 07.08.2019
(87) CN2014092658
24.09.2015
(22) 01.12.2014
(54) SIGNAL PROCESSING METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) ZHOU, Xuan
MIAO, Lei
LIU, Zexin
(31) 201410101859
(32) 19.03.2014
(33) China

(51) G10L 19/008
G10L 19/002
H04S 3/00
(11) EP3143613
(21) EP15725953.2
(47) 07.08.2019
(87) US2015031072
19.11.2015
(22) 15.05.2015
(54) HIGHER ORDER AMBISONICS SIGNAL COMPRESSION
(73) Qualcomm Incorporated
(72) KIM, Moo Young
(31) 201461994800 P
201462004145 P
201514712661
(32) 16.05.2014
28.05.2014
14.05.2015
(33) United States of America
United States of America
United States of America

(51) G10L 19/008
G10L 25/06
(11) EP3427259
(21) EP17709654.2
(47) 07.08.2019
(87) EP2017055430
14.09.2017
(22) 08.03.2017
(54) A METHOD AND APPARATUS FOR INCREASING STABILITY OF AN INTER-CHANNEL TIME DIFFERENCE PARAMETER
(73) Telefonaktiebolaget LM Ericsson (PUBL)

(72) NORVELL, Erik
JANSSON TOFTGÅRD, Tomas
(31) 201662305683 P
(32) 09.03.2016
(33) United States of America

(51) G10L 21/0316
H04M 3/56
H04R 3/00
G10L 21/0272
(11) EP3288030
(21) EP17186408.5
(47) 07.08.2019
(22) 16.08.2017
(54) GAIN ADJUSTMENT APPARATUS AND GAIN ADJUSTMENT METHOD
(73) FUJITSU LIMITED
(72) Nakayama, Sayuri
Togawa, Taro
Otani, Takeshi
(31) 2016164153
(32) 24.08.2016
(33) Japan

(51) G10L 25/84
G10L 25/18
G01R 23/16
G01R 23/167
(11) EP3238210
(21) EP15832686.8
(47) 07.08.2019
(87) EP2015081128
30.06.2016
(22) 23.12.2015
(54) METHOD FOR PROCESSING AND ANALYSING A SIGNAL, AND DEVICE IMPLEMENTING SAID METHOD
(73) Reza, Yves, Jean-Paul, Guy
(72) Reza, Yves, Jean-Paul, Guy
(31) 201405159
(32) 24.12.2014
(33) Belgium

(51) G11B 15/68
G11B 17/28
(11) EP2551852
(21) EP11759171.9
(47) 07.08.2019
(87) JP2011054996
29.09.2011
(22) 03.03.2011
(54) LIBRARY DEVICE, CONTROL METHOD, AND PROGRAM
(73) NEC Platforms, Ltd.
(72) SUZUKI, Takeshi
YOSHIDA, Toru
(31) 2010068020
(32) 24.03.2010
(33) Japan

(51) G11B 20/00
G06F 21/10
H04H 20/31
H04N 5/913
H04L 29/06
(11) EP2302553
(21) EP10185523.7
(47) 07.08.2019
(22) 16.10.2002
(54) System and method for controlled copying and moving of content
(73) Nokia Technologies Oy
(72) Alve, Jukka
Chiu, Peter
Yan, Zheng
Hietasarka, Juha
(31) 982573
(32) 18.10.2001
(33) United States of America

(51) G11B 20/18
G11B 20/12
G11B 7/007
(11) EP1602104
(21) EP04719681.1
(47) 07.08.2019
(87) KR2004000503
23.09.2004
(22) 11.03.2004
(54) Apparatus for recording data on a write once disc
(73) Samsung Electronics Co., Ltd.
(72) HWANG, Sung-Hee
KO, Jung-Wan
LEE, Kyung-Geun
(31) 2003015858
2003019964
477955 P
2004007533
(32) 13.03.2003
31.03.2003
13.06.2003
05.02.2004
(33) Korea (Republic)
Korea (Republic)
United States of America
Korea (Republic)

(51) G11B 27/10
G11B 27/22
G11B 27/28
G11B 27/30
G06F 3/0484
H04N 7/088
G11B 19/02
G11B 27/00
H04N 5/76
(11) EP2953133
(21) EP15170892.2
(47) 07.08.2019
(22) 05.06.2015
(54) METHOD AND DEVICE OF PLAYING MULTIMEDIA
(73) Xiaomi Inc.
(72) Wang, Bin
Zheng, Zhiguang
Ji, Dongfang
(31) 201410250800
(32) 06.06.2014
(33) China

(51) G11C 5/14
(11) EP3157011
(21) EP15189603.2
(47) 07.08.2019
(22) 13.10.2015
(54) CHARGE PUMP REGULATION
(73) NXP B.V.
(72) Pimentel, Ivan

(51) G11C 7/06
G11C 7/10
(11) EP3152760
(21) EP15803466.0
(47) 07.08.2019
(87) US2015034105
10.12.2015
(22) 04.06.2015
(54) PERFORMING LOGICAL OPERATIONS USING SENSING CIRCUITRY
(73) Micron Technology, Inc.
(72) HUSH, Glen E.
(31) 201462008041 P
201514721086
(32) 05.06.2014
26.05.2015
(33) United States of America
United States of America

(51) G11C 11/16
G11C 13/00
(11) EP3268967
(21) EP16709245.1
(47) 07.08.2019
(87) US2016020198
15.09.2016
(22) 01.03.2016
(54) WRITE DRIVER CIRCUITS FOR RESISTIVE RANDOM ACCESS MEMORY ARRAYS
(73) Qualcomm Incorporated
(72) KIM, Jung Pill
KIM, Sungryul
KIM, Taehyun
(31) 201514644631
(32) 11.03.2015
(33) United States of America

(51) G11C 11/4093
G11C 5/06
G11C 11/4076
G11C 7/22
G11C 5/04
G11C 7/10
H03K 19/00
H04L 25/02
G06F 13/40
(11) EP3208806
(21) EP17156430.5
(47) 07.08.2019
(22) 16.02.2017
(54) TERMINATION TOPOLOGY OF MEMORY SYSTEM AND ASSOCIATED MEMORY MODULE AND CONTROL METHOD
(73) MediaTek Inc.
(72) CHEN, Shang-Pin
HSIEH, Bo-Wei
(31) 201662298005 P
201662362079 P
201662363379 P
201615390692
201715424882
(32) 22.02.2016
14.07.2016
18.07.2016
26.12.2016
05.02.2017
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) G11C 11/419

G11C 11/412
H01L 27/11
G11C 11/413
(11) EP3010022
(21) EP15189612.3
(47) 07.08.2019
(22) 13.10.2015
(54) MEMORY CELL WITH MOSFET AND TFET READING TRANSISTORS
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) THOMAS, Olivier
ANGHEL, Costin
MAKOSIEJ, Adam
(31) 1459985
(32) 17.10.2014
(33) France

(51) G11C 13/00
(11) EP2715731
(21) EP12790300.3
(47) 07.08.2019
(87) JP2012056788
29.11.2012
(22) 09.03.2012
(54) SEMICONDUCTOR MEMORY DEVICE
(73) TOSHIBA MEMORY CORPORATION
(72) DEGUCHI, Jun
TODA, Haruki
(31) 2011117555
(32) 26.05.2011
(33) Japan

(51) G11C 13/00
G11C 8/16
(11) EP3282449
(21) EP15893702.9
(47) 07.08.2019
(87) CN2015080610
08.12.2016
(22) 02.06.2015
(54) SIGNAL PROCESSING CIRCUIT
(73) Huawei Technologies Co. Ltd.
(72) ZHANG, Yide
ZENG, Zhigang
ZHU, Yidong
CAO, Mingfu
ZHAO, Junfeng

(51) G11C 13/00
G11C 16/34
G11C 16/26
G11C 11/16
G11C 11/56
(11) EP2678864
(21) EP12749593.5
(47) 07.08.2019
(87) US2012026329
30.08.2012
(22) 23.02.2012
(54) RESISTIVE MEMORY SENSING METHODS AND DEVICES
(73) Micron Technology, Inc.
(72) JOHNSON, Adam, D.
(31) 201113035193
(32) 25.02.2011
(33) United States of America

(51) G11C 13/00
H01L 27/10
(11) EP3008731
(21) EP14811475.4
(47) 07.08.2019
(87) US2014041591
18.12.2014
(22) 09.06.2014
(54) MEMORY DEVICES AND MEMORY OPERATIONAL METHODS
(73) Micron Technology, Inc.
(72) OTSUKA, Wataru
KUNIHIRO, Takafumi
TSUSHIMA, Tomohito
KITAGAWA, Makoto
SUMINO, Jun
(31) 201313914415
(32) 10.06.2013
(33) United States of America

(51) G11C 16/08
G11C 16/04
G11C 16/14
G11C 16/28
G11C 16/30
G11C 7/14
(11) EP3347899
(21) EP16758011.7
(47) 07.08.2019
(87) US2016046925
16.03.2017
(22) 12.08.2016
(54) FLASH MEMORY SYSTEM USING DUMMY MEMORY CELL AS SOURCE LINE PULL DOWN CIRCUIT
(73) Silicon Storage Technology Inc.
(72) BAI, Ning
TRAN, Hieu, Van
RAO, Qing
GHAZAVI, Parviz
YUE, Kai, Man
(31) 201510647190
201514919005
(32) 11.09.2015
21.10.2015
(33) China
United States of America

(51) G11C 16/12
G11C 16/30
G11C 16/06
G11C 16/02
G11C 16/14
(11) EP2892054
(21) EP12883828.1
(47) 07.08.2019
(87) JP2012071822
06.03.2014
(22) 29.08.2012
(54) SEMICONDUCTOR DEVICE
(73) Renesas Electronics Corporation
(72) OGAWA, Tomoya
ITO, Takashi
TOMOEDA, Mitsuhiro

(51) G11C 16/22
(11) EP3259758
(21) EP16706086.2
(47) 07.08.2019
(87) US2016016347
25.08.2016
(22) 03.02.2016
(54) FLASH MEMORY DEVICE CONFIGURABLE TO PROVIDE READ ONLY MEMORY FUNCTIONALITY
(73) Silicon Storage Technology, Inc.
(72) TRAN, Hieu, Van
LY, Anh
VU, Thuan
NGUYEN, Hung, Quoc
(31) 201514624476
(32) 17.02.2015
(33) United States of America

(51) G11C 23/00
G11C 11/50
G11C 11/52
H01H 1/00
H01H 59/00
(11) EP2887354
(21) EP13198870.1
(47) 07.08.2019
(22) 20.12.2013
(54) Nano-electro-mechanical based memory
(73) IMEC VZW
Katholieke Universiteit Leuven
(72) Cosemans, Stefan
Witvrouw, Ann
Ramezani, Maliheh

(51) G16B 20/00
G16B 30/00
G16B 40/00
C12Q 1/6827
(11) EP3317794
(21) EP16741365.7
(47) 07.08.2019
(87) GB2016000135
05.01.2017
(22) 30.06.2016
(54) METHOD FOR INTERROGATING MIXTURES OF NUCLEIC ACIDS
(73) The Secretary of State for Defence
(72) PAYNE, Phillippa Maria
STROUD, Jake Patrick
(31) 201511445
(32) 30.06.2015
(33) United Kingdom

(51) G16H 10/20
G16H 10/60
(11) EP3089060
(21) EP15198304.6
(47) 07.08.2019
(22) 07.12.2015
(54) SYSTEM FOR CALCULATING SIMILARITIES BETWEEN DRUGS AND USING THE SIMILARITIES TO EXTRAPOLATE SIDE EFFECTS
(73) FUJITSU LIMITED
(72) MUÑOZ JIMÉNEZ, Emir Fernando
ABDELRAHMAN, Ahmed
NOVACEK, Vit
VANDENBUSSCHE, Pierre-Yves
(31) 201507501
(32) 30.04.2015
(33) United Kingdom

(51) G16H 20/17
(11) EP2297662
(21) EP09738570.2
(47) 07.08.2019
(87) IL2009000453
05.11.2009
(22) 28.04.2009
(54) METHODS AND APPARATUSES FOR SELECTING A BOLUS DELIVERY

PATTERN IN A DRUG DELIVERY DEVICE
(73) F. Hoffmann-La Roche AG
(72) YODFAT, Ofer
GESCHEIT, Iddo M.
SHAPIRA, Gali
(31) 48849
(32) 29.04.2008
(33) United States of America

(51) G16H 20/40
(11) EP3433862
(21) EP17729862.7
(47) 07.08.2019
(87) EP2017064396
20.12.2018
(22) 13.06.2017
(54) BINARY TRACKING ON MEDICAL IMAGES
(73) Brainlab AG
(72) DOMNIK, Birte
BERLINGER, Kajetan

(51) G16H 40/63
(11) EP2638490
(21) EP11787755.5
(47) 07.08.2019
(87) US2011058664
18.05.2012
(22) 31.10.2011
(54) MANUALLY INITIATING WIRELESS TRANSMISSION OF RESUSCITATION EVENT DATA TO MEDICAL DEVICE
(73) Physio-Control, Inc.
(72) DAYNES, Nathan, Woodruff
DAYNES, John, Carlton
(31) 201113191334
413297 P
(32) 26.07.2011
12.11.2010
(33) United States of America
United States of America

(51) G16H 40/63
G16H 20/17
(11) EP2277123
(21) EP09738571.0
(47) 07.08.2019
(87) IL2009000454
05.11.2009
(22) 28.04.2009
(54) A METHOD FOR SELECTING BOLUS DOSES AND BOLUS DELIVERY PATTERNS IN A DRUG DELIVERY DEVICE
(73) F. Hoffmann-La Roche AG
(72) YODFAT, Ofer
GESCHEIT, Iddo M.
SHAPIRA, Gali
(31) 48856
(32) 29.04.2008
(33) United States of America

(51) G16H 40/67
G06F 1/16
H04L 29/08
A61M 5/31
A61M 15/00
G16H 20/13
(11) EP3077932
(21) EP14806636.8
(47) 07.08.2019
(87) EP2014076482
11.06.2015
(22) 04.12.2014
(54) MEDICAL DEVICE CONNECTION STATION
(73) Ares Trading SA
(72) LAUCHARD, Gerhard
WALDER, Gerhard
LEGNER, Alexander
CHANIE, Eric
KOUVAS, Georgios
(31) 13195960
14150908
14150907
(32) 05.12.2013
13.01.2014
13.01.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) G21C 1/20
G21C 3/328
G21C 15/06
G21C 3/322
G21C 3/324
G21C 3/32
G21C 15/22
G21C 15/28
G21C 5/12
(11) EP3301683
(21) EP17198778.7
(47) 07.08.2019
(22) 13.06.2013
(54) A PRESSURE-TUBE NUCLEAR REACTOR WITH A LOW PRESSURE MODERATOR AND FUEL CHANNEL ASSEMBLY
(73) Atomic Energy of Canada Limited/ Énergie Atomique du Canada Limitée
(72) YETISIR, Metin
GAUDET, Michel
RHODES, David, Bruce
KING, James, Mitchell
DIAMOND, William, T.
LI, Jintong
(31) 201261659229 P
201261659219 P
(32) 13.06.2012
13.06.2012
(33) United States of America
United States of America

(51) G21C 9/016
G21C 13/10
G21C 15/18
(11) EP3236472
(21) EP15870434.6
(47) 07.08.2019
(87) RU2015000781
23.06.2016
(22) 16.11.2015
(54) SYSTEM FOR CONFINING AND COOLING MELT FROM THE CORE OF A WATER COOLED AND MODERATED REACTOR
(73) Joint Stock Company "Atomenergoproekt"
(72) NEDOREZOV, Andrey Borisovich
SIDOROV, Aleksandr Stalevich
(31) 2014150938
(32) 16.12.2014
(33) Russian Federation

(51) G21C 13/06
G21C 3/30
G21C 3/334
G21C 3/335
G21C 19/105
G21C 19/20
(11) EP3234948
(21) EP15817806.1
(47) 07.08.2019
(87) EP2015080460
23.06.2016
(22) 18.12.2015
(54) FUEL ASSEMBLY FOR AN SFR NUCLEAR REACTOR, COMPRISING A HOUSING CONTAINING A REMOVABLY FASTENED UPPER NEUTRON SHIELDING DEVICE
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) LORENZO, Denis
BECK, Thierry
MAILHE, Guy
(31) 1463003
(32) 19.12.2014
(33) France

(51) G21C 19/18
G21C 19/19
G21C 19/32
(11) EP3438991
(21) EP18158947.4
(47) 07.08.2019
(22) 27.02.2018
(54) MODULAR LOWER MOVING SYSTEM FOR NUCLEAR FUEL HANDLING AND METHOD OF REFUELING NUCLEAR FUEL USING THE SAME
(73) Kepco Engineering & Construction Company, Inc.
(72) KO, Kwang Jeok
LEE, Ho Jung
KIM, Min Gyu
CHO, Yeon Ho
KIM, Hyun Min
(31) 20170098522
(32) 03.08.2017
(33) Korea (Republic)

(51) G21F 3/02
G21F 3/025
A41D 13/12
(11) EP3227891
(21) EP15823385.8
(47) 07.08.2019
(87) IB2015059216
09.06.2016
(22) 30.11.2015
(54) STERILIZABLE AND RADIO-OPAQUE COMPOSITE MATERIAL, AS WELL AS PRODUCT MANUFACTURED WITH SAID MATERIAL
(73) Servizi Ospedalieri S.p.A.
(72) FRANCESCHINI, Alberto
(31) VR20140300
(32) 01.12.2014
(33) Italy

(51) G21F 7/015
G21F 7/04

B01L 3/04
B25J 21/00
(11) EP2800627
(21) EP12864425.9
(47) 07.08.2019
(87) SE2012051425
11.07.2013
(22) 19.12.2012
(54) SYSTEM FOR CONTROLLING ENVIRONMENT IN A REACTION BOX
(73) P M B
(72) LÅNGSTRÖM, Bengt
SJÖBERG, Carl-Olof
(31) 1250005
(32) 05.01.2012
(33) Sweden

(51) H01B 1/02
(11) EP3104369
(21) EP16173721.8
(47) 07.08.2019
(22) 09.06.2016
(54) COMPOSITE ELECTRIC WIRE STRUCTURE AND METHOD FOR MANUFACTURING THE SAME
(73) Korea Institute of Science and Technology
(72) JO, Han Ik
SON, Su Young
LEE, Sung Ho
LEE, Dong Su
KIM, Tae-Wook
(31) 20150081520
(32) 09.06.2015
(33) Korea (Republic)

(51) H01B 3/30
C08F 10/02
C08F 10/04
C08K 3/26
C08K 5/13
H01B 3/44
(11) EP2992534
(21) EP14791383.4
(47) 07.08.2019
(87) DK2014050113
06.11.2014
(22) 29.04.2014
(54) ELECTRICAL CABLE
(73) NKT CABLES A/S
(72) POULSEN, Keld Venø
JØRGENSEN, Thomas Friis
(31) 201370241
(32) 01.05.2013
(33) Denmark

(51) H01B 5/00
G06F 3/041
B81B 7/00
H05K 3/00
(11) EP3144940
(21) EP15792930.8
(47) 07.08.2019
(87) KR2015004530
19.11.2015
(22) 07.05.2015
(54) CONDUCTIVE STRUCTURE AND PREPARATION METHOD THEREFOR
(73) LG Chem, Ltd.
(72) LIM, Jin Hyong
JANG, Song Ho
KIM, Ki-Hwan
KIM, Yong Chan
YOON, Junghwan
PARK, Chan Hyoung
LEE, Ilha
(31) 20140056765
(32) 12.05.2014
(33) Korea (Republic)

(51) H01B 5/14
B32B 9/00
C23C 14/08
H01L 31/049
H01B 1/08
H01L 31/18
(11) EP3001428
(21) EP14801737.9
(47) 07.08.2019
(87) JP2014060791
27.11.2014
(22) 16.04.2014
(54) CONDUCTIVE FILM AND ELECTRONIC DEVICE HAVING CONDUCTIVE FILM
(73) Lintec Corporation
(72) HARA Tsutomu
NAGANAWA Satoshi
NAGAMOTO Koichi
(31) 2013108523
(32) 23.05.2013
(33) Japan

(51) H01F 1/00
H02P 13/06
H02J 3/18
(11) EP3392996
(21) EP17167649.7
(47) 07.08.2019
(22) 21.04.2017
(54) LONGITUDINAL VOLTAGE REGULATION AT THE LINE TERMINALS OF A PHASE SHIFTING TRANSFORMER
(73) ABB Schweiz AG
(72) WICHERT, Marko
JUCHEM, Kevin
DERIGS, Oliver

(51) H01F 5/00
(11) EP3114695
(21) EP15713392.7
(47) 07.08.2019
(87) EP2015054552
11.09.2015
(22) 04.03.2015
(54) DOUBLE HELIX CONDUCTOR WITH EIGHT CONNECTORS AND COUNTER-ROTATING FIELDS
(73) Medical Energetics Ltd.
(72) SCHMIDT, David
(31) 201461966858 P
(32) 05.03.2014
(33) United States of America

(51) H01F 7/02
F16B 12/14
(11) EP3327735
(21) EP17204147.7
(47) 07.08.2019
(22) 28.11.2017
(54) MAGNET DEVICE
(73) Polenz, Jürgen
(72) Polenz, Jürgen
(31) 102016122872
(32) 28.11.2016
(33) Germany

(51) H01F 17/00
H03H 7/01
(11) EP3276643
(21) EP17174707.4
(47) 07.08.2019
(22) 07.06.2017
(54) MULTILAYER FILTER
(73) Murata Manufacturing Co., Ltd.
(72) Masuda, Hiroshi
Yuasa, Rumiko
(31) 2016149554
(32) 29.07.2016
(33) Japan

(51) H01F 17/04
(11) EP2705519
(21) EP12717755.8
(47) 07.08.2019
(87) EP2012057981
08.11.2012
(22) 02.05.2012
(54) AN INDUCTOR CORE, AN ARRANGEMENT FOR A PRESS, AND A MANUFACTURING METHOD
(73) Höganäs AB (publ)
(72) ANDERSSON, Ola
LARSSON, Mats
RAUCH, Peter
(31) 11164949
201161483838 P
(32) 05.05.2011
09.05.2011
(33) European Patent Office (EPO)
United States of America

(51) H01F 27/08
H05K 7/20
(11) EP2773171
(21) EP13185691.6
(47) 07.08.2019
(22) 24.09.2013
(54) Electronic device
(73) OMRON Corporation
(72) Ueuchi, Masayuki
Onishi, Hiroyuki
Okada, Kei
Kawano, Hiroki
Kubo, Masahiko
Kuroko, Masashi
Takatori, Koji
Tanino, Kohei
Nishida, Masami
Niwa, Hiroki
Marumo, Katsuya
Minamide, Kenhachiro
(31) 201320095672 U
(32) 01.03.2013
(33) China

(51) H01F 27/34
H01F 27/38
H01F 38/02
H01F 3/14
H01F 38/30
(11) EP2248137
(21) EP09711706.3
(47) 07.08.2019
(87) AT2009000067
27.08.2009

(22) 19.02.2009
(54) CONVERTER ARRANGEMENT
(73) Egston System Electronics Eggenburg GmbH
(72) SPURNY, Lubomir
(31) 3022008
(32) 22.02.2008
(33) Austria

(51) H01F 38/14
B60L 53/12
(11) EP3234966
(21) EP15804768.8
(47) 07.08.2019
(87) EP2015078497
23.06.2016
(22) 03.12.2015
(54) VEHICLE INDUCTIVE CHARGING DEVICE FOR INDUCTIVELY CHARGING A VEHICLE, VEHICLE, AND STATIONARY CHARGING STATION
(73) Continental Automotive GmbH
(72) RÖHRL, Thomas
BARTZ, Stephan
(31) 102014225974
(32) 16.12.2014
(33) Germany

(51) H01F 38/14
H02J 50/00
H02J 50/12
H01F 21/00
H01F 21/12
H02M 7/48
H02J 5/00
(11) EP2555376
(21) EP11762250.6
(47) 07.08.2019
(87) JP2011001867
06.10.2011
(22) 29.03.2011
(54) WIRELESS POWER TRANSMISSION SYSTEM
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) KANNO, Hiroshi
(31) 318807 P
(32) 30.03.2010
(33) United States of America

(51) H01G 4/14
H01G 4/18
H01B 3/18
H01B 3/44
H01G 13/02
H01G 4/20
(11) EP2256760
(21) EP09722609.6
(47) 07.08.2019
(87) JP2009055162
24.09.2009
(22) 17.03.2009
(54) COATING COMPOSITION FOR FORMING HIGH DIELECTRIC FILM AND HIGH DIELECTRIC FILM
(73) Daikin Industries, Ltd.
(72) KOH, Meiten
TATEMICHI, Mayuko
MUKAI, Eri
OTA, Miharu
YOKOTANI, Kouji
KOMATSU, Nobuyuki
(31) 2008071764
(32) 19.03.2008
(33) Japan

(51) H01G 9/028
H01G 9/032
H01G 13/00
H01G 9/00
H01G 9/042
H01G 11/48
H01G 11/56
(11) EP2159808
(21) EP08752980.6
(47) 07.08.2019
(87) JP2008059184
27.11.2008
(22) 20.05.2008
(54) METHOD AND APPARATUS FOR MANUFACTURING SOLID ELECTROLYTIC CAPACITOR
(73) Showa Denko K.K.
(72) SHIBUYA, Yoshinori
(31) 2007134579
(32) 21.05.2007
(33) Japan

(51) H01G 9/10
H01G 9/008
H01M 2/10
H01G 11/74
H01G 11/80
H01G 11/82
H01G 9/035
(11) EP3246928
(21) EP16737567.4
(47) 07.08.2019
(87) KR2016000400
21.07.2016
(22) 14.01.2016
(54) EXTERNAL TERMINAL, HAVING STRUCTURE FOR PREVENTING LEAKAGE OF ELECTROLYTE, FOR ELECTRIC ENERGY STORAGE DEVICE
(73) Ls Mtron Ltd.
(72) LEE, Ha-Young
KIM, Heui-Soo
(31) 20150007509
(32) 15.01.2015
(33) Korea (Republic)

(51) H01G 9/20
H01L 51/44
(11) EP1659600
(21) EP05025202.2
(47) 07.08.2019
(22) 18.11.2005
(54) Electrode for a dye-senstitized solar cell
(73) FUJIKURA LTD.
(72) Matsui, Hiroshi
Tanabe, Nobuo
(31) 2004337530
2004337531
(32) 22.11.2004
22.11.2004
(33) Japan
Japan

(51) H01G 11/36
H01G 11/86
H01G 11/38
H01G 11/28
H01M 4/133
B82Y 40/00
H01G 11/68
B82Y 30/00
H01M 4/04
H01M 4/1393
H01M 4/62
H01M 4/66
H01M 4/86
H01M 10/0525
C01B 32/05
(11) EP2720975
(21) EP12802036.9
(47) 07.08.2019
(87) US2012042956
27.12.2012
(22) 18.06.2012
(54) COHESIVE ASSEMBLY OF CARBON AND ITS APPLICATION
(73) Yazaki Corporation
(72) RAYCHAUDHURI, Satyabrata
YAN, Yongan
GRIGORIAN, Leonid
(31) 201161499084 P
201161500862 P
(32) 20.06.2011
24.06.2011
(33) United States of America
United States of America

(51) H01H 3/02
(11) EP3340263
(21) EP17206494.1
(47) 07.08.2019
(22) 11.12.2017
(54) LOCKING/UNLOCKING STRUCTURE OF SWITCH DEVICE
(73) Switchlab Inc.
Switchlab (Shanghai) Co., Ltd.
(72) WU, Chih-Yuan
HSU, Wen-Bing
(31) 105142681
(32) 22.12.2016
(33) Taiwan, Province of China

(51) H01H 3/28
H01H 3/30
H01H 33/38
H01H 33/666
(11) EP3258473
(21) EP16174129.3
(47) 07.08.2019
(22) 13.06.2016
(54) A MEDIUM VOLTAGE CONTACTOR
(73) ABB Schweiz AG
(72) Delpozzo, Andrea
Morelli, Emanuele
Prestini, Osvaldo
Biagini, Veronica
Simonidis, Christian

(51) H01H 3/30
H01H 71/10
H01H 71/02
(11) EP3011577
(21) EP14730394.5
(47) 07.08.2019
(87) US2014038566
24.12.2014
(22) 19.05.2014

(54) SHAFT ASSEMBLIES SUITABLE FOR CIRCUIT BREAKERS AND RELATED CIRCUIT BREAKERS
(73) Eaton Corporation
(72) SPITSBERG, Yuri
GIBSON, Perry Robert
PARKS, David
(31) 201313923653
(32) 21.06.2013
(33) United States of America

(51) H01H 9/34
H01H 71/12
H01H 71/24
H01H 77/02
(11) EP3379553
(21) EP17192085.3
(47) 07.08.2019
(22) 20.09.2017
(54) CIRCUIT BREAKER INCLUDING SINGLE POLE BREAKING UNIT
(73) LSIS Co., Ltd.
(72) LEE, Kwangwon
(31) 20170035516
(32) 21.03.2017
(33) Korea (Republic)

(51) H01H 13/83
G06F 3/023
G06F 3/02
H01H 13/02
(11) EP3288055
(21) EP16185481.5
(47) 07.08.2019
(22) 24.08.2016
(54) KEYSWITCH ASSEMBLY AND MANUFACTURING METHOD THEREOF
(73) Getac Technology Corporation
(72) SHENG, Yen-Long

(51) H01H 21/24
(11) EP3319106
(21) EP16840621.3
(47) 07.08.2019
(87) CN2016083319
09.03.2017
(22) 25.05.2016
(54) PANEL-TYPE CONTROL BUTTON
(73) Qingdao Goertek Technology Co., Ltd.
(72) LI, Geng
(31) 201510554886
(32) 02.09.2015
(33) China

(51) H01H 31/28
H01H 9/16
H01H 33/12
(11) EP2958123
(21) EP14172992.1
(47) 07.08.2019
(22) 18.06.2014
(54) A switching device for a MV electric power distribution network
(73) ABB Schweiz AG
(72) Di Maio, Luciano
Cleber, Angelo
Vacirca, Leandro

(51) H01J 25/60
H01J 23/20
H01J 25/50
(11) EP3244438
(21) EP17170767.2
(47) 07.08.2019
(22) 12.05.2017
(54) MAGNETRON AND METHOD OF ADJUSTING RESONANCE FREQUENCY OF MAGNETRON
(73) Hitachi Power Solutions Co., Ltd.
(72) TORAI, Reiji
(31) 2016097158
(32) 13.05.2016
(33) Japan

(51) H01J 37/244
H01J 37/256
H01J 37/28
G01N 23/00
G01T 1/00
H01L 31/02
H01L 31/0203
(11) EP2443645
(21) EP10735220.5
(47) 07.08.2019
(87) EP2010058361
23.12.2010
(22) 15.06.2010
(54) LOW-INTERFERENCE SENSOR HEAD FOR A RADIATION DETECTOR, AS WELL AS A RADIATION DETECTOR WHICH CONTAINS THIS LOW-INTERFERENCE SENSOR HEAD
(73) Bruker Nano GmbH
(72) FALKE, Meiken
KRÖMER, Robert
(31) 102009026946
(32) 15.06.2009
(33) Germany

(51) H01J 37/28
H01J 37/26
(11) EP3142139
(21) EP16187492.0
(47) 07.08.2019
(22) 06.09.2016
(54) CHARGED PARTICLE BEAM SYSTEM AND MEASURING METHOD
(73) JEOL Ltd.
(72) Yamazaki, Kazuya
(31) 2015175939
(32) 07.09.2015
(33) Japan

(51) H01J 37/32
C23C 16/27
(11) EP2656371
(21) EP11794199.7
(47) 07.08.2019
(87) EP2011072821
28.06.2012
(22) 14.12.2011
(54) A MICROWAVE PLASMA REACTOR FOR MANUFACTURING SYNTHETIC DIAMOND MATERIAL
(73) Element Six Technologies Limited
(72) SCARSBROOK, Geoffrey Alan
WILMAN, Jonathan James
DODSON, Joseph Michael
BRANDON, John Robert
COE, Steven Edward
WORT, Christopher John Howard
(31) 201021853
201161439247 P
(32) 23.12.2010
03.02.2011
(33) United Kingdom
United States of America

(51) H01J 37/32
C23C 16/455
(11) EP2458618
(21) EP11009280.6
(47) 07.08.2019
(22) 23.11.2011
(54) Processing apparatus
(73) Tokyo Electron Limited
(72) Tezuka, Kazuyuki
Kato, Kenichi
Sawachi, Atsushi
Kikuchi, Takamichi
Mimura, Takanori
(31) 2010262464
(32) 25.11.2010
(33) Japan

(51) H01J 37/32
G01N 27/02
(11) EP3292559
(21) EP16721773.6
(47) 07.08.2019
(87) EP2016059906
10.11.2016
(22) 03.05.2016
(54) METHOD, MEASUREMENT PROBE AND MEASUREMENT SYSTEM FOR DETERMINING PLASMA CHARACTERISTICS
(73) Ecole Polytechnique Fédérale de Lausanne (EPFL)
(72) FURNO, Ivo
HOWLING, Alan
GUITTIENNE, Philippe
(31) 15166251
(32) 04.05.2015
(33) European Patent Office (EPO)

(51) H01J 49/00
(11) EP2965343
(21) EP14710348.5
(47) 07.08.2019
(87) GB2014050643
12.09.2014
(22) 05.03.2014
(54) IMPROVED LOCK COMPONENT CORRECTIONS
(73) Micromass UK Limited
(72) WILDGOOSE, Jason Lee
(31) 201304040
13158049
(32) 06.03.2013
06.03.2013
(33) United Kingdom
European Patent Office (EPO)

(51) H01J 49/02
H01J 49/42
(11) EP3029712
(21) EP15195925.1
(47) 07.08.2019
(22) 23.11.2015
(54) RECORDING SPATIAL AND TEMPORAL PROPERTIES OF IONS EMITTED FROM A QUADRUPOLE MASS FILTER
(73) Thermo Finnigan LLC
(72) SMITH, Johnathan Wayne

SCHOEN, Alan E.
(31) 201414561166
(32) 04.12.2014
(33) United States of America

(51) H01J 49/10
G01N 27/62
H01J 49/14
H01J 49/04
(11) EP3104394
(21) EP15746897.6
(47) 07.08.2019
(87) JP2015052978
13.08.2015
(22) 03.02.2015
(54) COUPLING DEVICE FOR MASS SPECTROMETER
(73) BioChromato, Inc.
(72) KINOSHITA, Kazumasa
KUDO, Yuki
NISHIGUCHI, Takao
(31) 2014019669
(32) 04.02.2014
(33) Japan

(51) H01J 49/24
F16K 3/02
F16K 3/24
(11) EP3324422
(21) EP16824143.8
(47) 07.08.2019
(87) JP2016064507
19.01.2017
(22) 16.05.2016
(54) SHUTTER
(73) Shimadzu Corporation
(72) NAKANO, Tomohito
(31) 2015139315
(32) 13.07.2015
(33) Japan

(51) H01L 21/00
(11) EP1497854
(21) EP03727798.5
(47) 07.08.2019
(87) IB2003002237
06.11.2003
(22) 23.04.2003
(54) METHOD FOR FABRICATING A SOI SUBSTRATE WITH A HIGH RESISTIVITY SUPPORT SUBSTRATE
(73) Soitec
(72) GHYSELEN, Bruno
MORICEAU, Hubert
(31) 0205054
(32) 23.04.2002
(33) France

(51) H01L 21/20
C30B 29/38
C23C 16/34
C30B 25/20
H01L 21/205
H01L 33/32
C30B 25/18
C30B 29/40
H01L 29/20
H01L 29/04
H01L 33/00
(11) EP2832900
(21) EP12873342.5
(47) 07.08.2019
(87) JP2012078390
03.10.2013
(22) 01.11.2012
(54) LAMINATED SUBSTATE OF SILICON SINGLE CRYSTAL AND GROUP III NITRIDE SINGLE CRYSTAL WITH OFF ANGLE
(73) Denso Corporation
Kabushiki Kaisha Toyota Chuo Kenkyusho
(72) NARITA, Tetsuo
ITO, Kenji
TOMITA, Kazuyoshi
OTAKE, Nobuyuki
HOSHI, Shinichi
MATSUI, Masaki
(31) 2012074182
(32) 28.03.2012
(33) Japan

(51) H01L 21/28
H01L 29/423
G11C 16/04
H01L 27/11521
H01L 29/788
H01L 29/66
G11C 16/14
(11) EP3248219
(21) EP16702475.1
(47) 07.08.2019
(87) US2016013963
28.07.2016
(22) 19.01.2016
(54) METHOD OF FORMING HIGH DENSITY SPLIT-GATE MEMORY CELL
(73) Silicon Storage Technology Inc.
(72) DO, Nhan
LIU, Xian
TIWARI, Vipin
TRAN, Hieu, Van
(31) 201562106477 P
(32) 22.01.2015
(33) United States of America

(51) H01L 21/3065
H05H 1/46
H01J 37/32
(11) EP2416351
(21) EP09842709.9
(47) 07.08.2019
(87) JP2009070643
07.10.2010
(22) 10.12.2009
(54) PLASMA ETCHING APPARATUS
(73) SPP Technologies Co., Ltd.
(72) YAMAMOTO, Takashi
NOZAWA, Yoshiyuki
(31) 2009084137
(32) 31.03.2009
(33) Japan

(51) H01L 21/311
H01L 21/02
(11) EP2261957
(21) EP10006027.6
(47) 07.08.2019
(22) 10.06.2010
(54) Method of manufacturing semiconductor device using a substrate treatment method
(73) IMEC VZW
SCREEN Holdings Co., Ltd.
(72) Vos, Rita
Mertens, Paul
Schram, Tom
Wada, Masayuki
(31) 2009140740
(32) 12.06.2009
(33) Japan

(51) H01L 21/4763
H01L 21/44
H01L 23/04
C23C 18/16
B05D 3/06
C23C 18/20
C23C 18/38
H05K 3/18
(11) EP2529395
(21) EP10844919.0
(47) 07.08.2019
(87) US2010056121
04.08.2011
(22) 10.11.2010
(54) METHOD FOR IMPROVING PLATING ON NON-CONDUCTIVE SUBSTRATES
(73) MacDermid Acumen, Inc.
(72) HAMILTON, Robert
LONG, Ernest
KROL, Andrew, M.
(31) 693548
(32) 26.01.2010
(33) United States of America

(51) H01L 21/66
G01R 1/073
G01R 3/00
(11) EP2615636
(21) EP11823771.8
(47) 07.08.2019
(87) KR2011006615
15.03.2012
(22) 07.09.2011
(54) PROBE CARD AND METHOD FOR MANUFACTURING SAME
(73) Korea Institute Of Machinery & Materials
(72) LEE, Hak-Joo
KIM, Jung-Yup
PARK, Jun-Hyub
(31) 20100087598
(32) 07.09.2010
(33) Korea (Republic)

(51) H01L 21/677
B65G 1/02
(11) EP2584597
(21) EP11795769.6
(47) 07.08.2019
(87) JP2011063705
22.12.2011
(22) 15.06.2011
(54) PITCH CHANGE DEVICE AND PITCH CHANGE METHOD
(73) Nissan Motor Co., Ltd.
(72) KITAYAMA, Tomohiro
YASOOKA, Takeshi
(31) 2010138339
(32) 17.06.2010
(33) Japan

(51) H01L 21/683
(11) EP3255662
(21) EP17174227.3
(47) 07.08.2019
(22) 02.06.2017

(54) WAFER LAMINATE AND METHOD OF MAKING THE SAME
(73) Shin-Etsu Chemical Co., Ltd.
(72) YASUDA, Hiroyuki
SUGO, Michihiro
(31) 2016112828
(32) 06.06.2016
(33) Japan

(51) H01L 21/762
H01L 21/306
H01L 27/12
H01L 21/02
H01L 21/265
(11) EP2256787
(21) EP09722529.6
(47) 07.08.2019
(87) JP2009055663
24.09.2009
(22) 23.03.2009
(54) PROCESS FOR PRODUCING SOI WAFER
(73) Shin-Etsu Chemical Co., Ltd.
(72) AKIYAMA, Shoji
KUBOTA, Yoshihiro
ITO, Atsuo
TANAKA, Kouichi
KAWAI, Makoto
TOBISAKA, Yuji
TAMURA, Hiroshi
(31) 2008074501
2008074646
(32) 21.03.2008
21.03.2008
(33) Japan
Japan

(51) H01L 21/78
H01L 21/3065
H01L 21/67
H01L 21/683
H01L 21/687
H01J 37/32
(11) EP2686877
(21) EP12719486.8
(47) 07.08.2019
(87) US2012028771
20.09.2012
(22) 12.03.2012
(54) METHOD FOR PLASMA DICING A SEMI-CONDUCTOR WAFER
(73) Plasma-Therm, LLC
(72) WESTERMAN, Russell
JOHNSON, David
JOHNSON, Chris
PAYS-VOLARD, David
MARTINEZ, Linnell
Gordon, Grivna
(31) 201161452450 P
201213412119
(32) 14.03.2011
05.03.2012
(33) United States of America
United States of America

(51) H01L 23/14
H01L 21/48
H05K 1/09
H05K 3/12
H01L 23/498
H05K 1/03
(11) EP3324431
(21) EP17202280.8
(47) 07.08.2019
(22) 17.11.2017
(54) ELECTRONIC CIRCUIT AND METHOD FOR MANUFACTURING SAME
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(72) HAON, Olivier
ALIANE, Abdelkader
BENWADIH, Mohammed
(31) 1661302
(32) 21.11.2016
(33) France

(51) H01L 23/31
C23C 16/40
C23C 28/04
(11) EP2955747
(21) EP15171245.2
(47) 07.08.2019
(22) 09.06.2015
(54) SUBSTRATE HAVING A MULTILAYER DIELECTRIC FILM THEREON
(73) SPTS Technologies Limited
(72) CROOK, Katherine
BURGESS, Stephen
(31) 201410317
(32) 10.06.2014
(33) United Kingdom

(51) H01L 23/367
(11) EP2284884
(21) EP10006521.8
(47) 07.08.2019
(22) 23.06.2010
(54) Assembly with a cooling device and a high-performance semi-conductor
(73) SEMIKRON Elektronik GmbH & Co. KG
(72) Frank, Thomas
(31) 102009037259
(32) 12.08.2009
(33) Germany

(51) H01L 23/498
C25D 5/18
(11) EP2377376
(21) EP09783824.7
(47) 07.08.2019
(87) EP2009063049
29.04.2010
(22) 07.10.2009
(54) METHOD TO FORM SOLDER DEPOSITS ON SUBSTRATES
(73) Atotech Deutschland GmbH
(72) EWERT, Ingo
LAMPRECHT, Sven
MATEJAT, Kai-Jens
PLIET, Thomas
(31) 08167159
09158715
09158725
(32) 21.10.2008
24.04.2009
24.04.2009
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) H01L 25/07
H01L 25/18
H01L 23/64
H01L 23/00
H05K 1/02
H01L 23/373
(11) EP3166144
(21) EP15815096.1
(47) 07.08.2019
(87) JP2015064869
07.01.2016
(22) 25.05.2015
(54) HALF-BRIDGE POWER SEMICONDUCTOR MODULE AND MANUFACTURING METHOD THEREFOR
(73) Nissan Motor Co., Ltd
(72) TANIMOTO, Satoshi
(31) 2014137589
(32) 03.07.2014
(33) Japan

(51) H01L 25/075
H01L 33/00
H01L 27/15
H01L 25/16
H01L 33/62
(11) EP3401958
(21) EP18170687.0
(47) 07.08.2019
(22) 03.05.2018
(54) METHOD FOR MANUFACTURING AN LED EMISSIVE DISPLAY
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(72) ROBIN, Ivan-Christophe
BONO, Hubert
(31) 1754150
(32) 11.05.2017
(33) France

(51) H01L 25/075
H01L 33/50
(11) EP2273575
(21) EP10185808.2
(47) 07.08.2019
(22) 09.06.2004
(54) White LED light source
(73) Tridonic Jennersdorf GmbH
(72) Leising, Günther
(31) 9482003
(32) 18.06.2003
(33) Austria

(51) H01L 25/075
H01L 33/62
G03B 21/20
F21V 23/00
F21V 23/06
F21Y 105/10
F21Y 115/30
(11) EP3246946
(21) EP17171601.2
(47) 07.08.2019
(22) 17.05.2017
(54) LIGHT SOURCE DEVICE AND PROJECTOR
(73) Seiko Epson Corporation
(72) TAKAGI, Chigusa
(31) 2016098480
2017048367
(32) 17.05.2016
14.03.2017
(33) Japan
Japan

(51) H01L 27/12
H01L 27/32
(11) EP3293764
(21) EP17190682.9
(47) 07.08.2019
(22) 12.09.2017
(54) DISPLAY DEVICE INCLUDING A TEST UNIT
(73) Samsung Display Co., Ltd.
(72) KA, Jihyun
KWAK, Wonkyu
BAE, Hansung
(31) 20160117272
(32) 12.09.2016
(33) Korea (Republic)

(51) H01L 27/15
H01L 33/32
(11) EP2154721
(21) EP09014623.4
(47) 07.08.2019
(22) 28.08.2003
(54) Light-emitting device having light-emitting diodes
(73) SEOUL SEMICONDUCTOR CO., LTD.
(72) Sakai, Shiro
Ao, Jin-Ping
Ono, Yasuo
(31) 2002249957
(32) 29.08.2002
(33) Japan

(51) H01L 27/32
H01L 51/52
(11) EP2449592
(21) EP10734321.2
(47) 07.08.2019
(87) IB2010052914
06.01.2011
(22) 25.06.2010
(54) LIGHT EMITTING DEVICE BASED ON OLEDS
(73) Beijing Xiaomi Mobile Software Co., Ltd.
(72) GAERTNER, Georg, F.
LOEBL, Hans-Peter
(31) 09164317
(32) 01.07.2009
(33) European Patent Office (EPO)

(51) H01L 29/423
H01L 21/762
H01L 27/115
(11) EP1774586
(21) EP05766678.6
(47) 07.08.2019
(87) US2005022143
02.02.2006
(22) 22.06.2005
(54) ISOLATION TRENCHES FOR MEMORY DEVICES
(73) Micron Technology, Inc.
(72) VIOLETTE, Michael
(31) 878805
(32) 28.06.2004
(33) United States of America

(51) H01L 29/423
H01L 29/06
H01L 29/786
(11) EP2960943
(21) EP15173323.5
(47) 07.08.2019
(22) 23.06.2015
(54) THIN FILM TRANSISTOR OF DISPLAY APPARATUS
(73) LG Display Co., Ltd.
(72) HAN, Sang Kug
CHO, Ki Sul
PARK, Choon Ho
CHOI, Jin Ho
KIM, Kuk Hwan
KIM, Soo Hong
HAM, Eun Ji
SONG, Byoung Cheol
(31) 20140080195
20150083189
20150083192
(32) 27.06.2014
12.06.2015
12.06.2015
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) H01L 29/66
H01L 29/417
H01L 29/45
H01L 29/786
(11) EP2978012
(21) EP13840128.6
(47) 07.08.2019
(87) CN2013077590
25.09.2014
(22) 20.06.2013
(54) THIN-FILM TRANSISTOR AND PREPARATION METHOD THEREFOR, ARRAY SUBSTRATE AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
(72) CHEN, Haijing
WANG, Dongfang
JIANG, Chunsheng
(31) 201310090696
(32) 20.03.2013
(33) China

(51) H01L 29/739
H03K 17/082
H03K 17/16
H01L 29/78
H01L 27/06
(11) EP2365532
(21) EP10161517.7
(47) 07.08.2019
(22) 29.04.2010
(54) Semiconductor device and power converter using it
(73) Hitachi, Ltd.
(72) Mori, Mutsuhiro
(31) 2009225914
(32) 30.09.2009
(33) Japan

(51) H01L 29/78
H01L 21/336
H01L 29/49
H01L 29/45
H01L 29/51
(11) EP1535343
(21) EP03785158.1
(47) 07.08.2019
(87) US2003025057
19.02.2004
(22) 08.08.2003
(54) INSULATED GATE FIELD EFFECT TRANSISTOR HAVING PASSIVATED SCHOTTKY BARRIERS TO THE CHANNEL
(73) Acorn Technologies, Inc.
(72) GRUPP, Daniel, E.
CONNELY, Daniel, J.
(31) 217758
342576
(32) 12.08.2002
14.01.2003
(33) United States of America
United States of America

(51) H01L 29/84
H01L 29/786
H01L 29/423
H01L 29/49
(11) EP3182462
(21) EP15831774.3
(47) 07.08.2019
(87) CN2015086732
18.02.2016
(22) 12.08.2015
(54) BACK GATE FIELD-EFFECT TRANSISTOR BASED ON FRICTION AND CONTACT ELECTRIFICATION EFFECTS
(73) Beijing Institute of Nanoenergy and Nanosystems
(72) ZHANG, Chi
TANG, Wei
ZHANG, Limin
WANG, Zhonglin
(31) 201410393613
(32) 12.08.2014
(33) China

(51) H01L 31/0352
H01L 31/028
H01L 51/42
(11) EP1779442
(21) EP05856826.2
(47) 07.08.2019
(87) US2005021488
17.08.2006
(22) 16.06.2005
(54) NANOSTRUCTURED MATERIALS AND PHOTOVOLTAIC DEVICES INCLUDING NANOSTRUCTURED MATERIALS
(73) Samsung Electronics Co., Ltd.
(72) LEE, Howard, W. H.
(31) 580816 P
(32) 18.06.2004
(33) United States of America

(51) H01L 31/0392
H01L 31/068
H01L 31/0296
H01L 31/0224
(11) EP3001881
(21) EP14800780.0
(47) 07.08.2019
(87) US2014041256
27.11.2014
(22) 06.06.2014
(54) PHOTOVOLTAIC DEVICES AND METHODS FOR MAKING THE SAME
(73) First Solar Malaysia SDN.BHD
(72) KOREVAAR, Bastiaan, Arie

HUANG, Qunjian
JIN, Yiteng
XIN, Qianqian
(31) 201310190090
(32) 21.05.2013
(33) China

(51) H01L 31/05
H02S 40/36
H02S 40/34
(11) EP2529412
(21) EP11702417.4
(47) 07.08.2019
(87) EP2011051129
04.08.2011
(22) 27.01.2011
(54) SOLAR MODULE ARRAYS AND DIODE CABLE
(73) (CNBM) Bengbu Design & Research Institute for Glass Industry Co., Ltd.
(72) PHILIPP, Jan Boris
(31) 10152088
(32) 29.01.2010
(33) European Patent Office (EPO)

(51) H01L 31/053
H01L 31/052
H01L 31/054
H02S 40/22
(11) EP3072160
(21) EP14815037.8
(47) 07.08.2019
(87) IB2014066114
28.05.2015
(22) 18.11.2014
(54) PHOTOVOLTAIC PANEL
(73) Fondazione Centro Internazionale Della Fotonica Per Energia
(72) RIGHETTI, Aldo
GRASSO, Giorgio
(31) MI20131937
(32) 21.11.2013
(33) Italy

(51) H01L 31/18
(11) EP2727155
(21) EP12745645.7
(47) 07.08.2019
(87) EP2012062323
03.01.2013
(22) 26.06.2012
(54) METHOD FOR QUICKLY STABILIZING THE NOMINAL OUTPUT OF A THIN-FILM SOLAR MODULE
(73) (CNBM) Bengbu Design & Research Institute for Glass Industry Co., Ltd.
(72) AVELLAN, Alejandro
GRÜNERBEL, Manfred
(31) 11171706
(32) 28.06.2011
(33) European Patent Office (EPO)

(51) H01L 31/18
H01L 21/67
H01L 21/677
H05B 3/00
(11) EP2958153
(21) EP15001779.6
(47) 07.08.2019
(22) 16.06.2015
(54) POST-PROCESSING APPARATUS OF SOLAR CELL
(73) LG Electronics Inc.
(72) Lee, Kyoungsoo
Choi, Minho
Lee, Jinhyung
Kwag, Gyeayoung
Park, Sangwook
(31) 20140073575
(32) 17.06.2014
(33) Korea (Republic)

(51) H01L 31/18
H01L 27/142
B28D 5/00
B23K 26/03
(11) EP2144304
(21) EP09007712.4
(47) 07.08.2019
(22) 10.06.2009
(54) Structuring device for structuring board-shaped elements, particularly thin layer solar modules, structuring process and use
(73) Innolas Solutions GmbH
(72) Grundmüller, Richard
(31) 102008032555
(32) 10.07.2008
(33) Germany

(51) H01L 31/18
H01L 31/0224
H01L 31/068
(11) EP2811539
(21) EP14001935.7
(47) 07.08.2019
(22) 04.06.2014
(54) Solar cell with multilayered structure and manufacturing method thereof
(73) LG Electronics, Inc.
(72) Baek, Hayan
Choi, Junghoon
Shim, Goohwan
(31) 20130064788
(32) 05.06.2013
(33) Korea (Republic)

(51) H01L 33/00
H01L 27/15
H01L 25/13
H01L 25/075
(11) EP2579338
(21) EP11789671.2
(47) 07.08.2019
(87) JP2011061979
08.12.2011
(22) 25.05.2011
(54) LIGHT-EMITTING DEVICE AND MANUFACTURING METHOD THEREFOR
(73) Nichia Corporation
(72) ICHIKAWA, Masatsugu
(31) 2010123757
(32) 31.05.2010
(33) Japan

(51) H01L 33/30
H01L 33/36
H01L 33/64
H01L 33/40
H01L 33/12
H01L 33/00
H01L 33/38
(11) EP2608281
(21) EP11818199.9
(47) 07.08.2019
(87) JP2011068563
23.02.2012
(22) 16.08.2011
(54) LIGHT-EMITTING DIODE AND LIGHT-EMITTING DIODE LAMP
(73) Showa Denko K.K.
(72) SEO Noriyoshi
MATSUMURA Atsushi
(31) 2010183212
(32) 18.08.2010
(33) Japan

(51) H01L 33/38
H01L 33/00
(11) EP2398077
(21) EP10741061.5
(47) 07.08.2019
(87) JP2010000736
19.08.2010
(22) 08.02.2010
(54) SEMICONDUCTOR LIGHT EMITTING DIODE AND METHOD OF PRODUCING SAME
(73) DOWA Electronics Materials Co., Ltd.
(72) TOGAWA, Hiroyuki
NAKANO, Masayuki
YAMADA, Hidetaka
(31) 2009028455
(32) 10.02.2009
(33) Japan

(51) H01L 33/44
H01L 33/40
H01L 33/54
H01L 33/38
H01L 33/22
H01L 33/00
(11) EP2695207
(21) EP12708853.2
(47) 07.08.2019
(87) EP2012054601
11.10.2012
(22) 15.03.2012
(54) OPTOELECTRONIC SEMICONDUCTOR CHIP
(73) OSRAM Opto Semiconductors GmbH
(72) HÖPPEL, Lutz
(31) 102011016302
(32) 07.04.2011
(33) Germany

(51) H01L 33/48
H01L 25/075
H05B 33/08
H05B 37/02
(11) EP3176834
(21) EP15827829.1
(47) 07.08.2019
(87) KR2015004461
04.02.2016
(22) 04.05.2015
(54) LIGHT EMITTING MODULE
(73) LG Innotek Co., Ltd.
(72) KWON, Ki Soo
KIM, Do Yub
KIM, Min Hak
YOON, Jae Hun
JEONG, Seung Beom
(31) 20140097272
(32) 30.07.2014

(33) Korea (Republic)

(51) H01L 33/48
H01L 33/62
(11) EP2158617
(21) EP08766441.3
(47) 07.08.2019
(87) KR2008003480
24.12.2008
(22) 19.06.2008
(54) LIGHT EMITTING DEVICE PACKAGE AND MANUFACTURING METHOD THEREOF
(73) LG Innotek Co., Ltd.
(72) KONG, Sung Min
KIM, Myung Gi
IM, Hyeong Seok
(31) 20070060305
(32) 20.06.2007
(33) Korea (Republic)

(51) H01L 33/48
H01L 33/62
H01L 31/0203
(11) EP2273570
(21) EP10174929.9
(47) 07.08.2019
(22) 03.09.2003
(54) Semiconductor device
(73) Nichia Corporation
(72) Asakawa, Hideo
(31) 2002259482
2003133874
(32) 05.09.2002
13.05.2003
(33) Japan
Japan

(51) H01L 33/50
(11) EP2707909
(21) EP12782214.6
(47) 07.08.2019
(87) US2012027671
15.11.2012
(22) 05.03.2012
(54) SEMICONDUCTOR LIGHT EMITTING DEVICES COMPRISING RECIPIENT LUMINOPHORIC MEDIUMS HAVING NARROW-SPECTRUM LUMINESCENT MATERIALS
(73) Cree, Inc.
(72) LETOQUIN, Ronan P.
TONG, Tao
GLASS, Robert C.
(31) 201113104238
(32) 10.05.2011
(33) United States of America

(51) H01L 33/54
H01L 25/075
H01L 33/00
(11) EP3430651
(21) EP17708821.8
(47) 07.08.2019
(87) EP2017055246
21.09.2017
(22) 07.03.2017
(54) METHOD OF MANUFACTURING AN LED MODULE AND CORRESPONDING MODULE
(73) Lumileds Holding B.V.
(72) SWEEGERS, Norbertus, Antonius, Maria
CROMPVOETS, Floris, Maria, Hermansz
KLEIJNEN, Christian
KUMS, Gerard
(31) 16160678
(32) 16.03.2016
(33) European Patent Office (EPO)

(51) H01L 33/54
H01L 33/60
H01L 25/16
H05B 33/08
H01L 25/075
H01L 29/866
H01L 33/46
H01L 33/56
(11) EP2919285
(21) EP15154164.6
(47) 07.08.2019
(22) 06.02.2015
(54) Light emitting device and method for manufacturing the same
(73) Toyoda Gosei Co., Ltd.
(72) Wada, Satoshi
Fukui, Kosei
Nonogawa, Takashi
(31) 2014048361
2014183831
(32) 12.03.2014
10.09.2014
(33) Japan
Japan

(51) H01L 33/62
H01L 25/075
H01L 33/60
(11) EP2835837
(21) EP13772536.2
(47) 07.08.2019
(87) JP2013057551
10.10.2013
(22) 15.03.2013
(54) Light emitting device with light emitting diodes
(73) Citizen Electronics Co., Ltd.
Citizen Watch Co., Ltd.
(72) FUNAKUBO, Takuya
(31) 2012087358
(32) 06.04.2012
(33) Japan

(51) H01L 33/62
H01L 33/60
H01L 33/44
H01L 33/48
(11) EP2583319
(21) EP11720815.7
(47) 07.08.2019
(87) EP2011058489
22.12.2011
(22) 24.05.2011
(54) OPTOELECTRONIC COMPONENT
(73) OSRAM Opto Semiconductors GmbH
(72) O'BRIEN, David
HAUSHALTER, Martin
FOERSTE, Markus
MÖLLMER, Frank
(31) 102010023955
(32) 16.06.2010
(33) Germany

(51) H01L 35/32
F28D 7/16
F28F 1/32
(11) EP3017486
(21) EP14736774.2
(47) 07.08.2019
(87) EP2014064368
08.01.2015
(22) 04.07.2014
(54) THERMOELECTRIC DEVICE, IN PARTICULAR INTENDED FOR GENERATING AN ELECTRIC CURRENT IN AN AUTOMOTIVE VEHICLE
(73) Valeo Systemes Thermiques
(72) DE PELSEMAEKER, Georges
AZZOUZ, Kamel
(31) 1301592
(32) 04.07.2013
(33) France

(51) H01L 41/04
H01L 41/22
G01L 19/14
(11) EP2816335
(21) EP14171624.1
(47) 07.08.2019
(22) 06.06.2014
(54) Integrated soi pressure sensor having silicon stress isolation member
(73) Honeywell International Inc.
(72) Brown, Gregory C.
Rahn, Curtis
(31) 201313921568
(32) 19.06.2013
(33) United States of America

(51) H01L 41/04
H02N 2/14
(11) EP2918013
(21) EP13853505.9
(47) 07.08.2019
(87) US2013065935
15.05.2014
(22) 21.10.2013
(54) PIEZOELECTRIC ACTUATORS PRESENCE AND TYPE DETECTING SYSTEM
(73) Newport Corporation
(72) NASTASE, Adrian
DELVALLE, Jesus
(31) 201261723246 P
(32) 06.11.2012
(33) United States of America

(51) H01L 41/107
H01L 41/22
(11) EP3053203
(21) EP14850129.9
(47) 07.08.2019
(87) US2014054595
09.04.2015
(22) 08.09.2014
(54) PIEZOELECTRIC ULTRASONIC TRANSDUCER ARRAY WITH SWITCHED OPERATIONAL MODES
(73) Fujifilm Dimatix, Inc.
(72) HAJATI, Arman
GARDNER, Deane
(31) 201314045713
(32) 03.10.2013
(33) United States of America

(51) H01L 41/113
G01B 7/16

G01L 1/16
(11) EP2977718
(21) EP14770324.3
(47) 07.08.2019
(87) JP2014057449
25.09.2014
(22) 19.03.2014
(54) DISPLACEMENT SENSOR, PUSHING AMOUNT DETECTION SENSOR, AND TOUCH INPUT DEVICE
(73) Murata Manufacturing Co., Ltd.
(72) KAWAMURA, Hideki
ANDO, Masamichi
(31) 2013057478
(32) 21.03.2013
(33) Japan

(51) H01L 41/29
H01L 41/297
H01L 41/257
H01L 41/047
(11) EP3012879
(21) EP13887336.9
(47) 07.08.2019
(87) CN2013079756
24.12.2014
(22) 22.07.2013
(54) MANUFACTURING METHOD FOR ELECTRODES OF A PIEZOELECTRIC ELEMENT
(73) Xiamen Niell Electronics Co., Ltd.
(72) NIE, Yongzhong
CHEN, Xuejun
LIN, Hai
(31) 201310240971
(32) 18.06.2013
(33) China

(51) H01L 51/30
C07D 487/06
H01L 27/28
C09B 57/00
(11) EP2686322
(21) EP12757648.6
(47) 07.08.2019
(87) IB2012050990
20.09.2012
(22) 02.03.2012
(54) TETRAAZAPEROPYRENE COMPOUNDS AND THEIR USE AS N-TYPE SEMICONDUCTORS
(73) BASF SE
(72) GADE, Lutz
MARTENS, Susanne
GEIB, Sonja
(31) 201161452675 P
(32) 15.03.2011
(33) United States of America

(51) H01L 51/50
C07F 15/00
C09K 11/06
G09F 9/30
H01L 27/32
H01L 51/54
(11) EP2677561
(21) EP12746917.9
(47) 07.08.2019
(87) JP2012053077
23.08.2012
(22) 10.02.2012
(54) ORGANIC ELECTROLUMINESCENT ELEMENT, LIGHTING DEVICE, AND DISPLAY DEVICE
(73) Konica Minolta, Inc.
(72) OSHIYAMA, Tomohiro
KITA, Hiroshi
IKEMIZU, Dai
NISHIZEKI, Masato
(31) 2011030626
(32) 16.02.2011
(33) Japan

(51) H01L 51/50
H01L 51/54
(11) EP3069392
(21) EP14789994.2
(47) 07.08.2019
(87) EP2014002825
21.05.2015
(22) 20.10.2014
(54) COMPOUND WITH NOVEL SIX-MEMBERED RING STRUCTURE FOR USE IN ORGANIC ELECTRONIC DEVICES
(73) Merck Patent GmbH
(72) STOESSEL, Philipp
PARHAM, Amir Hossain
PFLUMM, Christof
JATSCH, Anja
(31) 13005398
(32) 15.11.2013
(33) European Patent Office (EPO)

(51) H01L 51/52
(11) EP2927984
(21) EP13858479.2
(47) 07.08.2019
(87) KR2013011101
05.06.2014
(22) 02.12.2013
(54) SUBSTRATE FOR ORGANIC ELECTRONIC ELEMENT
(73) LG Chem, Ltd.
(72) KIM, Ji Hee
LEE, Jung Hyoung
CHOI, Jun Rye
(31) 20120138342
(32) 30.11.2012
(33) Korea (Republic)

(51) H01L 51/52
H01L 27/32
(11) EP3130017
(21) EP15717828.6
(47) 07.08.2019
(87) EP2015057087
15.10.2015
(22) 31.03.2015
(54) ORGANIC LIGHT-EMITTING DIODE HAVING A PLURALITY OF LIGHT-EMITTING SEGMENTS
(73) OSRAM OLED GmbH
(72) DIEKMANN, Karsten
INGLE, Andrew
FARRNBACHER, Jörg
(31) 102014104979
(32) 08.04.2014
(33) Germany

(51) H01L 51/52
H01L 27/32
G09G 3/32
(11) EP2924758
(21) EP14189011.1
(47) 07.08.2019
(22) 15.10.2014
(54) Organic light emitting display comprising reflection reduction layers
(73) LG Display Co., Ltd.
(72) Yang, Heejung
Han, Gyuwon
Ho, Wonjoon
(31) 20140035329
(32) 26.03.2014
(33) Korea (Republic)

(51) H01L 51/54
H01L 51/46
(11) EP2388843
(21) EP11166396.9
(47) 07.08.2019
(22) 17.05.2011
(54) Organic material and organic light emitting diode display using same
(73) Samsung Display Co., Ltd.
(72) Hamada, Yuji
Lee, Kwan-Hee
(31) 20100046507
(32) 18.05.2010
(33) Korea (Republic)

(51) H01L 51/54
H01L 51/52
(11) EP2371016
(21) EP09759687.8
(47) 07.08.2019
(87) EP2009008441
01.07.2010
(22) 26.11.2009
(54) ORGANIC LIGHT EMITTING EVICES COMPRISING TRIAZINE DERIVATIVES
(73) Merck Patent GmbH
(72) PFLUMM, Christof
LEU, Simone
KAISER, Joachim
PARHAM, Amir, Hossain
VOGES, Frank
KROEBER, Jonas, Valentin
BUESING, Arne
(31) 102008064200
(32) 22.12.2008
(33) Germany

(51) H01M 2/02
A61N 1/36
A61N 1/375
A61N 1/378
H01M 2/10
H01M 2/20
H01M 10/04
H01M 10/42
A61N 1/39
(11) EP3020080
(21) EP14822324.1
(47) 07.08.2019
(87) IL2014050629
15.01.2015
(22) 11.07.2014
(54) BATTERY AND ELECTRONICS INTEGRATION IN AN IMPLANTABLE MEDICAL DEVICE
(73) Newpace Ltd.
(72) STROMMER, Gera

BRODER, Avi
MOCHA, Moti
FISHEL, Robert
(31) 201361844880 P
(32) 11.07.2013
(33) United States of America

(51) H01M 2/02
H01M 2/04
(11) EP3363057
(21) EP16770950.0
(47) 07.08.2019
(87) EP2016073063
20.04.2017
(22) 28.09.2016
(54) DEEP FORMAT POUCH FOR BATTERY CELL
(73) Robert Bosch GmbH
(72) SCHNEIDER, Dan
BOTADRA, Mehul
SCHOENHERR, Robert
(31) 201562242367 P
(32) 16.10.2015
(33) United States of America

(51) H01M 2/02
H01M 2/26
H01M 2/34
H01M 10/04
H01M 2/04
H01M 2/06
H01M 2/22
(11) EP2933856
(21) EP15158336.6
(47) 07.08.2019
(22) 10.03.2015
(54) RECHARGEABLE BATTERY HAVING A CURRENT DISTRIBUTION MEMBER
(73) Samsung SDI Co., Ltd.
(72) Bae, Sang-June
Yoon, Seok-Joon
(31) 20140046310
(32) 17.04.2014
(33) Korea (Republic)

(51) H01M 2/02
H01M 10/613
H01M 10/625
H01M 10/6563
H05K 7/00
H01M 2/10
(11) EP2816633
(21) EP14171298.4
(47) 07.08.2019
(22) 05.06.2014
(54) Energy storage apparatus
(73) GS Yuasa International Ltd.
(72) Oshiba, Masashi
Koyama, Hiroyasu
Mizukawa, Yuta
Fujisawa, Kazuya
(31) 2013125958
2014078555
(32) 14.06.2013
07.04.2014
(33) Japan
Japan

(51) H01M 2/06
H01M 2/18
H01M 2/26
H01M 10/04
(11) EP2876720
(21) EP14172277.7
(47) 07.08.2019
(22) 13.06.2014
(54) Secondary battery
(73) Samsung SDI Co., Ltd.
(72) Kim, Duk-Jung
(31) 20130143245
(32) 22.11.2013
(33) Korea (Republic)

(51) H01M 2/10
H01M 2/04
H01M 2/06
H01M 2/30
H01M 2/34
(11) EP3285314
(21) EP16879147.3
(47) 07.08.2019
(87) KR2016011980
29.06.2017
(22) 24.10.2016
(54) SECONDARY BATTERY PACK
(73) LG Chem, Ltd.
(72) YU, Sung-Chun
KIM, Do-Hyeon
SEONG, Jun-Yeob
(31) 20150185200
(32) 23.12.2015
(33) Korea (Republic)

(51) H01M 2/10
H01M 2/20
H01M 2/26
H01M 10/48
(11) EP3373359
(21) EP16862284.3
(47) 07.08.2019
(87) KR2016010479
11.05.2017
(22) 20.09.2016
(54) BATTERY MODULE, BATTERY PACK INCLUDING SUCH BATTERY MODULE, AND VEHICLE INCLUDING SUCH BATTERY PACK
(73) LG Chem, Ltd.
(72) LEE, Young-Ho
PARK, Jun-Kyu
SEONG, Jun-Yeob
(31) 20150155195
(32) 05.11.2015
(33) Korea (Republic)

(51) H01M 2/10
H01M 10/42
(11) EP3198667
(21) EP15774535.7
(47) 07.08.2019
(87) EP2015071630
31.03.2016
(22) 22.09.2015
(54) BATTERY SYSTEM
(73) Obrist Technologies GmbH
(72) OBRIST, Frank
GRAZ, Martin
BONT, Jochen
(31) 102014114019
(32) 26.09.2014
(33) Germany

(51) H01M 2/10
H01M 10/42
H01G 11/82
H01M 2/20
(11) EP2174366
(21) EP08717076.7
(47) 07.08.2019
(87) EP2008052231
27.11.2008
(22) 25.02.2008
(54) MODULE FOR ELECTRIC ENERGY STORAGE ASSEMBLIES FOR AGEING DETECTION OF SAID ASSEMBLIES
(73) Blue Solutions
(72) CAUMONT, Olivier
JUVENTIN-MATHES, Anne-Claire
LE BRAS, Karine
DEPOND, Jean-Michel
(31) 0755089
(32) 15.05.2007
(33) France

(51) H01M 2/10
H01M 10/42
H01M 10/48
(11) EP2960966
(21) EP15173913.3
(47) 07.08.2019
(22) 25.06.2015
(54) BATTERY MODULE WITH SWELLING DETECTOR
(73) SK Innovation Co., Ltd.
(72) KIM, Won Wook
LIM, Dong Hun
JU, Seung Hoon
(31) 20140078337
(32) 25.06.2014
(33) Korea (Republic)

(51) H01M 2/10
H01M 10/44
H01M 10/48
H01M 10/42
H02J 7/00
G01R 31/36
H01M 10/0525
(11) EP2797203
(21) EP12859273.0
(47) 07.08.2019
(87) JP2012079333
27.06.2013
(22) 13.11.2012
(54) STORAGE BATTERY DEVICE AND CHARGING CONTROL METHOD
(73) NEC Corporation
(72) LUO, Yuan
MARUHASHI, Kenichi
YOSHIDA, Nobuhide
TAKAHASHI, Shingo
ITABASHI, Noriyuki
(31) 2011281591
(32) 22.12.2011
(33) Japan

(51) H01M 2/10
H01M 10/625
H01M 10/6563
H01M 10/6557
H01M 10/6555
H01M 10/613
(11) EP3267510
(21) EP17178712.0
(47) 07.08.2019

(22) 29.06.2017
(54) TRACTION BATTERY
(73) HOPPECKE Batterien GmbH & Co. KG
(72) Kesper, Dipl.-Ing. Heinrich
(31) 102016008222
102017107203
(32) 07.07.2016
04.04.2017
(33) Germany
Germany

(51) H01M 2/10
H01M 10/655
H01M 10/6566
H01M 10/625
H01M 10/647
H01M 10/613
H01M 10/052
H01M 10/30
H01M 10/34
(11) EP3182502
(21) EP15848774.4
(47) 07.08.2019
(87) KR2015009942
14.04.2016
(22) 22.09.2015
(54) BATTERY PACK CASE HAVING EFFICIENT COOLING STRUCTURE
(73) LG Chem, Ltd.
(72) HONG, Soon Chang
PARK, Jinhong
LEE, Hyoungsuk
KIM, Bohyon
LEE, Jin Kyu
(31) 20140134147
(32) 06.10.2014
(33) Korea (Republic)

(51) H01M 2/16
(11) EP1565950
(21) EP03775310.0
(47) 07.08.2019
(87) EP2003012384
10.06.2004
(22) 06.11.2003
(54) SEPARATOR PROVIDED WITH ASYMMETRICAL PORE STRUCTURES FOR AN ELECTROCHEMICAL CELL
(73) Evonik Degussa GmbH
(72) HENNIGE, Volker
HYING, Christian
HÖRPEL, Gerhard
NOVAK, Petr
VETTER, Jens
(31) 10255121
(32) 26.11.2002
(33) Germany

(51) H01M 2/20
H01M 10/613
(11) EP3113248
(21) EP15202389.1
(47) 07.08.2019
(22) 23.12.2015
(54) BUS BAR AND BATTERY MODULE
(73) Kabushiki Kaisha Toshiba
(72) Ogawa, Takaya
Aikawa, Shinya
Iwata, Masato
(31) 2015131624
(32) 30.06.2015
(33) Japan

(51) H01M 2/30
H01M 10/06
H01M 2/08
(11) EP3059785
(21) EP16163594.1
(47) 07.08.2019
(22) 30.04.2010
(54) BATTERY PARTS HAVING RETAINING AND SEALING FEATURES
(73) WATER GREMLIN COMPANY
(72) GARIN, Michael, A.
GIFFORD, Kurt, T.
(31) 174344 P
(32) 30.04.2009
(33) United States of America

(51) H01M 4/00
H01M 2/02
H01M 4/06
H01M 4/62
H01M 4/38
H01M 4/58
H01M 4/40
H01M 6/16
H01M 4/86
(11) EP2471127
(21) EP10812433.0
(47) 07.08.2019
(87) US2010002347
03.03.2011
(22) 26.08.2010
(54) LITHIUM-IRON DISULFIDE CATHODE FORMULATION HAVING HIGH PYRITE CONTENT AND LOW CONDUCTIVE ADDITIVES
(73) Energizer Brands, LLC
(72) MARPLE, Jack, W.
HUANG,Weiwei
WEMPLE, Michael, W.
(31) 237496 P
(32) 27.08.2009
(33) United States of America

(51) H01M 4/04
H01M 4/139
(11) EP3244470
(21) EP15877010.7
(47) 07.08.2019
(87) JP2015085446
14.07.2016
(22) 18.12.2015
(54) METHOD FOR MANUFACTURING ELECTRODE FOR LITHIUM ION BATTERY
(73) Zeon Corporation
TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) HOSONO Yuto
MORI Junya
(31) 2015000293
(32) 05.01.2015
(33) Japan

(51) H01M 4/13
H01M 4/62
H01M 4/139
H01M 10/052
H01M 4/131
H01M 4/525
H01M 4/02
H01M 4/1391
(11) EP3297068
(21) EP17001703.2
(47) 07.08.2019
(22) 09.05.2014
(54) METHOD FOR PRODUCING A NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
(73) Nissan Motor Co., Ltd
(72) Saito, Haruyuki
Kaseda, Manabu
Fujii, Takayuki
Tanizaki, Hiroaki
(31) 2013105352
(32) 17.05.2013
(33) Japan

(51) H01M 4/133
H01M 4/66
H01M 4/1393
H01M 4/62
H01M 10/0525
H01M 4/587
(11) EP3357113
(21) EP16779158.1
(47) 07.08.2019
(87) FR2016052347
06.04.2017
(22) 16.09.2016
(54) METHOD FOR ATTACHMENT BETWEEN A METAL COLLECTOR AND A CARBON FELT OF A BATTERY AND BATTERY PRODUCED BY THE METHOD
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) VINCENT, Rémi
CHAVILLON, Benoît
MAYOUSSE, Eric
SCHRODER, Maxime
(31) 1559097
(32) 28.09.2015
(33) France

(51) H01M 4/136
H01M 4/1397
H01M 4/58
H01M 10/0525
(11) EP3379616
(21) EP17190303.2
(47) 07.08.2019
(22) 11.09.2017
(54) CATHODE MATERIAL FOR LITHIUM-ION SECONDARY BATTERY, CATHODE FOR LITHIUM-ION SECONDARY BATTERY, AND LITHIUM-ION SECONDARY BATTERY
(73) Sumitomo Osaka Cement Co., Ltd.
(72) YAMAYA, Ryuuta
OYAMA, Masataka
(31) 2017059179
(32) 24.03.2017
(33) Japan

(51) H01M 4/36
H01M 4/38
H01M 4/62
H01M 10/0525
(11) EP2768049
(21) EP14154660.6
(47) 07.08.2019
(22) 11.02.2014

(54) Negative active material, and negative electrode and lithium battery each including the negative active material
(73) Samsung SDI Co., Ltd.
(72) CHO, Yu-Jeong
PARK, Sang-Eun
LEE, So-Ra
LEE, Su-Kyung
DO, Ui-Song
SHIN, Chang-Su
KIM, Jae-Myung
(31) 20130016598
(32) 15.02.2013
(33) Korea (Republic)

(51) H01M 4/485
H01M 4/505
H01M 4/525
H01M 4/131
C01G 53/00
C01G 3/00
(11) EP3021386
(21) EP15821926.1
(47) 07.08.2019
(87) CN2015081802
21.01.2016
(22) 18.06.2015
(54) LAYERED OXIDE MATERIAL CONTAINING COPPER, AND PREPARATION METHOD AND USE THEREOF
(73) Institute Of Physics Chinese Academy Of Sciences
(72) HU, Yongsheng
LI, Yunming
XU, Shuyin
WANG, Yuesheng
CHEN, Liquan
HUANG, Xuejie
(31) 201410342541
(32) 17.07.2014
(33) China

(51) H01M 4/505
H01M 4/525
H01M 10/0525
C01G 53/00
C01D 15/00
H01M 4/02
H01M 4/131
H01M 4/1391
H01M 10/052
(11) EP3155680
(21) EP15806939.3
(47) 07.08.2019
(87) IB2015054146
17.12.2015
(22) 01.06.2015
(54) POSITIVE ELECTRODE MATERIALS HAVING A SUPERIOR HARDNESS STRENGTH
(73) Umicore
Umicore Korea Ltd.
(72) BLANGERO, Maxime
CHOI, Da-In
CHO, WooRam
KIM, JiHye
(31) 14171694
(32) 10.06.2014
(33) European Patent Office (EPO)

(51) H01M 4/525
H01M 4/36
H01M 4/505
C01G 53/00
H01M 4/04
H01M 4/131
H01M 4/1391
H01M 4/62
H01M 10/30
(11) EP3157083
(21) EP15806577.1
(47) 07.08.2019
(87) JP2015064476
17.12.2015
(22) 20.05.2015
(54) COATED LITHIUM-NICKEL COMPOSITE OXIDE PARTICLES
(73) Sumitomo Metal Mining Co., Ltd.
(72) OTA, Yosuke
(31) 2014121584
2014124679
(32) 12.06.2014
17.06.2014
(33) Japan
Japan

(51) H01M 4/587
H01M 4/133
H01M 4/62
H01M 10/0525
(11) EP2816642
(21) EP13749643.6
(47) 07.08.2019
(87) JP2013053434
22.08.2013
(22) 13.02.2013
(54) NEGATIVE-ELECTRODE ACTIVE MATERIAL FOR NON-AQUEOUS SECONDARY BATTERY, AND NEGATIVE ELECTRODE AND NON-AQUEOUS SECONDARY BATTERY USING SAID ACTIVE MATERIAL
(73) Mitsubishi Chemical Corporation
(72) ARIKAWA, Yuuya
OKAYASU, Teruyuki
FUJITA, Rie
SAKAI, Aoi
FUJIMORI, Naomi
UENO, Nobuhiko
MARU, Naoto
(31) 2012029988
2012080655
2012112317
2012141100
2012167659
2012183037
2012275819
2012275820
2013005457
2013014416
(32) 14.02.2012
30.03.2012
16.05.2012
22.06.2012
27.07.2012
22.08.2012
18.12.2012
18.12.2012
16.01.2013
29.01.2013
(33) Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan

(51) H01M 4/66
H01M 10/04
H01M 10/0587
H01M 4/134
H01M 2/12
H01M 2/34
(11) EP3185339
(21) EP16205869.7
(47) 07.08.2019
(22) 21.12.2016
(54) ELECTRODE ASSEMBLY AND SECONDARY BATTERY USING THE SAME
(73) Samsung SDI Co., Ltd
(72) MOON, Sehwan
CHEON, Sangeun
LEE, Sangwoo
(31) 20150184030
(32) 22.12.2015
(33) Korea (Republic)

(51) H01M 8/02
H01M 8/04
H01M 8/24
(11) EP2856544
(21) EP12881003.3
(47) 07.08.2019
(87) US2012040848
16.01.2014
(22) 05.06.2012
(54) FUEL CELL COMPONENT HAVING DIMENSIONS SELECTED TO MAXIMIZE A USEFUL AREA
(73) Audi AG
(72) O'NEILL, Jonathan, Daniel
PATTERSON, Timothy, W.

(51) H01M 8/0206
H01M 8/0254
H01M 8/0267
H01M 8/0271
H01M 8/0282
(11) EP3204974
(21) EP15777679.0
(47) 07.08.2019
(87) EP2015073125
14.04.2016
(22) 07.10.2015
(54) ELECTROCHEMICAL SYSTEM WITH A SEPARATOR COMPRISING A BEAD SEAL WITH A REDUCTION OR CLOSURE OF THE COOLANT FLOW CHANNEL IN THE INNER SPACE OF THE BEAD
(73) Reinz-Dichtungs-GmbH & Co. KG
(72) GAUGLER, Bernd
WENZEL, Stephan
(31) 202014008157 U
(32) 08.10.2014

(33) Germany

(51) H01M 8/0234
H01M 8/0239
H01M 8/1018
(11) EP2904656
(21) EP13774591.5
(47) 07.08.2019
(87) US2013062641
10.04.2014
(22) 30.09.2013
(54) RESILIENT FLOW STRUCTURES FOR ELECTROCHEMICAL CELL
(73) Nuvera Fuel Cells, LLC
(72) DOMIT, Ed
BLANCHET, Scott
(31) 201261710073 P
(32) 05.10.2012
(33) United States of America

(51) H01M 8/0245
H01M 8/16
H01M 8/22
H01M 4/86
C02F 3/34
H01M 8/02
H01M 4/88
H01M 4/90
(11) EP3285318
(21) EP16779753.9
(47) 07.08.2019
(87) JP2016001944
20.10.2016
(22) 07.04.2016
(54) ELECTRODE STRUCTURE AND MICROBIAL FUEL CELL
(73) Panasonic Corporation
(72) KAMAI, Ryo
YOSHIKAWA, Naoki
KITADE, Yuuki
(31) 2015081446
(32) 13.04.2015
(33) Japan

(51) H01M 8/04089
H01M 8/04223
H01M 8/0662
F16K 31/06
F16K 51/00
H01M 8/1018
(11) EP3116056
(21) EP15758375.8
(47) 07.08.2019
(87) JP2015052023
11.09.2015
(22) 26.01.2015
(54) FLUID CONTROL VALVE
(73) Nissan Motor Co., Ltd
Kabushiki Kaisha Saginomiya Seisakusho
(72) USAMI, Takatada
TAKEDA, Tsuyoshi
OKAWARA, Ichiro
(31) 2014045174
(32) 07.03.2014
(33) Japan

(51) H01M 8/04828
H01M 8/249
H01M 8/00
H01M 8/04014
H01M 8/04089
H01M 8/04082
H01M 8/0432
H01M 8/04492
H01M 8/04701
H01M 8/2418
H01M 8/0267
H01M 8/0438
H01M 8/04537
H01M 8/1018
(11) EP3252859
(21) EP17172874.4
(47) 07.08.2019
(22) 24.05.2017
(54) DEVICE FOR GENERATING ELECTRICITY FROM A PLANAR FUEL CELL COOLED BY AN AIR FLOW
(73) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
(72) FAUCHEUX, Vincent
ALINCANT, David
CAPRON, Philippe
DAAMI, Anis
(31) 1600876
(32) 30.05.2016
(33) France

(51) H01M 8/1004
H01M 8/1011
H01M 4/92
H01M 4/90
(11) EP2064765
(21) EP07736782.9
(47) 07.08.2019
(87) IT2007000278
25.10.2007
(22) 17.04.2007
(54) ELECTROCATALYSTS BASED ON MONO/PLURIMETALLIC CARBON NITRIDES FOR POLYMER ELECTROLYTE MEMBRANE FUEL CELLS FUELLED WITH HYDROGEN (PEMFC) AND METHANOL (DMFC) AND FOR HYDROGEN ELECTROGENERATORS
(73) Breton S.p.A.
(72) DI NOTO, Vito
NEGRO, Enrico
LAVINA, Sandra
PACE, Giuseppe
(31) PD20060141
(32) 18.04.2006
(33) Italy

(51) H01M 8/24
H01M 8/02
H01M 8/10
(11) EP2903071
(21) EP13841328.1
(47) 07.08.2019
(87) JP2013075406
03.04.2014
(22) 20.09.2013
(54) SOLID ELECTROLYTE FUEL CELL
(73) Murata Manufacturing Co., Ltd.
(72) NAKAI, Hideaki
(31) 2012214246
(32) 27.09.2012
(33) Japan

(51) H01M 8/2475
H01M 8/249
H01M 8/2484
(11) EP3286795
(21) EP16716790.7
(47) 07.08.2019
(87) US2016026139
27.10.2016
(22) 06.04.2016
(54) HOUSING FOR MULTIPLE FUEL CELL STACKS
(73) ExxonMobil Research and Engineering Company
(72) HERSHKOWITZ, Frank
BARCKHOLTZ, Timothy, A.
BERLOWITZ, Paul, J.
DAS, Sandipan, K.
BADGWELL, Thomas, A.
(31) 201562150403 P
(32) 21.04.2015
(33) United States of America

(51) H01M 10/052
H01M 10/0563
(11) EP3311440
(21) EP16729589.8
(47) 07.08.2019
(87) EP2016063988
22.12.2016
(22) 17.06.2016
(54) SODIUM-SULFUR BATTERY, METHOD FOR ITS OPERATION, AND USE OF PHOSPHORUS POLYSULFIDE AS ELECTROLYTE ADDITIVE IN SODIUM-SULFUR BATTERIES
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) KOHL, Michael
BORMANN, Fabian
ALTHUES, Holger
KASKEL, Stefan
(31) 102015211154
(32) 17.06.2015
(33) Germany

(51) H01M 10/052
H01M 10/0567
H01M 4/62
(11) EP3168915
(21) EP16198477.8
(47) 07.08.2019
(22) 11.11.2016
(54) ADDITIVES FOR ELECTROCHEMICAL CELLS
(73) Sion Power Corporation
BASF SE
(72) Weiss, Thomas
Mikhaylik, Yuriy V.
Kovalev, Igor
(31) 201562254821 P
(32) 13.11.2015
(33) United States of America

(51) H01M 10/054
H01M 4/134
H01M 10/0569
H01M 4/38
H01M 4/1395
(11) EP3218953
(21) EP15858433.4
(47) 07.08.2019
(87) CA2015000573
19.05.2016

(22) 12.11.2015
(54) SECONDARY BATTERY WITH NON-AQUEOUS ELECTROLYTE
(73) Intec Energy Storage Corp.
(72) IAROCHENKO, Alexandre M.
(31) 201414539448
201514607429
(32) 12.11.2014
28.01.2015
(33) United States of America
United States of America

(51) H01M 10/058
H01M 10/04
H01M 4/02
H01M 2/02
H01M 2/18
H01M 10/052
(11) EP2985831
(21) EP14832886.7
(47) 07.08.2019
(87) KR2014004075
05.02.2015
(22) 08.05.2014
(54) CURVED ELECTRODE STACKED BODY AND BATTERY CELL COMPRISING SAME
(73) LG Chem, Ltd.
(72) CHOI, Eun Seok
CHO, Shin Hyo
PARK, Byung O
CHUNG, Jae Bin
KIM, Dong-Myung
(31) 20130091211
(32) 31.07.2013
(33) Korea (Republic)

(51) H01M 10/39
H01M 10/615
H01M 10/633
H02J 3/32
H02J 7/34
H02J 3/38
(11) EP3017495
(21) EP14733578.0
(47) 07.08.2019
(87) EP2014062612
08.01.2015
(22) 17.06.2014
(54) ENERGY STORAGE DEVICE AND METHOD FOR OPERATING A HIGH-TEMPERATURE BATTERY
(73) Robert Bosch GmbH
(72) GEROVASILI, Eirini
PREISSNER, Marcus
MAY, Johanna
(31) 102013212931
(32) 03.07.2013
(33) Germany

(51) H01M 10/44
H01M 10/054
H01M 10/056
H01M 10/058
(11) EP3218956
(21) EP15858923.4
(47) 07.08.2019
(87) CA2015000574
19.05.2016
(22) 12.11.2015
(54) FAST CHARGE APPARATUS FOR A BATTERY
(73) Intec Energy Storage Corp.
(72) IAROCHENKO, Alexandre M.
(31) 201414539448
201514607530
(32) 12.11.2014
28.01.2015
(33) United States of America
United States of America

(51) H01M 10/613
H01M 10/615
H01M 10/625
H01M 10/6556
H01M 10/6569
H01M 10/658
H01M 2/10
H01M 10/04
B60L 58/26
F28F 1/02
F28F 9/013
(11) EP2945218
(21) EP15166196.4
(47) 07.08.2019
(22) 04.05.2015
(54) COOLING DEVICE
(73) Valeo Klimasysteme GmbH
(72) Haussmann, Roland
(31) 102014106936
(32) 16.05.2014
(33) Germany

(51) H01M 10/625
H01M 10/643
H01M 10/613
H01M 10/6557
H01M 10/6567
H01M 10/6555
H01M 10/0525
H01M 10/34
(11) EP2144323
(21) EP09164650.5
(47) 07.08.2019
(22) 06.07.2009
(54) Cooling of a drive battery assembly of an electric, fuel cell or hybrid vehicle.
(73) Valeo Klimasysteme GmbH
(72) Stein, Juergen
Fuhrmann, Lutz
(31) 102008032086
(32) 08.07.2008
(33) Germany

(51) H01M 10/6563
H01M 10/6566
H01M 2/10
(11) EP3167507
(21) EP15730093.0
(47) 07.08.2019
(87) EP2015062848
14.01.2016
(22) 09.06.2015
(54) HOUSING FOR ACCOMODATING A PLURALITY OF BATTERY CELLS WITH INTEGRATED COOLING DEVICE
(73) Robert Bosch GmbH
(72) MUELLER, Carsten
LORENZ, Lisa
JUNG, Ruben
RANK, Sandro
BOEHME, Jens
FEDERLE, Johannes
(31) 102014213579
102014221684
(32) 11.07.2014
24.10.2014
(33) Germany
Germany

(51) H01P 1/20
(11) EP3120409
(21) EP15708728.9
(47) 07.08.2019
(87) EP2015000450
24.09.2015
(22) 26.02.2015
(54) BALUN, IN PARTICULAR DC AND/OR AUDIO FREQUENCY OUTPUT TO AN HF PATH USING A BALUN
(73) Kathrein-Austria Ges.M.B.H.
(72) MAYR, Ingo
(31) 102014004008
(32) 20.03.2014
(33) Germany

(51) H01P 5/10
(11) EP2814113
(21) EP13290140.6
(47) 07.08.2019
(22) 14.06.2013
(54) MARCHAND BALUN AND POWER AMPLIFIER USING THE SAME
(73) Ampleon Netherlands B.V.
(72) Bouisse, Gerard
Busgeeth, Rajeev

(51) H01Q 1/12
H01Q 1/48
H01Q 21/28
H01Q 5/371
(11) EP3096397
(21) EP16001037.7
(47) 07.08.2019
(22) 06.05.2016
(54) WINDOW GLASS FOR VEHICLE AND GLASS ANTENNA
(73) AGC Inc.
(72) TAKEUCHI, Shoichi
HASHIMOTO, Naoki
(31) 2015104922
2016075295
(32) 22.05.2015
04.04.2016
(33) Japan
Japan

(51) H01Q 1/12
H01Q 3/06
H01Q 21/00
(11) EP3259803
(21) EP16706917.8
(47) 07.08.2019
(87) TR2016050002
25.08.2016
(22) 04.01.2016
(54) A WIDE BAND ANTENNA ARRAY PLATFORM THAT CAN FIND DIRECTION ON AZIMUTH AND ELEVATION ANGLES
(73) Aselsan Elektronik Sanayi ve Ticaret Anonim Sirketi
(72) GOK, Gokhan

YILDIZ, Ali Gunay
OZNAZLI, Nihan
INCI, Aykut Baris
(31) 201501912
(32) 17.02.2015
(33) Turkey

(51) H01Q 1/18
H01Q 1/12
H01Q 15/14
H01Q 3/08
H01Q 1/32
H01Q 1/34
H01Q 19/10
(11) EP3159962
(21) EP15811131.0
(47) 07.08.2019
(87) KR2015005940
30.12.2015
(22) 12.06.2015
(54) SATELLITE ANTENNA
(73) Intellian Technologies Inc.
(72) NOH, Jung Pil
(31) 20140076220
(32) 23.06.2014
(33) Korea (Republic)

(51) H01Q 1/24
H01Q 1/38
H01Q 1/48
H01Q 9/42
H01Q 21/28
H01Q 1/52
(11) EP3376592
(21) EP17192182.8
(47) 07.08.2019
(22) 20.09.2017
(54) ANTENNA STRUCTURE
(73) Arcadyan Technology Corporation
(72) WU, Min-Chi
CHEN, I-Min
(31) 106108590
(32) 15.03.2017
(33) Taiwan, Province of China

(51) H01Q 1/24
H01Q 5/10
H01Q 13/10
(11) EP3261174
(21) EP17169988.7
(47) 07.08.2019
(22) 08.05.2017
(54) ELECTRONIC DEVICE WITH MULTI-SLOT ANTENNA
(73) Samsung Electronics Co., Ltd
(72) KIM, Hosaeng
KWON, Hongil
KIM, Seonil
LIM, Jae-Ho
KIM, Seongeun
KIM, Seunghwan
KIM, Younghoon
SUNG, Kicheol
LEE, Kyung-Jong
JOO, Young-Min
(31) 20160065454
(32) 27.05.2016
(33) Korea (Republic)

(51) H01Q 1/24
H01Q 9/04
H01Q 1/38
H01Q 1/48
H01Q 9/26
(11) EP2800202
(21) EP13180017.9
(47) 07.08.2019
(22) 12.08.2013
(54) Communication device with ground plane antenna
(73) Acer Incorporated
(72) Wong, Kin-Lu
Weng, Tseng-Wei
(31) 102115722
(32) 02.05.2013
(33) Taiwan, Province of China

(51) H01Q 1/24
H01Q 9/04
H01Q 9/42
H01Q 21/30
H01Q 13/10
H01Q 7/00
(11) EP3010082
(21) EP15172390.5
(47) 07.08.2019
(22) 16.06.2015
(54) ANTENNA STRUCTURE AND ASSOCIATED METHOD
(73) MediaTek, Inc
(72) HUNG, Chung-Yu
(31) 201462063499 P
201514705151
(32) 14.10.2014
06.05.2015
(33) United States of America
United States of America

(51) H01Q 1/44
F21V 23/04
H01Q 9/42
H01Q 7/00
(11) EP3320581
(21) EP16728288.8
(47) 07.08.2019
(87) EP2016062870
12.01.2017
(22) 07.06.2016
(54) LIGHTING DEVICE WITH WIRELESS CONTROL ELEMENT
(73) Signify Holding B.V.
(72) HE, Yemei
GU, Wei
HUANG, Meng
ZHU, Liyi
XU, Yunfei
QIAN, Yimeng
(31) PCT/CN2015/083367
15192074
(32) 06.07.2015
29.10.2015
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) H01Q 1/46
H04B 3/54
H04Q 9/00
H04B 3/56
H04B 3/58
G08C 23/06
(11) EP3195410
(21) EP15762866.0
(47) 07.08.2019
(87) US2015047225
24.03.2016
(22) 27.08.2015
(54) METHOD AND APPARATUS FOR SENSING A CONDITION IN A TRANSMISSION MEDIUM OF ELECTROMAGNETIC WAVES
(73) AT&T Intellectual Property I, LP
(72) FUCHS, Mitchell Harvey
GERSZBERG, Irwin
(31) 201414486268
(32) 15.09.2014
(33) United States of America

(51) H01Q 3/01
H01Q 13/02
H01Q 9/28
H01Q 3/12
H01Q 1/36
H01Q 1/22
(11) EP3189557
(21) EP15757496.3
(47) 07.08.2019
(87) EP2015070104
10.03.2016
(22) 03.09.2015
(54) ANTENNA WITH MECHANICALLY RECONFIGURABLE RADIATION PATTERN
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) CHAULOUX, Antoine
HIMDI, Mohamed
COLOMBEL, Franck
JOUADE, Antoine
(31) 1458299
(32) 04.09.2014
(33) France

(51) H01Q 5/321
H01Q 5/328
H01Q 5/378
H01Q 9/04
H04B 1/50
(11) EP3075030
(21) EP14824031.0
(47) 07.08.2019
(87) FI2014050861
04.06.2015
(22) 14.11.2014
(54) MULTIBAND ANTENNA ARRANGEMENT
(73) Nokia Technologies Oy
(72) LARSEN, Niels Bonne
ERENTOK, Aycan
KUPARI, Marko Olavi
(31) 201314092179
(32) 27.11.2013
(33) United States of America

(51) H01Q 9/04
H01Q 9/36
H01Q 5/357
(11) EP3217476
(21) EP17159993.9
(47) 07.08.2019
(22) 09.03.2017
(54) ANTENNA DEVICE
(73) Sercomm Corporation
(72) LEE, Pei-Ju
(31) 201620188459 U

(32) 11.03.2016
(33) China

(51) H01Q 21/29
H01Q 19/10
H01Q 1/24
H01Q 5/42
H01Q 21/24
(11) EP3067987
(21) EP14860242.8
(47) 07.08.2019
(87) KR2014010245
14.05.2015
(22) 29.10.2014
(54) MULTI-BAND, MULTI-POLARIZED WIRELESS COMMUNICATION ANTENNA
(73) KMW Inc.
(72) MOON, Young-Chan
SO, Sung-Hwan
KIM, Soon-Wook
LIM, Jae-Hwan
LEE, Seong-Ha
(31) 20130133584
(32) 05.11.2013
(33) Korea (Republic)

(51) H01R 4/24
H01R 13/506
H01R 13/58
H01R 13/6461
H01R 13/6464
H01R 13/6466
H01R 13/66
H01R 24/00
H01R 24/64
(11) EP2441135
(21) EP10724969.0
(47) 07.08.2019
(87) US2010038159
16.12.2010
(22) 10.06.2010
(54) COMMUNICATIONS PLUGS HAVING CAPACITORS THAT INJECT OFFENDING CROSSTALK AFTER A PLUG-JACK MATING POINT AND RELATED CONNECTORS AND METHODS
(73) COMMSCOPE INC. OF NORTH CAROLINA
(72) LARSEN, Wayne D.
MOFFITT, Bryan
(31) 186061 P
795843
(32) 11.06.2009
08.06.2010
(33) United States of America
United States of America

(51) H01R 4/38
H01R 4/64
H01R 4/66
(11) EP3096406
(21) EP16170403.6
(47) 07.08.2019
(22) 19.05.2016
(54) FLOOR GROUND CLAMP AND METHOD OF FORMING A GROUND CONNECTION
(73) Thomas & Betts International LLC
(72) DINH, Cong T.
ROBERTSON, George
(31) 201562164074 P
(32) 20.05.2015
(33) United States of America

(51) H01R 4/48
(11) EP2786447
(21) EP12812159.7
(47) 07.08.2019
(87) EP2012004967
06.06.2013
(22) 30.11.2012
(54) CONNECTING TERMINAL WITH A WEB-SHAPED CONDUCTOR GUIDE
(73) Phoenix Contact GmbH & Co. KG
(72) HOPPMANN, Ralph
(31) 102011055919
(32) 01.12.2011
(33) Germany

(51) H01R 4/48
(11) EP2862236
(21) EP13730482.0
(47) 07.08.2019
(87) EP2013001662
19.12.2013
(22) 06.06.2013
(54) ELECTRICAL CONNECTION TERMINAL
(73) Phoenix Contact GmbH & Co. KG
(72) HOPPMANN, Ralph
GEBHARDT, Martin
(31) 102012011794
(32) 15.06.2012
(33) Germany

(51) H01R 4/62
H01R 4/30
(11) EP3264533
(21) EP16176671.2
(47) 07.08.2019
(22) 28.06.2016
(54) BREAKER PLATE AND ITS USE IN BUSBARS OF DIFFERENT MATERIALS CONNECTED WITH EACH OTHER
(73) Jean Müller GmbH Elektrotechnische Fabrik
(72) Pnischeck, Christopher
Geyssel, Hartmut

(51) H01R 4/64
H01R 4/26
H01R 4/48
H01R 11/22
A47L 15/42
H05F 3/02
D06F 39/12
H01R 13/04
(11) EP3319178
(21) EP17195841.6
(47) 07.08.2019
(22) 11.10.2017
(54) HOUSEHOLD APPLIANCE AND ASSEMBLY FOR A HOUSEHOLD APPLIANCE
(73) Miele & Cie. KG
(72) Kroll, Christian
(31) 102016121037
(32) 04.11.2016
(33) Germany

(51) H01R 9/03
H01R 43/28
H01R 9/05
H01R 13/512
(11) EP3300174
(21) EP17195187.4
(47) 07.08.2019
(22) 24.03.2016
(54) ELECTRICAL CONNECTOR
(73) TE Connectivity Industrial GmbH
(72) Pfeiffer, Wolfgang
(31) 102015104958
(32) 31.03.2015
(33) Germany

(51) H01R 9/20
H01R 13/53
H01R 25/16
H02G 15/08
(11) EP2876735
(21) EP13193871.4
(47) 07.08.2019
(22) 21.11.2013
(54) Connector for medium and low voltage application
(73) Tyco Electronics Raychem GmbH
(72) Heindl, Christian
Simonsohn, Thilo

(51) H01R 9/26
H01R 13/70
(11) EP3176879
(21) EP16200669.6
(47) 07.08.2019
(22) 25.11.2016
(54) ELECTRICAL TERMINAL
(73) Phoenix Contact GmbH & Co. KG
(72) Berg, Peter
Heil, Thorsten
(31) 102015121057
(32) 03.12.2015
(33) Germany

(51) H01R 12/70
H01R 12/71
H01R 12/73
H01R 13/20
H01R 13/24
(11) EP3065225
(21) EP13896342.6
(47) 07.08.2019
(87) JP2013006474
07.05.2015
(22) 31.10.2013
(54) SOCKET, CONNECTOR COMPRISING SUCH SOCKET, AND HEADER USED IN SUCH CONNECTOR
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) MIYAZAKI, Yoji

(51) H01R 13/516
H01R 13/6597
H01R 13/6464
H01R 13/6467
H01R 24/64
(11) EP2833486
(21) EP14161609.4
(47) 07.08.2019
(22) 25.03.2014
(54) Contact set for a connector socket
(73) METZ CONNECT TECH GmbH
(72) Müller, Hartmut
Padditz, Florian
(31) 102013108131

(32) 30.07.2013
(33) Germany

(51) H01R 13/527
H02G 3/08
H01R 13/52
(11) EP3314701
(21) EP16728703.6
(47) 07.08.2019
(87) EP2016063538
29.12.2016
(22) 14.06.2016
(54) ADAPTER FOR CONNECTING A TRANSMISSION LINE TO A FIELD DEVICE
(73) Endress+Hauser Flowtec AG
(72) MOSER, Thiérry
KOLLMER, Daniel
(31) 102015110350
(32) 26.06.2015
(33) Germany

(51) H01R 13/622
(11) EP3252878
(21) EP17174194.5
(47) 07.08.2019
(22) 02.06.2017
(54) LOCKING AND UNLOCKING SYSTEM
(73) SOURIAU
(72) LEROYER, Serge
WILL, François
(31) 1655043
(32) 02.06.2016
(33) France

(51) H01R 13/629
H01R 25/00
H01R 13/635
H01R 13/627
H01R 24/76
(11) EP3231042
(21) EP15797138.3
(47) 07.08.2019
(87) FR2015052928
16.06.2016
(22) 30.10.2015
(54) ELECTRICAL SOCKET DEVICE COMPRISING AT LEAST ONE LOCKING AND UNLOCKING ELEMENT
(73) Legrand France
Legrand SNC
(72) ROBINET, Franck
(31) 1462140
(32) 09.12.2014
(33) France

(51) H01R 13/658
H01R 9/03
H01R 13/50
H01R 13/504
H01R 13/64
(11) EP2777097
(21) EP12788167.0
(47) 07.08.2019
(87) EP2012072320
16.05.2013
(22) 09.11.2012
(54) SHIELDED CONNECTOR AND METHOD OF MANUFACTURING A SHIELDED CONNECTOR
(73) Hirschmann Automation and Control GmbH
(72) DERBOGEN, Jan
KARA, Nihat
WIDMANN, Uwe
(31) 102011086117
(32) 10.11.2011
(33) Germany

(51) H01R 13/74
H01R 9/24
H01R 31/02
H01R 107/00
H01R 4/64
(11) EP3084898
(21) EP14841356.0
(47) 07.08.2019
(87) AT2014050309
25.06.2015
(22) 19.12.2014
(54) DEVICE FOR CONTACTING ELECTRICAL CONDUCTORS AND/OR ELECTRICAL CONTACT ELEMENTS, AS WELL AS LAMP OR ELECTRICAL DEVICE
(73) Tridonic GmbH & Co KG
(72) MOSER, Peter
RIEDLER, Thomas
(31) 4542013 U
(32) 19.12.2013
(33) Austria

(51) H01R 24/38
H01R 9/05
H01R 13/622
H01R 13/627
H01R 25/00
(11) EP2719028
(21) EP12796262.9
(47) 07.08.2019
(87) US2012041623
13.12.2012
(22) 08.06.2012
(54) CONNECTOR HAVING A COUPLING MEMBER FOR LOCKING ONTO A PORT AND MAINTAINING ELECTRICAL CONTINUITY
(73) PPC Broadband Inc.
(72) MONTENA, Noah
(31) 201113157340
(32) 10.06.2011
(33) United States of America

(51) H01R 24/40
H01R 24/46
H01R 13/703
H01R 103/00
(11) EP2979334
(21) EP15770212.7
(47) 07.08.2019
(87) US2015019330
01.10.2015
(22) 07.03.2015
(54) SHIELDED AND MULTISHIELDED COAXIAL CONNECTOR AND METHOD OF USE
(73) Holland Electronics LLC
(72) GOEBEL, George
GIBSON, Reed
HOLLAND, Michael
(31) 201461969204 P
201462039168 P
201414494488
(32) 23.03.2014
19.08.2014
23.09.2014
(33) United States of America
United States of America
United States of America

(51) H01R 31/06
H01R 13/703
H01R 13/46
H01R 13/717
(11) EP3271975
(21) EP16720701.8
(47) 07.08.2019
(87) DE2016100123
22.09.2016
(22) 16.03.2016
(54) RADIO SOCKET SYSTEM HAVING RADIO SOCKET DEVICES, AND METHOD FOR COUPLING RADIO SOCKET DEVICES
(73) Sonnen GmbH
(72) MAYR, Christian
(31) 102015103792
(32) 16.03.2015
(33) Germany

(51) H01R 39/08
H04B 5/00
A61B 6/00
A61B 6/03
(11) EP3406197
(21) EP18173635.6
(47) 07.08.2019
(22) 22.05.2018
(54) ROTARY JOINT HAVING A CAPACITIVE DATA LINK WITH MODULAR SUPPORT
(73) Schleifring GmbH
(72) KNOBL, Horst
WÖRL, Kathrin
(31) 17172301
(32) 22.05.2017
(33) European Patent Office (EPO)

(51) H01S 3/02
B23K 26/08
H01S 3/067
H01S 3/04
H01S 3/23
(11) EP2840670
(21) EP13779047.3
(47) 07.08.2019
(87) JP2013060477
24.10.2013
(22) 05.04.2013
(54) FIBER LASER OSCILLATOR, FIBER LASER PROCESSING DEVICE, AND FIBER LASER OSCILLATOR DEHUMIDIFICATION METHOD
(73) Amada Holdings Co., Ltd.
(72) TANAKA, Keishi
SAKO, Hiroshi
MORINO, Asami
(31) 2012092609
2012280816
(32) 16.04.2012
25.12.2012
(33) Japan
Japan

(51) H01S 3/034
(11) EP3258554

(21) EP17175915.2
(47) 07.08.2019
(22) 14.06.2017
(54) LASER CRYSTALLIZATION METHOD AND DEVICE
(73) Samsung Display Co., Ltd.
(72) So, Byung Soo
Kang, Mee Jae
Lee, Ho Seok
Lim, Jae Gyun
Jeon, Sang Ho
Jeon, Yeon Hee
(31) 20160073882
(32) 14.06.2016
(33) Korea (Republic)

(51) H01S 3/067
H01S 3/00
H01S 3/23
H01S 5/0683
(11) EP3113301
(21) EP14884180.2
(47) 07.08.2019
(87) JP2014078069
03.09.2015
(22) 22.10.2014
(54) FIBER LASER DEVICE AND METHOD FOR DETECTING ABNORMALITY THEREOF
(73) Fujikura Ltd.
(72) MATSUOKA, Yuji
(31) 2014033635
(32) 25.02.2014
(33) Japan

(51) H01S 3/23
H01S 3/13
H01S 3/067
(11) EP2774228
(21) EP12791349.9
(47) 07.08.2019
(87) US2012062628
10.05.2013
(22) 30.10.2012
(54) MULTICHANNEL POLARIZATION STABILIZATION EMPLOYING SYNCHRONOUS PHASE-LOCKING METHODS
(73) Northrop Grumman Systems Corporation
(72) GOODNO, Gregory, D.
WEBER, Mark, E.
WEISS, Stanley, Benjamin, IV
(31) 201161553600 P
201213419054
201213663270
(32) 31.10.2011
13.03.2012
29.10.2012
(33) United States of America
United States of America
United States of America

(51) H01T 1/15
H01T 4/04
H01T 21/00
(11) EP2133966
(21) EP09162315.7
(47) 07.08.2019
(22) 09.06.2009
(54) Arc containment device and method
(73) ABB Schweiz AG
(72) Bohori, Adnan Kutubuddin
Robarge, Dean Arthur
Caggiano, Robert Joseph
Asokan, Thangavelu
Roscoe, George William
(31) 137460
(32) 11.06.2008
(33) United States of America

(51) H02B 1/20
(11) EP3255745
(21) EP16173387.8
(47) 07.08.2019
(22) 07.06.2016
(54) WIRE ARRANGEMENT FIXATION COMB AND METHOD OF MAKING THE SAME
(73) ABB Schweiz AG
(72) Weidinger, Libor

(51) H02B 1/30
(11) EP3032664
(21) EP14004130.2
(47) 07.08.2019
(22) 08.12.2014
(54) Label holder for a distribution box, cover with a label holder and distribution box
(73) ABB AG
(72) Witte, Adriaan Marinus
Goor, Gerrit Klaas

(51) H02B 1/30
G01J 1/02
G01J 5/48
G01N 25/72
H02B 1/40
(11) EP2654148
(21) EP11848150.6
(47) 07.08.2019
(87) JP2011078817
21.06.2012
(22) 13.12.2011
(54) INFRARED TRANSMISSIVE PROTECTIVE COVER, MANUFACTURING METHOD FOR SAME, AND MONITORING METHOD USING SAME
(73) Asahi Kasei Kabushiki Kaisha
The Japan Atomic Power Company
Asahi Kasei Engineering Corporation
Thermographers Co., Ltd.
(72) NISHIKAWA, Tsuyoshi
NAKAMURA, Shigeo
YONEZAWA, Kazuhiro
TAKEYAMA, Hidenobu
HIGASA, Hisakazu
HIRASHIMA, Akihiro
MATSUNAGA, Tetsushi
(31) 2010277410
(32) 13.12.2010
(33) Japan

(51) H02B 11/12
(11) EP3319189
(21) EP17162816.7
(47) 07.08.2019
(22) 24.03.2017
(54) CONNECTING DEVICE FOR CONTROL TERMINALS IN WITHDRAWABLE TYPE CIRCUIT BREAKER
(73) LSIS Co., Ltd.
(72) SEO, Jaekwan
(31) 20160145353
(32) 02.11.2016
(33) Korea (Republic)

(51) H02B 13/035
H01H 33/59
H02B 13/00
H01H 9/54
H01H 33/666
(11) EP3276764
(21) EP16772348.5
(47) 07.08.2019
(87) JP2016058563
06.10.2016
(22) 17.03.2016
(54) DC CIRCUIT BREAKER DEVICE AND METHOD FOR CONTROLLING SAME
(73) Kabushiki Kaisha Toshiba
(72) KANAYA, Kazuhisa
OHDA, Yoshiaki
HASEGAWA, Ryuta
MATSUMOTO, Toshiaki
NAKAMOTO, Tetsuya
IIO, Naotaka
(31) 2015067075
(32) 27.03.2015
(33) Japan

(51) H02G 3/06
H02G 15/04
(11) EP2804275
(21) EP14166103.3
(47) 07.08.2019
(22) 25.04.2014
(54) Cable gland
(73) Wieland Electric GmbH
(72) Dorscht, Markus
(31) 102013008405
(32) 17.05.2013
(33) Germany

(51) H02G 3/22
F16L 5/14
(11) EP3288130
(21) EP17020380.6
(47) 07.08.2019
(22) 23.08.2017
(54) USE OF AN INLET IN A BUILDING FOR INSERTION INTO AN OUTER WALL OF A BUILDING
(73) Hauff-Technik GmbH & Co. KG
(72) Scheuring, Horst
Kurz, Ralf
(31) 102016010096
(32) 24.08.2016
(33) Germany

(51) H02G 5/04
H02G 5/08
(11) EP1961095
(21) EP06806429.4
(47) 07.08.2019
(87) EP2006010128
18.05.2007
(22) 20.10.2006
(54) SYSTEM COMPRISING A PROFILED RAIL AND BOX
(73) SEW-EURODRIVE GmbH & Co. KG
(72) BECKER, Günter
WOLF, Konstantin
SCHWESINGER, Klaus
(31) 102005054252

(32) 11.11.2005
(33) Germany

(51) H02G 11/02
(11) EP3316429
(21) EP17196048.7
(47) 07.08.2019
(22) 12.10.2017
(54) CABLE REEL
(73) Schill GmbH & Co. KG
(72) SCHILL, Ingo
(31) 102016221099
(32) 26.10.2016
(33) Germany

(51) H02G 15/14
(11) EP2927487
(21) EP15000928.0
(47) 07.08.2019
(22) 30.03.2015
(54) DISTANCE PIECE
(73) HYDAC Accessories GmbH
(72) Hiß, Helmut
Schmitt, Martin
(31) 102014004931
(32) 05.04.2014
(33) Germany

(51) H02H 1/00
G01R 31/12
G01R 31/00
(11) EP3161918
(21) EP15729160.0
(47) 07.08.2019
(87) EP2015063296
30.12.2015
(22) 15.06.2015
(54) METHOD AND DEVICE FOR DETECTING ARCS
(73) Herges, Peter
(72) Herges, Peter
(31) 102014108870
(32) 25.06.2014
(33) Germany

(51) H02H 3/087
H01H 33/59
H02H 3/44
H02H 3/02
(11) EP3308437
(21) EP15730105.2
(47) 07.08.2019
(87) EP2015063120
15.12.2016
(22) 12.06.2015
(54) A PASSIVE ELECTRONIC FUSE FOR PROTECTING A DC APPLICATION
(73) ABB Schweiz AG
(72) SAERS, Robert
LILJESTRAND, Lars
TENGNER, Tomas
MAGNUSSON, Jesper

(51) H02H 3/28
H04B 14/06
G01R 31/327
(11) EP2859635
(21) EP12878421.2
(47) 07.08.2019
(87) CN2012076525
12.12.2013
(22) 06.06.2012
(54) METHOD FOR IDENTIFYING FAULT BY CURRENT DIFFERENTIAL PROTECTION AND DEVICE THEREOF
(73) ABB Schweiz AG
(72) LI, Youyi
LIU, Kai
SU, Bin

(51) H02H 9/00
H01L 27/02
H01L 51/52
H01L 27/32
H02H 9/04
(11) EP2720336
(21) EP13154742.4
(47) 07.08.2019
(22) 11.02.2013
(54) Circuit for preventing static electricity of a display panel and display device including the same
(73) Samsung Display Co., Ltd.
(72) Oh, Woo-Jin
Kim, Yang-Wan
Kwak, Won-Kyu
(31) 20120114394
(32) 15.10.2012
(33) Korea (Republic)

(51) H02J 3/01
(11) EP3311459
(21) EP16730350.2
(47) 07.08.2019
(87) EP2016063759
22.12.2016
(22) 15.06.2016
(54) POWER INVERTER, CONTROL UNIT FOR POWER INVERTERS AND NETWORK OF POWER INVERTERS
(73) Université de Luxembourg
(72) HADJI-MINAGLOU, Jean-Régis
(31) 92743
(32) 16.06.2015
(33) Luxembourg

(51) H02J 3/16
H02J 3/18
(11) EP3125394
(21) EP15796511.2
(47) 07.08.2019
(87) CN2015070491
26.11.2015
(22) 12.01.2015
(54) UNIFIED POWER FLOW CONTROLLER FOR DOUBLE-CIRCUIT LINE
(73) NR Electric Co., Ltd.
NR Electric Engineering Co., Ltd.
(72) TIAN, Jie
LI, Haiying
WANG, Xinbao
DONG, Yunlong
SHEN, Quanrong
PAN, Lei
LIU, Chao
CHANG, Baoli
(31) 201410212139
(32) 19.05.2014
(33) China

(51) H02J 3/26
H02J 7/02
H02J 3/32
H02J 7/04
H02J 7/14
(11) EP3259829
(21) EP16752863.7
(47) 07.08.2019
(87) US2016017953
25.08.2016
(22) 15.02.2016
(54) ENERGY STORAGE SYSTEM
(73) Cummins Power Generation IP, Inc.
(72) HUNT, Michelle
AYANA, Elias M.
PALMER, Bradford K.
(31) 201514626190
(32) 19.02.2015
(33) United States of America

(51) H02J 3/36
H02J 3/38
H02M 7/02
H02M 7/757
H02M 1/00
(11) EP2713468
(21) EP12186514.1
(47) 07.08.2019
(22) 28.09.2012
(54) Power transmission systems
(73) GE Energy Power Conversion Technology Ltd
(72) Alston, David Leonard
Banham-Hall, Dominic David

(51) H02J 3/38
F03D 7/02
H02J 3/32
H02J 3/48
(11) EP3345279
(21) EP16760480.0
(47) 07.08.2019
(87) EP2016070741
09.03.2017
(22) 02.09.2016
(54) METHOD FOR SUPPLYING ELECTRICAL POWER
(73) Wobben Properties GmbH
(72) BEEKMANN, Alfred
(31) 102015114704
(32) 03.09.2015
(33) Germany

(51) H02J 3/38
H01M 10/44
H02J 7/00
H02J 9/06
H02J 3/46
H02J 3/32
(11) EP3309922
(21) EP16807090.2
(47) 07.08.2019
(87) JP2016002644
15.12.2016
(22) 01.06.2016
(54) POWER STORAGE SYSTEM, POWER STORAGE DEVICE, AND OPERATION METHOD FOR POWER STORAGE DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) YOSITAKE, Akira
YOSHIMATSU, Takahiro
YUASA, Hiroaki
TERAMOTO, Yuichiro

TOYONAGA, Tomohiko
MATSUDA, Yasuhiro
(31) 2015119779
(32) 12.06.2015
(33) Japan

(51) H02J 3/40
H02J 3/38
A63B 21/005
F03G 7/08
(11) EP3146610
(21) EP15728911.7
(47) 07.08.2019
(87) FR2015051284
26.11.2015
(22) 18.05.2015
(54) APPARATUS FOR PRODUCING ELECTRICAL ENERGY, INFRASTRUCTURE PRODUCING ELECTRICAL ENERGY COMPRISING A PLURALITY OF SUCH APPARATUS, AND BUILDING EQUIPPED WITH SUCH AN INFRASTRUCTURE
(73) Arnould, Christophe
(72) Arnould, Christophe
(31) 1454460
(32) 19.05.2014
(33) France

(51) H02J 7/00
(11) EP2577840
(21) EP11787063.4
(47) 07.08.2019
(87) US2011031499
01.12.2011
(22) 07.04.2011
(54) ADVANCED RECHARGEABLE BATTERY SYSTEM
(73) Chang, Chun-Chieh
Chang, Tsun-Yu
(72) Chang, Chun-Chieh
Chang, Tsun-Yu
(31) 785536
(32) 24.05.2010
(33) United States of America

(51) H02J 7/00
(11) EP3142215
(21) EP15886807.5
(47) 07.08.2019
(87) CN2015075310
06.10.2016
(22) 27.03.2015
(54) CHARGE CONTROL METHOD AND APPARATUS, AND CHARGE CABLE
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd
(72) ZHANG, Jialiang

(51) H02J 7/00
H01M 10/44
H02J 3/00
H02J 7/35
B60L 11/18
H02J 3/32
H02J 3/14
H02J 13/00
(11) EP2722962
(21) EP12799900.1
(47) 07.08.2019
(87) JP2012065088
20.12.2012
(22) 13.06.2012
(54) CHARGING SYSTEM, CHARGING MANAGEMENT DEVICE, CONTROL METHOD, AND PROGRAM
(73) Mitsubishi Heavy Industries, Ltd.
(72) SHIBATA Yutaka
HASEGAWA Rie
ADACHI Tetsuya
HATTORI Kaito
(31) 2011133157
(32) 15.06.2011
(33) Japan

(51) H02J 7/00
H01R 13/642
H04M 1/06
H01R 13/62
G06F 1/16
G06F 1/26
(11) EP3252916
(21) EP17173794.3
(47) 07.08.2019
(22) 31.05.2017
(54) APPARATUS FOR CHARGING WEARABLE ELECTRONIC DEVICE
(73) Samsung Electronics Co., Ltd
(72) JEONG, Uy Hyeon
LEE, Seung Ho
BAEK, Sang In
LEE, Min Sung
LEE, Hyung Geun
YOO, Min Woo
(31) 20160067674
(32) 31.05.2016
(33) Korea (Republic)

(51) H02J 7/02
H01M 10/44
(11) EP3142220
(21) EP15859893.8
(47) 07.08.2019
(87) CN2015074049
19.05.2016
(22) 11.03.2015
(54) POWER ADAPTER AND TERMINAL
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd
(72) ZHANG, Jialiang
(31) PCT/CN2014/090845
PCT/CN2014/090846
PCT/CN2014/090847
(32) 11.11.2014
11.11.2014
11.11.2014
(33) World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)

(51) H02J 7/02
H02J 50/12
H02J 50/40
(11) EP2748997
(21) EP12825361.4
(47) 07.08.2019
(87) KR2012006785
28.02.2013
(22) 24.08.2012
(54) COMMUNICATION SYSTEM USING WIRELESS POWER
(73) Samsung Electronics Co., Ltd.
(72) KIM, Sang Joon
KWON, Ui Kun
(31) 20110084695
(32) 24.08.2011
(33) Korea (Republic)

(51) H02J 7/02
H02J 50/90
H02J 50/80
(11) EP3238323
(21) EP15874273.4
(47) 07.08.2019
(87) US2015067250
30.06.2016
(22) 22.12.2015
(54) METHOD FOR 3 DIMENSIONAL POCKET-FORMING
(73) Energous Corporation
(72) LEABMAN, Michael, A.
BREWER, Gregory, Scott
(31) 201414583643
(32) 27.12.2014
(33) United States of America

(51) H02J 7/14
H02J 7/34
H02M 1/10
H02M 3/335
H02M 5/458
(11) EP1364454
(21) EP01985165.8
(47) 07.08.2019
(87) US2001050683
11.07.2002
(22) 28.12.2001
(54) MOBILE POWER GENERATION SYSTEM
(73) AURA SYSTEMS, INC.
(72) ULINSKI, Richard, J.
RAHMAN, Khaliqur
CLARKE, Hugh, C.
HEITZ, W., Stephen
(31) 258917 P
939116
(32) 29.12.2000
24.08.2001
(33) United States of America
United States of America

(51) H02J 9/00
H05B 37/02
(11) EP2928045
(21) EP15160224.0
(47) 07.08.2019
(22) 23.03.2015
(54) Assembly for adding functionality to an electrical load in an electrical installation, power supply restoration module and control module for use in such an assembly, and an electrical installation comprising such an assembly
(73) Niko NV
(72) Tiels, Koen Reinout Roeland
Devenyn, Diederik Jo
(31) 201400225
(32) 01.04.2014
(33) Belgium

(51) H02J 13/00
H02H 3/05
H02H 7/26
(11) EP3001535
(21) EP13885317.1

(47) 07.08.2019
(87) JP2013064034
27.11.2014
(22) 21.05.2013
(54) PROTECTION CONTROL SYSTEM FOR PROCESS BUS, MERGING UNIT, AND COMPUTATION DEVICE
(73) Mitsubishi Electric Corporation
(72) ODA, Shigetoo

(51) H02J 13/00
H05B 37/02
H05B 37/03
(11) EP2950421
(21) EP14290159.4
(47) 07.08.2019
(22) 01.06.2014
(54) Device for monitoring electrical parameters connected to the internet
(73) IFOTEC
(72) Sillans, Christian
Billet, Gilles
Champeau, Stéphane

(51) H02J 50/10
H02J 50/40
H02J 7/00
H02J 7/02
H04B 5/00
H02J 50/90
(11) EP2748909
(21) EP12798866.5
(47) 07.08.2019
(87) IB2012056215
06.06.2013
(22) 07.11.2012
(54) A POWER TRANSMITTER DEVICE FOR INDUCTIVELY PROVIDING POWER TO A MOBILE DEVICE.
(73) Koninklijke Philips N.V.
(72) SWAANS, Laurens, Henricus
STARING, Antonius, Adriaan, Maria
(31) 201161564881 P
(32) 30.11.2011
(33) United States of America

(51) H02J 50/40
(11) EP2269408
(21) EP09716724.1
(47) 07.08.2019
(87) US2009036090
11.09.2009
(22) 05.03.2009
(54) PACKAGING AND DETAILS OF A WIRELESS POWER DEVICE
(73) Qualcomm Incorporated
(72) SIEBER, Lukas
COOK, Nigel. P.
WIDMER, Hanspeter
(31) 34116 P
(32) 05.03.2008
(33) United States of America

(51) H02J 50/40
H02J 50/10
H02J 50/20
H02J 50/05
H02J 7/34
H02J 7/00
H02J 7/02
(11) EP3164928
(21) EP15731323.0
(47) 07.08.2019
(87) EP2015064171
07.01.2016
(22) 24.06.2015
(54) POWER HARVESTING CIRCUIT AND METHOD
(73) Signify Holding B.V.
(72) LINNARTZ, Johan-Paul Marie Gerard
(31) 14175783
(32) 04.07.2014
(33) European Patent Office (EPO)

(51) H02K 1/12
H02K 3/52
(11) EP3220512
(21) EP15859982.9
(47) 07.08.2019
(87) KR2015012046
19.05.2016
(22) 10.11.2015
(54) MOTOR
(73) LG Innotek Co., Ltd.
(72) RYU, Woong Seon
(31) 20140156397
(32) 11.11.2014
(33) Korea (Republic)

(51) H02K 1/18
H02K 7/18
H02K 15/02
F03D 15/20
(11) EP3317952
(21) EP16732306.2
(47) 07.08.2019
(87) EP2016064874
05.01.2017
(22) 27.06.2016
(54) CARRIER ELEMENT, ESPECIALLY STATOR CARIER ELEMENT AND/OR ROTOR CARRIER ELEMENT, SYSTEM OF CARRIER ELEMENTS, GENERATOR CARRIER, GENERATOR, GENERATOR CARRIER SYSTEM, NACELLE OF A WIND TURBINE, WIND TURBINE AND METHOD FOR MOUNTING A GENERATOR CARRIER SYSTEM
(73) Wobben Properties GmbH
(72) SARTORIUS, Florian
(31) 102015212453
(32) 02.07.2015
(33) Germany

(51) H02K 1/20
H02K 9/22
H02K 7/18
(11) EP3308449
(21) EP16726603.0
(47) 07.08.2019
(87) EP2016062605
15.12.2016
(22) 03.06.2016
(54) STATOR RING FOR AN ELECTRIC GENERATOR, AND GENERATOR AND WIND TURBINE HAVING SAID STATOR RING
(73) Wobben Properties GmbH
(72) KNOOP, Frank
ZIEMS, Jan Carsten
(31) 102015210662
(32) 11.06.2015
(33) Germany

(51) H02K 3/52
H02K 5/22
H02K 11/33
H02K 29/00
(11) EP2632035
(21) EP11833887.0
(47) 07.08.2019
(87) ES2011000301
26.04.2012
(22) 17.10.2011
(54) DIRECT CURRENT ELECTRIC MOTOR WITHOUT EXTERNAL ROTOR BRUSHES
(73) Soler & Palau Research, S.L.
(72) VAQUE CABAÑAS, Roser
(31) 201001333
(32) 18.10.2010
(33) Spain

(51) H02K 3/52
H02K 11/33
H02K 1/27
H02K 5/22
(11) EP2584672
(21) EP12185064.8
(47) 07.08.2019
(22) 19.09.2012
(54) Housing part for an electrical machine
(73) ROBERT BOSCH GMBH
(72) Meyer, Christian
Acker, Christian
Bolz, Martin-Peter
(31) 102011084763
(32) 19.10.2011
(33) Germany

(51) H02K 5/14
H01R 39/38
(11) EP2409386
(21) EP10701843.4
(47) 07.08.2019
(87) EP2010050671
23.09.2010
(22) 21.01.2010
(54) ELECTRIC DRIVE MOTOR, IN PARTICULAR FOR A UNIT IN A VEHICLE
(73) Robert Bosch GmbH
(72) CZINEGE, Florian
ANDING, Lars-Dirk
(31) 102009001714
(32) 20.03.2009
(33) Germany

(51) H02K 5/14
H02K 11/026
B60S 1/08
B60S 1/16
H02K 5/22
H02K 7/116
H02K 11/38
(11) EP3145063
(21) EP15792313.7
(47) 07.08.2019
(87) JP2015063751
19.11.2015
(22) 13.05.2015
(54) ELECTRIC MOTOR
(73) Mitsuba Corporation
(72) TAMURA Natsumi
IIJIMA Tomoo

TOKIZAKI Teppei
TAMURA Satoshi
(31) 2014099400
2015095609
2015095921
(32) 13.05.2014
08.05.2015
08.05.2015
(33) Japan
Japan
Japan

(51) H02K 5/16
H02K 7/08
H02K 11/00
(11) EP2659573
(21) EP11787685.4
(47) 07.08.2019
(87) EP2011070797
05.07.2012
(22) 23.11.2011
(54) GEARED DRIVE UNIT WITH HOUSING AND DEVICE FOR MOUNTING A SHAFT IN THE HOUSING
(73) Robert Bosch GmbH
(72) MILI, Tarek
SCHEURICH, Stephan
HUESGES, Mario
LAUK, Detlef
(31) 102010064298
(32) 29.12.2010
(33) Germany

(51) H02K 5/22
G01R 19/165
H03M 1/46
(11) EP3192153
(21) EP15818933.2
(47) 07.08.2019
(87) US2015039934
14.01.2016
(22) 10.07.2015
(54) DUAL-COMPARATOR CIRCUIT WITH DYNAMIC VIO SHIFT PROTECTION
(73) Texas Instruments Incorporated
(72) KUHN, Ruediger
GERBER, Johannes
RUCK, Bernhard
QAIYUM, Asif
(31) 201414327947
(32) 10.07.2014
(33) United States of America

(51) H02K 7/00
H02K 9/10
H02K 9/19
(11) EP3152820
(21) EP15722236.5
(47) 07.08.2019
(87) EP2015060909
10.12.2015
(22) 18.05.2015
(54) TRANSPORT OF MEDIA IN ROTOR SHAFT
(73) ThyssenKrupp Presta TecCenter AG
(72) KÖTSCHAU, Christian
PAUL, Daniel
(31) 102014107843
(32) 04.06.2014
(33) Germany

(51) H02K 7/09
H02K 1/27
H02K 1/14
(11) EP2280471
(21) EP10165926.6
(47) 07.08.2019
(22) 15.06.2010
(54) Electric rotary drive
(73) Levitronix GmbH
(72) Nussbaumer, Thomas, Dr.
(31) 09166844
(32) 30.07.2009
(33) European Patent Office (EPO)

(51) H02K 9/19
B60K 6/40
B60K 6/442
B60K 6/547
B60K 17/06
B60L 15/20
B60W 10/30
B60W 20/00
B60K 7/00
B60K 1/00
B60K 6/448
B60K 6/48
B60K 6/52
H02K 7/00
B62D 21/11
B60K 17/04
B60K 17/02
(11) EP2720352
(21) EP12796738.8
(47) 07.08.2019
(87) JP2012064583
13.12.2012
(22) 06.06.2012
(54) DRIVE DEVICE FOR VEHICLE
(73) Honda Motor Co., Ltd.
(72) HOSHINOYA Takeshi
OOISO Keiichi
(31) 2011127533
2011143213
(32) 07.06.2011
28.06.2011
(33) Japan
Japan

(51) H02K 9/19
H02K 5/20
(11) EP3020123
(21) EP14736278.4
(47) 07.08.2019
(87) DE2014200256
15.01.2015
(22) 12.06.2014
(54) COOLING SYSTEM FOR A DYNAMOELECTRIC MACHINE
(73) Schaeffler Technologies AG & Co. KG
(72) WEIS, Johannes
SCHÄFER, Christian
MACKOWIAK, Stefan
HEITZ, Sébastien
(31) 102013213435
(32) 09.07.2013
(33) Germany

(51) H02K 16/00
H02K 7/18
H02K 7/11
H02K 7/116
H02K 19/06
H02K 19/10
H02K 19/24
H02K 21/38
H02K 21/40
H02K 21/42
(11) EP2538529
(21) EP12172351.4
(47) 07.08.2019
(22) 18.06.2012
(54) An electrical machine with contra-rotating rotors
(73) Rolls-Royce plc
(72) Webster, John
(31) 201110640
(32) 23.06.2011
(33) United Kingdom

(51) H02K 21/16
H02K 1/14
H02K 1/20
H02K 1/27
H02K 1/32
(11) EP3231070
(21) EP15805517.8
(47) 07.08.2019
(87) EP2015079026
16.06.2016
(22) 08.12.2015
(54) PERMANENTLY EXCITED ELECTRIC MACHINE
(73) eMoSys GmbH
(72) GRUENDL, Andreas
HOFFMANN, Bernhard
(31) 102014018309
(32) 10.12.2014
(33) Germany

(51) H02K 21/44
H02K 41/03
H02P 25/08
H01H 36/00
(11) EP2693616
(21) EP12763814.6
(47) 07.08.2019
(87) CN2012000407
04.10.2012
(22) 29.03.2012
(54) ELECTRIC EXCITATION PERMANENT MAGNET SWITCH, ELECTRIC EXCITATION PERMANENT MAGNET SWITCH RELUCTANCE MOTOR AND ELECTRIC EXCITATION METHOD
(73) Dai, Shanshan
(72) LU, Xiaofeng
(31) 201110077614
(32) 30.03.2011
(33) China

(51) H02K 41/02
H02P 31/00
H02K 41/03
H02K 16/02
(11) EP3152822
(21) EP15803662.4
(47) 07.08.2019
(87) CA2015050523
10.12.2015
(22) 05.06.2015
(54) METHODS AND SYSTEMS FOR CONTROLLABLY MOVING

MULTIPLE MOVEABLE STAGES IN A DISPLACEMENT DEVICE
(73) The University of British Columbia
(72) LU, Xiaodong
(31) 201462009165 P
(32) 07.06.2014
(33) United States of America

(51) H02M 1/10
H02M 7/219
H02M 3/335
(11) EP2997653
(21) EP14719289.2
(47) 07.08.2019
(87) EP2014058063
20.11.2014
(22) 22.04.2014
(54) SYNCHRONOUS RECTIFIER, USE OF SUCH A SYNCHRONOUS RECTIFIER IN A SWITCHED-MODE POWER SUPPLY, AND SWITCH MODE POWER SUPPLY
(73) Endress+Hauser SE+Co. KG
(72) PAUL, Tobias
DONKERS, Niels
ALONSO-SCHÖNLAU, Juan Angel
RUF, Klaus
(31) 102013104944
(32) 14.05.2013
(33) Germany

(51) H02M 1/32
H02M 7/162
H02J 7/24
G01R 31/00
G01R 31/34
(11) EP3377911
(21) EP16790931.6
(47) 07.08.2019
(87) EP2016076007
26.05.2017
(22) 28.10.2016
(54) METHOD FOR DETECTING AN ERROR IN A GENERATOR UNIT
(73) Robert Bosch GmbH
(72) MEHRINGER, Paul
RIEDERER, Miriam
PAULUS, Sebastian
MUELLER, Manuel
ERSEK, Zoltan
(31) 102015222733
(32) 18.11.2015
(33) Germany

(51) H02M 3/156
(11) EP3179621
(21) EP16184706.6
(47) 07.08.2019
(22) 18.08.2016
(54) POWER SUPPLY AND DRIVING METHOD THEREOF
(73) Samsung Display Co., Ltd.
(72) Lee, Seok Hwan
Lee, Jong Jae
Nam, Yang Uk
Heo, Se Young
Hong, Jun Ki
(31) 20150175013
(32) 09.12.2015
(33) Korea (Republic)

(51) H02M 3/157
G06F 1/32
G05F 3/02
(11) EP1745536
(21) EP05712797.9
(47) 07.08.2019
(87) US2005003484
01.09.2005
(22) 27.01.2005
(54) METHOD AND SYSTEM FOR COMMUNICATING FILTER COMPENSATION COEFFICIENTS FOR A DIGITAL POWER CONTROL SYSTEM
(73) Bel Power Solutions Inc.
(72) CHAPUIS, Alain
(31) 544553 P
889806
(32) 12.02.2004
12.07.2004
(33) United States of America
United States of America

(51) H02M 3/158
H02M 3/07
H02M 1/00
H05B 33/08
(11) EP3047564
(21) EP14786345.0
(47) 07.08.2019
(87) IB2014064626
26.03.2015
(22) 18.09.2014
(54) COMPACT DRIVER, NOTABLY FOR A LIGHT EMITTING DIODE, HAVING AN AUXILIARY OUTPUT
(73) Signify Holding B.V.
(72) DELOS AYLLON, Julià
LOPEZ, Toni
HENDRIX, Machiel Antonius Martinus
ALARCON-COT, Eduardo-Jose
(31) 13185189
13185185
(32) 19.09.2013
19.09.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) H02M 3/335
H02J 1/00
(11) EP3217526
(21) EP17158735.5
(47) 07.08.2019
(22) 01.03.2017
(54) APPARATUS FOR CHARGE-RECYCLING
(73) NXP B.V.
(72) Kapoor, Ajay
Blutman, Kristóf László
Pineda de Gyvez, Jose de Jesus
Fatemi, Hamed
(31) 201615052509
(32) 11.03.2016
(33) United States of America

(51) H02M 3/335
H02M 1/36
(11) EP3304720
(21) EP16729715.9
(47) 07.08.2019
(87) US2016035139
08.12.2016
(22) 01.06.2016
(54) REDUCING POWER IN A POWER CONVERTER WHEN IN A STANDBY MODE
(73) Microchip Technology Incorporated
(72) QUIGLEY, Thomas
(31) 201562169415 P
201615168390
(32) 01.06.2015
31.05.2016
(33) United States of America
United States of America

(51) H02M 3/335
H05B 33/08
(11) EP2974540
(21) EP14714528.8
(47) 07.08.2019
(87) US2014023372
09.10.2014
(22) 11.03.2014
(54) REDUCTION OF SUPPLY CURRENT VARIATIONS USING COMPENSATION CURRENT CONTROL
(73) Signify Holding B.V.
(72) DRAKSHAPALLI, Prashanth
SINGH, Rahul
MARU, Siddharth
MELANSON, John L.
(31) 201361776094 P
(32) 11.03.2013
(33) United States of America

(51) H02M 3/337
(11) EP2445098
(21) EP11186057.3
(47) 07.08.2019
(22) 21.10.2011
(54) Control device for a resonant converter.
(73) STMicroelectronics Srl
(72) Adragna, Claudio
(31) MI20101969
(32) 25.10.2010
(33) Italy

(51) H02M 3/337
H02M 1/00
(11) EP1869759
(21) EP06727732.7
(47) 07.08.2019
(87) IB2006050910
05.10.2006
(22) 24.03.2006
(54) CONTROL OF A RESONANT CONVERTER
(73) NXP B.V.
(72) HALBERSTADT, Hans
(31) 05102601
05104271
(32) 01.04.2005
19.05.2005
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) H02M 3/337
H05B 33/08
(11) EP2548295
(21) EP11709403.7
(47) 07.08.2019
(87) EP2011054242
22.09.2011
(22) 21.03.2011

(54) LED OPERATING CIRCUIT COMPRISING AN ADAPTIVE INSULATING DC/DC-CONVERTER
(73) Tridonic AG
(72) ZIMMERMANN, Michael
PEREIRA, Eduardo
(31) 102010031233
102010003061
(32) 12.07.2010
19.03.2010
(33) Germany
Germany

(51) H02M 5/458
H02J 7/34
H02P 27/06
H02H 9/04
(11) EP2812989
(21) EP13706169.3
(47) 07.08.2019
(87) EP2013000237
15.08.2013
(22) 28.01.2013
(54) DRIVE SYSTEM WITH ENERGY ACCUMULATOR AND METHOD FOR OPERATING A DRIVE SYSTEM
(73) Sew-Eurodrive GmbH & Co. KG
(72) SCHIFFMANN, Sebastian
SCHMIDT, Josef
HAUCK, Matthias
LAMPERT, Christian
TRITSCHLER, Daniel
ZÖLLER, Thomas
(31) 102012002089
(32) 06.02.2012
(33) Germany

(51) H02M 7/00
H05K 7/14
(11) EP2416483
(21) EP11169980.7
(47) 07.08.2019
(22) 15.06.2011
(54) Power semiconductor device and power conversion device
(73) Hitachi Automotive Systems, Ltd.
(72) Suwa, Tokihito
Kaneko, Yujiro
Takagi, Yusuke
Fujino, Shinichi
Shimura, Takahiro
(31) 2010140723
(32) 21.06.2010
(33) Japan

(51) H02M 7/217
H02M 1/42
H02J 9/06
(11) EP2467928
(21) EP10744828.4
(47) 07.08.2019
(87) US2010045587
24.02.2011
(22) 16.08.2010
(54) 3-PHASE HIGH POWER UPS
(73) Schneider Electric IT Corporation
(72) NIELSEN, Henning, R.
(31) 544815
(32) 20.08.2009
(33) United States of America

(51) H02M 7/48
B23K 9/10
B23K 9/09
(11) EP2176945
(21) EP08770645.3
(47) 07.08.2019
(87) US2008066486
19.02.2009
(22) 11.06.2008
(54) POWER SUPPLY CONFIGURED TO DELIVER AC WELDING-TYPE POWER
(73) Illinois Tool Works Inc.
(72) MADSEN, Michael, D.
(31) 836898
(32) 10.08.2007
(33) United States of America

(51) H02M 7/48
B60L 3/00
B60L 9/16
H02P 29/032
H02P 29/02
H02M 1/32
H02P 29/024
(11) EP2234262
(21) EP08703074.8
(47) 07.08.2019
(87) JP2008050210
16.07.2009
(22) 10.01.2008
(54) POWER CONVERSION DEVICE
(73) Mitsubishi Electric Corporation
(72) KITANAKA, Hidetoshi

(51) H02M 7/483
(11) EP3113350
(21) EP16165018.9
(47) 07.08.2019
(22) 13.04.2016
(54) MODULAR MULTI-LEVEL CONVERTER AND METHOD OF CONTROLLING VOLTAGE BALANCING OF MODULAR MULTI-LEVEL CONVERTER
(73) LSIS Co., Ltd.
(72) SON, Gum Tae
(31) 20150094574
(32) 02.07.2015
(33) Korea (Republic)

(51) H02M 7/483
H02M 7/487
(11) EP2597768
(21) EP12193465.7
(47) 07.08.2019
(22) 20.11.2012
(54) Neutral point clamped converter control system and control method and compensation unit
(73) General Electric Company
(72) Yang, Wenqiang
Luo, Ling
Liu, Yunfeng
Klodowski, Anthony Michael
Wagoner, Robert Gregory
Seymour, Robert Allen
(31) 201110373940
(32) 22.11.2011
(33) China

(51) H02M 7/5387
H02M 1/44
H02M 7/5395
H02M 1/12
(11) EP2395652
(21) EP11162626.3
(47) 07.08.2019
(22) 15.04.2011
(54) Systems and methods for reducing AC drive common-mode currents
(73) Rockwell Automation Technologies, Inc.
(72) Tallam, Rangarajan M.
Leggate, David
Lukaszewski, Richard A.
Kirschnik, David W.
(31) 761893
(32) 16.04.2010
(33) United States of America

(51) H02P 1/26
H02P 21/14
H02P 27/16
(11) EP2571157
(21) EP11181804.3
(47) 07.08.2019
(22) 19.09.2011
(54) Method and device for controlling power to an electric machine
(73) CG Drives & Automation Sweden AB
(72) Yngvesson, Christer
Karlsson, Per

(51) H02P 6/08
(11) EP3382885
(21) EP17164030.3
(47) 07.08.2019
(22) 30.03.2017
(54) MOTORDRIVER FOR PWM DRIVEN MOTORS
(73) Melexis Bulgaria Ltd.
(72) LEMAN, Dirk
NEDELEV, Petko

(51) H02P 6/08
H02M 7/5387
(11) EP1650862
(21) EP04368068.5
(47) 07.08.2019
(22) 22.10.2004
(54) System-on-chip for high voltage applications
(73) Dialog Semiconductor GmbH
(72) Krenzke, Rainer
Marschalkowski, Eric

(51) H02P 9/04
H02M 3/155
E02F 9/20
B60K 6/28
B60K 6/46
E02F 9/00
(11) EP2228491
(21) EP08865249.0
(47) 07.08.2019
(87) JP2008073833
02.07.2009
(22) 26.12.2008
(54) HYBRID CONSTRUCTION MACHINE AND CONTROL METHOD OF HYBRID CONSTRUCTION MACHINE
(73) Sumitomo Heavy Industries, Ltd.
(72) SHONO, Hiroso
KANBAYASHI, Hideaki
(31) 2007334350
(32) 26.12.2007
(33) Japan

(51) H02P 21/06
B65G 54/02
H02P 21/12
H02P 25/064
H02P 25/062
B60L 13/03
B60L 13/00
E01B 25/12
E01B 25/34
H02K 41/03
(11) EP3109998
(21) EP16174356.2
(47) 07.08.2019
(22) 14.06.2016
(54) METHOD AND LONG STATOR LINEAR MOTOR FOR TRANSFERRING A TRANSPORT UNIT AT A TRANSFERRING POSITION
(73) B&R Industrial Automation GmbH
(72) Weber, Andreas
Forthuber, Friedrich
(31) 505292015
(32) 23.06.2015
(33) Austria

(51) H02P 27/08
H02P 23/00
(11) EP2387147
(21) EP11163483.8
(47) 07.08.2019
(22) 21.04.2011
(54) MOTOR CONTROLLING APPARATUS AND METHOD OF THE SAME
(73) LG Electronics, Inc.
(72) Kim, Mingi
Heo, Jongwon
Lee, Kyunghoon
(31) 20100037118
(32) 22.04.2010
(33) Korea (Republic)

(51) H02P 29/02
(11) EP3011674
(21) EP14733340.5
(47) 07.08.2019
(87) IB2014061645
24.12.2014
(22) 23.05.2014
(54) DUAL POWER MODE DRIVE
(73) Danfoss Power Electronics A/S
(72) SHAJARATI, Omid
(31) 201300384
(32) 21.06.2013
(33) Denmark

(51) H02P 29/02
B62D 5/04
B62D 15/02
(11) EP2456067
(21) EP11009234.3
(47) 07.08.2019
(22) 22.11.2011
(54) Diagnostic system and method for an electric power steering system
(73) Steering Solutions IP Holding Corporation
(72) Fisher, Paul
Ross, Christian E.
Islam, Mohammad S.
(31) 416671 P
201113192867
(32) 23.11.2010
28.07.2011
(33) United States of America
United States of America

(51) H02P 29/02
G01R 31/26
H03K 17/08
H02M 1/32
H03K 17/18
(11) EP3118638
(21) EP16175730.7
(47) 07.08.2019
(22) 22.06.2016
(54) TEMPERATURE ESTIMATION IN POWER SEMICONDUCTOR DEVICE IN ELECTRIC DRIVE SYSTEM
(73) ABB Schweiz AG
(72) SJOROOS, Jukka-Pekka
TIKKANEN, Kari
(31) 201562184669 P
(32) 25.06.2015
(33) United States of America

(51) H02P 29/024
H02H 7/08
H02H 3/05
H02M 1/00
(11) EP3314744
(21) EP16724434.2
(47) 07.08.2019
(87) EP2016061669
29.12.2016
(22) 24.05.2016
(54) METHOD AND DEVICE FOR CHECKING A DRIVE CURRENT OF AN ELECTRIC MACHINE
(73) Carl Zeiss Industrielle Messtechnik GmbH
(72) GRUPP, Guenter
RUCK, Otto
UHL, Peter
MAIER, Thomas
(31) 102015110174
(32) 24.06.2015
(33) Germany

(51) H02S 20/00
H01L 31/046
H01L 31/0465
(11) EP2786422
(21) EP12798211.4
(47) 07.08.2019
(87) EP2012073203
06.06.2013
(22) 21.11.2012
(54) FRAMELESS SOLAR MODULE HAVING A MODULE CARRIER
(73) (CNBM) Bengbu Design & Research Institute for Glass Industry Co., Ltd.
(72) GASS, Robert
KLEYER, Dieter
(31) 11191448
(32) 30.11.2011
(33) European Patent Office (EPO)

(51) H02S 20/24
F24S 25/00
F24S 25/16
F24S 25/60
F24S 25/615
(11) EP3161390
(21) EP10726872.4
(47) 07.08.2019
(87) DE2010000178
26.08.2010
(22) 17.02.2010
(54) INCLINED ARRANGEMENT OF PV MODULES ON FLAT ROOFS
(73) Schletter International B.V.
(72) BUB, Fabian
(31) 202009002208 U
(32) 17.02.2009
(33) Germany

(51) H02S 30/10
H02S 20/20
F21S 8/08
F21S 9/03
(11) EP2795679
(21) EP12820872.5
(47) 07.08.2019
(87) GB2012000923
27.06.2013
(22) 24.12.2012
(54) PHOTOVOLTAIC SLEEVE FOR STREET LIGHTS AND THE LIKE
(73) Braghiroli, Marco
(72) Braghiroli, Marco
(31) 201122239
(32) 23.12.2011
(33) United Kingdom

(51) H03D 7/12
H03D 7/14
H03D 7/16
(11) EP2281338
(21) EP09721894.5
(47) 07.08.2019
(87) US2009037885
24.09.2009
(22) 20.03.2009
(54) STEPPED GAIN MIXER
(73) QUALCOMM Incorporated
(72) WANG, Xinwei
ZHANG, Xiangdong
(31) 53371
(32) 21.03.2008
(33) United States of America

(51) H03F 1/00
H03F 1/56
H03F 3/21
(11) EP2761739
(21) EP12835935.3
(47) 07.08.2019
(87) US2012058352
04.04.2013
(22) 01.10.2012
(54) SYSTEMS AND METHODS FOR ADAPTIVE POWER AMPLIFIER LINEARIZATION
(73) Aviat Networks, Inc.
(72) MATSUMOTO, Frank, S.
QIN, Youming
(31) 201161541894 P
(32) 30.09.2011
(33) United States of America

(51) H03F 1/02
H03F 1/32
H03F 3/181
H03F 3/19
H03F 3/24
H03F 1/30
(11) EP3032737

(21) EP15193754.7
(47) 07.08.2019
(22) 09.11.2015
(54) ENVELOPE TRACKING PATH DELAY FINE TUNING AND CALIBRATION
(73) Intel Corporation
(72) PILGRAM, Berndt
(31) 201414564162
(32) 09.12.2014
(33) United States of America

(51) H03F 1/02
H03F 3/181
H03F 3/189
H03F 3/68
H02M 3/00
(11) EP2999113
(21) EP14184900.0
(47) 07.08.2019
(22) 16.09.2014
(54) Amplifier
(73) NXP B.V.
(72) Huijser, Jan Paulus Freerk

(51) H03F 1/02
H03F 3/195
H03F 3/24
H03F 3/68
(11) EP3282579
(21) EP17174786.8
(47) 07.08.2019
(22) 07.06.2017
(54) POWER SUPPLY CIRCUIT OF WIRELESS MOBILE DEVICE
(73) MediaTek Inc.
(72) LIN, Shih-Mei
KUAN, Chien-Wei
HO, Chen-Yen
MENG, Che-Hao
CHEN, Tso-Min
PENG, Chia-Sheng
YAN, Sheng-Hong
(31) 201662374035 P
201715492013
(32) 12.08.2016
20.04.2017
(33) United States of America
United States of America

(51) H03F 1/32
(11) EP3311484
(21) EP15731724.9
(47) 07.08.2019
(87) IB2015054583
22.12.2016
(22) 17.06.2015
(54) LEAST MEAN SQUARES ADAPTATION OF A CONCURRENT MULTI-BAND PRE-DISTORTER USING OVERLAPPING SPINES
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ROLLINS, Mark
FULLER, Arthur T. G.

(51) H03F 1/32
(11) EP3425794
(21) EP18184909.2
(47) 07.08.2019
(22) 17.06.2015
(54) LEAST MEAN SQUARES ADAPTATION OF A CONCURRENT MULTI-BAND PRE-DISTORTER USING OVERLAPPING SPINES
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ROLLINS, Mark
FULLER, Arthur T. G.

(51) H03F 3/16
H03F 3/217
H03F 1/02
H03F 1/56
H03F 3/19
(11) EP2321901
(21) EP08813476.2
(47) 07.08.2019
(87) SE2008050979
04.03.2010
(22) 01.09.2008
(54) HYBRID CLASS AMPLIFIER
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) HELLBERG, Richard

(51) H03F 3/193
H01F 27/28
H01J 37/32
H03F 3/30
H03F 1/56
H03F 3/21
H03F 1/30
H05K 1/02
H05K 1/16
H05K 1/18
(11) EP3317966
(21) EP16740974.7
(47) 07.08.2019
(87) EP2016065385
05.01.2017
(22) 30.06.2016
(54) HIGH-FREQUENCY AMPLIFIER ARRANGEMENT
(73) TRUMPF Hüttinger GmbH + Co. KG
(72) GREDE, André
ALT, Alexander
GRUNER, Daniel
LABANC, Anton
(31) 102015212220
(32) 30.06.2015
(33) Germany

(51) H03F 3/217
H03F 3/181
H03F 1/02
H02M 3/158
(11) EP3103193
(21) EP15705754.8
(47) 07.08.2019
(87) US2015014282
13.08.2015
(22) 03.02.2015
(54) SYSTEMS AND METHODS FOR CONTROLLING COMMON MODE VOLTAGE OF MULTI-MODE POWER CONVERTER
(73) Cirrus Logic, Inc.
(72) KING, Eric J.
MELANSON, John L.
(31) 201461935725 P
201461990363 P
201462072059 P
(32) 04.02.2014
08.05.2014
29.10.2014
(33) United States of America
United States of America
United States of America

(51) H03H 3/007
H03H 3/02
H03H 3/08
(11) EP2486655
(21) EP10760693.1
(47) 07.08.2019
(87) EP2010064741
14.04.2011
(22) 04.10.2010
(54) ACOUSTIC WAVE DEVICE INCLUDING A SURFACE WAVE FILTER AND A BULK WAVE FILTER, AND METHOD FOR MAKING SAME
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) DEGUET, Chrystel
CLAVELIER, Laurent
DEFAY, Emmanuel
REINHARDT, Alexandre
(31) 0904845
(32) 09.10.2009
(33) France

(51) H03K 3/57
H03K 7/08
(11) EP2800273
(21) EP12862173.7
(47) 07.08.2019
(87) CN2012001752
04.07.2013
(22) 28.12.2012
(54) DEVICE AND METHOD FOR USE IN CONTROLLING PULSE OUTPUT
(73) Nuctech Company Limited
Tsinghua University
(72) LIU, Yaohong
TANG, Chuanxiang
YAN, Xinshui
JIA, Wei
GAO, Jianjun
LIU, Jinsheng
YIN, Wei
LIU, Xiying
SHI, Hao
(31) 201110457646
(32) 31.12.2011
(33) China

(51) H03K 5/156
H03K 5/00
H04L 7/04
H04L 25/40
H04B 15/06
H04B 15/04
H04B 1/04
(11) EP2506433
(21) EP11814362.7
(47) 07.08.2019
(87) JP2011062717
09.02.2012
(22) 02.06.2011
(54) TRANSMITTING DEVICE, RECEIVING DEVICE AND TRANSMITTING/RECEIVING SYSTEM
(73) Thine Electronics, Inc.
(72) AKITA Hironobu
(31) 2010174404

(32) 03.08.2010
(33) Japan

(51) H03K 17/082
H02H 3/087
H03K 17/687
H03K 17/18
(11) EP3065295
(21) EP14858024.4
(47) 07.08.2019
(87) JP2014077661
07.05.2015
(22) 17.10.2014
(54) OVERCURRENT PROTECTION CIRCUIT
(73) Sumitomo Wiring Systems, Ltd.
AutoNetworks Technologies, Ltd.
Sumitomo Electric Industries, Ltd.
(72) TSUKAMOTO, Katsuma
YANO, Yusuke
(31) 2013225832
(32) 30.10.2013
(33) Japan

(51) H03K 17/12
H02M 1/088
(11) EP3017544
(21) EP14732344.8
(47) 07.08.2019
(87) GB2014051850
08.01.2015
(22) 17.06.2014
(54) SYNCHRONISING PARALLEL POWER SWITCHES
(73) Maschinenfabrik Reinhausen GmbH
(72) LYLE, Robin
SNOOK, Mark
LEEDHAM, Robert John
(31) 201311997
(32) 04.07.2013
(33) United Kingdom

(51) H03K 17/16
H02M 1/00
H03K 17/08
H03K 17/10
H03K 17/082
(11) EP3068051
(21) EP14860798.9
(47) 07.08.2019
(87) JP2014079410
14.05.2015
(22) 06.11.2014
(54) PROTECTION CIRCUIT FOR SEMICONDUCTOR SWITCHING ELEMENT, AND POWER CONVERSION DEVICE
(73) Meidensha Corporation
(72) SAKO, Hiromi
(31) 2013231641
(32) 08.11.2013
(33) Japan

(51) H03K 17/16
H03K 19/003
(11) EP3095192
(21) EP14802059.7
(47) 07.08.2019
(87) EP2014075284
23.07.2015
(22) 21.11.2014
(54) METHOD FOR CONTROLLING SWITCHING EDGES FOR SWITCHED OUTPUT STAGES, CONTROL DEVICE, AND OUTPUT STAGE
(73) Robert Bosch GmbH
(72) RITZMANN, Steffen
ROSAHL, Thoralf
(31) 102014200752
(32) 17.01.2014
(33) Germany

(51) H03K 17/94
G01S 17/42
G01S 7/48
G01S 7/497
(11) EP3199978
(21) EP16204877.1
(47) 07.08.2019
(22) 16.12.2016
(54) OPTOELECTRONIC SENSOR
(73) SICK AG
(72) Jachmann, Fabian
(31) 102016100322
(32) 11.01.2016
(33) Germany

(51) H03K 17/96
(11) EP2962393
(21) EP14704374.9
(47) 07.08.2019
(87) EP2014052971
04.09.2014
(22) 14.02.2014
(54) METHOD FOR FORMING A SENSOR ELECTRODE FOR A CAPACITIVE SENSOR DEVICE
(73) Microchip Technology Germany GmbH
(72) HEIM, Axel
(31) 201313778394
(32) 27.02.2013
(33) United States of America

(51) H03K 17/96
(11) EP3210305
(21) EP15704639.2
(47) 07.08.2019
(87) US2015013057
28.04.2016
(22) 27.01.2015
(54) ANALOG ELIMINATION OF UNGROUNDED CONDUCTIVE OBJECTS IN CAPACITIVE SENSING
(73) Microchip Technology Incorporated
(72) DAVISON, Burke
GAO, Xiang
LEFAOU, Yann
(31) 201462068450 P
201414566183
(32) 24.10.2014
10.12.2014
(33) United States of America
United States of America

(51) H03K 17/96
H03K 17/00
(11) EP2529483
(21) EP11700683.3
(47) 07.08.2019
(87) EP2011050889
04.08.2011
(22) 24.01.2011
(54) CIRCUIT ASSEMBLY FOR DETERMINING A CAPACITY OF A NUMBER OF CAPACITIVE SENSOR ELEMENTS
(73) E.G.O. Elektro-Gerätebau GmbH
(72) KRAUS, Randolf
(31) 102010001377
(32) 29.01.2010
(33) Germany

(51) H03K 17/98
H03K 17/967
(11) EP3152837
(21) EP15726146.2
(47) 07.08.2019
(87) EP2015062166
10.12.2015
(22) 01.06.2015
(54) DEVICE FOR CONTROLLING MULTIPLE FUNCTIONS IN A MOTOR VEHICLE
(73) Leopold Kostal GmbH & Co. KG
(72) BLECKMANN, Michael
BORGMANN, Uwe
(31) 102014008459
102014008464
(32) 06.06.2014
06.06.2014
(33) Germany
Germany

(51) H03K 19/0175
H03K 19/20
(11) EP1743422
(21) EP05711776.4
(47) 07.08.2019
(87) US2005001938
09.09.2005
(22) 20.01.2005
(54) LOW LEAKAGE AND DATA RETENTION CIRCUITRY
(73) Conversant Intellectual Property Management Inc.
(72) HOBERMAN, Barry
HILLMAN, Daniel
WALKER, William
CALLAHAN, John
ZAMPAGLIONE, Michael
COLE, Andrew
(31) 546574 P
(32) 19.02.2004
(33) United States of America

(51) H03K 19/0185
(11) EP3041142
(21) EP15185464.3
(47) 07.08.2019
(22) 16.09.2015
(54) METHOD FOR PERFORMING SIGNAL DRIVING CONTROL IN AN ELECTRONIC DEVICE WITH AID OF DRIVING CONTROL SIGNALS, AND ASSOCIATED APPARATUS
(73) MediaTek, Inc
(72) CHEN, Shang-Pin
LI, An-Siou
(31) 201462090893 P
201514830755
(32) 12.12.2014
20.08.2015
(33) United States of America
United States of America

(51) H03L 7/091
G01R 19/25

(11) EP3346610
(21) EP18151321.9
(47) 07.08.2019
(22) 14.10.2015
(54) PROCESSOR FOR DETERMINING A PHASE OF A RECEIVED SIGNAL BASED ON VALUES SAMPLED FROM A RECEIVING SEQUENCE
(73) Sonovum AG
(72) Wrobel, Miroslaw
Kolany, Adam
(31) 102014015126
(32) 14.10.2014
(33) Germany

(51) H03M 3/04
(11) EP2940874
(21) EP14368021.3
(47) 07.08.2019
(22) 30.04.2014
(54) Flash converter capacitance reduction method
(73) Dialog Semiconductor (UK) Limited
(72) Richardson, Justin
Kelly, Mairead
Myles, Andrew

(51) H03M 13/15
H04L 1/00
(11) EP2903167
(21) EP13840222.7
(47) 07.08.2019
(87) CN2013084362
03.04.2014
(22) 26.09.2013
(54) METHOD AND APPARATUS FOR FORWARD ERROR CORRECTION (FEC) CODING BASED ON TIME-DIVISION DUPLEX (TDD)
(73) Sanechips Technology Co., Ltd.
(72) ZENG, Jirui
WANG, Tong
WANG, Wenqing
(31) 201210370536
(32) 28.09.2012
(33) China

(51) H03M 13/25
H03M 13/11
H04L 1/00
H04L 27/34
(11) EP2814181
(21) EP14173767.6
(47) 07.08.2019
(22) 14.06.2012
(54) LDPC coded modulation in combination with 256QAM and OFDM
(73) Sun Patent Trust
(72) Petrov, Mihail
(31) 11004946
(32) 16.06.2011
(33) European Patent Office (EPO)

(51) H03M 13/25
H03M 13/11
H04L 1/00
H04L 27/34
(11) EP2784941
(21) EP14174710.5
(47) 07.08.2019
(22) 14.06.2012
(54) LDPC coded modulation with outer BCH code in combination with 256QAM
(73) Sun Patent Trust
(72) Petrov, Mihail
(31) 11004946
(32) 16.06.2011
(33) European Patent Office (EPO)

(51) H03M 13/27
(11) EP1986330
(21) EP08160263.3
(47) 07.08.2019
(22) 19.12.2005
(54) Interleaving with iterative computation of interleaving addresses
(73) Orange
(72) Siaud, Isabelle
Ulmer-Moll, Anne-Marie
(31) 0414113
(32) 31.12.2004
(33) France

(51) H04B 1/00
H03D 7/14
H04L 5/00
H04L 27/26
(11) EP3355478
(21) EP18154125.1
(47) 07.08.2019
(22) 10.09.2014
(54) RADIO RECEIVER FOR CARRIER AGGREGATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) NILSSON, Magnus
JAKOBSSON, Peter

(51) H04B 1/00
H04W 28/02
H04W 28/10
H04L 12/801
G08G 1/16
H04L 12/707
H04B 1/08
H04B 1/3822
G08G 1/0967
H04B 7/26
(11) EP3427387
(21) EP17709025.5
(47) 07.08.2019
(87) EP2017054783
14.09.2017
(22) 01.03.2017
(54) CONTROL DEVICE AND METHOD FOR COUPLING A MULTI-STANDARD ANTENNA ASSEMBLY OF A MOTOR VEHICLE TO AT LEAST ONE VEHICLE COMPONENT
(73) Audi AG
(72) VOIGT, Christoph
VOLNHALS, Stefan
STÖCKL, Gerald
EHRENTRAUT, Herbert
RIPLINGER, Ralf
PAPP, Aurel
SPEHL, Jürgen
(31) 102016002944
(32) 11.03.2016
(33) Germany

(51) H04B 1/04
H02H 3/00
H04L 29/00
(11) EP3011676
(21) EP14730557.7
(47) 07.08.2019
(87) EP2014062764
24.12.2014
(22) 17.06.2014
(54) METHOD OF COMMUNICATING IN A NETWORK INTERCONNECTING AT LEAST TWO GENERATING SETS AND CORRESPONDING INTERFACING DEVICE
(73) SDMO Industries
(72) DE SALLIER DUPIN, Jean-François
(31) 1355659
(32) 17.06.2013
(33) France

(51) H04B 1/16
G01S 19/23
H04W 4/02
(11) EP2727249
(21) EP12726712.8
(47) 07.08.2019
(87) US2012041528
13.12.2012
(22) 08.06.2012
(54) SYSTEMS AND METHODS FOR INTEGRATING CELLULAR AND LOCATION DETECTION FUNCTIONALITY USING A SINGLE CRYSTAL OSCILLATOR
(73) Avago Technologies International Sales Pte. Limited
(72) LORENZ, Robert
MEDAPALLI, Kamesh
VAN DIGGELEN, Frank
ABRAHAM, Charlie
(31) 201161494841 P
(32) 08.06.2011
(33) United States of America

(51) H04B 1/16
H04L 29/00
H04M 1/725
H04W 52/02
H04W 84/10
(11) EP2783467
(21) EP12852187.9
(47) 07.08.2019
(87) JP2012081010
30.05.2013
(22) 22.11.2012
(54) WIRELESS COMMUNICATION APPARATUS
(73) Panasonic Corporation
(72) SUGITANI, Toshiyuki
(31) 2011256462
(32) 24.11.2011
(33) Japan

(51) H04B 1/38
H04B 1/00
H04W 88/08
(11) EP3311501
(21) EP16732563.8
(47) 07.08.2019
(87) EP2016064233
22.12.2016
(22) 20.06.2016
(54) SCALABLE TELECOMMUNICATIONS SYSTEM
(73) Andrew Wireless Systems GmbH
(72) DUSSMANN, Alfons

KUMMETZ, Thomas
SCHMID, Peter
FACKLER, Karl-Heinz
(31) 201562182063 P
(32) 19.06.2015
(33) United States of America

(51) H04B 1/44
H04B 7/26
H04L 5/00
H04W 28/06
H04W 72/14
(11) EP1949547
(21) EP06812257.1
(47) 07.08.2019
(87) KR2006004416
10.05.2007
(22) 27.10.2006
(54) DATA RECEIVING METHOD FOR MOBILE COMMUNICATION TERMINAL
(73) LG Electronics, Inc.
(72) LEE, Young-Dae
CHUN, Sung-Duck
JUNG, Myung-Cheul
PARK, Sung-Jun
FISCHER, Patrick
(31) 732080 P
20060063139
(32) 31.10.2005
05.07.2006
(33) United States of America
Korea (Republic)

(51) H04B 3/28
H04B 3/30
(11) EP3107217
(21) EP15305945.6
(47) 07.08.2019
(22) 18.06.2015
(54) METHOD AND SYSTEM FOR TRANSMITTING SIGNALS ON A MULTI-CONDUCTOR CABLE
(73) Sercel
(72) GHANEM ELKORSO, Fatima
SENECHAL, Emmanuel

(51) H04B 3/32
H03H 11/28
H04L 25/02
(11) EP3270518
(21) EP16195777.4
(47) 07.08.2019
(22) 26.10.2016
(54) TIME DIVISION DUPLEXING RECEIVER WITH CONSTANT IMPEDANCE FOR A BROADBAND LINE TERMINAL WITH ASYNCHRONOUS TRANSMISSION
(73) Intel IP Corporation
(72) FLEISCHHACKER, Christian
STROBEL, Rainer
(31) 201662362448 P
(32) 14.07.2016
(33) United States of America

(51) H04B 3/54
(11) EP2517365
(21) EP10809016.8
(47) 07.08.2019
(87) FR2010052727
14.07.2011
(22) 14.12.2010
(54) METHOD FOR SELECTING A TRANSMISSION MODE
(73) Orange
(72) ULMER-MOLL, Anne-Marie
SIAUD, Isabelle
(31) 0959407
(32) 22.12.2009
(33) France

(51) H04B 3/54
(11) EP2541788
(21) EP12004783.2
(47) 07.08.2019
(22) 26.06.2012
(54) Powerline communication device
(73) Avago Technologies International Sales Pte. Limited
(72) Abad Molina, Jose
Hurwitz, Jonathan
(31) 201161503060 P
201113246433
(32) 30.06.2011
27.09.2011
(33) United States of America
United States of America

(51) H04B 3/54
H04B 3/06
H04B 3/46
(11) EP3008829
(21) EP14811042.2
(47) 07.08.2019
(87) US2014042393
18.12.2014
(22) 13.06.2014
(54) INFERRING FEEDER AND PHASE POWERING A TRANSMITTER
(73) Astrolink International LLC
Dominion Energy Technologies, Inc.
(72) HANSELL, Jerritt, H.
BERNHEIM, Henrik, F.
(31) 201361834573 P
(32) 13.06.2013
(33) United States of America

(51) H04B 3/54
H04L 27/26
H04B 1/71
H04K 3/00
H04L 5/00
H04L 25/02
H04L 25/08
(11) EP2297865
(21) EP09759583.9
(47) 07.08.2019
(87) US2009046512
10.12.2009
(22) 05.06.2009
(54) JAMMER CANCELLER FOR POWER-LINE COMMUNICATION
(73) Maxim Integrated Products, Inc.
(72) UMARI, Maher
RAZAZIAN, Kaveh
LOGINOV, Victor, V.
(31) 59709 P
478684
(32) 06.06.2008
04.06.2009
(33) United States of America
United States of America

(51) H04B 3/56
H04L 12/10
H04B 3/54
(11) EP3128679
(21) EP16169042.5
(47) 07.08.2019
(22) 10.05.2016
(54) COUPLER FOR POWER LINE COMMUNICATION AND POWER-OVER-ETHERNET
(73) The Boeing Company
(72) SHEFFIELD, Gregory Lloyd
(31) 201514821199
(32) 07.08.2015
(33) United States of America

(51) H04B 5/00
(11) EP2867996
(21) EP13752935.0
(47) 07.08.2019
(87) IB2013055061
03.01.2014
(22) 20.06.2013
(54) A NEAR-FIELD UHF IDENTIFICATION SYSTEM AND A METHOD FOR IDENTIFYING AN OBJECT OR THE KIND OF AN OBJECT THAT IS OR CONTAINS ELECTRICALLY CONDUCTIVE MATERIAL USING NEAR-FIELD IDENTIFICATION
(73) Teknologian tutkimuskeskus VTT Oy
(72) JAAKKOLA, Kaarle
KOIVU, Petteri
NUMMILA, Kaj
(31) 20125745
(32) 28.06.2012
(33) Finland

(51) H04B 5/00
H02J 5/00
H04L 12/10
H04L 25/02
H02J 7/02
(11) EP2803142
(21) EP13700674.8
(47) 07.08.2019
(87) EP2013050493
18.07.2013
(22) 11.01.2013
(54) MODULAR DATA SYSTEM HAVING INDUCTIVE ENERGY TRANSFER
(73) Phoenix Contact GmbH & Co. KG
(72) SCHOLZ, Peter
KALHOFF, Johannes
(31) 102012000409
(32) 12.01.2012
(33) Germany

(51) H04B 5/00
H02J 50/10
H02J 50/80
(11) EP3127248
(21) EP15728023.1
(47) 07.08.2019
(87) EP2015063254
23.12.2015
(22) 15.06.2015
(54) WIRELESS INDUCTIVE POWER TRANSFER
(73) Koninklijke Philips N.V.
(72) JOYE, Neil Francis
VAN WAGENINGEN, Andries

ABERNETHY, Simon George
LULOFS, Klaas Jacob
(31) 14173120
(32) 19.06.2014
(33) European Patent Office (EPO)

(51) H04B 7/022
H04L 1/18
H04W 36/18
H04W 36/30
H04W 74/00
H04W 74/04
H04W 88/08
(11) EP3089394
(21) EP16174995.7
(47) 07.08.2019
(22) 29.10.2004
(54) METHOD AND SYSTEM FOR TRANSMITTING ACKS AND NACKS DURING SOFT HANDOVER
(73) Signal Trust for Wireless Innovation
(72) Shin, Sung-Hyuk
Terry, Stephen
Miller, James M.
Dick, Steven G.
Zhang, Guodong
(31) 517656 P
519990 P
520692 P
578674 P
962720
(32) 05.11.2003
14.11.2003
17.11.2003
10.06.2004
12.10.2004
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) H04B 7/024
(11) EP3166231
(21) EP16163781.4
(47) 07.08.2019
(22) 05.04.2016
(54) DISTRIBUTED ANTENNA SYSTEM
(73) SOLiD INC
(72) CHO, Young Man
(31) 20150154267
(32) 04.11.2015
(33) Korea (Republic)

(51) H04B 7/04
H04B 7/06
H04L 5/00
H04L 25/03
(11) EP2692069
(21) EP11861958.4
(47) 07.08.2019
(87) CN2011072349
04.10.2012
(22) 31.03.2011
(54) METHOD IN A WIRELESS COMMUNICATION SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) LIU, Jianghua
ROBERT SAFAVI, Anahid

(51) H04B 7/04
H04B 17/00
H04L 5/00
H04W 36/00
(11) EP3086482
(21) EP14871649.1
(47) 07.08.2019
(87) KR2014012526
25.06.2015
(22) 18.12.2014
(54) METHOD FOR SUPPORTING REFERENCE SIGNAL TRANSMISSION IN MULTIPLE ANTENNA-SUPPORTING WIRELESS COMMUNICATION SYSTEM, AND APPARATUS THEREFOR
(73) LG Electronics Inc.
(72) KIM, Youngtae
KIM, Kijun
SEO, Inkwon
CHAE, Hyukjin
PARK, Jonghyun
PARK, Hanjun
(31) 201361917944 P
(32) 19.12.2013
(33) United States of America

(51) H04B 7/04
H04L 5/00
H04W 52/24
H04W 72/04
H04W 72/08
(11) EP2678951
(21) EP12750037.9
(47) 07.08.2019
(87) KR2012000832
30.08.2012
(22) 06.02.2012
(54) METHOD OF PERFORMING MEASUREMENT AT UE AND BS IN WIRELESS COMMUNICATION SYSTEM AND APPARATUSES THEREOF
(73) LG Electronics Inc.
(72) PARK, Jonghyun
SEO, Inkwon
KIM, Hyungtae
SEO, Hanbyul
LEE, Seungmin
KIM, Kijun
CHOI, Youngseob
(31) 201161445534 P
201161446497 P
20120004970
(32) 22.02.2011
24.02.2011
16.01.2012
(33) United States of America
United States of America
Korea (Republic)

(51) H04B 7/04
H04W 72/12
H04B 7/024
H04B 7/06
H04L 1/00
H04W 72/08
(11) EP2466760
(21) EP10807913.8
(47) 07.08.2019
(87) CN2010073721
17.02.2011
(22) 09.06.2010
(54) METHOD AND DEVICE FOR DETERMINING CQI VALUE IN COORDINATED MULTI-POINT TRANSMISSION/RECEPTION
(73) ZTE Corporation
(72) SUN, Yunfeng
ZHANG, Junfeng
JIANG, Jing
ZHU, Changqing
(31) 200910166155
(32) 14.08.2009
(33) China

(51) H04B 7/0408
H04B 7/0491
H04B 7/08
(11) EP2396902
(21) EP10711854.9
(47) 07.08.2019
(87) EP2010051643
19.08.2010
(22) 10.02.2010
(54) COMMUNICATION SYSTEM, APPARATUS AND METHOD FOR ANTENNA ARRAY CONTROL
(73) Analog Devices Global Unlimited Company
(72) O'KEEFFE, Conor
(31) 0902407
(32) 13.02.2009
(33) United Kingdom

(51) H04B 7/0456
H04B 7/04
H01Q 9/04
H04B 7/10
(11) EP3292636
(21) EP15726132.2
(47) 07.08.2019
(87) EP2015061963
08.12.2016
(22) 29.05.2015
(54) TRANSMIT DEVICE AND METHOD THEREOF
(73) Huawei Technologies Co., Ltd.
(72) SIHLBOM, Björn
GUSTAFSSON, Mattias

(51) H04B 7/0456
H04B 7/10
H04B 7/06
(11) EP3309984
(21) EP16807334.4
(47) 07.08.2019
(87) JP2016066116
15.12.2016
(22) 01.06.2016
(54) TRANSMISSION DEVICE AND TRANSMISSION METHOD
(73) Panasonic Intellectual Property Corporation of America
(72) MURAKAMI, Yutaka
KIMURA, Tomohiro
OUCHI, Mikihiro
(31) 201562173096 P
201562184412 P
2015141955
2016092928
(32) 09.06.2015
25.06.2015
16.07.2015
06.05.2016

(33) United States of America
United States of America
Japan
Japan

(51) H04B 7/06
(11) EP3028388
(21) EP14831947.8
(47) 07.08.2019
(87) KR2014005639
05.02.2015
(22) 25.06.2014
(54) METHOD FOR REPORTING CHANNEL STATE INFORMATION FOR PARTIAL ANTENNA ARRAY BASED BEAMFORMING IN WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) KANG, Jiwon
LEE, Kilbom
KO, Hyunsoo
CHUNG, Jaehoon
(31) 201361859787 P
(32) 30.07.2013
(33) United States of America

(51) H04B 7/06
(11) EP3350939
(21) EP15767131.4
(47) 07.08.2019
(87) EP2015071380
23.03.2017
(22) 17.09.2015
(54) DETERMINATION OF A PREFERRED BEAM IN A CELLULAR COMMUNICATION NETWORK EMPLOYING SIGNAL BEAM-FORMING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) NILSSON, Andreas
ASPLUND, Henrik
ATHLEY, Fredrik
JALDÉN, Niklas

(51) H04B 7/06
H04B 7/04
(11) EP3228022
(21) EP15866132.2
(47) 07.08.2019
(87) KR2015013044
09.06.2016
(22) 02.12.2015
(54) METHOD FOR FEEDING BACK PARTIAL CSIS FROM USER EQUIPMENT IN WIRELESS COMMUNICATION SYSTEM AND AN APPARATUS FOR THE SAME
(73) LG Electronics Inc.
(72) KiM, Hyungtae
KIM, Kijun
PARK, Jonghyun
LEE, Hyunho
(31) 201462087765 P
(32) 04.12.2014
(33) United States of America

(51) H04B 7/06
H04B 7/04
H04L 5/00
(11) EP2866361
(21) EP13808971.9
(47) 07.08.2019
(87) KR2013005535
03.01.2014
(22) 24.06.2013
(54) METHOD AND APPARATUS FOR REPORTING CHANNEL STATE INFORMATION IN WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) KO, Hyunsoo
KIM, Kitae
CHUNG, Jaehoon
(31) 201261663613 P
201261732405 P
(32) 24.06.2012
03.12.2012
(33) United States of America
United States of America

(51) H04B 7/06
H04B 17/00
H04W 52/02
(11) EP3055934
(21) EP14852018.2
(47) 07.08.2019
(87) KR2014008680
16.04.2015
(22) 18.09.2014
(54) APPARATUS AND METHOD FOR CONTROLLING POWER BASED ON ENERGY EFFICIENCY IN MULTIPLE-INPUT AND MULTIPLE-OUTPUT (MIMO) COMMUNICATION SYSTEM
(73) Samsung Electronics Co., Ltd.
(72) LEE, Byung Moo
BANG, Jong Ho
LEE, Nam Jeong
CHOI, Jin Hyeock
(31) 20130121157
(32) 11.10.2013
(33) Korea (Republic)

(51) H04B 7/06
H04L 27/12
H04L 1/00
(11) EP2319199
(21) EP09810221.3
(47) 07.08.2019
(87) KR2009004821
04.03.2010
(22) 28.08.2009
(54) APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING FAST FEEDBACK INFORMATION IN BROADBAND WIRELESS COMMUNICATION SYSTEM
(73) Nokia Technologies Oy
(72) KIM, Sang-Heon
YOU, Hwa-Sun
KANG, Hee-Won
CHO, Jae-Hee
PARK, Si-Hyun
(31) 20080084922
20090061261
(32) 29.08.2008
06.07.2009
(33) Korea (Republic)
Korea (Republic)

(51) H04B 7/08
H04W 24/02
(11) EP2856833
(21) EP12878532.6
(47) 07.08.2019
(87) SE2012050603
12.12.2013
(22) 05.06.2012
(54) METHOD FOR SELECTING ANTENNAS TO BE INCLUDED IN A SET OF RECEIVING ANTENNAS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) BENTLAND, Benny
BLOM, Nina
SJÖSTRÖM, Gunilla
KRONQUIST, Göran

(51) H04B 7/155
H04L 1/08
H04L 12/18
H04W 4/06
H04W 84/04
H04L 1/00
(11) EP2730056
(21) EP12735319.1
(47) 07.08.2019
(87) GB2012051328
17.01.2013
(22) 12.06.2012
(54) MOBILE COMMUNICATIONS NETWORK, MOBILE COMMUNICATIONS DEVICE, RELAY NODE AND METHOD
(73) SCA IPLA Holdings Inc.
(72) BARRETT, Stephen John
JONES, Alan
(31) 201111739
(32) 08.07.2011
(33) United Kingdom

(51) H04B 7/185
H04B 7/204
(11) EP2442460
(21) EP11002789.3
(47) 07.08.2019
(22) 04.04.2011
(54) Flexible coverage areas for return link signals in a spot beam satellite communication system
(73) ViaSat, Inc.
(72) Miller, Mark J.
(31) 301164 P
201113019842
201113019841
(32) 03.02.2010
02.02.2011
02.02.2011
(33) United States of America
United States of America
United States of America

(51) H04B 7/26
H04B 15/00
H04J 11/00
H04B 7/04
H04L 5/00
H04W 28/04
H04W 72/12
H04B 17/345
H04L 27/26
H04W 72/00
H04W 72/04
H04W 72/08
H04W 88/02
(11) EP3011693

(21) EP14813314.3
(47) 07.08.2019
(87) KR2014005296
24.12.2014
(22) 17.06.2014
(54) METHOD FOR INTERFERENCE CANCELLATION IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS THEREFOR
(73) LG Electronics Inc.
(72) KIM, Kijun
PARK, Jonghyun
LEE, Hyunho
KIM, Hyungtae
(31) 201361837133 P
201361891874 P
201461950194 P
201461968380 P
(32) 19.06.2013
16.10.2013
09.03.2014
21.03.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) H04B 7/26
H04W 16/14
(11) EP2660997
(21) EP11852931.2
(47) 07.08.2019
(87) KR2011010287
05.07.2012
(22) 29.12.2011
(54) METHOD AND APPARATUS FOR TRANSCEIVING CHANNEL TRANSMIT POWER INFORMATION IN A WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) KIM, Eunsun
SEOK, Yongho
(31) 201061428235 P
201161431434 P
201161432199 P
201161435352 P
(32) 30.12.2010
11.01.2011
12.01.2011
24.01.2011
(33) United States of America
United States of America
United States of America
United States of America

(51) H04B 7/26
H04W 88/08
(11) EP3352384
(21) EP15906969.9
(47) 07.08.2019
(87) CN2015093259
04.05.2017
(22) 29.10.2015
(54) DATA SENDING AND RECEIVING METHOD, APPARATUS AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) CAI, Meng
JIANG, Hongli
LI, Kun

(51) H04B 10/00
H04J 14/00
H04J 14/02
(11) EP2490353
(21) EP10823249.7
(47) 07.08.2019
(87) JP2010064150
21.04.2011
(22) 23.08.2010
(54) LIGHT BRANCHING APPARATUS, OPTICAL COMMUNICATION SYSTEM AND LIGHT MULTIPLEXING METHOD
(73) NEC Corporation
(72) INOUE, Takanori
(31) 2009239011
(32) 16.10.2009
(33) Japan

(51) H04B 10/071
(11) EP3259856
(21) EP15884981.0
(47) 07.08.2019
(87) CN2015074306
22.09.2016
(22) 16.03.2015
(54) DEVICE AND METHOD FOR OTDR TRANSMITTER NOISE COMPENSATION
(73) Huawei Technologies Co., Ltd.
(72) JIANG, Zhiping
YAO, Demin
LUO, Xiaodong
HUANG, Yansui

(51) H04B 10/079
H04J 14/02
(11) EP2974077
(21) EP13708488.5
(47) 07.08.2019
(87) EP2013054991
18.09.2014
(22) 12.03.2013
(54) CONTROLLING OPTICAL SIGNAL POWER LEVELLING IN AN OPTICAL COMMUNICATION NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) COSTANTINI, Matteo

(51) H04B 10/114
H04B 10/116
(11) EP3123633
(21) EP15717321.2
(47) 07.08.2019
(87) US2015022529
01.10.2015
(22) 25.03.2015
(54) LIGHT-BASED COMMUNICATION (LCOM) VISUAL HOTSPOTS
(73) Osram Sylvania Inc.
(72) STOUT, Barry
BREUER, Christian
AGGARWAL, Anant
SIESSEGGER, Bernhard
(31) 201461970310 P
201461970321 P
201461970323 P
(32) 25.03.2014
25.03.2014
25.03.2014
(33) United States of America
United States of America
United States of America

(51) H04B 10/116
H04L 25/02
H04L 25/49
H04Q 9/00
G09G 3/20
G09G 3/34
G09G 3/36
G09G 5/10
(11) EP2940901
(21) EP13869196.9
(47) 07.08.2019
(87) JP2013007684
03.07.2014
(22) 27.12.2013
(54) DISPLAY METHOD
(73) Panasonic Intellectual Property Corporation of America
(72) OSHIMA, Mitsuaki
NAKANISHI, Koji
AOYAMA, Hideki
AOTO, Koji
SHIOKAWA, Akira
MAEDA, Toshiyuki
UEKI, Akihiro
SUZUKI, Takashi
(31) 2012286339
201261746315 P
2013110445
2013182714
2013242407
201361910158 P
2013248709
(32) 27.12.2012
27.12.2012
24.05.2013
04.09.2013
22.11.2013
29.11.2013
29.11.2013
(33) Japan
United States of America
Japan
Japan
Japan
United States of America
Japan

(51) H04B 10/116
H04N 5/225
H04N 7/025
(11) EP3155732
(21) EP15741496.2
(47) 07.08.2019
(87) EP2015001198
17.12.2015
(22) 15.06.2015
(54) OPTICAL FREE-SPACE TRANSMISSION
(73) Technische Universität Dortmund
(72) KAYS, Rüdiger
(31) 102014008405
(32) 13.06.2014
(33) Germany

(51) H04B 10/2557
H04J 14/00
H04J 14/02
H04J 14/04
H04J 14/06
H04B 10/532
H04B 10/54
H04B 10/516

(11) EP2963846
(21) EP13876197.8
(47) 07.08.2019
(87) JP2013006195
04.09.2014
(22) 18.10.2013
(54) WAVELENGTH-DIVISION MULTIPLEXING OPTICAL TRANSMISSION DEVICE AND WAVELENGTH-DIVISION MULTIPLEXING OPTICAL TRANSMISSION METHOD
(73) NEC Corporation
(72) INADA, Yoshihisa
(31) 2013035456
(32) 26.02.2013
(33) Japan

(51) H04B 10/2575
(11) EP3238351
(21) EP15821081.5
(47) 07.08.2019
(87) EP2015081178
30.06.2016
(22) 23.12.2015
(54) DOWN CONVERSION SYSTEM AND METHOD
(73) LEONARDO MW LTD
(72) FLINT, Ian
(31) 201423160
(32) 23.12.2014
(33) United Kingdom

(51) H04B 10/27
(11) EP2868012
(21) EP12880104.0
(47) 07.08.2019
(87) US2012044516
03.01.2014
(22) 28.06.2012
(54) OPTICAL SHUFFLING
(73) Hewlett Packard Enterprise Development LP
(72) ROSENBERG, Paul Kessler
FATTAL, David A.
FIORENTINO, Marco
BEAUSOLEIL, Raymond G.

(51) H04B 10/548
H04B 10/255
H04B 10/2557
H04J 11/00
H04J 14/00
H04J 14/04
H04J 14/06
H04B 10/50
H04B 10/532
H04L 27/20
(11) EP2882118
(21) EP13825957.7
(47) 07.08.2019
(87) JP2013002937
06.02.2014
(22) 07.05.2013
(54) POLARIZATION MULTIPLEXING OPTICAL TRANSMITTER AND METHOD FOR CONTROLLING OPERATION
(73) NEC Corporation
(72) INADA, Yoshihisa
(31) 2012170697
(32) 01.08.2012
(33) Japan

(51) H04B 17/00
(11) EP2443760
(21) EP10788515.4
(47) 07.08.2019
(87) AU2010000762
23.12.2010
(22) 18.06.2010
(54) CHARACTERISATION OF A WIRELESS COMMUNICATIONS LINK
(73) Cohda Wireless Pty Ltd
(72) ALEXANDER, Paul, Dean
HALEY, David, Victor, Lawrie
(31) 2009902847
(32) 19.06.2009
(33) Australia

(51) H04B 17/336
H04W 52/24
(11) EP3384615
(21) EP15804721.7
(47) 07.08.2019
(87) EP2015078037
08.06.2017
(22) 30.11.2015
(54) METHOD AND APPARATUS FOR SIGNAL TO INTERFERENCE AND NOISE RATIO ESTIMATION
(73) Telecom Italia S.p.A.
(72) COLLOTTA, Ivano
FANTINI, Roberto
FODRINI, Maurizio
MELIS, Bruno

(51) H04J 3/06
G04R 20/06
(11) EP2469765
(21) EP10791594.4
(47) 07.08.2019
(87) CN2010074663
29.12.2010
(22) 29.06.2010
(54) METHOD AND SYSTEM FOR IMPLEMENTING TIME SYNCHRONIZATION IN LOCAL AREA NETWORK (LAN)
(73) ZTE Corporation
(72) FANG, Yanbin
LIANG, Tao
(31) 200910252167
(32) 10.12.2009
(33) China

(51) H04J 3/06
H04W 56/00
H04W 84/18
G04G 7/00
G06F 1/12
(11) EP2926604
(21) EP12888981.3
(47) 07.08.2019
(87) FI2012051195
05.06.2014
(22) 30.11.2012
(54) MULTI-CHANNEL SENSOR MEASUREMENT METHOD AND SYSTEM
(73) VALMET AUTOMATION OY
(72) KAUPPILA, Jarmo

(51) H04J 11/00
(11) EP2897315
(21) EP13837729.6
(47) 07.08.2019
(87) JP2013072245
20.03.2014
(22) 21.08.2013
(54) OFDM RECEPTION APPARATUS AND OFDM RECEPTION METHOD
(73) Mitsubishi Electric Corporation
(72) SUGANO Miki
SUZUKI Hiroshi
NAITO Masahiro
(31) 2012199392
(32) 11.09.2012
(33) Japan

(51) H04J 11/00
H04B 7/26
H04B 7/14
H03M 13/27
H03M 13/00
H04L 1/00
H04L 5/00
H04W 72/04
H04W 84/04
H03M 13/37
(11) EP2583396
(21) EP11795998.1
(47) 07.08.2019
(87) KR2011004448
22.12.2011
(22) 17.06.2011
(54) METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING R-PDCCH
(73) LG Electronics Inc.
(72) KIM, Hakseong
SEO, Hanbyul
KIM, Kijun
(31) 20110058458
363621 P
356024 P
(32) 16.06.2011
12.07.2010
17.06.2010
(33) Korea (Republic)
United States of America
United States of America

(51) H04J 11/00
H04B 7/26
H04L 5/00
H04L 5/14
(11) EP2835918
(21) EP13771907.6
(47) 07.08.2019
(87) KR2013002887
10.10.2013
(22) 05.04.2013
(54) METHOD AND APPARATUS FOR AGGREGATING CARRIERS IN WIRELESS COMMUNICATION SYSTEMS
(73) LG Electronics Inc.
(72) SEO, Dongyoun
KIM, Bonghoe
AHN, Joonkui
YANG, Suckchel
SEO, Hanbyul
LEE, Seungmin
YI, Yunjung
(31) 201261620449 P

201261636740 P
201261667947 P
201261702214 P
201261738401 P
201361750316 P
(32) 05.04.2012
23.04.2012
04.07.2012
17.09.2012
18.12.2012
08.01.2013
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) H04J 11/00
H04L 5/00
H04W 48/16
H04L 27/01
H04W 48/08
H04W 72/04
(11) EP2373094
(21) EP09834284.3
(47) 07.08.2019
(87) JP2009005965
01.07.2010
(22) 09.11.2009
(54) BASE STATION DEVICE, MOBILE STATION DEVICE AND COMMUNICATION METHOD
(73) Sharp Kabushiki Kaisha
(72) NOGAMI, Toshizo
AIBA, Tatsushi
YAMADA, Shohei
TSUBOI, Hidekazu
UEMURA, Katsunari
NAKASHIMA, Daiichiro
SUZUKI, Shoichi
(31) 2008331652
(32) 26.12.2008
(33) Japan

(51) H04J 14/02
H04B 10/2507
(11) EP3317986
(21) EP15735891.2
(47) 07.08.2019
(87) EP2015064859
05.01.2017
(22) 30.06.2015
(54) ACTIVATION OF AN OPTICAL NETWORK UNIT IN A MULTI-WAVELENGTH PASSIVE OPTICAL NETWORK
(73) Politecnico Di Torino
Telecom Italia S.p.A.
(72) CAPRIATA, Stefano
GAUDINO, Roberto
FERRERO, Valter
VALVO, Maurizio

(51) H04J 14/02
H04L 12/24
H04L 12/917
H04Q 11/00
(11) EP2963852
(21) EP15171852.5
(47) 07.08.2019
(22) 12.06.2015
(54) SYSTEMS AND METHODS FOR STATISTICAL MULTIPLEXING WITH OTN AND DWDM
(73) Ciena Corporation
(72) PRAKASH, Anurag
CHHILLAR, Mohit
(31) 1607DE2014
201414340788
(32) 13.06.2014
25.07.2014
(33) India
United States of America

(51) H04J 14/02
H04N 7/22
H04L 12/28
H04Q 11/00
(11) EP2507927
(21) EP10794925.7
(47) 07.08.2019
(87) EP2010068767
09.06.2011
(22) 02.12.2010
(54) METHOD FOR CONVEYING DATA ACROSS DOMAINS OR NETWORKS
(73) Xieon Networks S.à r.l.
(72) MORPER, Hans-Jochen
SCHMIDT, Ernst-Dieter
(31) 09177937
(32) 03.12.2009
(33) European Patent Office (EPO)

(51) H04J 99/00
(11) EP2030354
(21) EP07798586.9
(47) 07.08.2019
(87) US2007071259
21.12.2007
(22) 14.06.2007
(54) FIBRE CHANNEL DYNAMIC ZONING
(73) Cisco Technology, Inc.
(72) SHARMA, Samar
MISHRA, Chandan
MAINO, Fabio
(31) 454239
(32) 16.06.2006
(33) United States of America

(51) H04L 1/00
(11) EP2519049
(21) EP10791438.4
(47) 07.08.2019
(87) CN2010073587
29.12.2010
(22) 04.06.2010
(54) METHOD AND COMMUNICATION SYSTEM FOR IMPLEMENTING ADJUSTMENT OF UPLINK ADAPTIVE CODING MODE
(73) ZTE Corporation
(72) HE, Jianfeng
LI, Shu
ZHU, Suyu
(31) 200910254391
(32) 22.12.2009
(33) China

(51) H04L 1/00
(11) EP3142278
(21) EP14891460.9
(47) 07.08.2019
(87) CN2014085689
12.11.2015
(22) 01.09.2014
(54) MODULATION PROCESSING METHOD AND APPARATUS FOR HIGH-ORDER CODING, BASE STATION, AND TERMINAL
(73) ZTE Corporation
(72) CHEN, Zewei
DAI, Bo
LI, Yu Ngok
ZUO, Zhisong
XU, Jun
XIA, Shuqiang
(31) 201410197177
(32) 09.05.2014
(33) China

(51) H04L 1/00
(11) EP3353923
(21) EP15904828.9
(47) 07.08.2019
(87) SE2015050993
30.03.2017
(22) 23.09.2015
(54) METHODS AND NETWORK NODES FOR MANAGING ESTABLISHMENT OF A RADIO SESSION
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) GUNNARSSON, Fredrik
CIRKIC, Mirsad
RYDÉN, Henrik
BERGLUND, Joel

(51) H04L 1/00
H04L 1/16
H04L 1/18
(11) EP2985941
(21) EP15184063.4
(47) 07.08.2019
(22) 28.01.2008
(54) A METHOD AND A DEVICE FOR IMPROVED STATUS REPORTS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) TORSNER, Johan
MEYER, Michael
WIEMANN, Henning
(31) PCT/EP2007/050994
983633 P
(32) 01.02.2007
30.10.2007
(33) World Intellectual Property Office (WIPO)
United States of America

(51) H04L 1/00
H04L 1/16
H04L 5/14
(11) EP2675092
(21) EP12185130.7
(47) 07.08.2019
(22) 20.09.2012
(54) Methods and systems for dynamic speed change on high speed interconnects
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) Knutsen, Rune
Andersen, Ken Henry
Brendeland, Sjur
Heimdal, Kjell
Jevne, Geir
Martensson, Daniel
Mikkelsen, Tryggve

(31) 201261660263 P
(32) 15.06.2012
(33) United States of America

(51) H04L 1/00
H04N 21/236
H04N 21/235
H04N 21/234
H04B 7/04
H04L 27/26
H04L 5/00
H04W 4/06
(11) EP3206352
(21) EP15851557.7
(47) 07.08.2019
(87) KR2015005760
21.04.2016
(22) 09.06.2015
(54) BROADCAST SIGNAL TRANSMISSION APPARATUS, BROADCAST SIGNAL RECEPTION APPARATUS, BROADCAST SIGNAL TRANSMISSION METHOD, AND BROADCAST SIGNAL RECEPTION METHOD
(73) LG Electronics Inc.
(72) BAEK, Jongseob
KO, Woosuk
HONG, Sungryong
(31) 201462062946 P
(32) 12.10.2014
(33) United States of America

(51) H04L 1/00
H04W 28/06
(11) EP3403348
(21) EP17703850.2
(47) 07.08.2019
(87) US2017013594
20.07.2017
(22) 14.01.2017
(54) MODE INDICATION FOR WIRELESS DEVICES
(73) Qualcomm Incorporated
(72) SANDEROVICH, Amichai
EITAN, Alecsander Petru
(31) 201662279637 P
201715406654
(32) 15.01.2016
13.01.2017
(33) United States of America
United States of America

(51) H04L 1/06
H04B 7/06
H04B 7/0456
H01Q 3/26
(11) EP3185454
(21) EP14903679.0
(47) 07.08.2019
(87) CN2014088324
14.04.2016
(22) 10.10.2014
(54) PRECODED INFORMATION ACQUISITION DEVICE, METHOD AND SYSTEM
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) BI, Xiaoyan
CHEN, Dageng

(51) H04L 1/16
(11) EP2675094
(21) EP13181835.3
(47) 07.08.2019
(22) 09.12.2008
(54) Method in a telecommunication system
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) Astely, David
Hu, Yang
Wan, Lei
Larsson, Daniel
(31) 76899 P
(32) 30.06.2008
(33) United States of America

(51) H04L 1/16
(11) EP2820787
(21) EP13710695.1
(47) 07.08.2019
(87) US2013028376
06.09.2013
(22) 28.02.2013
(54) APPARATUS AND METHODS FOR BLOCK ACKNOWLEDGMENT COMPRESSION
(73) Qualcomm Incorporated
(72) ASTERJADHI, Alfred
MERLIN, Simone
WENTINK, Maarten Menzo
ABRAHAM, Santosh Paul
QUAN, Zhi
(31) 201261605078 P
201261642604 P
201261672157 P
201213705768
(32) 29.02.2012
04.05.2012
16.07.2012
05.12.2012
(33) United States of America
United States of America
United States of America
United States of America

(51) H04L 1/16
H04L 1/00
H04L 1/18
H04L 5/00
H04L 27/26
H04W 88/08
H04W 72/04
(11) EP2800292
(21) EP12862529.0
(47) 07.08.2019
(87) CN2012081698
04.07.2013
(22) 20.09.2012
(54) METHOD AND DEVICE FOR FEEDBACK INFORMATION TRANSMISSION BASED ON ENHANCED PHICH
(73) China Academy of Telecommunications Technology
(72) ZHAO, Rui
PAN, Xueming
SHEN, Zukang
(31) 201110452537
(32) 29.12.2011
(33) China

(51) H04L 1/18
(11) EP3353931
(21) EP15787722.6
(47) 07.08.2019
(87) SE2015051120
30.03.2017
(22) 21.10.2015
(54) METHODS AND APPARATUSES FOR CONTROLLING TIMING OF FEEDBACK TRANSMISSIONS
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) PARKVALL, Stefan
BALDEMAIR, Robert
(31) 201562221345 P
(32) 21.09.2015
(33) United States of America

(51) H04L 1/18
H04L 5/00
(11) EP2974105
(21) EP14717012.0
(47) 07.08.2019
(87) US2014024888
25.09.2014
(22) 12.03.2014
(54) APPARATUS AND METHOD FOR SCHEDULING DELAYED ACKS/NACKS IN LTE CELLULAR SYSTEMS
(73) Qualcomm Incorporated
(72) KHUDE, Nilesh N.
JIANG, Libin
TAVILDAR, Saurabha R.
PATIL, Shailesh
(31) 201313844864
(32) 16.03.2013
(33) United States of America

(51) H04L 1/18
H04L 5/00
H04L 1/16
H04W 72/12
(11) EP2070241
(21) EP07825156.8
(47) 07.08.2019
(87) IB2007002742
03.04.2008
(22) 20.09.2007
(54) UPLINK ALLOCATIONS FOR ACKNOWLEDGEMENT OF DOWNLINK DATA
(73) Nokia Technologies Oy
(72) FREDERIKSEN, Frank
KOLDING, Troels
(31) 848211 P
(32) 29.09.2006
(33) United States of America

(51) H04L 1/20
(11) EP3224948
(21) EP15868582.6
(47) 07.08.2019
(87) CN2015096170
16.06.2016
(22) 01.12.2015
(54) SYSTEM AND METHOD FOR DETECTING LOSS OF SIGNAL
(73) Huawei Technologies Co., Ltd.
(72) TONIETTO, Davide
WONG, Henry
(31) 201414567068
(32) 11.12.2014
(33) United States of America

(51) H04L 1/20
H04H 20/28
H04H 40/18
H04L 27/26

(11) EP1808026
(21) EP05796074.2
(47) 07.08.2019
(87) US2005030998
04.05.2006
(22) 31.08.2005
(54) TPS DECODER IN AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING RECEIVER
(73) Qualcomm Incorporated
(72) YE, Hua
IANCU, Daniel
(31) 972268
(32) 25.10.2004
(33) United States of America

(51) H04L 5/00
(11) EP2753016
(21) EP14150099.1
(47) 07.08.2019
(22) 03.01.2014
(54) Obtaining control channel elements of physical downlink control channels for cross-carrier scheduling
(73) Samsung Electronics Co., Ltd
(72) Papasakellariou, Aris
(31) 201361748694 P
201361754823 P
201313914723
(32) 03.01.2013
21.01.2013
11.06.2013
(33) United States of America
United States of America
United States of America

(51) H04L 5/00
(11) EP2962502
(21) EP14763547.8
(47) 07.08.2019
(87) CN2014073324
18.09.2014
(22) 12.03.2014
(54) SYSTEM AND METHOD FOR DETERMINING A PILOT SIGNAL
(73) Huawei Technologies Co., Ltd.
(72) YI, Zhihang
MA, Jianglei
ZHANG, Liqing
AU, Kelvin Kar Kin
(31) 201313798297
(32) 13.03.2013
(33) United States of America

(51) H04L 5/00
(11) EP3269067
(21) EP15790077.0
(47) 07.08.2019
(87) EP2015075157
15.09.2016
(22) 29.10.2015
(54) REDUCING REFERENCE SIGNALS WHEN COMMUNICATING MULTIPLE SUB-SUBFRAMES BETWEEN A BASE STATION AND A WIRELESS TERMINAL
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ANDERSSON, Mattias
ANDGART, Niklas
MAATTANEN, Helka-Liina
(31) 201562130200 P
201562130312 P
201562130127 P
(32) 09.03.2015
09.03.2015
09.03.2015
(33) United States of America
United States of America
United States of America

(51) H04L 5/00
(11) EP3070871
(21) EP16153677.6
(47) 07.08.2019
(22) 01.02.2016
(54) MAPPING DATA PRIORITY TO CHANNEL QUALITY IN UPLINK CARRIER AGGREGATION
(73) Intel IP Corporation
(72) PALLE, Naveen
DEPARIS, Francois
JANIK, Piotr
(31) 201514661074
(32) 18.03.2015
(33) United States of America

(51) H04L 5/00
(11) EP3121987
(21) EP16170845.8
(47) 07.08.2019
(22) 29.06.2012
(54) METHOD FOR RECEIVING AND SENDING CONTROL CHANNEL, USER EQUIPMENT AND BASE STATION
(73) Huawei Technologies Co., Ltd.
(72) GUAN, Lei
(31) 201110346048
201210006086
(32) 04.11.2011
10.01.2012
(33) China
China

(51) H04L 5/00
(11) EP3334080
(21) EP16832265.9
(47) 07.08.2019
(87) CN2016092345
09.02.2017
(22) 29.07.2016
(54) DATA TRANSMISSION METHOD AND DEVICE
(73) China Academy of Telecommunications Technology
(72) REN, Bin
KANG, Shaoli
QIN, Fei
SUN, Shaohui
GAO, Qiubin
(31) 201510477817
(32) 06.08.2015
(33) China

(51) H04L 5/00
H04B 7/04
H04B 7/06
H04J 11/00
H04L 1/18
H04W 52/32
H04W 72/10
(11) EP3327982
(21) EP18152473.7
(47) 07.08.2019
(22) 22.06.2009
(54) METHOD OF ARRANGING REFERENCE SIGNALS AND WIRELESS COMMUNICATION SYSTEM
(73) Sun Patent Trust
(72) NISHIO, Akihiko
NAKAO, Seigo
(31) 2008163033
(32) 23.06.2008
(33) Japan

(51) H04L 5/00
H04B 7/26
H04J 11/00
(11) EP2849358
(21) EP13788199.1
(47) 07.08.2019
(87) KR2013003911
14.11.2013
(22) 06.05.2013
(54) METHOD AND APPARATUS FOR TRANSMITTING DATA
(73) LG Electronics Inc.
(72) YI, Yunjung
AHN, Joonkui
SEO, Dongyoun
(31) 201261643333 P
(32) 06.05.2012
(33) United States of America

(51) H04L 5/00
H04L 1/00
H04W 72/04
H04W 4/00
H04W 88/02
H04W 88/08
(11) EP3007378
(21) EP15190817.5
(47) 07.08.2019
(22) 08.06.2011
(54) METHOD AND APPARATUS FOR TRANSCEIVING DATA IN A MULTI-CARRIER WIRELESS COMMUNICATION SYSTEM
(73) Electronics and Telecommunications Research Institute
(72) Ko, Young Jo
Seo, Bang Won
Ahn, Jae Young
(31) 20100054026
20100063401
20110054501
(32) 08.06.2010
01.07.2010
07.06.2011
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) H04L 5/00
H04L 27/26
(11) EP2395677
(21) EP10738785.4
(47) 07.08.2019
(87) KR2010000801
12.08.2010
(22) 09.02.2010
(54) METHOD FOR TRANSMITTING COMMON REFERENCE SIGNAL IN DOWNLINK MIMO SYSTEM
(73) LG Electronics Inc.
(72) LEE, Moon Il

CHUNG, Jae Hoon
KO, Hyun Soo
IHM, Bin Chul
(31) 151150 P
161070 P
163014 P
233496 P
20090108578
(32) 09.02.2009
18.03.2009
24.03.2009
13.08.2009
11.11.2009
(33) United States of America
United States of America
United States of America
United States of America
Korea (Republic)

(51) H04L 5/00
H04L 27/26
H04W 24/10
H04W 72/04
H04W 16/14
(11) EP3238362
(21) EP16704287.8
(47) 07.08.2019
(87) US2016012521
04.08.2016
(22) 07.01.2016
(54) METHOD AND APPARATUS FOR SIGNALING APERIODIC CHANNEL STATE INDICATION REFERENCE SIGNALS FOR LTE OPERATION
(73) Motorola Mobility LLC
(72) NIMBALKER, Ajit
NANGIA, Vijay
NARASIMHA, Murali
NORY, Ravikiran
(31) 201562109928 P
201514672356
(32) 30.01.2015
30.03.2015
(33) United States of America
United States of America

(51) H04L 5/00
H04L 27/26
H04W 72/04
H04W 48/12
(11) EP3301849
(21) EP17199232.4
(47) 07.08.2019
(22) 11.09.2008
(54) METHOD FOR TRANSMITTING AND RECEIVING CONTROL INFORMATION THROUGH PDCCH
(73) Optis Cellular Technology, LLC
(72) LEE, Dae Won
KIM, Ki Jun
NOH, Yu Jin
AHN, Joon Kui
LEE, Jung Hoon
(31) 29576 P
37000 P
20080068633
(32) 19.02.2008
17.03.2008
15.07.2008
(33) United States of America
United States of America
Korea (Republic)

(51) H04L 5/00
H04W 72/04
(11) EP3297365
(21) EP16806797.3
(47) 07.08.2019
(87) CN2016085027
15.12.2016
(22) 07.06.2016
(54) CARRIER AGGREGATION METHOD USING SUBFRAME OFFSET AND BASE STATION
(73) Huawei Technologies Co., Ltd.
(72) ZHAO, Nan
CHENG, Zhulin
(31) 201510319680
(32) 11.06.2015
(33) China

(51) H04L 5/00
H04W 72/04
H04L 5/16
(11) EP3249986
(21) EP15881567.0
(47) 07.08.2019
(87) CN2015073059
18.08.2016
(22) 13.02.2015
(54) DATA TRANSMISSION METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) LIU, Kunpeng
ZHANG, Leiming

(51) H04L 5/00
H04W 72/04
H04L 25/02
(11) EP2636196
(21) EP11785236.8
(47) 07.08.2019
(87) US2011059396
10.05.2012
(22) 04.11.2011
(54) REFERENCE SIGNAL RECEPTION AND CHANNEL STATE INFORMATION DETERMINATION FOR MULTIPLE NODES IN A WIRELESS COMMUNICATION NETWORK
(73) Qualcomm Incorporated
(72) BHATTAD, Kapil
CHEN, Wanshi
GAAL, Peter
MONTOJO, Juan
(31) 201113288172
410780 P
(32) 03.11.2011
05.11.2010
(33) United States of America
United States of America

(51) H04L 5/00
H04W 84/12
H04B 7/04
H04L 27/26
H04W 72/04
(11) EP3342245
(21) EP15902379.5
(47) 07.08.2019
(87) SE2015050899
02.03.2017
(22) 26.08.2015
(54) SCHEDULING OF USERS FOR MULTI-USER TRANSMISSION IN A WIRELESS COMMUNICATION SYSTEM
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) WANG, Meng
WILHELMSSON, Leif

(51) H04L 5/02
H04W 74/08
H04L 1/06
(11) EP1929819
(21) EP06790759.2
(47) 07.08.2019
(87) CA2006001595
05.04.2007
(22) 28.09.2006
(54) INITIAL ACCESS CHANNEL FOR SCALABLE WIRELESS MOBILE COMMUNICATION NETWORKS
(73) Apple Inc.
(72) MA, Jianglei
XU, Hua
JIA, Ming
BOUMENDIL, Sarah
LE STRAT, Evelyne
ZHANG, Hang
ZHU, Peiying
TONG, Wen
(31) 722744 P
759388 P
814417 P
(32) 30.09.2005
17.01.2006
16.06.2006
(33) United States of America
United States of America
United States of America

(51) H04L 5/06
H04L 5/00
(11) EP3142285
(21) EP15184607.8
(47) 07.08.2019
(22) 10.09.2015
(54) COMMUNICATION METHOD, APPARATUS AND COMPUTER PROGRAM
(73) Kyynel Oy
(72) RAUSTIA, Matti
VANNINEN, Teemu

(51) H04L 5/22
H04L 27/26
H04B 7/26
H04L 5/00
(11) EP2784971
(21) EP12851569.9
(47) 07.08.2019
(87) KR2012008524
30.05.2013
(22) 18.10.2012
(54) METHOD AND DEVICE FOR TRANSMITTING/RECEIVING TRANSMISSION MODE INFORMATION ON USER TERMINAL IN INTER-BAND TDD TRANSMISSION SCHEME
(73) Apple Inc.
(72) PARK, Donghyun
KWON, Kibum
(31) 20110124642

(32) 25.11.2011
(33) Korea (Republic)

(51) H04L 7/00
H03L 7/081
H04L 7/033
(11) EP3320644
(21) EP16718798.8
(47) 07.08.2019
(87) US2016026681
12.01.2017
(22) 08.04.2016
(54) CLOCK DATA RECOVERY (CDR) PHASE WALK SCHEME IN A PHASE-INTERPOLATER-BASED TRANSCEIVER SYSTEM
(73) Xilinx, Inc.
(72) XU, Yu
HSIEH, Cheng-Hsiang
FRANS, Yohan
CHANG, Kun-Yung
(31) 201514795169
(32) 09.07.2015
(33) United States of America

(51) H04L 7/00
H04W 56/00
H04W 74/08
(11) EP3311614
(21) EP15733653.8
(47) 07.08.2019
(87) EP2015063618
22.12.2016
(22) 17.06.2015
(54) METHOD FOR SIGNAL DETECTION IN A SYSTEM WITH SPARSE SYNCHRONIZATION SIGNAL RATE.
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) LINDOFF, Bengt
ASHRAF, Shehzad, Ali

(51) H04L 7/02
(11) EP2104267
(21) EP09154666.3
(47) 07.08.2019
(22) 09.03.2009
(54) Clock domain crossing synchronizer with feedback
(73) Exelis Inc.
(72) McCabe, Patrick Arthur
(31) 51067
(32) 19.03.2008
(33) United States of America

(51) H04L 7/02
H04N 21/242
H03L 7/00
H04N 5/04
(11) EP2815532
(21) EP12868502.1
(47) 07.08.2019
(87) US2012024844
22.08.2013
(22) 13.02.2012
(54) AUDIO RECEIVER AND SAMPLE RATE CONVERTER WITHOUT PLL OR CLOCK RECOVERY
(73) Intel Corporation
(72) RUAN, Wei

(51) H04L 9/00
G06F 21/55
G06F 21/71
G06F 21/72
G06F 21/76
G06F 21/75
(11) EP3080746
(21) EP14868741.1
(47) 07.08.2019
(87) US2014069784
18.06.2015
(22) 11.12.2014
(54) GATE-LEVEL MASKING
(73) Cryptography Research Inc.
(72) LEISERSON, Andrew John
MARSON, Mark Evan
WACHS, Megan Anneke
(31) 201361915332 P
201414565821
(32) 12.12.2013
10.12.2014
(33) United States of America
United States of America

(51) H04L 9/00
H04L 9/08
G06F 21/60
G06F 21/62
(11) EP3161992
(21) EP14748271.5
(47) 07.08.2019
(87) IB2014062636
30.12.2015
(22) 26.06.2014
(54) PRIVACY-PRESERVING QUERYING MECHANISM ON PRIVATELY ENCRYPTED DATA ON SEMI-TRUSTED CLOUD
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ALJUMAH, Feras
POURZANDI, Makan
DEBBABI, Mourad

(51) H04L 9/08
(11) EP3363144
(21) EP16779088.0
(47) 07.08.2019
(87) EP2016074209
20.04.2017
(22) 10.10.2016
(54) METHOD AND APPARATUS FOR ESTABLISHING A COMMON SECRET
(73) Robert Bosch GmbH
(72) KASPER, Bjoern
LOTHSPEICH, Timo
KELLER, Thomas
HORST, Christian
HUCK, Thorsten
MUELLER, Andreas
SCHWEPP, Thorsten
(31) 102015219991
(32) 15.10.2015
(33) Germany

(51) H04L 9/08
G09C 1/00
(11) EP3094038
(21) EP15167392.8
(47) 07.08.2019
(22) 12.05.2015
(54) APPARATUS AND METHOD FOR PROVIDING EAVESDROPPING DETECTION OF AN OPTICAL FIBER COMMUNICATION
(73) ID Quantique S.A.
(72) Johnson, Simon
Ribordy, Grégoire

(51) H04L 9/08
H04L 9/14
H04L 9/30
H04L 9/32
G06F 12/14
(11) EP3197089
(21) EP14905535.2
(47) 07.08.2019
(87) CN2014090480
12.05.2016
(22) 06.11.2014
(54) SECURE INFORMATION CONFIGURATION METHOD, SECURE AUTHENTICATION METHOD AND RELATED CHIP
(73) Huawei Technologies Co., Ltd.
(72) HE, Guizhou

(51) H04L 9/08
H04L 9/32
(11) EP3435586
(21) EP18175173.6
(47) 07.08.2019
(22) 30.05.2018
(54) METHOD TO REDUCE AGING OF A CACHE MEMORY
(73) Intrinsic ID B.V.
(72) SIMONS, Petrus Wijnandus
GOOSSENS, Svennius Leonardus Maria
(31) 17183111
(32) 25.07.2017
(33) European Patent Office (EPO)

(51) H04L 9/08
H04L 12/58
H04L 29/06
(11) EP2974162
(21) EP14767599.5
(47) 07.08.2019
(87) US2014025078
25.09.2014
(22) 12.03.2014
(54) NON-RETAINED MESSAGE SYSTEM
(73) Thorpe, John R.
(72) Thorpe, John R.
(31) 201313844136
(32) 15.03.2013
(33) United States of America

(51) H04L 9/30
G06F 21/62
H04L 29/06
H04L 29/08
(11) EP3127274
(21) EP15773683.6
(47) 07.08.2019
(87) US2015018941
08.10.2015
(22) 05.03.2015
(54) METHODS AND APPARATUS TO SECURELY SHARE DATA
(73) Intel Corporation
(72) SMITH, Ned M.
BEN-SHALOM, Omer
NAYSHTUT, Alex
(31) 201414230618

(32) 31.03.2014
(33) United States of America

(51) H04L 9/30
H04L 9/32
H04L 29/06
H04L 29/12
G06F 21/31
H04W 12/06
(11) EP3337124
(21) EP17204821.7
(47) 07.08.2019
(22) 30.11.2017
(54) AUTHENTICATING A SYSTEM BASED ON A CERTIFICATE
(73) ZixCorp Systems, Inc.
(72) KALAN, John
REGO, Charles A.
AGNEW, Deryk Shane
ROBERTSON, David Joseph
(31) 201615377445
(32) 13.12.2016
(33) United States of America

(51) H04L 9/32
H04L 9/08
H04L 29/06
(11) EP3041165
(21) EP14004456.1
(47) 07.08.2019
(22) 31.12.2014
(54) A METHOD FOR THE VERIFICATION OF THE CORRECT CONTENT OF AN ENCODED MESSAGE
(73) Scytl Secure Electronic Voting, S.A.
(72) Guasch Castelló, Sandra
Escala Ribas, Alex
Puiggalí Allepuz, Jordi

(51) H04L 9/32
H04N 21/8358
G06F 21/10
(11) EP3281357
(21) EP16777021.3
(47) 07.08.2019
(87) US2016021536
13.10.2016
(22) 09.03.2016
(54) SESSION BASED WATERMARKING OF MEDIA CONTENT USING ENCRYPTED CONTENT STREAMS
(73) DivX, LLC
(72) SRINIVASAN, Mayur
(31) 201514680998
(32) 07.04.2015
(33) United States of America

(51) H04L 12/12
H04L 12/70
H04L 12/841
G06F 1/3209
G06F 1/3296
(11) EP2761825
(21) EP11873412.8
(47) 07.08.2019
(87) US2011054466
04.04.2013
(22) 30.09.2011
(54) CREDIT BASED POWER MANAGEMENT
(73) Intel Corporation
(72) WANG, Ren
TAI, Tsung-Yuan C.
TSAI, Jr-Shian
MACIOCCO, Christian

(51) H04L 12/14
H04M 15/00
(11) EP3152863
(21) EP14731560.0
(47) 07.08.2019
(87) EP2014061493
10.12.2015
(22) 03.06.2014
(54) PREEMPTIVE CREDIT CONTROL
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) YANG, Jiehong
LARSSON, Anders
ENGSTRÖM, Anders
SHRADER, David

(51) H04L 12/14
H04M 15/00
H04M 17/00
H04L 12/24
(11) EP2924917
(21) EP12890113.9
(47) 07.08.2019
(87) CN2012086641
19.06.2014
(22) 14.12.2012
(54) METHOD, SYSTEM, GATEWAY AND SERVER FOR CANCELLING REDIRECTION
(73) Huawei Technologies Co., Ltd.
(72) GUO, Jiancheng
CHEN, Xiao
LIN, Qingchun
ZHU, Ying

(51) H04L 12/18
(11) EP2676411
(21) EP12701567.5
(47) 07.08.2019
(87) US2012020746
23.08.2012
(22) 10.01.2012
(54) METHOD AND SYSTEM FOR CLASSIFICATION AND MANAGEMENT OF INTER-BLADE NETWORK TRAFFIC IN A BLADE SERVER
(73) ORACLE INTERNATIONAL CORPORATION
(72) SRINIVASAN, Arvind
DIGNUM, Marcelino
(31) 201113028593
(32) 16.02.2011
(33) United States of America

(51) H04L 12/18
H04L 12/12
H04L 29/06
(11) EP2783483
(21) EP12851967.5
(47) 07.08.2019
(87) IB2012002417
30.05.2013
(22) 20.11.2012
(54) METHODS AND SYSTEMS FOR COLLABORATIVE REMOTE APPLICATION SHARING AND CONFERENCING
(73) Calgary Scientific Inc.
(72) THOMAS, Monroe, Milas
STEPHURE, Matthew, James
LEITCH, Sam, Anthony
PIGAT, Daniel, Angelo
(31) 201161563256 P
201261623131 P
(32) 23.11.2011
12.04.2012
(33) United States of America
United States of America

(51) H04L 12/18
H04L 12/58
H04L 29/06
G06Q 10/10
(11) EP3068070
(21) EP14865957.6
(47) 07.08.2019
(87) CN2014077357
04.06.2015
(22) 13.05.2014
(54) METHOD AND DEVICE FOR INITIATING NETWORK CONFERENCE
(73) Huawei Technologies Co., Ltd.
(72) YING, Yifeng
(31) 201310632759
(32) 29.11.2013
(33) China

(51) H04L 12/18
H04L 29/06
H04N 7/15
(11) EP3182643
(21) EP15843212.0
(47) 07.08.2019
(87) CN2015089049
31.03.2016
(22) 07.09.2015
(54) MEDIA CONTROL METHOD AND DEVICE
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) LIU, Yan
YANG, Weiwei
(31) 201410504812
(32) 26.09.2014
(33) China

(51) H04L 12/24
B66B 1/34
B66B 1/46
H04W 4/50
(11) EP3146674
(21) EP15721730.8
(47) 07.08.2019
(87) EP2015060586
26.11.2015
(22) 13.05.2015
(54) CONFIGURING TERMINAL DEVICES
(73) Inventio AG
(72) FRIEDLI, Paul
(31) 14169658
(32) 23.05.2014
(33) European Patent Office (EPO)

(51) H04L 12/24
G06F 9/455
G06F 9/50
G06F 9/48
H04L 29/14
H04L 29/08
(11) EP2732369
(21) EP12733008.2
(47) 07.08.2019
(87) EP2012061998

17.01.2013
(22) 21.06.2012
(54) COMPUTER SYSTEM, METHOD FOR STARTING A SERVER COMPUTER, SERVER COMPUTER, MANAGEMENT STATION, AND USE
(73) Fujitsu Limited
(72) SUDHOFF-EWERS, Michael
BERNER, Lothar
THOELKE, Andreas
(31) 102011107092
(32) 11.07.2011
(33) Germany

(51) H04L 12/24
H04L 12/26
(11) EP2611074
(21) EP12199490.9
(47) 07.08.2019
(22) 27.12.2012
(54) Confidence intervals for key performance indicators in communication networks
(73) Tektronix, Inc.
(72) Wilkinson, Robert Todd
(31) 201161580502 P
201213452008
(32) 27.12.2011
20.04.2012
(33) United States of America
United States of America

(51) H04L 12/24
H04L 12/26
(11) EP3310000
(21) EP17188130.3
(47) 07.08.2019
(22) 28.08.2017
(54) METHODS AND SYSTEMS FOR ANALYZING STREAMING MEDIA SESSIONS
(73) CALLSTATS I/O Oy
(72) Singh, Varun
Ott, Jörg
(31) 201615293428
(32) 14.10.2016
(33) United States of America

(51) H04L 12/24
H04L 12/26
G06F 11/20
H04L 12/703
(11) EP2458783
(21) EP10801873.0
(47) 07.08.2019
(87) CN2010071705
27.01.2011
(22) 12.04.2010
(54) PROTECTION SWITCHING METHOD AND SYSTEM FOR ETHERNET DUAL-HOME LINK
(73) ZTE Corporation
(72) SONG, Xiaoli
(31) 200910089781
(32) 23.07.2009
(33) China

(51) H04L 12/24
H04L 12/26
H04L 29/06
H04L 12/741
(11) EP3282642
(21) EP16847994.7
(47) 07.08.2019
(87) CN2016097819
30.03.2017
(22) 01.09.2016
(54) FLOW CONTROL METHOD AND EQUIPMENT
(73) Huawei Technologies Co., Ltd.
(72) WU, Ping
HUANG, Zhengquan
(31) 201510612886
(32) 23.09.2015
(33) China

(51) H04L 12/24
H04L 12/709
H04L 12/28
H04L 12/46
(11) EP2974147
(21) EP13877926.9
(47) 07.08.2019
(87) US2013045869
18.09.2014
(22) 14.06.2013
(54) LOOP-FREE HYBRID NETWORK
(73) Hewlett Packard Enterprise Development LP
(72) DEVARAJAN, Venkatavaradhan
ALLU RAM, Ram Prasad
(31) 771DE2013
(32) 15.03.2013
(33) India

(51) H04L 12/24
H04L 12/721
H04L 12/751
H04L 12/723
H04L 12/911
(11) EP2852104
(21) EP13800003.9
(47) 07.08.2019
(87) CN2013076820
12.12.2013
(22) 05.06.2013
(54) METHOD AND DEVICE FOR ESTABLISHING MULTI-PROTOCOL LABEL SWITCHING TRAFFIC ENGINEERING TUNNEL
(73) Huawei Technologies Co., Ltd.
(72) LI, Zhenbin
(31) 201210184022
(32) 06.06.2012
(33) China

(51) H04L 12/24
H04L 12/725
H04L 12/947
H04L 12/851
H04L 12/721
(11) EP3066802
(21) EP14707453.8
(47) 07.08.2019
(87) IB2014058678
07.05.2015
(22) 30.01.2014
(54) SERVICE CHAINING IN A CLOUD ENVIRONMENT USING SOFTWARE DEFINED NETWORKING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) BELIVEAU, Ludovic
TRUCHAN, Catherine
KRISHNAN, Suresh
(31) 201361899687 P
201414161261
(32) 04.11.2013
22.01.2014
(33) United States of America
United States of America

(51) H04L 12/24
H04L 12/801
H04L 12/851
(11) EP3320652
(21) EP16741996.9
(47) 07.08.2019
(87) IB2016053826
12.01.2017
(22) 27.06.2016
(54) METHOD FOR NON-ECONOMIC INCENTIVE BASED USER-NETWORK COOPERATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) MIHÁLY, Attila
NÁDAS, Szilveszter
(31) 201562189013 P
(32) 06.07.2015
(33) United States of America

(51) H04L 12/24
H04L 29/06
(11) EP2773067
(21) EP14000671.9
(47) 07.08.2019
(22) 26.02.2014
(54) METHOD FOR IMPROVING THE RELIABILITY OF ALERT MESSAGE GENERATION ON A SYNCHRONISED DATA NETWORK
(73) Cassidian CyberSecurity SAS
(72) Mascart, Julien
Rossigneux, Valérian
(31) 1351844
(32) 01.03.2013
(33) France

(51) H04L 12/24
H04L 29/08
H04W 16/20
H04L 12/28
(11) EP3121999
(21) EP16186768.4
(47) 07.08.2019
(22) 03.09.2009
(54) METHOD FOR REGULATING TEMPERATURES IN A WIRELESS BUILDING MANAGEMENT SYSTEM
(73) Siemens Corporation
Siemens Industry, Inc.
(72) Ahmed, Osman
LeBlanc, Richard John
Rosca, Justinian
Sastry, Chellury R.
(31) 93816 P
(32) 03.09.2008
(33) United States of America

(51) H04L 12/24
H04W 4/08
H04L 29/08
H04L 29/14
(11) EP2439881
(21) EP10796693.9
(47) 07.08.2019
(87) CN2010073645
13.01.2011

(22) 07.06.2010
(54) CLUSTER SYSTEM AND REQUEST MESSAGE DISTRIBUTION METHOD FOR PROCESSING MULTI-NODE TRANSACTION
(73) ZTE Corporation
(72) HUANG, Xiaojun
SHI, Meikang
(31) 200910151954
(32) 08.07.2009
(33) China

(51) H04L 12/26
(11) EP3261293
(21) EP17177254.4
(47) 07.08.2019
(22) 21.06.2017
(54) EXTENDED PING PROTOCOL FOR DETERMINING STATUS FOR REMOTE INTERFACES WITHOUT REQUIRING NETWORK REACHABILITY
(73) Juniper Networks, Inc.
(72) BONICA, Ronald P.
THOMAS, Reji
(31) 201615188934
(32) 21.06.2016
(33) United States of America

(51) H04L 12/26
G06F 11/34
H04L 29/06
H04L 12/24
(11) EP1604283
(21) EP03789732.9
(47) 07.08.2019
(87) US2003035673
27.05.2004
(22) 06.11.2003
(54) SERVER RESOURCE MANAGEMENT, ANALYSIS, AND INTRUSION NEGATION
(73) Palo Alto Networks, Inc.
(72) SAMPLE, Char
(31) 290961
(32) 08.11.2002
(33) United States of America

(51) H04L 12/26
H04L 12/24
(11) EP3160089
(21) EP16195009.2
(47) 07.08.2019
(22) 21.10.2016
(54) METHOD AND APPARATUS FOR GENERATING NETWORK DEPENDENCIES
(73) Solarwinds Worldwide, LLC
(72) LI, Na
OSTASHENKOV, Pavlo
ZATYLNY, Karlo Martin
(31) 201514920557
(32) 22.10.2015
(33) United States of America

(51) H04L 12/28
(11) EP2913961
(21) EP15156840.9
(47) 07.08.2019
(22) 27.02.2015
(54) METHOD AND SYSTEM FOR REMOTE CONTROL AND/OR REMOTE MONITORING OF THE OPERATION OF A HOUSEHOLD APPLIANCE WITH THE AID OF A COMMUNICATION DEVICE
(73) BSH Hausgeräte GmbH
(72) Häpp, Claudia
Kober, Christoph
Linder, Markus
Pietsch, Ingo
(31) 102014203580
(32) 27.02.2014
(33) Germany

(51) H04L 12/28
H04L 9/00
H04L 29/08
(11) EP2656552
(21) EP11850354.9
(47) 07.08.2019
(87) US2011065708
28.06.2012
(22) 19.12.2011
(54) THIRD PARTY INITIATION OF COMMUNICATIONS BETWEEN REMOTE PARTIES
(73) Microsoft Technology Licensing, LLC
(72) BARHAM, Paul
(31) 972526
(32) 20.12.2010
(33) United States of America

(51) H04L 12/28
H04L 12/24
H04L 29/06
H04W 12/08
(11) EP3386154
(21) EP18163297.7
(47) 07.08.2019
(22) 22.03.2018
(54) METHOD FOR CONNECTING A HOUSEHOLD APPLIANCE TO A WIRELESS HOME NETWORK
(73) Vorwerk & Co. Interholding GmbH
(72) Hillen, Lorenz
(31) 102017107088
(32) 03.04.2017
(33) Germany

(51) H04L 12/28
H04L 12/46
H04W 48/14
(11) EP1884137
(21) EP06755859.3
(47) 07.08.2019
(87) IB2006001172
16.11.2006
(22) 05.05.2006
(54) MECHANISM TO ENABLE DISCOVERY OF LINK/NETWORK FEATURES IN WLAN NETWORKS
(73) Nokia Technologies Oy
(72) FACCIN, Stefano M.
(31) 679375 P
(32) 06.05.2005
(33) United States of America

(51) H04L 12/28
H04L 12/54
H04L 12/721
H04L 29/12
H04L 12/24
H04L 29/06
H04L 12/46
(11) EP2859689
(21) EP13732006.5
(47) 07.08.2019
(87) US2013044793
12.12.2013
(22) 07.06.2013
(54) METHOD AND APPARATUSES FOR DYNAMICALLY TAGGING VLANS
(73) Extreme Networks, Inc.
(72) GROSSER, Donald, B.
RAMAMURTHY, Shankara
(31) 201213490873
(32) 07.06.2012
(33) United States of America

(51) H04L 12/28
H04L 12/701
H04L 12/775
H04L 12/707
(11) EP2433395
(21) EP10778267.4
(47) 07.08.2019
(87) US2010035287
25.11.2010
(22) 18.05.2010
(54) ACHIEVING ABOUT AN EQUAL NUMBER OF ACTIVE LINKS ACROSS CHASSIS IN A VIRTUAL PORT-CHANNEL ENVIRONMENT
(73) Cisco Technology, Inc.
(72) RAMAN, Pirabhu
SANE, Sanjay
GHOSH, Kalyan
(31) 467675
(32) 18.05.2009
(33) United States of America

(51) H04L 12/28
H04L 12/803
H04W 48/00
(11) EP3200408
(21) EP16153267.6
(47) 07.08.2019
(22) 29.01.2016
(54) ENHANCED LOAD BALANCING IN A MOBILE COMMUNICATION NETWORK
(73) Deutsche Telekom AG
(72) NEGM, Mohamed

(51) H04L 12/28
H04W 16/14
H04N 21/2385
H04N 21/61
(11) EP3334094
(21) EP16202958.1
(47) 07.08.2019
(22) 08.12.2016
(54) NODE DISTRIBUTION IN A MULTI CHANNEL MOCA NETWORK
(73) InCoax Networks AB
(72) SJÖSTRÖM, Jonny

(51) H04L 12/40
(11) EP3353960
(21) EP16785112.0
(47) 07.08.2019
(87) EP2016074807
08.06.2017
(22) 14.10.2016
(54) COMMUNICATIONS NETWORK, METHOD FOR OPERATING SAME, AND PARTICIPANTS IN A COMMUNICATIONS NETWORK

(73) Beckhoff Automation GmbH
(72) BUNTE, Thorsten
BÜTTNER, Holger
JANSSEN, Dirk
RETTIG, Thomas
BECKHOFF, Hans
VONNAHME, Erik
(31) 102015117937
(32) 21.10.2015
(33) Germany

(51) H04L 12/40
(11) EP3326333
(21) EP16727675.7
(47) 07.08.2019
(87) EP2016062469
26.01.2017
(22) 02.06.2016
(54) BUS SYSTEM, SUBSCRIBER STATION THEREFOR AND METHOD FOR CONFIGURING A STATIC BUS SYSTEM FOR A DYNAMIC COMMUNICATION
(73) Robert Bosch GmbH
(72) HEINZ, Thomas
AMARNATH, Rakshith
SZERWINSKI, Robert
SCHWEIZER, Markus
HAENGER, Jochen Ulrich
(31) 102015213522
(32) 17.07.2015
(33) Germany

(51) H04L 12/40
(11) EP3331201
(21) EP17001815.4
(47) 07.08.2019
(22) 07.11.2017
(54) MODBUS NETWORK FOR REDUNDANT REMOTE CONNECTION
(73) WAGO Verwaltungsgesellschaft mbH
(72) Südekum, Norman
Sundet, Torgeir
Paul, Marc-Andree
(31) 202016007423 U
(32) 03.12.2016
(33) Germany

(51) H04L 12/40
H04J 3/06
(11) EP2926505
(21) EP13831958.7
(47) 07.08.2019
(87) DE2013000704
05.06.2014
(22) 26.11.2013
(54) INTERFACE DEVICE AND METHOD FOR EXCHANGING USEFUL DATA
(73) Airbus Defence and Space GmbH
(72) HARTLMÜLLER, Peter
PLANKL, Helmut
SCHULTE, Christoph
(31) 102012023395
(32) 29.11.2012
(33) Germany

(51) H04L 12/40
H04L 12/46
H04L 9/32
(11) EP3346646
(21) EP16841029.8
(47) 07.08.2019
(87) JP2016003145
09.03.2017
(22) 30.06.2016
(54) GATEWAY DEVICE, CAR ONBOARD NETWORK SYSTEM, AND TRANSFER METHOD
(73) Panasonic Intellectual Property Corporation of America
(72) HAGA, Tomoyuki
NAKANO, Toshihisa
ANZAI, Jun
MATSUSHIMA, Hideki
UJIIE, Yoshihiro
UNAGAMI, Yuji
(31) 201562212104 P
2016119773
(32) 31.08.2015
16.06.2016
(33) United States of America
Japan

(51) H04L 12/403
(11) EP3453143
(21) EP17703925.2
(47) 07.08.2019
(87) EP2017025018
09.11.2017
(22) 02.02.2017
(54) METHOD FOR INITIALISING A BUS SYSTEM, AND BUS SYSTEM
(73) Sew-Eurodrive GmbH & Co. KG
(72) FUCHS, Manuel
(31) 102016005312
(32) 02.05.2016
(33) Germany

(51) H04L 12/403
(11) EP3453144
(21) EP17704669.5
(47) 07.08.2019
(87) EP2017025017
09.11.2017
(22) 02.02.2017
(54) METHOD FOR INTEGRATING A FURTHER BUS SUBSCRIBER INTO A BUS SYSTEM, AND BUS SYSTEM
(73) Sew-Eurodrive GmbH & Co. KG
(72) FUCHS, Manuel
(31) 102016005313
(32) 02.05.2016
(33) Germany

(51) H04L 12/413
H04W 74/08
(11) EP2779535
(21) EP14159834.2
(47) 07.08.2019
(22) 14.03.2014
(54) Method and system of enhancing signal processing in a shared medium network
(73) Echelon Corporation
(72) Sutterlin, Philip H.
Riley, Glen M.
Downey, Walter J.
(31) 201313838970
(32) 15.03.2013
(33) United States of America

(51) H04L 12/46
H04L 12/701
H04L 12/803
H04L 12/715
(11) EP3253007
(21) EP16761073.2
(47) 07.08.2019
(87) CN2016075490
15.09.2016
(22) 03.03.2016
(54) DATA MESSAGE TRANSMISSION METHOD AND EDGE ROUTING BRIDGE DEVICE
(73) Huawei Technologies Co., Ltd.
(72) ZHANG, Mingui
(31) 201510102617
(32) 09.03.2015
(33) China

(51) H04L 12/46
H04L 29/06
H04L 12/66
(11) EP2057796
(21) EP07736484.2
(47) 07.08.2019
(87) IL2007000749
28.02.2008
(22) 19.06.2007
(54) POINT-TO-MULTIPOINT FUNCTIONALITY IN A BRIDGED NETWORK
(73) ORCKIT IP, LLC
(72) SOLOMON, Ronen
BRUCKMAN, Leon
RAM, Rafi
ZELIG, David
KATZ, Shachar
(31) 508599
(32) 22.08.2006
(33) United States of America

(51) H04L 12/54
H04L 29/12
H04L 12/26
(11) EP2294739
(21) EP09798530.3
(47) 07.08.2019
(87) US2009048524
21.01.2010
(22) 24.06.2009
(54) INTER-OFFICE COMMUNICATION METHOD
(73) Mushroom Networks Inc.
(72) ARISOYLU, Mustafa
AKIN, H., Cahit
CRUZ, Rene, L.
MISHRA, Rajesh
(31) 75092 P
(32) 24.06.2008
(33) United States of America

(51) H04L 12/58
(11) EP2985957
(21) EP13887614.9
(47) 07.08.2019
(87) CN2013077995
31.12.2014
(22) 26.06.2013
(54) NETWORK DEVICE AND E-MAIL REQUEST PROCESSING METHOD
(73) Huawei Technologies Co., Ltd.
(72) ZHENG, Nenghong
GUO, Xianzhi

(51) H04L 12/58
(11) EP3133780
(21) EP16173596.4

(47) 07.08.2019
(22) 08.06.2016
(54) A METHOD TO PRE-SELECT FOLDERS TO SYNCHRONIZE DURING INITIAL EMAIL ACTIVATION ON A MOBILE DEVICE
(73) BlackBerry Limited
(72) BROWN, David Andrew
PURI, Ronesh
EWANCHUK, Andrew John
(31) 201514830319
(32) 19.08.2015
(33) United States of America

(51) H04L 12/58
G06Q 50/00
H04L 29/06
(11) EP3117577
(21) EP14885554.7
(47) 07.08.2019
(87) CN2014073309
17.09.2015
(22) 12.03.2014
(54) METHOD AND DEVICE FOR CONTROLLING PERIPHERAL DEVICES VIA A SOCIAL NETWORKING PLATFORM
(73) Tencent Technology (Shenzhen) Company Limited
(72) SUN, Danqing

(51) H04L 12/58
H04L 12/18
(11) EP2932666
(21) EP13821025.7
(47) 07.08.2019
(87) US2013075483
19.06.2014
(22) 16.12.2013
(54) ATTACHMENT COLLABORATION WITHIN MESSAGE ENVIRONMENTS
(73) Microsoft Technology Licensing, LLC
(72) CHAN, Philip Yue-Leung
WADDOUPS, Nathan F.
LOUGHRY, Michael Patrick
IVANOV, Maxim A.
(31) 201213716088
(32) 15.12.2012
(33) United States of America

(51) H04L 12/58
H04L 12/66
H04M 3/42
(11) EP3002912
(21) EP15193184.7
(47) 07.08.2019
(22) 25.03.2011
(54) COMPUTING DEVICE WITH REMOTE CONTACT LIST
(73) Google LLC
(72) STROPE, Brian
BEAUFAYS, Francoise
MURVEIT, Hy
(31) 732923
(32) 26.03.2010
(33) United States of America

(51) H04L 12/66
H04L 29/08
(11) EP2991281
(21) EP14883530.9
(47) 07.08.2019
(87) CN2014081244
07.01.2016
(22) 30.06.2014
(54) WEBPAGE PUSHING METHOD, DEVICE AND TERMINAL
(73) Huawei Technologies Co., Ltd.
(72) GAO, Jinrong
ZHANG, Kaibing
SHUI, Xinchao
WEN, Junbo

(51) H04L 12/701
H04L 12/26
H04L 12/24
(11) EP2586157
(21) EP10729708.7
(47) 07.08.2019
(87) EP2010059137
05.01.2012
(22) 28.06.2010
(54) NETWORK MANAGEMENT
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) MAGGIARI, Massimiliano
MARCENARO, Carla
BRUZZONE, Francesca

(51) H04L 12/703
H04L 12/46
H04L 12/721
H04L 12/709
(11) EP2961112
(21) EP13875436.1
(47) 07.08.2019
(87) CN2013083685
28.08.2014
(22) 17.09.2013
(54) MESSAGE FORWARDING SYSTEM, METHOD AND DEVICE
(73) ZTE Corporation
(72) YE, Ao
YANG, Qi
ZHOU, Haishan
HE, Qing
(31) 201310055687
(32) 21.02.2013
(33) China

(51) H04L 12/709
(11) EP2613478
(21) EP11821038.4
(47) 07.08.2019
(87) CN2011075970
08.03.2012
(22) 20.06.2011
(54) METHOD AND DEVICE FOR LINK AGGREGATION
(73) ZTE Corporation
(72) CHEN, Jian
YE, Ao
MA, Miaomiao
DU, Xiangwen
(31) 201010275509
(32) 03.09.2010
(33) China

(51) H04L 12/725
H04L 29/12
H04L 29/06
H04L 12/741
H04L 29/08
(11) EP2727316
(21) EP12735382.9
(47) 07.08.2019
(87) US2012044264
03.01.2013
(22) 26.06.2012
(54) SYSTEMS AND METHODS FOR TRANSPARENT LAYER 2 REDIRECTION TO ANY SERVICE
(73) Citrix Systems Inc.
(72) SUGANTHI, Josephine
(31) 201113173216
(32) 30.06.2011
(33) United States of America

(51) H04L 12/743
H04L 12/753
H04L 12/741
H04L 12/761
H04L 12/707
H04L 12/18
(11) EP3018869
(21) EP15171328.6
(47) 07.08.2019
(22) 10.06.2015
(54) DETERMINISTIC AND OPTIMIZED BIT INDEX EXPLICIT REPLICATION (BIER) FORWARDING
(73) Juniper Networks, Inc.
(72) CALLON, Ross
(31) 201414534689
(32) 06.11.2014
(33) United States of America

(51) H04L 12/751
H04L 12/721
H04L 12/46
(11) EP3166260
(21) EP14888905.8
(47) 07.08.2019
(87) CN2014089075
15.10.2015
(22) 21.10.2014
(54) METHOD, DEVICE AND SYSTEM FOR MANAGING TRILL NETWORK USING THREE-LAYER NETWORK MANAGER
(73) ZTE Corporation
(72) WU, Qiang
(31) 201410310539
(32) 01.07.2014
(33) China

(51) H04L 12/755
H04L 12/741
H04L 12/66
H04L 12/931
(11) EP3282649
(21) EP16802609.4
(47) 07.08.2019
(87) CN2016084884
08.12.2016
(22) 06.06.2016
(54) DATA PACKET FORWARDING
(73) New H3C Technologies Co., Ltd.
(72) XIE, Ruitao
AO, Xiangqiao
FEI, Peng
(31) 201510304025
(32) 04.06.2015
(33) China

(51) H04L 12/775
H04L 12/773
H04L 12/713

H04L 12/715
(11) EP2736191
(21) EP12803232.3
(47) 07.08.2019
(87) CN2012076396
27.12.2012
(22) 01.06.2012
(54) VIRTUAL ROUTER SYSTEM AND VIRTUAL ROUTER IMPLEMENTATION METHOD
(73) ZTE Corporation
(72) GU, Zhongyu
(31) 201110174217
(32) 24.06.2011
(33) China

(51) H04L 12/803
H04W 28/08
H04W 88/08
H04W 88/12
(11) EP3139554
(21) EP14891148.0
(47) 07.08.2019
(87) CN2014076843
12.11.2015
(22) 06.05.2014
(54) MULTIFLOW TRANSMISSION METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) ZHANG, Wei
PENG, Chenghui

(51) H04L 12/811
H04L 29/06
(11) EP3061224
(21) EP14790942.8
(47) 07.08.2019
(87) US2014060509
30.04.2015
(22) 14.10.2014
(54) SECURE COMMUNICATIONS USING ADAPTIVE DATA COMPRESSION
(73) Google LLC
(72) ROSKIND, James, Anthony
(31) 201314061688
(32) 23.10.2013
(33) United States of America

(51) H04L 12/835
H04L 12/805
H04W 72/12
H04W 28/02
H04W 28/06
H04L 1/00
H04L 1/18
(11) EP3219163
(21) EP15798618.3
(47) 07.08.2019
(87) US2015059904
19.05.2016
(22) 10.11.2015
(54) METHOD, USER EQUIPMENT AND COMPUTER PROGRAM PRODUCT WITH BUFFER STATUS REPORT FOR EVOLVED DATA COMPRESSION SCHEME
(73) Qualcomm Incorporated
(72) AHMADZADEH, Seyed Ali
BALASUBRAMANIAN, Srinivasan
MAHESHWARI, Shailesh
RAINA, Ashwini
DALMIYA, Vishal
KAPOOR, Rohit
ZACHARIAS, Leena
NGUYEN, Bao, Vinh
(31) 201462080156 P
201562207852 P
201562207768 P
201514936479
(32) 14.11.2014
20.08.2015
20.08.2015
09.11.2015
(33) United States of America
United States of America
United States of America
United States of America

(51) H04L 12/863
(11) EP3091699
(21) EP14876562.1
(47) 07.08.2019
(87) CN2014077915
09.07.2015
(22) 20.05.2014
(54) QUEUE SCHEDULING METHOD AND DEVICE, AND COMPUTER PROGRAM
(73) Sanechips Technology Co., Ltd.
(72) WANG, Bin
(31) 201310750600
(32) 30.12.2013
(33) China

(51) H04L 12/873
H04L 12/869
H04L 12/861
(11) EP2695334
(21) EP12717489.4
(47) 07.08.2019
(87) IB2012051634
11.10.2012
(22) 03.04.2012
(54) PACKET SCHEDULING METHOD AND APPARATUS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LYNCH, Timothy
LAM, Peter
(31) 201113080574
(32) 05.04.2011
(33) United States of America

(51) H04L 12/877
H04L 12/819
(11) EP3014804
(21) EP14816632.5
(47) 07.08.2019
(87) US2014044188
31.12.2014
(22) 25.06.2014
(54) BURST MODE CONTROL
(73) Amazon Technologies, Inc.
(72) XIAO, Wei
SWIFT, Bjorn Patrick
MUNISWAMY-REDDY, Kiran-Kumar
FILIPE, Miguel Mascarenhas
LU, Yijun
MARSHALL, Stuart Henry Seelye
STEFANI, Stefano
HAMILTON, James R.
(31) 201313926686
201313926684
201313926694
201313926697
201313926708
(32) 25.06.2013
25.06.2013
25.06.2013
25.06.2013
25.06.2013
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) H04L 12/927
H04L 29/08
H04W 12/06
H04W 84/12
(11) EP2955950
(21) EP15172190.9
(47) 07.08.2019
(22) 15.06.2015
(54) DOWNLOAD BOOTHS
(73) HAGAN, Chris
(72) HAGAN, Chris
(31) 201410622
201504834
(32) 13.06.2014
23.03.2015
(33) United Kingdom
United Kingdom

(51) H04L 25/02
H04L 7/04
H04L 9/06
H04L 9/32
G01S 5/02
H04J 3/06
(11) EP3255851
(21) EP16173522.0
(47) 07.08.2019
(22) 08.06.2016
(54) PROCESSING MODULE FOR A COMMUNICATION DEVICE AND METHOD THEREFOR
(73) NXP B.V.
(72) BAIER, Thomas
KUCHLER, Wolfgang
LEONG, Frank

(51) H04L 25/03
H04L 27/26
H04L 25/02
(11) EP2693713
(21) EP13173786.8
(47) 07.08.2019
(22) 26.06.2013
(54) Equalization of a distributed pilot OFDM signal
(73) Harris Global Communications, Inc.
(72) Charbonneau, Terrance W.
Johnston, John P.
Reidenbach, Bruce E.
Barnett, Gregory T.
(31) 201213562724
(32) 31.07.2012
(33) United States of America

(51) H04L 27/04
(11) EP2873157
(21) EP13806419.1
(47) 07.08.2019
(87) IB2013001930

27.12.2013
(22) 14.06.2013
(54) MULTI-MODE RECEIVER FOR HIGHLY-SPECTRALLY-EFFICIENT COMMUNICATIONS
(73) Avago Technologies International Sales Pte. Limited
(72) ELIAZ, Amir
(31) 201261662085 P
201261726099 P
201261729774 P
201261747132 P
(32) 20.06.2012
14.11.2012
26.11.2012
28.12.2012
(33) United States of America
United States of America
United States of America
United States of America

(51) H04L 27/20
H04L 5/00
(11) EP3205059
(21) EP15781803.0
(47) 07.08.2019
(87) US2015052423
14.04.2016
(22) 25.09.2015
(54) TONE-PHASE-SHIFT KEYING: A NEW MODULATION SCHEME FOR SC-FDMA
(73) Qualcomm Incorporated
(72) WANG, Xiao feng
LI, Junyi
YU, Zhi-zhong
(31) 201462062132 P
201414572730
(32) 09.10.2014
16.12.2014
(33) United States of America
United States of America

(51) H04L 27/26
H04L 5/00
(11) EP3151497
(21) EP14893609.9
(47) 07.08.2019
(87) CN2014095443
03.12.2015
(22) 29.12.2014
(54) SIGNALLING FIELD OF WIRELESS MIMO COMMUNICATION SYSTEM AND COMMUNICATION METHOD THEREOF
(73) ZTE Wavetone Science And Technology Ltd.
(72) WANG, Haiming
HE, Shiwen
HUANG, Yongming
YU, Guangshi
HONG, Wei
ZHANG, Jun
(31) 201410239319
(32) 30.05.2014
(33) China

(51) H04L 27/26
H04L 5/00
(11) EP3253017
(21) EP17180419.8
(47) 07.08.2019
(22) 01.02.2008
(54) METHOD FOR TRANSMITTING A REFERENCE SIGNAL SEQUENCE USING A ZADOFF-CHU (ZC) SEQUENCE AND A TRANSMITTING PARTY DEVICE FOR TRANSMITTING SAID REFERENCE SIGNAL SEQUENCE
(73) LG Electronics Inc.
(72) HAN, Seung Hee
NOH, Min Seok
KWON, Yeong Hyeon
LEE, Hyun Woo
KIM, Dong Cheol
KWAK, Jin Sam
(31) 888065 P
20070047494
20070099707
20070108226
20070109089
984386 P
19588 P
(32) 02.02.2007
16.05.2007
04.10.2007
26.10.2007
29.10.2007
01.11.2007
07.01.2008
(33) United States of America
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
United States of America
United States of America

(51) H04L 27/26
H04L 25/03
(11) EP3041182
(21) EP13893795.8
(47) 07.08.2019
(87) CN2013084032
26.03.2015
(22) 23.09.2013
(54) METHOD FOR SENDING/RECEIVING SIGNAL, CORRESPONDING DEVICE AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) LI, Liangchuan
LIU, Ling

(51) H04L 27/36
H03M 13/25
(11) EP2509271
(21) EP10834569.5
(47) 07.08.2019
(87) JP2010071480
09.06.2011
(22) 01.12.2010
(54) DATA TRANSMISSION METHOD, DATA RECEPTION METHOD, DATA MODULATION DEVICE, DATA DEMODULATION DEVICE
(73) NEC Corporation
(72) KAMIYA Norifumi
SASAKI Eisaku
(31) 2009273461
(32) 01.12.2009
(33) Japan

(51) H04L 29/02
H04B 5/00
H01Q 3/24
H04W 8/00
H04W 16/28
H04W 40/00
H04W 40/20
H04W 64/00
(11) EP3231148
(21) EP15890126.4
(47) 07.08.2019
(87) US2015027581
27.10.2016
(22) 24.04.2015
(54) ROUTING SIGNALS BASED ON AN ORIENTATION OF DEVICES WITH RESPECT TO EACH OTHER
(73) Hewlett-Packard Development Company, L.P.
(72) CASTELL, Robin T

(51) H04L 29/06
(11) EP3014837
(21) EP14733144.1
(47) 07.08.2019
(87) EP2014063188
31.12.2014
(22) 23.06.2014
(54) A COMPUTER IMPLEMENTED METHOD TO IMPROVE SECURITY IN AUTHENTICATION/AUTHORIZATION SYSTEMS AND COMPUTER PROGRAM PRODUCTS THEREOF
(73) Telefonica Digital España, S.L.U.
(72) ALONSO CEBRIÁN, José María
BARROSO BERRUETA, David
PALAZÓN ROMERO, José María
GUZMÁN SACRISTÁN, Antonio
(31) 13382237
13382396
13382397
13382398
(32) 24.06.2013
09.10.2013
09.10.2013
09.10.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) H04L 29/06
(11) EP3014836
(21) EP14732197.0
(47) 07.08.2019
(87) EP2014063189
31.12.2014
(22) 23.06.2014
(54) METHOD, COMMUNICATION SYSTEM AND COMPUTER PROGRAM PRODUCT FOR BIOMETRIC AUTHENTICATION AND AUTHORIZATION
(73) Telefonica Digital España, S.L.U.
(72) PALAZÓN ROMERO, José Maria
GUZMÁN SACRISTÁN, Antonio
BARROSO BERRUETA, David
ALONSO CEBRIÁN, José María
KACHAKIL DIB, Daniel
(31) 13382237
13382396
13382397
13382398

(32) 24.06.2013
09.10.2013
09.10.2013
09.10.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) H04L 29/06
(11) EP3216188
(21) EP15794429.9
(47) 07.08.2019
(87) US2015058707
12.05.2016
(22) 03.11.2015
(54) ROAMING CONTENT WIPE ACTIONS ACROSS DEVICES
(73) Microsoft Technology Licensing, LLC
(72) MEHTA, Yogesh A.
URECHE, Octavian T.
ADAM, Preston Derek
ACHARYA, Narendra S.
(31) 201414533921
(32) 05.11.2014
(33) United States of America

(51) H04L 29/06
(11) EP3240255
(21) EP16204745.0
(47) 07.08.2019
(22) 16.12.2016
(54) HARDWARE PROTOCOL STACK FOR PROPRIETARY PROTOCOLS
(73) LSIS Co., Ltd.
(72) LEE, Soo-Gang
YOON, Geon
(31) 20160051141
(32) 26.04.2016
(33) Korea (Republic)

(51) H04L 29/06
G06F 21/43
G06F 21/62
H04W 12/06
H04W 12/12
(11) EP3012997
(21) EP14814359.7
(47) 07.08.2019
(87) KR2014005271
24.12.2014
(22) 16.06.2014
(54) METHOD AND SYSTEM FOR PREVENTING INFORMATION LEAKAGE BASED ON TELEPHONE AUTHENTICATION
(73) Thinkat Co., Ltd.
(72) JANG, Wha Cheol
PARK, Je Kee
KO, Gwang Ho
(31) 20130069087
(32) 17.06.2013
(33) Korea (Republic)

(51) H04L 29/06
G06F 21/53
G06F 21/79
G06F 12/14
G06F 15/173
(11) EP2104892
(21) EP08702651.4
(47) 07.08.2019
(87) IL2008000070
24.07.2008
(22) 16.01.2008
(54) SECURE ARCHIVE
(73) Waterfall Security Solutions Ltd.
(72) FRENKEL, Lior
ZILBERSTEIN, Amir
(31) 18074807
(32) 16.01.2007
(33) Israel

(51) H04L 29/06
H04L 9/00
(11) EP1472813
(21) EP03708905.9
(47) 07.08.2019
(87) US2003002783
07.08.2003
(22) 29.01.2003
(54) SINGLE SIGN-ON OVER THE INTERNET USING PUBLIC-KEY CRYPTOGRAPHY
(73) Oracle International Corporation
(72) STANKO, Joseph, A.
(31) 59460
(32) 29.01.2002
(33) United States of America

(51) H04L 29/06
H04L 9/32
(11) EP2499778
(21) EP10830474.2
(47) 07.08.2019
(87) US2010054573
19.05.2011
(22) 28.10.2010
(54) IP SECURITY CERTIFICATE EXCHANGE BASED ON CERTIFICATE ATTRIBUTES
(73) Microsoft Technology Licensing, LLC
(72) PANASYUK, Anatoliy
RANGEGOWDA, Dharshan
SHUKLA, Abhishek
(31) 616789
(32) 12.11.2009
(33) United States of America

(51) H04L 29/06
H04L 9/32
H04L 29/12
(11) EP3267653
(21) EP17184037.4
(47) 07.08.2019
(22) 03.02.2007
(54) TECHNIQUES FOR AUTHENTICATING A SUBSCRIBER FOR AN ACCESS NETWORK USING DHCP
(73) Cisco Technology, Inc.
(72) TOWNSLEY, William Mark
DROMS, Ralph
DEC, Wojciech
(31) 362296
(32) 24.02.2006
(33) United States of America

(51) H04L 29/06
H04L 12/22
G06F 21/55
H04L 29/08
(11) EP3254429
(21) EP15881412.9
(47) 07.08.2019
(87) US2015067887
11.08.2016
(22) 29.12.2015
(54) TECHNOLOGIES FOR SCALABLE SECURITY ARCHITECTURE OF VIRTUALIZED NETWORKS
(73) Intel Corporation
(72) SOOD, Kapil
YOUNG, Valerie J.
VENKATACHALAM, Muthaiah
NEDBAL, Manuel
(31) 201562112151 P
201514709168
(32) 04.02.2015
11.05.2015
(33) United States of America
United States of America

(51) H04L 29/06
H04L 12/26
(11) EP2953318
(21) EP15170589.4
(47) 07.08.2019
(22) 03.06.2015
(54) BANDWIDTH EFFICIENT PROCESSING AND FILTERING ACROSS DISTRIBUTED DATABASES
(73) Tektronix Inc.
(72) Ivershen, Aleksey G.
Rupanagudi, Sai Kiran
(31) 201414296229
(32) 04.06.2014
(33) United States of America

(51) H04L 29/06
H04L 12/26
H04L 29/08
(11) EP3275150
(21) EP15903182.2
(47) 07.08.2019
(87) US2015047497
09.03.2017
(22) 28.08.2015
(54) EXTRACTED DATA CLASSIFICATION TO DETERMINE IF A DNS PACKET IS MALICIOUS
(73) Hewlett Packard Enterprise Development LP
(72) MANADHATA, Pratyusa K

(51) H04L 29/06
H04L 29/08
G06F 21/62
(11) EP3014847
(21) EP14747435.7
(47) 07.08.2019
(87) US2014044597
08.01.2015
(22) 27.06.2014
(54) SECURE HYBRID FILE-SHARING SYSTEM
(73) Citrix Systems Inc.
(72) MALDANER, Juliano
(31) 201313931987
(32) 30.06.2013
(33) United States of America

(51) H04L 29/06
H04L 29/08
H04L 12/807
(11) EP3011720
(21) EP14742622.5
(47) 07.08.2019
(87) US2014043284
24.12.2014

(22) 19.06.2014
(54) TRANSPORTING SERIALLY OVER TCP/IP USING RAW TCP ENCAPSULATION
(73) Cisco Technology, Inc.
(72) MAHAMUNI, Atul, B.
BARRETT, Carol
(31) 201313921619
(32) 19.06.2013
(33) United States of America

(51) H04L 29/06
H04L 29/08
H04N 21/2343
H04N 21/262
H04N 21/845
H04N 21/854
(11) EP3105903
(21) EP15705268.9
(47) 07.08.2019
(87) EP2015052950
20.08.2015
(22) 12.02.2015
(54) REQUESTING MULTIPLE CHUNKS FROM A NETWORK NODE ON THE BASIS OF A SINGLE REQUEST MESSAGE
(73) Koninklijke KPN N.V.
IMEC vzw
Universiteit Gent
(72) FAMAEY, Jeroen
(31) 14155014
14173839
(32) 13.02.2014
25.06.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) H04L 29/06
H04L 29/12
H04L 12/743
H04L 12/741
(11) EP3070902
(21) EP16156779.7
(47) 07.08.2019
(22) 22.02.2016
(54) MITIGATING NEIGHBOR DISCOVERY-BASED DENIAL OF SERVICE ATTACKS
(73) Cisco Technology, Inc.
(72) THUBERT, Pascal
LEVY-ABEGNOLI, Eric
WETTERWALD, Patrick
(31) 201514658623
(32) 16.03.2015
(33) United States of America

(51) H04L 29/06
H04M 3/56
H04M 3/58
H04L 12/18
(11) EP2738999
(21) EP12858454.7
(47) 07.08.2019
(87) CN2012076744
20.06.2013
(22) 12.06.2012
(54) METHOD AND DEVICE FOR REALIZING A SEAMLESS SWITCH FROM A TWO-PARTY CALL TO A CONFERENCE
(73) Huawei Technologies Co., Ltd.
(72) TANG, Longhai
(31) 201110424270
(32) 16.12.2011
(33) China

(51) H04L 29/06
H04N 21/234
H04N 21/2385
H04N 21/2662
H04N 21/647
(11) EP3219076
(21) EP15801026.4
(47) 07.08.2019
(87) US2015059651
19.05.2016
(22) 09.11.2015
(54) ADAPTIVE BIT RATE SYSTEM ARCHITECTURES USING NAMED DOMAIN NETWORKING
(73) Cisco Technology, Inc.
(72) ORAN, Dave
(31) 201414538691
(32) 11.11.2014
(33) United States of America

(51) H04L 29/06
H04N 21/24
H04N 21/234
H04N 1/00
(11) EP3313043
(21) EP17196620.3
(47) 07.08.2019
(22) 16.10.2017
(54) SYSTEM AND METHOD FOR DETERMINING QUALITY OF A MEDIA STREAM
(73) Sandvine Incorporated ULC
(72) SPILKA, Keir Nikolai
MAY, Darrell Reginald
(31) 201662410058 P
(32) 19.10.2016
(33) United States of America

(51) H04L 29/06
H04W 4/10
H04W 76/00
(11) EP3314849
(21) EP16745254.9
(47) 07.08.2019
(87) US2016039857
05.01.2017
(22) 28.06.2016
(54) MERGING ACTIVE GROUP CALLS
(73) BlackBerry Limited
(72) ALLEN, Andrew Michael
BUCKLEY, Adrian
(31) 201514754218
(32) 29.06.2015
(33) United States of America

(51) H04L 29/06
H04W 4/10
H04W 76/00
(11) EP3314848
(21) EP16745253.1
(47) 07.08.2019
(87) US2016039852
05.01.2017
(22) 28.06.2016
(54) MERGING ACTIVE GROUP CALLS
(73) BlackBerry Limited
(72) ALLEN, Andrew, Michael
BUCKLEY, Adrian
(31) 201514754023
(32) 29.06.2015
(33) United States of America

(51) H04L 29/06
H04W 4/50
H04W 4/60
H04W 8/20
H04W 12/08
(11) EP2773077
(21) EP13290040.8
(47) 07.08.2019
(22) 28.02.2013
(54) Notification mechanism
(73) IDEMIA France
(72) Dumoulin Jérôme
Muresianu, Philippe

(51) H04L 29/06
H04W 12/04
(11) EP2961128
(21) EP15170533.2
(47) 07.08.2019
(22) 03.06.2015
(54) METHOD, SYSTEM, COMPUTER PROGRAM AND COMPUTER PROGRAM PRODUCT FOR BINDING A TOKEN KEY TO AN ACCOUNT
(73) Xiaomi Inc.
(72) Zhang, Jun
Li, Shen
Wu, Tingbin
(31) 201410299506
(32) 26.06.2014
(33) China

(51) H04L 29/06
H04W 12/04
H04W 4/80
(11) EP2817939
(21) EP13710651.4
(47) 07.08.2019
(87) US2013027433
29.08.2013
(22) 22.02.2013
(54) INFORMATION SHARING USING TOKEN RECEIVED USING VISUAL TAG
(73) Wyse Technology L.L.C.
(72) DOSS, Stephen, Scott
COOK, Richard, Graham
BARRETO, Daniel, Ernesto
(31) 201213405223
201213405220
201213405222
201213405224
(32) 24.02.2012
24.02.2012
24.02.2012
24.02.2012
(33) United States of America
United States of America
United States of America
United States of America

(51) H04L 29/06
H04W 12/06
(11) EP3171573
(21) EP17151065.4
(47) 07.08.2019
(22) 30.08.2013
(54) INTERNETWORK AUTHENTICATION
(73) Aerohive Networks, Inc.
(72) Sakura, Kenshin

Gast, Matthew Stuart
Fu, Long
(31) 201261695282 P
201314014247
(32) 30.08.2012
29.08.2013
(33) United States of America
United States of America

(51) H04L 29/06
H04W 12/06
H04W 4/029
H04W 8/18
H04L 29/08
(11) EP3011714
(21) EP14731549.3
(47) 07.08.2019
(87) EP2014001589
24.12.2014
(22) 11.06.2014
(54) OPERATION OF A SECURITY ELEMENT WITH THE SET OF OPERATING PARAMETERS MATCHED TO THE SELECTED USE PROFILE
(73) Giesecke+Devrient Mobile Security GmbH
(72) WIMBÖCK, Ulrich
(31) 102013010261
(32) 18.06.2013
(33) Germany

(51) H04L 29/06
H04W 12/08
(11) EP2036299
(21) EP07798746.9
(47) 07.08.2019
(87) US2007071548
27.12.2007
(22) 19.06.2007
(54) ADVANCED ACCESS CONTROL FOR MEDICAL AD HOC BODY SENSOR NETWORKS
(73) Philips Intellectual Property & Standards GmbH
Koninklijke Philips N.V.
(72) SANCHEZ, David S.
BALDUS, Heribert
GARCIA, Oscar
(31) 805491 P
(32) 22.06.2006
(33) United States of America

(51) H04L 29/06
H04W 12/08
H04L 29/08
(11) EP2843900
(21) EP14181019.2
(47) 07.08.2019
(22) 14.08.2014
(54) System and method for trusted mobile communications
(73) The Boeing Company
(72) Ayyagari, Arun
Blair, Richard N.
Houston-III, Lester Leroy
Martens, Eric J.
Bush, John E.
Kimberly, Greg A.
Lane, Kristine K.
Corman, David E.
(31) 201313975936
(32) 26.08.2013
(33) United States of America

(51) H04L 29/06
H04W 12/10
H04W 8/24
(11) EP2727308
(21) EP12727377.9
(47) 07.08.2019
(87) EP2012061318
10.01.2013
(22) 14.06.2012
(54) AUTHENTICATION OF WARNING MESSAGES IN A NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) WIFVESSON, Monica
LILJENSTAM, Michael
MATTSSON, John
NORRMAN, Karl
(31) 201161503806 P
(32) 01.07.2011
(33) United States of America

(51) H04L 29/06
H04W 76/00
H04L 29/08
(11) EP3226505
(21) EP15865634.8
(47) 07.08.2019
(87) CN2015094302
09.06.2016
(22) 11.11.2015
(54) PUSH SERVICE IMPLEMENTATION METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) XU, Yanan
(31) 201410717864
(32) 01.12.2014
(33) China

(51) H04L 29/08
(11) EP2087705
(21) EP07802959.2
(47) 07.08.2019
(87) EP2007058942
20.03.2008
(22) 28.08.2007
(54) FILE REPAIR METHOD FOR A CONTENT DISTRIBUTION SYSTEM
(73) InterDigital CE Patent Holdings
(72) GAUTIER, Eric
HOUDAILLE, Rémi
LUBBERS, Willem
(31) 06291464
(32) 15.09.2006
(33) European Patent Office (EPO)

(51) H04L 29/08
(11) EP1751997
(21) EP05747447.0
(47) 07.08.2019
(87) US2005016605
01.12.2005
(22) 12.05.2005
(54) LOCATION-BASED SOCIAL SOFTWARE FOR MOBILE DEVICES
(73) Google LLC
(72) CROWLEY, Dennis, P.
RAINERT, Alexander, M.
(31) 570410 P
(32) 12.05.2004
(33) United States of America

(51) H04L 29/08
G06F 3/0486
(11) EP2033107
(21) EP07750533.7
(47) 07.08.2019
(87) US2007003702
13.12.2007
(22) 13.02.2007
(54) DRAGGING AND DROPPING OBJECTS BETWEEN LOCAL AND REMOTE MODULES
(73) Microsoft Technology Licensing, LLC
(72) SAUL, Elton
CARTER-SCHWENDLER, Carl, M.
ABDO, Nadim, Y.
(31) 423400
(32) 09.06.2006
(33) United States of America

(51) H04L 29/08
H04B 1/7156
H04W 72/12
H04W 4/70
H04W 84/18
(11) EP3011787
(21) EP14741711.7
(47) 07.08.2019
(87) US2014043290
24.12.2014
(22) 19.06.2014
(54) OVERLAYING RECEIVE SCHEDULES FOR ENERGY-CONSTRAINED DEVICES IN CHANNEL-HOPPING NETWORKS
(73) Cisco Technology, Inc.
(72) HUI, Jonathan W.
HONG, Wei
VASSEUR, Jean-Philippe
(31) 201313921680
(32) 19.06.2013
(33) United States of America

(51) H04L 29/08
H04B 11/00
H04W 8/00
H04W 76/10
G08C 23/02
H04R 1/04
G10K 11/178
(11) EP3319300
(21) EP17198710.0
(47) 07.08.2019
(22) 26.10.2017
(54) ELECTRONIC APPARATUS AND CONTROLLING METHOD THEREOF
(73) Samsung Electronics Co., Ltd.
(72) SHIM, Seung-seop
(31) 20160148392
(32) 08.11.2016
(33) Korea (Republic)

(51) H04L 29/08
H04L 12/24
(11) EP1861989
(21) EP07726714.4
(47) 07.08.2019
(87) EP2007052185
13.09.2007
(22) 08.03.2007
(54) METHOD AND CONFIGURATION/ SOFTWARE UPDATE SERVER FOR

TRANSMITTING DATA BETWEEN A CUSTOMER DEVICE AND THE SERVER
(73) Gigaset Communications GmbH
(72) BAMBACH, Marco
KRUK, Anton
STAHL, Jürgen
(31) 06004745
(32) 08.03.2006
(33) European Patent Office (EPO)

(51) H04L 29/08
H04L 12/24
H04L 12/58
(11) EP3110108
(21) EP16173398.5
(47) 07.08.2019
(22) 07.06.2016
(54) TRANSPORT STACK NAME SCHEME AND IDENTITY MANAGEMENT
(73) Cisco Technology, Inc.
(72) WOOD, Christopher A.
SCOTT, Glenn C.
(31) 201514746490
(32) 22.06.2015
(33) United States of America

(51) H04L 29/08
H04L 29/06
(11) EP2887620
(21) EP13306803.1
(47) 07.08.2019
(22) 20.12.2013
(54) Session Initiation Protocol Messaging
(73) Alcatel Lucent
(72) Van Bemmel, Jeroen

(51) H04L 29/08
H04L 29/06
H04L 12/28
H04W 12/06
H04W 12/02
H04W 12/04
(11) EP3281388
(21) EP16729158.2
(47) 07.08.2019
(87) US2016035208
08.12.2016
(22) 01.06.2016
(54) RELAY SERVICE FOR COMMUNICATION BETWEEN CONTROLLERS AND ACCESSORIES
(73) Apple Inc.
(72) NADATHUR, Anush
THIRUMALAI, Gokul
MCLAUGHLIN, Kevin
LUCAS, Matthew
BURKS, Andrew
(31) 201562171995 P
201615064406
(32) 05.06.2015
08.03.2016
(33) United States of America
United States of America

(51) H04L 29/08
H04L 29/06
H04L 27/26
H04W 74/08
H04L 1/00
H04W 28/06
H04W 80/02
H04W 84/12
(11) EP3167595
(21) EP15738144.3
(47) 07.08.2019
(87) JP2015002922
14.01.2016
(22) 11.06.2015
(54) ELECTRONIC DEVICE AND METHOD
(73) Sony Corporation
(72) ITAGAKI, Takeshi
YAMAURA, Tomoya
SAKODA, Kazuyuki
SATO, Masanori
(31) 2014142949
2015002477
(32) 11.07.2014
08.01.2015
(33) Japan
Japan

(51) H04L 29/08
H04L 29/06
H04L 29/12
(11) EP2979435
(21) EP14719200.9
(47) 07.08.2019
(87) FR2014050704
02.10.2014
(22) 26.03.2014
(54) METHOD FOR PROCESSING DATA OF A SOCIAL NETWORK USER
(73) Orange
(72) PUHARRE, Michel
PEREZ, Carlos
(31) 1352947
(32) 29.03.2013
(33) France

(51) H04L 29/08
H04L 29/06
H04N 1/00
H04L 29/12
H04N 1/327
(11) EP2469801
(21) EP11194355.1
(47) 07.08.2019
(22) 19.12.2011
(54) COMMUNICATION DEVICE
(73) Brother Kogyo Kabushiki Kaisha
(72) Yanagi, Satoru
(31) 2010286428
(32) 22.12.2010
(33) Japan

(51) H04L 29/08
H04L 29/12
H04L 12/24
(11) EP2071800
(21) EP08171288.7
(47) 07.08.2019
(22) 11.12.2008
(54) Method for creating local connections between electronic end devices
(73) Vodafone GmbH
(72) Reiss, Christoph
Düsener, Mark
Hertle, Jochen
Dr. Gutschleg, Dirk
(31) 102007060095
(32) 14.12.2007
(33) Germany

(51) H04L 29/08
H04N 7/16
H04N 21/254
H04N 21/258
H04N 21/41
H04N 21/485
H04N 21/6547
H04N 21/658
G06F 3/0488
(11) EP2035975
(21) EP07835885.0
(47) 07.08.2019
(87) US2007014809
03.01.2008
(22) 26.06.2007
(54) CONFIGURABLE CONTROLLING DEVICE AND ASSOCIATED CONFIGURATION UPLOAD AND DOWNLOAD SYSTEM AND METHOD
(73) Universal Electronics, Inc.
(72) CHAMBERS, Christopher, A.
YUH, Han-Sheng
(31) 479547
(32) 30.06.2006
(33) United States of America

(51) H04L 29/08
H04W 4/02
(11) EP2961135
(21) EP15001795.2
(47) 07.08.2019
(22) 17.06.2015
(54) METHOD AND SYSTEM FOR OBTAINING DISTANCED AUDIO BY A PORTABLE DEVICE
(73) Deutsche Telekom AG
(72) Chizi, Barak
Shapira, Bracha
Mimran, David (Dudu)
(31) 23327514
(32) 19.06.2014
(33) Israel

(51) H04L 29/08
H04W 4/38
H04W 4/00
H04L 12/26
G06F 11/30
(11) EP2882166
(21) EP14197022.8
(47) 07.08.2019
(22) 09.12.2014
(54) Terminal device, system, and method for processing sensor data stream
(73) Samsung Electronics Co., Ltd
(72) YEO, Hae-dong
(31) 20130152650
(32) 09.12.2013
(33) Korea (Republic)

(51) H04L 29/08
H04W 28/06
H04W 92/14
(11) EP3402159
(21) EP16890156.9
(47) 07.08.2019
(87) CN2016073871
24.08.2017
(22) 16.02.2016
(54) COMMUNICATION METHOD, APPARATUS AND SYSTEM BASED ON

STREAM CONTROL TRANSMISSION PROTOCOL (SCTP)
(73) Huawei Technologies Co., Ltd.
(72) LI, Yan
QIAO, Xiaoqiang

(51) H04L 29/08
H04W 40/24
(11) EP2586219
(21) EP11797441.0
(47) 07.08.2019
(87) CA2011050378
29.12.2011
(22) 22.06.2011
(54) INFORMATION SELECTION IN A WIRELESS COMMUNICATION SYSTEM
(73) BlackBerry Limited
(72) GAGE, William, Anthony
(31) 820710
(32) 22.06.2010
(33) United States of America

(51) H04L 29/12
G06F 21/10
(11) EP3148165
(21) EP16189939.8
(47) 07.08.2019
(22) 21.09.2016
(54) CONTROLLING ACCESS TO NETWORK RESOURCES
(73) Instart Logic Inc.
(72) RESHADI, Mohammad H
GAUNKER, Rajaram
KOLAM, Hariharan
VENKAT, Raghu Batta
(31) 201562222116 P
201662279468 P
(32) 22.09.2015
15.01.2016
(33) United States of America
United States of America

(51) H04L 29/12
H04L 29/08
G01D 4/00
(11) EP2324326
(21) EP09778369.0
(47) 07.08.2019
(87) EP2009006475
18.03.2010
(22) 07.09.2009
(54) METHOD AND DISTRIBUTED SYSTEM FOR DETECTING AND MANAGING DATA FROM A PLURALITY OF MEASURING DEVICES
(73) Deutsche Telekom AG
(72) BAUERFELD, Wulfdieter
SCHÖNEBECK, Heiko-Armin
(31) 102008046450
(32) 09.09.2008
(33) Germany

(51) H04M 1/18
H05K 5/06
G06F 1/16
H04M 1/02
(11) EP3404904
(21) EP18182244.6
(47) 07.08.2019
(22) 29.09.2016
(54) ELECTRONIC DEVICE INCLUDING WATERPROOF STRUCTURE
(73) Samsung Electronics Co., Ltd.
(72) CHOI, Jong-Min
KIM, Woong-Chan
PARK, Daehyeong
CHO, Sung-Gun
CHO, Sung-Joo
CHOI, Young-Sik
KIM, Kwang-Hwan
YANG, Soonwoong
LEE, Min-Sung
LEE, Seungjoon
CHANG, Yuchul
(31) 201562236504 P
20150184750
20160090761
(32) 02.10.2015
23.12.2015
18.07.2016
(33) United States of America
Korea (Republic)
Korea (Republic)

(51) H04M 1/253
H04M 1/2745
(11) EP2769532
(21) EP12778706.7
(47) 07.08.2019
(87) EP2012070753
25.04.2013
(22) 19.10.2012
(54) METHOD FOR ESTABLISHING A COMMUNICATION LINK AND A TELECOMMUNICATION TERMINAL FOR EXECUTING SAID METHOD
(73) Gigaset Communications GmbH
(72) ORD, Nicholas
KAMPERSCHROER, Erich
(31) 102011054625
(32) 19.10.2011
(33) Germany

(51) H04M 1/60
(11) EP3048780
(21) EP16151223.1
(47) 07.08.2019
(22) 14.01.2016
(54) WIRELESS CALL SECURITY
(73) Harman International Industries, Inc.
(72) BELUR, Srinivasa
(31) 201514604535
(32) 23.01.2015
(33) United States of America

(51) H04M 1/60
B60R 11/02
(11) EP2543177
(21) EP11708154.7
(47) 07.08.2019
(87) US2011026609
09.09.2011
(22) 01.03.2011
(54) METHOD FOR USING A COMMUNICATION SYSTEM CONNECTED TO A PLURALITY OF MOBILE DEVICES AND PRIORITIZING THE MOBILE DEVICES, COMMUNICATION SYSTEM, AND USE THEREOF
(73) Visteon Global Technologies, Inc.
(72) ANDERSON, Elisabet, A.
ZEINSTRA, Mark
SIMS, Michael, J.
(31) 718064
(32) 05.03.2010
(33) United States of America

(51) H04M 1/60
H04M 1/62
H04M 1/247
(11) EP3440825
(21) EP16823388.0
(47) 07.08.2019
(87) US2016065850
12.10.2017
(22) 09.12.2016
(54) SPEAKERPHONE CONFIGURATION FOR CONFERENCING
(73) Google LLC
(72) HOUTCHENS, Steven
HAUER, Goran
LILJEDAHL, Johanna
BODIN, Daniel
(31) 201662320153 P
201615370148
(32) 08.04.2016
06.12.2016
(33) United States of America
United States of America

(51) H04M 1/725
(11) EP3155794
(21) EP15728467.0
(47) 07.08.2019
(87) EP2015062312
17.12.2015
(22) 03.06.2015
(54) SIGNALING SYSTEM FOR USER DEVICE
(73) Koninklijke Philips N.V.
(72) BRON, Andries
YPENBURG, Renger
(31) 14172140
(32) 12.06.2014
(33) European Patent Office (EPO)

(51) H04M 1/725
G06F 1/16
H04N 21/414
H04N 21/41
H04L 12/28
H04N 21/47
H04N 21/436
(11) EP3138269
(21) EP15713790.2
(47) 07.08.2019
(87) EP2015057549
05.11.2015
(22) 08.04.2015
(54) WIRELESS COMMUNICATION SYSTEM.
(73) Koninklijke Philips N.V.
(72) DEES, Walter
(31) 14166179
(32) 28.04.2014
(33) European Patent Office (EPO)

(51) H04M 1/725
G06F 3/16
G06F 3/0481
G06F 3/0484
(11) EP2996317
(21) EP15184430.5
(47) 07.08.2019
(22) 09.09.2015

(54) METHOD FOR PROVIDING SPECIALIZED MODE ACCORDING TO DATE AND ELECTRONIC DEVICE SUPPORTING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) LEE, Bona
NAN, Meihua
CHOI, Yoonjeong
KANG, Hyejin
LIM, Donghoe
(31) 20140120993
(32) 12.09.2014
(33) Korea (Republic)

(51) H04M 1/725
G06F 9/445
(11) EP2398213
(21) EP10166285.6
(47) 07.08.2019
(22) 17.06.2010
(54) Wireless device swap
(73) BlackBerry Limited
(72) Gisby, Douglas Michael

(51) H04M 1/725
H04L 29/08
G06F 3/0482
G06F 9/451
(11) EP2538640
(21) EP11742148.7
(47) 07.08.2019
(87) JP2011052072
18.08.2011
(22) 26.01.2011
(54) PORTABLE TERMINAL DEVICE, OPERATION PROCEDURE COMMUNICATION SYSTEM, AND OPERATION COMMUNICATION METHOD
(73) NEC Corporation
(72) FURUYA, Tomoki
(31) 2010029751
(32) 15.02.2010
(33) Japan

(51) H04M 3/22
H04M 3/42
H04M 3/493
(11) EP3264733
(21) EP16176994.8
(47) 07.08.2019
(22) 29.06.2016
(54) METHOD OF PROVIDING A RECENT EVENT LIST, SOFTWARE PRODUCT, TELECOMMUNICATIONS DEVICE AND SYSTEM
(73) Unify Patente GmbH & Co. KG
(72) Giatilis, Vasileios

(51) H04M 3/42
H04M 1/656
H04M 3/22
(11) EP3055984
(21) EP14786555.4
(47) 07.08.2019
(87) US2014057995
16.04.2015
(22) 29.09.2014
(54) CONFIGURABLE CALL RECORDING POLICY
(73) Cisco Technology, Inc.
(72) PEARCE, Christopher
LI, Shipeng
GARY, George
(31) 201314048937
(32) 08.10.2013
(33) United States of America

(51) H04M 11/02
H04N 7/18
(11) EP3355562
(21) EP18153293.8
(47) 07.08.2019
(22) 24.01.2018
(54) CALL FORWARDING DEVICE VIA INTERNET FOR DOOR PHONE AND VIDEO DOOR PHONE APPARATUSES
(73) Urmet S.P.A.
(72) MINARELLI, Giorgio
(31) 201700007652
(32) 25.01.2017
(33) Italy

(51) H04M 15/00
H04W 4/02
H04W 4/029
H04W 64/00
G01S 5/02
(11) EP3014904
(21) EP14816613.5
(47) 07.08.2019
(87) US2014041934
31.12.2014
(22) 11.06.2014
(54) CATEGORIZED LOCATION IDENTIFICATION BASED ON HISTORICAL LOCATIONS OF A USER DEVICE
(73) T-Mobile USA, Inc.
(72) SCHULER, Seth H.
ZHAO, Linda
KONG, Xianglong
GOO, Michael J.
GIARD, Jeffrey M.
(31) 201313931602
(32) 28.06.2013
(33) United States of America

(51) H04M 15/00
H04W 4/24
H04L 12/14
H04L 12/58
H04W 4/06
H04W 4/12
(11) EP3059934
(21) EP16153806.1
(47) 07.08.2019
(22) 02.02.2016
(54) GROUP MESSAGING SYSTEM AND METHOD
(73) Vodafone IP Licensing Limited
(72) CARTER, Philip
GALLEGO GOMEZ, Oscar
NOWICKI, Jakub
(31) 201502815
(32) 19.02.2015
(33) United Kingdom

(51) H04N 1/00
(11) EP2728847
(21) EP13190327.0
(47) 07.08.2019
(22) 25.10.2013
(54) Operation device, image forming apparatus, operation method, program, and storage medium
(73) Kyocera Document Solutions Inc.
(72) Ogawa, Tomohiro
(31) 2012240086
(32) 31.10.2012
(33) Japan

(51) H04N 1/00
G03G 15/00
(11) EP2309713
(21) EP10176437.1
(47) 07.08.2019
(22) 13.09.2010
(54) Operating Device usable with Image Forming Apparatus and Image Forming Apparatus having the same
(73) HP Printing Korea Co., Ltd.
(72) Mok, Young Jae
Park, Kwang Hyok
(31) 20090094900
(32) 07.10.2009
(33) Korea (Republic)

(51) H04N 1/00
H04N 1/10
(11) EP2785035
(21) EP14155192.9
(47) 07.08.2019
(22) 14.02.2014
(54) Method and apparatus for performing function according to position of scan object
(73) HP Printing Korea Co., Ltd.
(72) Choi, Chi-ho
Park, Young-kook
(31) 20130031703
(32) 25.03.2013
(33) Korea (Republic)

(51) H04N 1/028
G03B 27/54
G03G 15/043
H04N 1/40
(11) EP2536121
(21) EP12004456.5
(47) 07.08.2019
(22) 13.06.2012
(54) Illuminating apparatus, image reading apparatus, and image forming apparatus
(73) Sharp Kabushiki Kaisha
(72) Horiuchi, Takao
(31) 2011133967
(32) 16.06.2011
(33) Japan

(51) H04N 1/32
(11) EP3310032
(21) EP17193980.4
(47) 07.08.2019
(22) 29.09.2017
(54) DEVICE AND METHOD FOR REPRODUCING GUIDANCE, AND COMPUTER PROGRAM
(73) Konica Minolta, Inc.
(72) KOMABA, Kenichi
TOMITA, Atsushi
SUGIURA, Hiroshi
SUGIMOTO, Hiroaki
OKADA, Tatsunori
OTA, Akito
SONODA, Yu

(31) 2016201011
(32) 12.10.2016
(33) Japan

(51) H04N 1/46
G06F 3/0488
G06F 9/44
(11) EP2713602
(21) EP13185778.1
(47) 07.08.2019
(22) 24.09.2013
(54) Display / input device, image forming apparatus therewith, and method of controlling a display / input device
(73) Kyocera Document Solutions Inc.
(72) Nakagawa, Hiroshi
(31) 2012212832
2013155847
(32) 26.09.2012
26.07.2013
(33) Japan
Japan

(51) H04N 1/62
G06T 11/00
H04N 9/64
(11) EP2509047
(21) EP11189134.7
(47) 07.08.2019
(22) 15.11.2011
(54) Colour conversion apparatus and method thereof
(73) HP Printing Korea Co., Ltd.
(72) Kim, Kyeong-man
Kim, Hyun-cheol
Park, In-ho
Shin, Jae-min
Cho, Heui-keun
Ha, Yeong-ho
Kim, Dae-chul
Kyung, Wang-jun
(31) 20110032981
(32) 09.04.2011
(33) Korea (Republic)

(51) H04N 5/222
H04N 5/275
G06T 1/00
G06T 5/50
H04N 1/00
(11) EP3039853
(21) EP13753436.8
(47) 07.08.2019
(87) EP2013067873
05.03.2015
(22) 29.08.2013
(54) A METHOD AND AN APPARATUS FOR OBTAINING AN IMAGE FILE INCLUDING AN ALPHA CHANNEL WITH A PHOTOGRAPHIC CAMERA
(73) Retails Design & Experts GmbH
(72) ROJAHN, Anna
ACHINGER, Till
FABRITIUS, Gregor

(51) H04N 5/225
B60R 11/04
(11) EP2887638
(21) EP14196289.4
(47) 07.08.2019
(22) 04.12.2014
(54) Camera for a vehicle, in particular a commercial vehicle
(73) MEKRA LANG GmbH & Co. KG
(72) Lang, Werner
Geissendörfer, Peter
Stürzenhofecker, Jens
Deffner, Simon
(31) 102013021622
(32) 18.12.2013
(33) Germany

(51) H04N 5/225
G08B 13/196
H04N 5/33
G03B 17/02
G03B 17/12
G03B 17/56
(11) EP3336810
(21) EP17205150.0
(47) 07.08.2019
(22) 04.12.2017
(54) CAMERA ARRANGEMENT
(73) Axis AB
(72) Hertzman, Andreas
Larsson, Stefan
Bokvist, Malte
(31) 16203192
(32) 09.12.2016
(33) European Patent Office (EPO)

(51) H04N 5/225
H04N 5/232
H04N 13/207
G01C 3/02
(11) EP3350988
(21) EP16767207.0
(47) 07.08.2019
(87) EP2016071628
23.03.2017
(22) 14.09.2016
(54) 3D CAMERA
(73) trinamiX GmbH
(72) SEND, Robert
BRUDER, Ingmar
IRLE, Stephan
THIEL, Erwin
(31) 15185005
(32) 14.09.2015
(33) European Patent Office (EPO)

(51) H04N 5/232
(11) EP1515546
(21) EP04010139.6
(47) 07.08.2019
(22) 29.04.2004
(54) Video user interface system and method
(73) Sensormatic Electronics, LLC
(72) Mills, Lawrence R.
(31) 502728 P
(32) 12.09.2003
(33) United States of America

(51) H04N 5/232
(11) EP2932704
(21) EP12890091.7
(47) 07.08.2019
(87) CN2012086569
19.06.2014
(22) 13.12.2012
(54) REMOTE CONTROL OF A CAMERA MODULE
(73) Thomson Licensing
(72) ZHANG, Yanfeng
ZHANG, Zhigang
MA, Xiaojun

(51) H04N 5/232
G01C 3/00
G01C 3/14
G06K 9/62
H04N 5/225
G06T 7/73
(11) EP3154256
(21) EP15878504.8
(47) 07.08.2019
(87) CN2015082857
28.07.2016
(22) 30.06.2015
(54) AUTOMATIC PHOTOGRAPHING METHOD, APPARATUS AND TERMINAL
(73) Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd.
(72) DU, Lijian
(31) 201510026519
(32) 19.01.2015
(33) China

(51) H04N 5/232
H04N 5/235
(11) EP3267675
(21) EP15886859.6
(47) 07.08.2019
(87) CN2015075450
06.10.2016
(22) 31.03.2015
(54) TERMINAL DEVICE AND PHOTOGRAPHING METHOD
(73) Huawei Technologies Co., Ltd.
(72) CHEN, Gang

(51) H04N 5/232
H04N 5/235
G06T 7/246
G06T 19/00
(11) EP3414891
(21) EP17758727.6
(47) 07.08.2019
(87) US2017047336
22.02.2018
(22) 17.08.2017
(54) CAMERA SETTING ADJUSTMENT BASED ON PREDICTED ENVIRONMENTAL FACTORS AND TRACKING SYSTEMS EMPLOYING THE SAME
(73) Google LLC
(72) WELKER, Stefan
(31) 201662376084 P
(32) 17.08.2016
(33) United States of America

(51) H04N 5/232
H04N 5/247
(11) EP2824910
(21) EP14002236.9
(47) 07.08.2019
(22) 30.06.2014
(54) Electronic device and method of operating the same
(73) LG Electronics, Inc.
(72) Min, Kyungyeon
Kim, Taekyoung
(31) 20130079773

(32) 08.07.2013
(33) Korea (Republic)

(51) H04N 5/235
(11) EP2860958
(21) EP13797232.9
(47) 07.08.2019
(87) JP2013057072
05.12.2013
(22) 13.03.2013
(54) IMAGING DEVICE, RECORDING MEDIUM RECORDING IMAGE FILES, RECORDING METHOD AND PROGRAM
(73) Olympus Corporation
(72) MATSUZAWA, Yoshinori
ICHIKAWA, Manabu
(31) 2012125410
(32) 31.05.2012
(33) Japan

(51) H04N 5/235
H04N 5/225
H04N 5/243
H04N 5/33
H04N 7/18
G06T 7/11
(11) EP3094081
(21) EP15734896.2
(47) 07.08.2019
(87) CN2015070147
16.07.2015
(22) 06.01.2015
(54) INFRARED CAMERA AND INFRARED LAMP BRIGHTNESS ADJUSTMENT METHOD THEREFOR
(73) Hangzhou Hikvision Digital Technology Co., Ltd.
(72) WANG, Yuming
(31) 201410012898
(32) 10.01.2014
(33) China

(51) H04N 5/343
H04N 5/345
H04N 5/347
H04N 5/3745
H04N 5/341
H04N 5/335
(11) EP2245850
(21) EP08851586.1
(47) 07.08.2019
(87) GB2008004052
28.05.2009
(22) 09.12.2008
(54) IMAGING DEVICE AND METHOD
(73) LEONARDO MW LTD
(72) THORNE, Peter Michael
(31) 0722643
(32) 19.11.2007
(33) United Kingdom

(51) H04N 5/347
(11) EP1745640
(21) EP05733785.9
(47) 07.08.2019
(87) IB2005051421
10.11.2005
(22) 02.05.2005
(54) ELECTRONIC DEVICE WITH AN ARRAY OF PROCESSING UNITS
(73) Koninklijke Philips N.V.
(72) OVERDICK, Michael
RUETTEN, Walter
(31) 04101934
(32) 05.05.2004
(33) European Patent Office (EPO)

(51) H04N 5/347
H04N 5/3745
H04N 9/04
(11) EP3328070
(21) EP17200121.6
(47) 07.08.2019
(22) 06.11.2017
(54) IMAGE PROCESSING METHOD AND APPARATUS, AND ELECTRONIC DEVICE
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) TANG, Cheng
(31) 201611079544
(32) 29.11.2016
(33) China

(51) H04N 5/374
H04N 5/372
H04N 5/3745
(11) EP2774355
(21) EP12775670.8
(47) 07.08.2019
(87) EP2012070658
10.05.2013
(22) 18.10.2012
(54) TIME DELAY INTEGRATION IMAGING DEVICE WITH NUMERICAL MULTIPHASE BINNING
(73) Teledyne e2v Semiconductors SAS
(72) MAYER, Frédéric
BUGNET, Henri
(31) 1160040
(32) 04.11.2011
(33) France

(51) H04N 5/44
H04N 5/63
H04N 5/445
H04N 5/225
H04N 21/4223
H04N 21/431
H04N 21/443
H04N 7/14
(11) EP3110137
(21) EP15749320.6
(47) 07.08.2019
(87) KR2015001579
20.08.2015
(22) 16.02.2015
(54) DISPLAY APPARATUS AND CONTROL METHOD THEREFOR
(73) Samsung Electronics Co., Ltd.
(72) CHO, Dae-woo
LEE, Sung-han
(31) 20140017710
(32) 17.02.2014
(33) Korea (Republic)

(51) H04N 7/12
H04N 21/2362
H04N 19/39
H04N 21/236
(11) EP2160896
(21) EP08766458.7
(47) 07.08.2019
(87) KR2008003498
24.12.2008
(22) 19.06.2008
(54) METHOD AND APPARATUS FOR TRANSMITTING DIGITAL BROADCASTING SIGNALS COMPRISING SCALABLE VIDEO CODING (SVC) VIDEO, AND CORRESPONDING RECEIVING METHOD AND APPARATUS
(73) Electronics and Telecommunications Research Institute
(72) YUN, Joung il
LEE, Gwang Soon
KIM, Kwang-Yong
KIM, Young Su
YANG, Kyu Tae
BAE, Jae-Hwui
CHOI, Seomee
KIM, Ju Yeun
SEO, Jae Hyun
LIM, Jong Soo
LEE, Soo In
(31) 20070060328
20070116459
(32) 20.06.2007
15.11.2007
(33) Korea (Republic)
Korea (Republic)

(51) H04N 7/18
G08B 13/196
G11B 27/34
(11) EP2898675
(21) EP13766926.3
(47) 07.08.2019
(87) EP2013069180
27.03.2014
(22) 16.09.2013
(54) USER INTERFACE ARRANGEMENT AND COMPUTER PROGRAM
(73) Robert Bosch GmbH
(72) HEIGL, Stephan
GOTTSCHLAG, Daniel
(31) 102012217152
(32) 24.09.2012
(33) Germany

(51) H04N 7/18
H04N 5/225
(11) EP2690868
(21) EP12760639.0
(47) 07.08.2019
(87) JP2012055199
27.09.2012
(22) 01.03.2012
(54) IMAGE PROCESSING DEVICE
(73) Olympus Corporation
(72) YANAGIDATE Masaharu
(31) 2011066060
(32) 24.03.2011
(33) Japan

(51) H04N 13/00
(11) EP2879389
(21) EP14191186.7
(47) 07.08.2019
(22) 30.10.2014
(54) Generating a three-dimensional model of an industrial plant using an unmanned aerial vehicle
(73) Honeywell International Inc.

(72) Pulleti, Uday K.
Gonia, Patrick
Mahasenan, Arun Vijayakumari
(31) 201314091920
(32) 27.11.2013
(33) United States of America

(51) H04N 13/111
H04N 13/361
(11) EP2475179
(21) EP11165477.8
(47) 07.08.2019
(22) 10.05.2011
(54) Display Control Program, Display, Display System, and Display Control Method
(73) Nintendo Co., Ltd.
(72) Imai, Daiji
Kita, Takahito
Kondo, Motomasa
Yamada, Hiroshi
Nadatani, Ryu
(31) 2011001532
(32) 06.01.2011
(33) Japan

(51) H04N 13/194
H04N 13/356
(11) EP2538688
(21) EP12172498.3
(47) 07.08.2019
(22) 18.06.2012
(54) Mobile communication terminal and method for operating the same
(73) LG Electronics Inc.
(72) Kang, Minhun
Kang, Raehoon
(31) 20110060832
(32) 22.06.2011
(33) Korea (Republic)

(51) H04N 13/20
H04N 13/30
H04N 13/122
H04N 13/261
G06T 15/08
G06T 7/00
G02B 23/12
H04N 13/305
H04N 13/271
(11) EP2839436
(21) EP13778674.5
(47) 07.08.2019
(87) US2013037655
24.10.2013
(22) 22.04.2013
(54) SYSTEMS AND METHODS FOR REAL-TIME CONVERSION OF VIDEO INTO THREE-DIMENSIONS
(73) Affirmation,LLC
(72) SASAKI, Hideshi
(31) 201261636342 P
(32) 20.04.2012
(33) United States of America

(51) H04N 13/30
H04N 13/341
H04N 13/111
H04N 13/356
H04N 13/139
H04N 13/398
(11) EP2320669
(21) EP09845853.2
(47) 07.08.2019
(87) KR2009003110
16.12.2010
(22) 10.06.2009
(54) STEREOSCOPIC IMAGE REPRODUCTION METHOD IN CASE OF PAUSE MODE AND STEREOSCOPIC IMAGE REPRODUCTION APPARATUS USING SAME
(73) LG Electronics Inc.
(72) JANG, Jun-Yeoung

(51) H04N 13/305
H04N 13/32
H04N 13/366
(11) EP2451180
(21) EP11184866.9
(47) 07.08.2019
(22) 12.10.2011
(54) Display apparatus and method
(73) Samsung Electronics Co., Ltd.
(72) Nam, Dong Kyung
Park, Dong Kyung
Hwang, Kyu Young
Ha, In Woo
(31) 20100109874
(32) 05.11.2010
(33) Korea (Republic)

(51) H04N 13/315
G02B 27/22
G09G 3/36
H04N 13/366
(11) EP3006990
(21) EP14803336.8
(47) 07.08.2019
(87) KR2014004734
04.12.2014
(22) 27.05.2014
(54) STEREOSCOPIC IMAGES DISPLAY APPARATUS COMPRISING FLEXIBLE BARRIER PATTERN
(73) RealD Spark, LLC
(72) KIM, Seong Yong
(31) 20130060816
20130073257
20130080587
20130133716
(32) 29.05.2013
25.06.2013
09.07.2013
05.11.2013
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) H04N 19/00
(11) EP3050295
(21) EP14782053.4
(47) 07.08.2019
(87) US2014057732
02.04.2015
(22) 26.09.2014
(54) SUB-PREDICTION UNIT (PU) BASED TEMPORAL MOTION VECTOR PREDICTION IN HEVC AND SUB-PU DESIGN IN 3D-HEVC
(73) Qualcomm Incorporated
(72) CHEN, Ying
VAN DER AUWERA, Geert
ZHANG, Li
LIU, Hongbin
(31) 201361883111 P
201361887915 P
201361892327 P
201361898385 P
201414496991
(32) 26.09.2013
07.10.2013
17.10.2013
31.10.2013
25.09.2014
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) H04N 19/00
H04N 21/2343
H04N 21/61
H04N 21/6587
H04N 21/845
H04N 21/262
H04N 21/4728
H04N 21/854
H04N 21/234
H04N 21/44
(11) EP3099069
(21) EP14883016.9
(47) 07.08.2019
(87) CN2014072379
27.08.2015
(22) 21.02.2014
(54) METHOD FOR PROCESSING VIDEO, TERMINAL AND SERVER
(73) Huawei Technologies Co., Ltd.
(72) YANG, Xiaofeng
ZHANG, Yuanyuan
SHI, Teng

(51) H04N 19/105
H04N 19/11
H04N 19/119
H04N 19/147
H04N 19/159
H04N 19/176
H04N 19/182
H04N 19/19
H04N 19/57
H04N 19/593
H04N 19/61
H04N 19/60
H04N 19/70
(11) EP2279620
(21) EP09742264.6
(47) 07.08.2019
(87) FR2009050601
12.11.2009
(22) 07.04.2009
(54) PREDICTION OF IMAGES BY PRIOR DETERMINATION OF A FAMILY OF REFERENCE PIXELS, CODING AND DECODING USING SUCH A PREDICTION
(73) Orange
(72) JUNG, Joël
LAROCHE, Guillaume
(31) 0852531
(32) 15.04.2008

(33) France

(51) H04N 19/105
H04N 19/70
H04N 19/58
H04N 19/44
H04N 19/503
H04N 19/423
(11) EP3399746
(21) EP18172374.3
(47) 07.08.2019
(22) 18.12.2013
(54) DECODER AND ENCODER FOR CODING OF A VIDEO SEQUENCE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) Samuelsson, Jonatan
Sjöberg, Rickard
(31) 201361753158 P
(32) 16.01.2013
(33) United States of America

(51) H04N 19/186
H04N 19/147
H04N 19/176
H04N 19/132
H04N 19/82
H04N 19/88
(11) EP3114843
(21) EP14884978.9
(47) 07.08.2019
(87) CN2014072847
11.09.2015
(22) 04.03.2014
(54) ADAPTIVE SWITCHING OF COLOR SPACES
(73) Microsoft Technology Licensing, LLC
(72) LI, Bin
XU, Jizheng
WU, Feng

(51) H04N 19/30
H04N 19/42
(11) EP3058731
(21) EP14792941.8
(47) 07.08.2019
(87) US2014060413
23.04.2015
(22) 14.10.2014
(54) THREE-DIMENSIONAL LOOKUP TABLE BASED COLOR GAMUT SCALABILITY IN MULTI-LAYER VIDEO CODING
(73) Qualcomm Incorporated
(72) LI, Xiang
RAPAKA, Krishnakanth
CHEN, Jianle
KARCZEWICZ, Marta
(31) 201361890843 P
201414512177
(32) 14.10.2013
10.10.2014
(33) United States of America
United States of America

(51) H04N 19/513
(11) EP2813079
(21) EP13807754.0
(47) 07.08.2019
(87) CN2013077160
27.12.2013
(22) 13.06.2013
(54) METHOD AND APPARATUS OF INTER-LAYER PREDICTION FOR SCALABLE VIDEO CODING
(73) HFI Innovation Inc.
(72) CHUANG, Tzu-Der
HUANG, Yu-Wen
CHEN, Ching-Yeh
TSAI, Chia-Yang
FU, Chih-Ming
HSIANG, Shih-Ta
(31) 201261661834 P
(32) 20.06.2012
(33) United States of America

(51) H04N 19/523
H04N 19/52
H04N 19/102
H04N 19/14
H04N 19/176
H04N 19/192
(11) EP2727359
(21) EP12805401.2
(47) 07.08.2019
(87) SE2012050716
03.01.2013
(22) 27.06.2012
(54) A METHOD AS WELL AS A DECODER AND ENCODER FOR PROCESSING A MOTION VECTOR
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) STRÖM, Jacob
SJÖBERG, Rickard
SAMUELSSON, Jonatan
(31) 201161502937 P
(32) 30.06.2011
(33) United States of America

(51) H04N 19/597
H04N 19/70
H04N 19/30
H04N 19/44
(11) EP3058746
(21) EP14795710.4
(47) 07.08.2019
(87) US2014060486
23.04.2015
(22) 14.10.2014
(54) SYSTEMS AND METHODS FOR INTER-LAYER RPS DERIVATION BASED ON SUB-LAYER REFERENCE PREDICTION DEPENDENCY
(73) Qualcomm Incorporated
(72) RAPAKA, Krishnakanth
WANG, Ye-Kui
CHEN, Jianle
HENDRY, Fnu
(31) 201361890759 P
201414513089
(32) 14.10.2013
13.10.2014
(33) United States of America
United States of America

(51) H04N 19/61
H04N 19/593
H04N 19/52
H04N 19/56
H04N 19/57
H04N 19/82
H04N 19/86
H04N 19/91
(11) EP3058739
(21) EP13895569.5
(47) 07.08.2019
(87) CN2013085165
23.04.2015
(22) 14.10.2013
(54) FEATURES OF INTRA BLOCK COPY PREDICTION MODE FOR VIDEO AND IMAGE CODING AND DECODING
(73) Microsoft Technology Licensing, LLC
(72) LI, Bin
XU, Jizheng
SULLIVAN, Gary J.

(51) H04N 19/70
H04N 19/46
H04N 19/13
H04N 19/61
H03M 7/40
(11) EP2628299
(21) EP11770644.0
(47) 07.08.2019
(87) US2011055047
19.04.2012
(22) 06.10.2011
(54) METHOD AND APPARATUS FOR IMPROVED ENTROPY ENCODING AND DECODING
(73) InterDigital VC Holdings, Inc.
(72) HU, Yang
SOLE, Joel
LU, Xiaoan
YIN, Peng
ZHENG, Yunfei
(31) 393195 P
(32) 14.10.2010
(33) United States of America

(51) H04N 19/98
H04N 19/186
H04N 19/192
H04N 19/176
H04N 19/115
H04N 19/124
H04N 19/15
(11) EP2843954
(21) EP14180463.3
(47) 07.08.2019
(22) 11.08.2014
(54) Lossy color compression using adaptive quantization
(73) Intel Corporation
(72) AKENINE-MOLLER, Tomas
HASSELGREN, Jon
MUNKBERG, Carl
NILSSON, Jim
BERKOVITS, Ariel
(31) 201314012048
(32) 28.08.2013
(33) United States of America

(51) H04N 21/234
(11) EP2541956
(21) EP12174163.1
(47) 07.08.2019
(22) 28.06.2012
(54) Advanced event triggering
(73) NBCUniversal Media, LLC
(72) Jackson, Keith Andrew
Duemo, Michael George
Slavik, Michael P.

Asay, Stephen J.
Bautista, Marcel
(31) 201113171266
(32) 28.06.2011
(33) United States of America

(51) H04N 21/236
H04N 21/422
H04N 21/442
H04N 21/81
H04N 21/854
G11B 27/031
(11) EP2922299
(21) EP15160184.6
(47) 07.08.2019
(22) 20.03.2015
(54) SYSTEMS AND METHODS FOR CONVERTING SENSORY DATA TO HAPTIC EFFECTS
(73) Immersion Corporation
(72) Saboune, Jamal
Cruz-Hernandez, Juan Manuel
(31) 201461968799 P
(32) 21.03.2014
(33) United States of America

(51) H04N 21/262
H04N 21/81
H04N 21/845
H04N 19/30
H04N 5/76
H04N 5/92
H04N 21/2343
H04N 21/854
(11) EP3163882
(21) EP15814032.7
(47) 07.08.2019
(87) JP2015067234
07.01.2016
(22) 16.06.2015
(54) INFORMATION PROCESSING DEVICE AND METHOD
(73) Sony Corporation
(72) HIRABAYASHI, Mitsuhiro
NAKAGAMI, Ohji
(31) 2014135147
(32) 30.06.2014
(33) Japan

(51) H04N 21/43
H04N 5/445
H04N 21/436
H04N 21/4402
H04N 21/858
H04N 21/6543
H04N 21/44
H04N 21/435
H04N 21/8358
H04N 21/4363
H04N 21/478
H04N 21/81
(11) EP3010241
(21) EP14811045.5
(47) 07.08.2019
(87) KR2014005089
18.12.2014
(22) 10.06.2014
(54) IMAGE DISPLAY DEVICE AND METHOD FOR OPERATING SAME
(73) LG Electronics Inc.
(72) AN, Seungjoo
KIM, Jinpil
MOON, Kyoungsoo
LEE, Jinwon
BAE, Janghun
(31) 201361833935 P
201361846087 P
(32) 12.06.2013
15.07.2013
(33) United States of America
United States of America

(51) H04N 21/431
H04N 21/432
H04N 21/4402
H04N 5/44
H04N 7/01
G09G 5/391
G09G 5/00
H04N 1/00
G06F 3/041
H04N 7/12
(11) EP2887682
(21) EP15153492.2
(47) 07.08.2019
(22) 18.01.2010
(54) Image displaying apparatus and image displaying method
(73) Samsung Electronics Co., Ltd
(72) Kim, Jung-dae
(31) 20090059886
(32) 01.07.2009
(33) Korea (Republic)

(51) H04N 21/44
H04N 21/438
H04N 21/443
H04N 21/434
(11) EP2603010
(21) EP12194931.7
(47) 07.08.2019
(22) 29.11.2012
(54) Image display apparatus, server, and methods for operating the same
(73) LG ELECTRONICS INC.
(72) Jeong, Woojin
Jang, Hoduk
Lee, Byungyoon
O, Yoehan
Lew, Jaeug
Hyun, Jinho
Han, Joonghee
(31) 20110129854
20120034537
20120039823
20120048754
20120081318
20120086762
(32) 06.12.2011
03.04.2012
17.04.2012
08.05.2012
25.07.2012
08.08.2012
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) H04N 21/45
H04N 21/462
G06Q 50/10
H04L 29/08
H04L 29/06
(11) EP3117625
(21) EP15761613.7
(47) 07.08.2019
(87) US2015020301
17.09.2015
(22) 12.03.2015
(54) CONTENT MATCHING SYSTEM FOR A NETWORKED MEDIA PLAYER
(73) Western Digital Technologies, Inc.
(72) BENNION, Matthew
(31) 201461951921 P
201414244306
(32) 12.03.2014
03.04.2014
(33) United States of America
United States of America

(51) H04N 21/458
H04N 21/436
G11B 27/06
H04N 21/442
H04L 12/28
H04L 12/24
H04N 5/44
H04N 21/472
H04N 21/433
(11) EP2391063
(21) EP11166997.4
(47) 07.08.2019
(22) 20.05.2011
(54) Network Management
(73) Comcast Cable Communications, LLC
(72) Hendry, Kevin
Wilson, Andrew
(31) 790052
(32) 28.05.2010
(33) United States of America

(51) H04N 21/462
H04N 21/4627
H04N 21/4784
H04N 21/81
G06Q 30/02
G07F 17/32
(11) EP2907319
(21) EP13802222.3
(47) 07.08.2019
(87) DE2013000577
17.04.2014
(22) 09.10.2013
(54) METHOD FOR SHOWING VIDEO ADVERTISEMENTS IN BROWSER APPLICATIONS
(73) ATG Ad Tech Group GmbH
(72) WERKHAUSEN, Marlon
WEBER, Heiko
(31) 102012019726
(32) 09.10.2012
(33) Germany

(51) H04N 21/6587
H04L 29/06
(11) EP2798854
(21) EP12810311.6
(47) 07.08.2019
(87) EP2012076941
04.07.2013

(22) 27.12.2012
(54) CONTROLLED STREAMING OF SEGMENTED CONTENT
(73) Koninklijke KPN N.V.
(72) VAN DEVENTER, Mattijs Oskar
VAN BRANDENBURG, Ray
NIAMUT, Omar Aziz
(31) 11196064
12153228
(32) 29.12.2011
31.01.2012
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) H04Q 9/00
G01D 21/02
H04B 5/00
(11) EP3110166
(21) EP15174183.2
(47) 07.08.2019
(22) 26.06.2015
(54) MOBILE MONITORING DEVICE AND METHOD OF COLLECTING SENSOR MEASUREMENT DATA
(73) Airbus Operations GmbH
(72) Mueller, Jan
Fuss, Tim

(51) H04Q 9/04
G01D 21/00
(11) EP2583471
(21) EP11738636.7
(47) 07.08.2019
(87) EP2011059925
22.12.2011
(22) 15.06.2011
(54) METHOD FOR SYNCHRONIZING SENSORS
(73) Continental Teves AG & Co. OHG
(72) JÖCKEL, Wolfgang
SIMON, Otmar
(31) 102010030132
(32) 15.06.2010
(33) Germany

(51) H04R 1/08
H04R 1/06
(11) EP3310072
(21) EP17192285.9
(47) 07.08.2019
(22) 21.09.2017
(54) HEARING DEVICE WITH FLAT FLEXIBLE ELECTRIC CONNECTION
(73) Sennheiser Communications A/S
(72) ROED, Henrik
KRISTENSEN, Torben
SPIDSBJERG, Brian
PEDERSEN, Arne Lindbjerg
HANSEN, Martin Feilberg
BAUERLUND, Peter
(31) 16193875
(32) 14.10.2016
(33) European Patent Office (EPO)

(51) H04R 1/10
H04R 1/28
(11) EP3264791
(21) EP17176430.1
(47) 07.08.2019
(22) 16.06.2017
(54) EARPHONE
(73) Onkyo Corporation
(72) ITO, Masanori
(31) 2016126212
(32) 27.06.2016
(33) Japan

(51) H04R 1/10
H04R 5/04
A61N 1/36
A61B 5/12
H04R 3/04
H04R 25/00
A61B 5/0484
(11) EP3011902
(21) EP15190577.5
(47) 07.08.2019
(22) 20.10.2015
(54) AUTOMATIC SOUND EQUALIZATION DEVICE
(73) Harman International Industries, Incorporated
(72) BUTTS, Donald
(31) 201462066274 P
(32) 20.10.2014
(33) United States of America

(51) H04R 3/00
(11) EP3198888
(21) EP15791673.5
(47) 07.08.2019
(87) FI2015050640
31.03.2016
(22) 24.09.2015
(54) APPARATUS AND METHOD FOR SAVING ENERGY IN AN ACTIVE LOUDSPEAKER
(73) Genelec OY
(72) MOILANEN, Pekka
PÖYHÖNEN, Kari
VÄISÄNEN, Juho
(31) 20145842
(32) 26.09.2014
(33) Finland

(51) H04R 3/00
H04R 29/00
(11) EP2879401
(21) EP13194907.5
(47) 07.08.2019
(22) 28.11.2013
(54) Determining the temperature of a loudspeaker voice coil
(73) NXP B.V.
(72) Gautama, Temujin

(51) H04R 3/04
H03G 3/02
G10L 21/0208
(11) EP2647223
(21) EP10860321.8
(47) 07.08.2019
(87) US2010058168
07.06.2012
(22) 29.11.2010
(54) DYNAMIC MICROPHONE SIGNAL MIXER
(73) Nuance Communications, Inc.
(72) BUCK, Markus
MATHEJA, Timo
EICHENTOPF, Achim

(51) H04R 5/02
H04R 5/04
G10K 11/178
H04R 1/34
H04R 1/40
H04R 3/12
(11) EP2816819
(21) EP14177513.0
(47) 07.08.2019
(22) 13.04.2012
(54) Orientation-responsive acoustic driver operation
(73) Bose Corporation
(72) Freeman, Eric J.
Joyce, John
Carbone, Richard J.
Breen, John J.
(31) 201113086976
201113087002
201113087023
(32) 14.04.2011
14.04.2011
14.04.2011
(33) United States of America
United States of America
United States of America

(51) H04R 7/10
H04R 9/04
(11) EP3096536
(21) EP16174230.9
(47) 07.08.2019
(22) 17.06.2014
(54) FLAT PANEL LOUDSPEAKER SYSTEM
(73) The Boeing Company
(72) Cheung, Wing W
(31) 201313929073
(32) 27.06.2013
(33) United States of America

(51) H04R 7/26
H04R 9/06
H04R 7/04
H04R 7/20
H04R 31/00
H04R 9/04
H04R 7/24
(11) EP3469813
(21) EP17731457.2
(47) 07.08.2019
(87) US2017037238
21.12.2017
(22) 13.06.2017
(54) ELECTRO-ACOUSTIC DRIVER
(73) Bose Corporation
(72) BUSHKO, Wit
JACOBITES, Brock
JOSEPH, Nicholas John
KAWKA, Marek
LANDEMAINE, Thomas
MUNRO, Andrew D.
NATH, Prateek
PARE, Christopher A.
SEARS, Adam
(31) 201615182055
201715617108
(32) 14.06.2016
08.06.2017
(33) United States of America
United States of America

(51) H04R 9/02
H04R 31/00
H04R 9/00

H04R 7/00
H04R 9/04
(11) EP2849460
(21) EP14181210.7
(47) 07.08.2019
(22) 18.08.2014
(54) Energy converter, speaker, and method of manufacturing energy converter
(73) Ricoh Company, Ltd.
(72) Shinotsuka, Michiaki
Kawase, Tsutomu
(31) 2013189112
2014016415
2014079143
(32) 12.09.2013
31.01.2014
08.04.2014
(33) Japan
Japan
Japan

(51) H04R 25/00
(11) EP2449797
(21) EP09723338.1
(47) 07.08.2019
(87) EP2009058212
24.09.2009
(22) 30.06.2009
(54) HEARING DEVICE WITH A VENT EXTENSION
(73) Sonova AG
(72) AUBERT, Sébastien

(51) H04R 25/00
(11) EP3016408
(21) EP15191872.9
(47) 07.08.2019
(22) 28.10.2015
(54) COMPRESSOR ARCHITECTURE FOR AVOIDANCE OF CROSS-MODULATION IN REMOTE MICROPHONES
(73) Starkey Laboratories, Inc.
(72) Galster, Jason Alan
(31) 201414525772
(32) 28.10.2014
(33) United States of America

(51) H04R 25/00
G10L 21/0232
G10L 21/0216
(11) EP3236672
(21) EP17164221.8
(47) 07.08.2019
(22) 31.03.2017
(54) A HEARING DEVICE COMPRISING A BEAMFORMER FILTERING UNIT
(73) Oticon A/S
(72) PEDERSEN, Michael Syskind
BERTELSEN, Andreas Thelander
JENSEN, Jesper
KAULBERG, Thomas
CHRISTOPHERSEN, Morten
(31) 16164353
(32) 08.04.2016
(33) European Patent Office (EPO)

(51) H04R 29/00
(11) EP2837209
(21) EP13722846.6
(47) 07.08.2019
(87) IB2013052630
17.10.2013
(22) 02.04.2013
(54) METHOD AND SYSTEM FOR CHECKING AN ACOUSTIC TRANSDUCER
(73) Koninklijke Philips N.V.
(72) GAISER, Yvonne
BAUER, Kurt
(31) 201261622124 P
(32) 10.04.2012
(33) United States of America

(51) H04S 1/00
H04S 3/00
(11) EP3222060
(21) EP15801075.1
(47) 07.08.2019
(87) US2015060781
26.05.2016
(22) 16.11.2015
(54) DETERMINATION OF HEAD-RELATED TRANSFER FUNCTION DATA FROM USER VOCALIZATION PERCEPTION
(73) Microsoft Technology Licensing, LLC
(72) SALTWELL, Erik
(31) 201414543825
201514610975
(32) 17.11.2014
30.01.2015
(33) United States of America
United States of America

(51) H04S 7/00
H04R 5/04
H04R 3/04
H04R 1/10
H04R 5/033
H04M 1/60
H04R 3/12
(11) EP2953383
(21) EP14171613.4
(47) 07.08.2019
(22) 06.06.2014
(54) Signal processing circuit
(73) NXP B.V.
(72) Macours, Christophe Marc

(51) H04S 7/00
H04S 3/00
(11) EP2258120
(21) EP09718111.9
(47) 07.08.2019
(87) US2009036575
11.09.2009
(22) 09.03.2009
(54) METHODS AND DEVICES FOR REPRODUCING SURROUND AUDIO SIGNALS VIA HEADPHONES
(73) Sennheiser electronic GmbH & Co. KG
Sennheiser Electronic Corporation
(72) KUHR, Markus
PEISSIG, Jürgen
GRELL, Axel
ZIELINSKY, Gregor
MERIMAA, Juha
LARCHER, Véronique
ROMBLOM, David
COOK, Bryan
ZEUNER, Heiko
(31) 08152448
(32) 07.03.2008
(33) European Patent Office (EPO)

(51) H04W 4/00
H04L 29/06
H04W 12/12
(11) EP3387846
(21) EP16819980.0
(47) 07.08.2019
(87) FR2016053216
15.06.2017
(22) 06.12.2016
(54) METHOD OF SECURING A MOBILE TERMINAL AND CORRESPONDING TERMINAL
(73) Orange
(72) ALLAL, Imed
(31) 1561935
(32) 07.12.2015
(33) France

(51) H04W 4/02
(11) EP3215960
(21) EP16712927.9
(47) 07.08.2019
(87) EP2016057176
06.10.2016
(22) 31.03.2016
(54) SYSTEM AND METHOD FOR GENERATING DYNAMIC PLAYLISTS UTILISING DEVICE CO-PRESENCE PROXIMITY
(73) Spotify AB
(72) WATSON, Craig
SLINEY, Aidan
BOYLE, Brian
LYNCH, Dave
O´DRISCOLL, Brendan
BRAZ, Lucas M.
(31) 201562141396 P
(32) 01.04.2015
(33) United States of America

(51) H04W 4/02
G01S 13/06
H04W 64/00
H04W 88/06
H04M 1/725
G01S 5/02
(11) EP3004921
(21) EP13885530.9
(47) 07.08.2019
(87) US2013043221
04.12.2014
(22) 30.05.2013
(54) DEVICE, SYSTEM AND METHOD OF DETERMINING WHETHER A MOBILE DEVICE IS LOCATED IN AN INDOOR LOCATION OR AN OUTDOOR LOCATION
(73) Intel IP Corporation
(72) VENKATESAN, Ganesh (Gany)
PERAHIA, Eldad
KENNEY, Thomas J. (Tom)

(51) H04W 4/02
H04W 4/70
H04W 76/14
(11) EP3128804
(21) EP14889857.0
(47) 07.08.2019
(87) CN2014075938
29.10.2015
(22) 22.04.2014

(54) D2D COMMUNICATION DETECTION METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) LIAO, Defu
LIN, Meixin
ZENG, Guangzhu
(51) H04W 4/02
H04W 76/00
H04W 4/20
(11) EP2744235
(21) EP14159456.4
(47) 07.08.2019
(22) 17.08.2009
(54) Control plane solution for location service to support wireless access based on Downlink positioning message
(73) Qualcomm Incorporated
(72) Edge, Stephen, W.
Burroughs, Kirk Allan
(31) 89795 P
142556 P
541841
(32) 18.08.2008
05.01.2009
14.08.2009
(33) United States of America
United States of America
United States of America

(51) H04W 4/06
H04W 72/04
H04W 4/08
H04W 72/00
H04L 12/18
H04L 29/12
H04W 8/26
H04W 72/12
H04W 8/18
H04W 72/06
(11) EP2802163
(21) EP12864330.1
(47) 07.08.2019
(87) CN2012087460
11.07.2013
(22) 26.12.2012
(54) DATA TRANSMISSION METHOD AND DEVICE
(73) China Academy of Telecommunications Technology
(72) CHEN, Li
QIN, Fei
AI, Ming
FU, Jing
HOU, Yunjing
HE, Fei
(31) 201210003569
(32) 06.01.2012
(33) China

(51) H04W 4/08
H04W 4/021
H04W 4/02
H04W 4/06
H04W 4/90
(11) EP3133844
(21) EP15181267.4
(47) 07.08.2019
(22) 17.08.2015
(54) IDENTIFICATION OF SELECTED MOBILE COMPUTING DEVICES AT A VENUE
(73) Fanpictor AG
(72) SCHÜRER, Stephan
SCHEIDEGGER, Reto

(51) H04W 4/16
H04W 4/60
H04M 3/436
(11) EP3090584
(21) EP14876801.3
(47) 07.08.2019
(87) US2014072321
09.07.2015
(22) 24.12.2014
(54) METHOD, APPARATUS AND COMPUTER READABLE MEDIUM FOR SECURE CONTEXT SHARING FOR PRIORITY CALLING AND VARIOUS PERSONAL SAFETY MECHANISMS
(73) McAfee, LLC
(72) KULKARNI, Dattatraya
NALLURI, Srikanth
KRISHNAPUR, Venkatasubrahmanyam
DHRUW, Kaushal
SINHA, Raja
JAIN, Yogesh
DOSS, Aravind
NAYAK, Susmita
(31) 32CH2014
(32) 03.01.2014
(33) India

(51) H04W 4/24
H04L 12/14
H04M 15/00
(11) EP2429222
(21) EP09845696.5
(47) 07.08.2019
(87) CN2009073403
16.12.2010
(22) 21.08.2009
(54) METHOD AND DEVICE FOR FLOW COUNTING AND AUTOMATICALLY CALCULATING INTERNET CONNECTION FEE
(73) ZTE Corporation
(72) WANG, Ting
WU, Xinqi
(31) 200910147808
(32) 12.06.2009
(33) China

(51) H04W 4/50
H04L 1/00
H04W 92/06
(11) EP3152885
(21) EP14727558.0
(47) 07.08.2019
(87) EP2014061474
10.12.2015
(22) 03.06.2014
(54) METHOD AND DEVICE FOR EXCHANGING SIGNALLING INFORMATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) RUNE, Johan
NYLANDER, Tomas
PERSSON, Bengt

(51) H04W 4/70
H04L 29/08
H04L 12/66
H04L 12/24
(11) EP3163798
(21) EP15814072.3
(47) 07.08.2019
(87) KR2015006633
07.01.2016
(22) 29.06.2015
(54) METHOD FOR PROCESSING REQUEST MESSAGES IN WIRELESS COMMUNICATION SYSTEM, AND DEVICE FOR SAME
(73) LG Electronics Inc.
(72) AHN, Hongbeom
PARK, Seungkyu
KIM, Seongyun
JEONG, Seungmyeong
KIM, Dongjoo
CHOI, Heedong
(31) 201462018671 P
201562173967 P
(32) 30.06.2014
11.06.2015
(33) United States of America
United States of America

(51) H04W 4/70
H04L 29/08
H04W 28/16
H04W 68/00
(11) EP2999185
(21) EP14797850.6
(47) 07.08.2019
(87) KR2014004429
20.11.2014
(22) 16.05.2014
(54) METHOD FOR SUBSCRIPTION AND NOTIFICATION IN M2M COMMUNICATION SYSTEM AND APPARATUS FOR SAME
(73) LG Electronics Inc.
(72) KIM, Seongyun
CHOI, Heedong
JEONG, Seungmyeong
PARK, Seungkyu
AHN, Hongbeom
(31) 201361823913 P
201361845351 P
201461937629 P
(32) 16.05.2013
11.07.2013
10.02.2014
(33) United States of America
United States of America
United States of America

(51) H04W 4/70
H04W 4/08
H04W 68/02
(11) EP2798889
(21) EP11878961.9
(47) 07.08.2019
(87) CN2011084967
04.07.2013
(22) 30.12.2011
(54) ONE GROUP PAGING SCHEME FOR MACHINE-TO-MACHINE COMMUNICATION
(73) Intel Corporation

(72) HUANG, Rui
LI, Honggang
MOHANTY, Shantidev
(51) H04W 4/70
H04W 4/18
H04L 29/08
H04L 29/12
H04L 12/24
H04W 64/00
H04W 84/18
H04N 7/18
(11) EP2885747
(21) EP12759836.5
(47) 07.08.2019
(87) SE2012050880
20.02.2014
(22) 17.08.2012
(54) SENSOR STIMULATION AND RESPONSE APPROACH FOR MAPPING SENSOR NETWORK ADDRESSES TO IDENTIFICATION INFORMATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SAROS, Jakob
PIERREL Sébastien

(51) H04W 4/70
H04W 28/24
(11) EP3304972
(21) EP15728466.2
(47) 07.08.2019
(87) EP2015062292
08.12.2016
(22) 02.06.2015
(54) ADAPTING QOS FOR A RADIO BEARER HAVING TWO ASSOCIATED QOS BY MEANS OF A UE INDICATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ANDGART, Niklas
ALRIKSSON, Peter
AXMON, Joakim
LINDOFF, Bengt
NILSSON, Johan

(51) H04W 4/70
H04W 76/14
H04L 29/08
(11) EP3219118
(21) EP15801518.0
(47) 07.08.2019
(87) US2015054702
19.05.2016
(22) 08.10.2015
(54) CONNECTIVITY MODULE FOR INTERNET OF THINGS (IOT) DEVICES
(73) Qualcomm Incorporated
(72) GUJRAL, Sunvir
SWINSON, Kenneth
(31) 201462077877 P
201514804759
(32) 10.11.2014
21.07.2015
(33) United States of America
United States of America

(51) H04W 4/80
H04W 8/00
H04W 28/02
H04W 60/04
H04L 29/08
H04W 4/44
(11) EP3314917
(21) EP15828795.3
(47) 07.08.2019
(87) US2015000360
29.12.2016
(22) 24.12.2015
(54) ENHANCED PROXIMITY SERVICES (PROSE) PROTOCOLS FOR VEHICLE-TO-ANYTHING (V2X) COMMUNICATION
(73) INTEL Corporation
(72) CAVALCANTI, Dave
PINHEIRO, Ana, Lucia
(31) 201562184156 P
(32) 24.06.2015
(33) United States of America

(51) H04W 8/00
H04W 72/12
H04W 16/14
H04W 48/08
(11) EP2586267
(21) EP11797698.5
(47) 07.08.2019
(87) IB2011052144
29.12.2011
(22) 16.05.2011
(54) METHOD AND APPARATUS FOR DEVICE-TO-DEVICE NETWORK COORDINATION
(73) Nokia Technologies Oy
(72) KNECKT, Jarkko
DOPPLER, Klaus
RINNE, Mika
(31) 821966
(32) 23.06.2010
(33) United States of America

(51) H04W 8/00
H04W 84/12
H04W 84/18
(11) EP3182743
(21) EP15831343.7
(47) 07.08.2019
(87) JP2015004008
18.02.2016
(22) 10.08.2015
(54) COMMUNICATION METHOD IN WIRELESS COMMUNICATION NETWORK, COMMUNICATION SYSTEM, WIRELESS TERMINAL AND COMMUNICATION CONTROL METHOD
(73) NEC Corporation
(72) FUJITA, Norihito
CHAKI, Prakash
YASUDA, Masato
(31) 2014164032
(32) 12.08.2014
(33) Japan

(51) H04W 8/00
H04W 84/18
H04W 92/18
(11) EP2636239
(21) EP11778879.4
(47) 07.08.2019
(87) EP2011069335
10.05.2012
(22) 03.11.2011
(54) A MARITIME MOBILE AD-HOC NETWORK
(73) Thales Nederland B.V.
(72) LAARHUIS, Jan
(31) 10190062
(32) 04.11.2010
(33) European Patent Office (EPO)

(51) H04W 8/06
G06F 9/455
(11) EP3354052
(21) EP16775825.9
(47) 07.08.2019
(87) GB2016052938
30.03.2017
(22) 21.09.2016
(54) NETWORK SERVICES ROAMING IN NFV ENVIRONMENT
(73) Vodafone IP Licensing Limited
(72) NEAL, Adrian
(31) 201516793
(32) 22.09.2015
(33) United Kingdom

(51) H04W 8/18
H04L 29/06
(11) EP3324662
(21) EP17202869.8
(47) 07.08.2019
(22) 21.11.2017
(54) IDENTITY VERIFICATION METHOD, APPARATUS AND SYSTEM, COMPUTER PROGRAM AND RECORDING MEDIUM
(73) Beijing Xiaomi Mobile Software Co., Ltd.
(72) LIU, Lijun
CHEN, Yang
LIU, Daokuan
(31) 201611042990
(32) 21.11.2016
(33) China

(51) H04W 8/20
H04W 8/18
(11) EP3360355
(21) EP16778206.9
(47) 07.08.2019
(87) EP2016001659
13.04.2017
(22) 06.10.2016
(54) RESTRICTING THE NUMBER OF TIMES A SUBSCRIPTION PROFILE FOR AN EUICC CAN BE DOWNLOADED
(73) Giesecke+Devrient Mobile Security GmbH
(72) NITSCH, Nils
HUBER, Ulrich
(31) 102015012941
(32) 07.10.2015
(33) Germany

(51) H04W 8/20
H04W 36/22
H04W 48/18
(11) EP3226593
(21) EP17168763.5
(47) 07.08.2019
(22) 24.01.2012
(54) INFORMATION PROCESSING METHOD AND INFORMATION PROCESSING DEVICE
(73) Sony Corporation
(72) TSUDA, Shinichiro
(31) 2011017609
(32) 31.01.2011
(33) Japan

(51) H04W 8/26
H04W 12/08
H04W 48/20
H04W 8/22
H04L 29/06
(11) EP3208988
(21) EP14905643.4
(47) 07.08.2019
(87) CN2014090297
12.05.2016
(22) 05.11.2014
(54) USER EQUIPMENT MANAGEMENT METHOD, DEVICE AND PROGRAM
(73) Huawei Technologies Co., Ltd.
(72) HE, Yongzhen
WU, Lianfang

(51) H04W 12/00
H04W 12/06
H04L 29/06
(11) EP2248354
(21) EP09715288.8
(47) 07.08.2019
(87) US2009033628
03.09.2009
(22) 10.02.2009
(54) METHOD FOR MOBILE TELEPHONE ROAMING
(73) SIMO Holdings Inc.
(72) XU, Richard
QIN, Xiaolei
LIU, Jing
(31) 39646
(32) 28.02.2008
(33) United States of America

(51) H04W 12/02
H04W 12/04
H04L 29/06
(11) EP3149914
(21) EP15731118.4
(47) 07.08.2019
(87) IB2015054153
10.12.2015
(22) 01.06.2015
(54) MEDIA STREAMING WITH HIGH RATE AVAILABILITY
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) KHAYRALLAH, Ali S.
(31) 201414293136
(32) 02.06.2014
(33) United States of America

(51) H04W 12/04
H04W 12/06
H04W 60/00
H04L 29/06
H04L 9/08
H04W 4/08
H04W 76/11
H04W 4/00
H04W 8/00
H04W 8/04
(11) EP3096544
(21) EP15735197.4
(47) 07.08.2019
(87) KR2015000354
16.07.2015
(22) 13.01.2015
(54) SECURITY METHOD AND SYSTEM FOR SUPPORTING PROSE GROUP COMMUNICATION OR PUBLIC SAFETY IN MOBILE COMMUNICATION
(73) Samsung Electronics Co., Ltd.
(72) SUH, Kyungjoo
(31) 20140004069
20140055885
(32) 13.01.2014
09.05.2014
(33) Korea (Republic)
Korea (Republic)

(51) H04W 12/04
H04W 12/08
H04W 4/80
H04L 29/06
H04W 84/12
D06F 39/00
A47L 15/00
H04L 12/28
(11) EP3050336
(21) EP14759170.5
(47) 07.08.2019
(87) EP2014068778
26.03.2015
(22) 04.09.2014
(54) METHOD FOR CONNECTING A DOMESTIC APPLIANCE TO A WIRELESS HOME NETWORK, COMPUTER PROGRAM PRODUCT, PORTABLE COMMUNICATIONS TERMINAL AND DOMESTIC APPLIANCE
(73) BSH Hausgeräte GmbH
(72) BÖLDT, Frank
STARKE, Susett
(31) 102013219054
(32) 23.09.2013
(33) Germany

(51) H04W 12/04
H04W 12/10
H04L 29/06
H04W 24/02
(11) EP2529565
(21) EP10727378.1
(47) 07.08.2019
(87) EP2010058294
04.08.2011
(22) 14.06.2010
(54) METHOD AND ARRANGEMENT FOR MANAGING SECURITY RECONFIGURATION IN A CELLULAR COMMUNICATION SYSTEM
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) MCGANN, Tom
(31) 298934 P
(32) 28.01.2010
(33) United States of America

(51) H04W 12/04
H04W 28/18
H04L 29/06
H04W 12/02
H04W 36/00
(11) EP3195643
(21) EP15860109.6
(47) 07.08.2019
(87) CN2015079866
26.05.2016
(22) 27.05.2015
(54) METHOD, SERVER, BASE STATION AND COMMUNICATION SYSTEM FOR CONFIGURING SECURITY PARAMETERS
(73) Huawei Technologies Co., Ltd.
(72) POTHULA, Dharmanandana Reddy
ZHANG, Chi
(31) 5782CH2014
(32) 17.11.2014
(33) India

(51) H04W 12/04
H04W 36/00
H04W 36/08
H04W 88/02
H04W 88/08
H04W 92/20
(11) EP3360359
(21) EP16775001.7
(47) 07.08.2019
(87) SE2016050879
13.04.2017
(22) 20.09.2016
(54) NODES FOR USE IN A COMMUNICATION NETWORK AND METHODS OF OPERATING THE SAME
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) AXÉN, Rasmus
NORRMAN, Karl
(31) 201562238966 P
(32) 08.10.2015
(33) United States of America

(51) H04W 12/06
G06F 21/32
H04L 29/06
A47G 1/02
G06K 9/00
H04L 12/24
H04L 29/08
G06F 1/16
H04W 84/12
H04L 12/28
(11) EP3416347
(21) EP17191851.9
(47) 07.08.2019
(22) 19.09.2017
(54) DATA SETTING METHOD FOR BODY INFORMATION ANALYSIS APPARATUS
(73) Cal-Comp Big Data, Inc.
(72) SHEN, Shyh-Yong
CHI, Min-Chang
TSAI, Ching-Sheng
YONG, Chia-Ming
(31) 201710438897
(32) 12.06.2017
(33) China

(51) H04W 12/06
H04W 4/60
H04L 29/06
(11) EP3005764
(21) EP14734635.7
(47) 07.08.2019
(87) US2014039713
11.12.2014
(22) 28.05.2014
(54) SYSTEMS AND METHODS FOR ENABLING AN APPLICATION MANAGEMENT SERVICE TO

REMOTELY ACCESS ENTERPRISE APPLICATION STORE
(73) Citrix Systems Inc.
(72) GUPTA, Punit
BHUSHAN, Bharat
KANN, Jong
RAFIQ, Pierre
(31) 201313910680
(32) 05.06.2013
(33) United States of America

(51) H04W 12/10
H04W 12/06
H04W 4/02
H04L 29/06
H04L 9/32
H04L 9/08
H04W 64/00
(11) EP2395780
(21) EP11169460.0
(47) 07.08.2019
(22) 10.06.2011
(54) Authenticity verification of authentication messages
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
Koninklijke KPN N.V.
(72) Muller, Frank
Franssen, Frank
(31) 10165847
(32) 14.06.2010
(33) European Patent Office (EPO)

(51) H04W 12/12
H04L 29/06
H04W 88/02
(11) EP2297993
(21) EP09776754.5
(47) 07.08.2019
(87) EP2009004352
14.01.2010
(22) 16.06.2009
(54) PROTECTING A MOBILE DEVICE AGAINST A DENIAL OF SERVICE ATTACK
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
Koninklijke KPN N.V.
(72) LAARAKKERS, Jeroen
MULLER, Frank
(31) 08010876
(32) 16.06.2008
(33) European Patent Office (EPO)

(51) H04W 16/08
H04W 52/02
H04W 52/34
H04W 36/04
H04W 36/16
H04W 52/36
H04W 16/32
(11) EP3035726
(21) EP14836205.6
(47) 07.08.2019
(87) JP2014066746
19.02.2015
(22) 24.06.2014
(54) COMMUNICATION CONTROL APPARATUS, COMMUNICATION CONTROL METHOD AND RADIO COMMUNICATION SYSTEM
(73) Sony Corporation
(72) TSUDA, Shinichiro
TAKANO, Hiroaki
(31) 2013167755
2014075987
(32) 12.08.2013
02.04.2014
(33) Japan
Japan

(51) H04W 16/10
(11) EP2436202
(21) EP09779590.0
(47) 07.08.2019
(87) EP2009056669
02.12.2010
(22) 29.05.2009
(54) COMMUNICATION NETWORK AND METHOD
(73) Nokia Solutions and Networks Oy
(72) PEDERSEN, Klaus Ingemann
GARCIA, Luis

(51) H04W 16/10
H04W 52/02
(11) EP3366057
(21) EP15787531.1
(47) 07.08.2019
(87) EP2015074684
27.04.2017
(22) 23.10.2015
(54) CELL OPERATION IN A WIRELESS COMMUNICATIONS NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ASTELY, David
JALDÉN, Niklas
ASPLUND, Henrik

(51) H04W 16/14
(11) EP3033896
(21) EP13748052.1
(47) 07.08.2019
(87) EP2013066878
19.02.2015
(22) 13.08.2013
(54) ANONYMIZATION OF ASA/LSA REPOSITORY DATA
(73) Nokia Solutions and Networks Oy
(72) MARKWART, Christian
HALFMANN, Ruediger

(51) H04W 16/32
H04W 74/04
H04W 84/04
H04B 17/309
H04L 5/00
H04L 1/00
H04L 27/00
H04W 16/14
H04W 74/08
(11) EP3338392
(21) EP16742039.7
(47) 07.08.2019
(87) SE2016050562
23.02.2017
(22) 09.06.2016
(54) ACTIVATION OF CELLS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) KAZMI, Muhammad
RAHMAN, Imadur
BERGSTRÖM, Mattias
AXMON, Joakim
(31) 201562205935 P
(32) 17.08.2015
(33) United States of America

(51) H04W 24/00
(11) EP2858402
(21) EP12878593.8
(47) 07.08.2019
(87) CN2012076432
12.12.2013
(22) 04.06.2012
(54) SIGNAL RECEIVED POWER MEASUREMENT METHOD, TERMINAL, BASE STATION AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) WANG, Jianguo
ZHOU, Yongxing

(51) H04W 24/00
H04B 7/02
(11) EP2997757
(21) EP14818372.6
(47) 07.08.2019
(87) CN2014080698
31.12.2014
(22) 25.06.2014
(54) SYSTEM AND METHOD FOR NETWORK UPLINK MEASUREMENT BASED OPERATION USING UE CENTRIC SOUNDING
(73) Huawei Technologies Co., Ltd.
(72) SENARATH, Nimal Gamini
AU, Kelvin Kar Kin
MA, Jianglei
ZHANG, Liqing
(31) 201313930908
(32) 28.06.2013
(33) United States of America

(51) H04W 24/02
H04W 88/08
(11) EP3011799
(21) EP14739884.6
(47) 07.08.2019
(87) FR2014051500
24.12.2014
(22) 17.06.2014
(54) DEVICES FOR SUPPLYING SERVICE INFORMATION FOR A MICROWAVE LINK
(73) Orange
(72) CHANCLOU, Philippe
PIZZINAT, Anna
(31) 1355774
(32) 19.06.2013
(33) France

(51) H04W 24/04
H04L 12/26
H04L 12/24
H04W 8/00
H04W 28/16
H04W 24/08
H04W 92/14
H04W 92/06
(11) EP2884792
(21) EP14197440.2
(47) 07.08.2019
(22) 11.12.2014
(54) Data collection and management in a wireless network using a two-tier architecture
(73) Viavi Solutions UK Limited

(72) Randell, Nicholas James
Kenington, Peter
Drawater, Christopher
(31) 201314103456
(32) 11.12.2013
(33) United States of America

(51) H04W 24/08
(11) EP2283671
(21) EP09758626.7
(47) 07.08.2019
(87) SE2009050660
10.12.2009
(22) 03.06.2009
(54) METHOD AND APPARATUS RELATING TO SPECTRUM SENSING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SELÉN, Yngve
TULLBERG, Hugo
KRONANDER, Jonas
(31) 58668 P
(32) 04.06.2008
(33) United States of America

(51) H04W 24/08
(11) EP2283685
(21) EP09758620.0
(47) 07.08.2019
(87) SE2009050634
10.12.2009
(22) 01.06.2009
(54) METHOD AND APPARATUS RELATING TO SPECTRUM SENSING
(73) Optis Cellular Technology, LLC
(72) SELÉN, Yngve
KRONANDER, Jonas
TULLBERG, Hugo
(31) 58668 P
(32) 04.06.2008
(33) United States of America

(51) H04W 24/08
H04L 12/26
(11) EP3235286
(21) EP15810732.6
(47) 07.08.2019
(87) EP2015080269
23.06.2016
(22) 17.12.2015
(54) METHOD FOR ANALYSING A WIRELESS LINK OF A WI-FI NODE, RESPECTIVE CIRCUIT PERFORMING THE METHOD, AND APPLICATION
(73) AirTies Belgium SPRL
(72) VAN DOORSELAER, Karel
TIMMS, Stuart
VAN OOST, Koen
(31) 14307074
(32) 18.12.2014
(33) European Patent Office (EPO)

(51) H04W 24/10
H04W 48/20
H04W 84/04
H04W 36/00
(11) EP3282731
(21) EP17194071.1
(47) 07.08.2019
(22) 18.06.2010
(54) METHOD AND APPARATUS FOR DETECTING AND MEASURING FOR HOME NODE-BS
(73) Interdigital Patent Holdings, Inc.
(72) PANI, Diana
MARINIER, Paul
GOMEs, Sylvie
(31) 218824 P
248003 P
247968 P
250255 P
(32) 19.06.2009
02.10.2009
02.10.2009
09.10.2009
(33) United States of America
United States of America
United States of America
United States of America

(51) H04W 28/02
H04W 84/12
H04W 88/18
(11) EP3383091
(21) EP17175298.3
(47) 07.08.2019
(22) 09.06.2017
(54) ARBITRATION OF DISTRIBUTED SERVICES FOR WIRELESS HOME NETWORKS
(73) Quantenna Communications, Inc.
(72) WANG, Huizhao
DEHGHAN, Hossein
(31) 201715476972
(32) 01.04.2017
(33) United States of America

(51) H04W 28/06
(11) EP3425957
(21) EP18190890.6
(47) 07.08.2019
(22) 30.09.2013
(54) SELECTIVE ROBUST HEADER COMPRESSION (ROHC) FOR A VOIP CALL IN A CELLULAR COMMUNICATIONS NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) CHAN, Jayson
LANGEREIS, Alexander
EGLUND, Eva
(31) 201213675308
(32) 13.11.2012
(33) United States of America

(51) H04W 28/06
H04J 1/00
H04J 11/00
H04L 5/00
H04L 5/14
H04B 7/26
H04W 72/02
H04W 72/04
(11) EP2869628
(21) EP13809711.8
(47) 07.08.2019
(87) JP2013067620
03.01.2014
(22) 27.06.2013
(54) BASE STATION DEVICE, MOBILE STATION DEVICE AND WIRELESS COMMUNICATION METHOD TO PROCESS SYSTEM INFORMATION BLOCK
(73) Sharp Kabushiki Kaisha
(72) SUZUKI, Shoichi
IMAMURA, Kimihiko
UEMURA, Katsunari
(31) 2012144084
(32) 27.06.2012
(33) Japan

(51) H04W 28/06
H04L 1/16
H04L 12/805
(11) EP3202100
(21) EP15781008.6
(47) 07.08.2019
(87) US2015053570
07.04.2016
(22) 01.10.2015
(54) UPLINK DATA FRAGMENTATION FOR MULTI-USER NETWORKS
(73) Qualcomm Incorporated
(72) DING, Gang
MERLIN, Simone
BARRIAC, Gwendolyn Denise
CHERIAN, George
ASTERJADHI, Alfred
(31) 201462059356 P
201462074482 P
201514871888
(32) 03.10.2014
03.11.2014
30.09.2015
(33) United States of America
United States of America
United States of America

(51) H04W 28/06
H04W 28/18
(11) EP3094131
(21) EP16177592.9
(47) 07.08.2019
(22) 08.06.2012
(54) EFFICIENT TRANSMISSION FOR LOW DATA RATE WLAN
(73) Marvell World Trade Ltd.
(72) LIU, Yong
(31) 201161494609 P
201161501136 P
201161521217 P
201161560715 P
201261588852 P
201261622790 P
(32) 08.06.2011
24.06.2011
08.08.2011
16.11.2011
20.01.2012
11.04.2012
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) H04W 28/06
H04W 80/06
H04L 12/803
H04W 28/10
H04L 12/801
H04L 12/841
H04L 29/06
(11) EP3138319

(21) EP15786435.6
(47) 07.08.2019
(87) US2015025977
05.11.2015
(22) 15.04.2015
(54) INSERTION AND USE OF APPLICATION OR RADIO INFORMATION IN NETWORK DATA PACKET HEADERS
(73) T-Mobile USA, Inc.
(72) TAPIA, Pablo
(31) 201461985317 P
201514634128
(32) 28.04.2014
27.02.2015
(33) United States of America
United States of America

(51) H04W 28/06
H04W 92/04
H04W 76/12
(11) EP2667656
(21) EP12168667.9
(47) 07.08.2019
(22) 21.05.2012
(54) Method and system for transmitting data packets between at least one transmitting and one receiving gateway of a communications network
(73) Vodafone GmbH
(72) Pudney, Christopher David
Moughton, John
Verholen, Manfred
Nestler, Lars
Elbasyouny, Tarek

(51) H04W 28/08
(11) EP2955959
(21) EP15171138.9
(47) 07.08.2019
(22) 09.06.2015
(54) INTER-ENB CARRIER AGGREGATION
(73) Nokia Solutions and Networks Oy
(72) Iyer, Subramanian
Ingemunson, Kirk
Marsan, Mark
Mathur, Apurv
(31) 201462009630 P
(32) 09.06.2014
(33) United States of America

(51) H04W 28/08
H04W 24/02
H04W 36/22
(11) EP3318082
(21) EP15739189.7
(47) 07.08.2019
(87) EP2015064789
05.01.2017
(22) 30.06.2015
(54) AUTOMATIC METHOD FOR MOBILITY LOAD BALANCING IN MOBILE TELECOMMUNICATIONS NETWORKS
(73) Telecom Italia S.p.A.
(72) BERNINI, Antonio
BULDORINI, Andrea
MINERVA, Giuseppe
SCHIAVONI, Andrea
VARIO, Isabella

(51) H04W 28/08
H04W 36/22
H04W 92/12
(11) EP2800413
(21) EP12862412.9
(47) 07.08.2019
(87) CN2012073673
04.07.2013
(22) 09.04.2012
(54) METHOD AND APPARATUS FOR SERVICE EQUALIZATION
(73) ZTE Corporation
(72) HE, Feng
AI, Jianxun
(31) 201110458366
(32) 31.12.2011
(33) China

(51) H04W 28/10
H04L 12/54
(11) EP3258656
(21) EP16174411.5
(47) 07.08.2019
(22) 14.06.2016
(54) METHOD, SYSTEM AND COMPUTER PROGRAM COMPRISING COMPUTER-READABLE PROGRAM CODE FOR DYNAMIC LOAD BALANCING USING DIFFERENT DATA TRANSMISSION PATHS IN A TELECOMMUNICATIONS NETWORK, COMPRISING A MOBILE NETWORK PART, A FIXED NETWORK PART AND A PLURALITY OF ROUTER DEVICES
(73) Deutsche Telekom AG
(72) KURZ, Michael

(51) H04W 28/12
H04L 12/855
(11) EP2873269
(21) EP13765770.6
(47) 07.08.2019
(87) IB2013055262
23.01.2014
(22) 26.06.2013
(54) METHOD AND SYSTEM FOR HANDLING ERROR INDICATIONS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) BAILLARGEON, Steve
NILSSON, Peter
(31) 201261671997 P
201213727185
(32) 16.07.2012
26.12.2012
(33) United States of America
United States of America

(51) H04W 28/24
H04W 72/04
(11) EP3395097
(21) EP15820532.8
(47) 07.08.2019
(87) EP2015081190
29.06.2017
(22) 23.12.2015
(54) TRAFFIC CHARACTERISTIC INDICATION FOR CONNECTION ESTABLISHMENT CONTROL
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SVEDEVALL, Sofia
ANDRÉ-JÖNSSON, Henrik
AXÉN, Rasmus
OLOFSSON, Lars

(51) H04W 36/00
(11) EP2845413
(21) EP13722243.6
(47) 07.08.2019
(87) US2013039336
07.11.2013
(22) 02.05.2013
(54) APPARATUS AND METHOD FOR A CONNECTED MODE WITH REDUCED SIGNALING
(73) Qualcomm Incorporated
(72) RADULESCU, Andrei Dragos
PRAKASH, Rajat
TINNAKORNSRISUPHAP, Peerapol
SINGH, Damanjit
PATEL, Chirag Sureshbhai
(31) 201261641797 P
201313797991
(32) 02.05.2012
12.03.2013
(33) United States of America
United States of America

(51) H04W 36/00
(11) EP3280178
(21) EP15891068.7
(47) 07.08.2019
(87) CN2015078247
10.11.2016
(22) 05.05.2015
(54) METHOD, NETWORK DEVICE AND SYSTEM FOR CIRCUIT SWITCHED FALLBACK
(73) Huawei Technologies Co., Ltd.
(72) CHONG, Weiwei
WU, Xiaobo

(51) H04W 36/00
H04W 24/10
(11) EP3160181
(21) EP15811249.0
(47) 07.08.2019
(87) CN2015080865
30.12.2015
(22) 05.06.2015
(54) ELECTRONIC APPARATUS IN WIRELESS COMMUNICATIONS SYSTEM, AND MOBILITY MEASUREMENT METHOD
(73) Sony Corporation
(72) QIN, Zhongbin
(31) 201410283433
(32) 23.06.2014
(33) China

(51) H04W 36/00
H04W 36/08
H04W 8/26
H04W 84/00
H04W 84/04
(11) EP2708064
(21) EP11805262.0
(47) 07.08.2019
(87) SE2011051516
22.11.2012
(22) 15.12.2011
(54) NEIGHBOR MANAGEMENT FOR MOBILE RELAY NODES
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) GUNNARSSON, Fredrik
TEYEB, Oumer
MILDH, Gunnar

ÖSTERGAARD, Jessica
(31) 201161486027 P
(32) 13.05.2011
(33) United States of America

(51) H04W 36/00
H04W 48/18
(11) EP3304973
(21) EP15725649.6
(47) 07.08.2019
(87) EP2015062234
08.12.2016
(22) 02.06.2015
(54) NETWORK NODE AND METHOD THEREIN FOR HANDOVER IN WIRELESS COMMUNICATION NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LINDOFF, Bengt
ÅSTRÖM, Magnus
EKER, Johan
NILSSON, Johan

(51) H04W 36/14
(11) EP2245869
(21) EP08700677.1
(47) 07.08.2019
(87) CN2008000128
23.07.2009
(22) 17.01.2008
(54) METHOD FOR HANDOVER OF TERMINAL, NETWORK ELEMENT, BASE STATION, AND COMMUNICATION SYSTEM
(73) Alcatel-Lucent USA Inc.
(72) CHI, Caixia
HAO, Ruibing
LIU, Fang
CAI, Xuejun

(51) H04W 36/30
(11) EP3278596
(21) EP15728484.5
(47) 07.08.2019
(87) EP2015062609
08.12.2016
(22) 05.06.2015
(54) METHODS AND NODES IN A WIRELESS COMMUNICATION NETWORK
(73) Huawei Technologies Co. Ltd.
(72) GELABERT, Xavier
DU, Yinggang
KOUDOURIDIS, George
KRENDZEL, Andrey

(51) H04W 36/30
H04W 48/16
H04W 48/18
H04W 4/50
H04W 4/40
H04W 36/14
(11) EP2866497
(21) EP13810267.8
(47) 07.08.2019
(87) JP2013057134
03.01.2014
(22) 14.03.2013
(54) INFORMATION PROCESSING DEVICE, COMMUNICATION SYSTEM, IMAGE PROCESSING METHOD, AND PROGRAM
(73) Sony Corporation
(72) TSUDA, Shinichiro
(31) 2012142119
(32) 25.06.2012
(33) Japan

(51) H04W 36/30
H04W 52/08
H04W 52/24
H04W 36/18
H04W 52/40
(11) EP2966906
(21) EP13880904.1
(47) 07.08.2019
(87) CN2013089405
09.10.2014
(22) 13.12.2013
(54) METHOD AND DEVICE FOR PROCESSING DOWNLINK INFORMATION
(73) Huawei Technologies Co., Ltd.
(72) GUO, Fangfu
XU, Xiaoying
CHEN, Dong
(31) PCT/CN2013/073711
PCT/CN2013/086448
(32) 03.04.2013
01.11.2013
(33) World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)

(51) H04W 36/32
H04W 36/00
(11) EP2880913
(21) EP13726520.3
(47) 07.08.2019
(87) EP2013061369
06.02.2014
(22) 03.06.2013
(54) METHOD AND ARRANGEMENT FOR MOBILITY PROCEDURES
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) MASINI, Gino Luca
CENTONZA, Angelo
TEYEB, Oumer
GUNNARSSON, Fredrik
MILDH, Gunnar
WAGER, Stefan
FADAKI, Mojgan
(31) 201261679253 P
(32) 03.08.2012
(33) United States of America

(51) H04W 36/38
H04W 36/30
H04W 48/02
H04W 88/08
H04W 36/24
(11) EP3130175
(21) EP15777461.3
(47) 07.08.2019
(87) KR2015001754
15.10.2015
(22) 24.02.2015
(54) METHOD AND APPARATUS FOR CONTROLLING HANDOVER IN AN ENVIRONMENT SUPPORTIVE OF MOVING CELLS
(73) LG Electronics Inc.
(72) HAHN, Genebeck
CHUNG, Jaehoon
LEE, Eunjong
KIM, Jinmin
CHOI, Kukheon
NOH, Kwangseok
(31) 201461977597 P
(32) 09.04.2014
(33) United States of America

(51) H04W 40/24
H04W 40/08
H04W 40/12
H04W 40/14
H04L 12/703
H04L 12/735
H04L 12/707
(11) EP2865217
(21) EP13736607.6
(47) 07.08.2019
(87) GB2013000274
27.12.2013
(22) 20.06.2013
(54) A METHOD OF MEASURING INTEGRITY OF WIRELESS SIGNALLING SYSTEMS
(73) Texecom Limited
(72) ALEXANDER, Peter
DAY, Richard
(31) 201210920
(32) 20.06.2012
(33) United Kingdom

(51) H04W 48/04
(11) EP3131340
(21) EP14888593.2
(47) 07.08.2019
(87) CN2014093428
15.10.2015
(22) 10.12.2014
(54) COMPOUND MOBILE COMMUNICATION METHOD, TERMINAL AND SYSTEM FOR NUCLEAR POWER PLANT
(73) China Nuclear Power Engineering Company Ltd.
China General Nuclear Power Group
(72) JIANG, Shang yue
HUANG, Wei
(31) 201410146678
(32) 11.04.2014
(33) China

(51) H04W 48/16
H04L 5/00
H04W 48/12
(11) EP3267733
(21) EP17163472.8
(47) 07.08.2019
(22) 01.11.2012
(54) METHOD AND APPARATUS FOR DETERMINING CONTROL CHANNEL SEARCH SPACE
(73) Huawei Technologies Co., Ltd.
(72) TANG, Zhenfei

(51) H04W 48/16
H04W 48/08
H04W 48/12
(11) EP3222086
(21) EP14906364.6
(47) 07.08.2019
(87) SE2014051390
26.05.2016
(22) 20.11.2014

(54) METHODS AND APPARATUS FOR VERIFYING SYSTEM INFORMATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) HESSLER, Martin
ERIKSSON, Erik
FRENGER, Pål
(51) H04W 48/16
H04W 88/08
(11) EP3231223
(21) EP14907856.0
(47) 07.08.2019
(87) CN2014093228
16.06.2016
(22) 08.12.2014
(54) METHOD FOR FACILITATING NETWORK IDENTIFICATION, ACCESS NODE, METHOD FOR NETWORK IDENTIFICATION AND USER EQUIPMENT
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LI, Gen
IRNICH, Tim
(51) H04W 48/18
H04W 8/12
H04W 60/04
H04W 84/04
(11) EP2953405
(21) EP15170901.1
(47) 07.08.2019
(22) 05.06.2015
(54) METHOD, NON-TRANSITORY TANGIBLE MEDIA AND APPARATUS FOR SMALL CELL GATEWAY CORE NETWORK SELECTION IN A MULTI-OPERATOR CORE NETWORK ENVIRONMENT
(73) Cisco Technology, Inc.
(72) GOREY, Kevin L
GRAYSON, Mark
PATIL, Santosh Ramrao
(31) 201414297222
(32) 05.06.2014
(33) United States of America
(51) H04W 48/18
H04W 48/12
H04W 48/16
H04W 84/12
H04W 36/22
H04W 48/06
(11) EP3349512
(21) EP18158298.2
(47) 07.08.2019
(22) 17.01.2014
(54) COMMUNICATION CONTROL METHOD AND USER TERMINAL FOR PERFORMING AN OFFLOAD IN A WIRELESS MOBILE TELECOMMUNICATIONS SYSTEM
(73) Kyocera Corporation
(72) CHANG, Henry
NAGASAKA, Yushi
MORITA, Kugo
TONG, Fangwei
FUJISHIRO, Masato
YAMAZAKI, Chiharu
ADACHI, Hiroyuki
FUKUTA, Noriyoshi
(31) 201361754106 P
201361864206 P
(32) 18.01.2013
09.08.2013
(33) United States of America
United States of America
(51) H04W 48/18
H04W 48/16
H04W 4/70
(11) EP2944122
(21) EP13870907.6
(47) 07.08.2019
(87) SE2013050756
17.07.2014
(22) 24.06.2013
(54) NETWORK-CONTROLLED NETWORK SELECTION PROCEDURE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) FRENGER, Pål
ERIKSSON, Erik
BERGMAN, Johan
(31) 201361750431 P
(32) 09.01.2013
(33) United States of America
(51) H04W 48/20
(11) EP3089529
(21) EP14875045.8
(47) 07.08.2019
(87) JP2014083071
02.07.2015
(22) 15.12.2014
(54) USER TERMINAL AND WIRELESS COMMUNICATION METHOD
(73) NTT DOCOMO, INC.
(72) TAKEDA, Kazuki
TAKEDA, Kazuaki
UCHINO, Tooru
NAGATA, Satoshi
(31) 2013268333
(32) 26.12.2013
(33) Japan
(51) H04W 48/20
H04W 36/30
H04W 84/04
(11) EP3319370
(21) EP15901908.2
(47) 07.08.2019
(87) CN2015087816
02.03.2017
(22) 21.08.2015
(54) METHOD AND APPARATUS FOR ESTABLISHING WIRELESS BACKHAUL CONNECTION
(73) Huawei Technologies Co., Ltd.
(72) LUO, Zezhou
ZHUANG, Hongcheng
(51) H04W 52/02
(11) EP2805550
(21) EP12705870.9
(47) 07.08.2019
(87) EP2012053238
06.09.2013
(22) 27.02.2012
(54) METHOD FOR CONTROLLING NETWORK ENERGY SAVING IN A WIRELESS COMMUNICATION SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) OLOFSSON, Henrik
LEGG, Peter
EDLER, Tomas
(51) H04W 52/02
H04L 12/12
H04W 28/02
H04W 84/12
(11) EP3087785
(21) EP14821611.2
(47) 07.08.2019
(87) EP2014078593
02.07.2015
(22) 18.12.2014
(54) TRANSMISSION SYSTEM INCLUDING FIRST AND SECOND BRIDGE DEVICES
(73) Sagemcom Broadband SAS
(72) DANGY-CAYE, Nicolas
(31) 1363616
(32) 26.12.2013
(33) France
(51) H04W 52/02
H04L 12/58
H04L 12/725
H04W 4/12
H04W 76/14
H04L 29/08
H04L 29/06
(11) EP3086578
(21) EP15192980.9
(47) 07.08.2019
(22) 04.11.2015
(54) APPARATUS AND METHOD FOR WEBRTC IN A MOBILE DEVICE
(73) Samsung Electronics Co., Ltd.
(72) CHOI, Minseok
LIU, Chin-Jung
(31) 201514691041
(32) 20.04.2015
(33) United States of America
(51) H04W 52/02
H04L 29/08
H04L 12/703
H04L 29/12
H04W 76/28
H04W 40/00
H04W 76/25
H04L 12/751
(11) EP3016448
(21) EP15169728.1
(47) 07.08.2019
(22) 28.05.2015
(54) METHOD FOR KEEPING REMOTE CONNECTION AND ELECTRONIC DEVICE
(73) Acer Incorporated
(72) YU, Shih-Hsien
YANG, Yu-Ren
(31) 103137838
(32) 31.10.2014
(33) Taiwan, Province of China
(51) H04W 52/02
H04W 56/00
H04W 40/00
H04W 28/02
H04W 84/12
H04W 84/18
H04W 40/24
H04W 40/08
H04W 40/12
(11) EP3320725

(21) EP16736861.2
(47) 07.08.2019
(87) EP2016066189
19.01.2017
(22) 07.07.2016
(54) ENHANCED POWER REDUCTION IN MESH NETWORKS
(73) TerraNet AB
(72) PETERSEN, Johan
AL JABERI, Monthadar
(31) 201514796054
(32) 10.07.2015
(33) United States of America

(51) H04W 52/02
H04W 76/28
(11) EP2158779
(21) EP08790558.4
(47) 07.08.2019
(87) JP2008061371
24.12.2008
(22) 16.06.2008
(54) DISCONTINUOUS RECEPTION IN A MOBILE RADIO COMMUNICATIONS NETWORK
(73) NEC Corporation
(72) REN, Weili
(31) 0711737
(32) 18.06.2007
(33) United Kingdom

(51) H04W 52/02
H04W 76/28
H04W 72/00
H04W 72/04
H04L 1/18
(11) EP3300434
(21) EP15894636.8
(47) 07.08.2019
(87) CN2015081252
15.12.2016
(22) 11.06.2015
(54) DRX IMPLEMENTATION METHOD, CONFIGURATION METHOD AND RELEVANT DEVICE
(73) Huawei Technologies Co., Ltd.
(72) QUAN, Wei
MIAO, Jinhua
YANG, Xiaodong
ZHANG, Jian
LI, Bingzhao
HU, Zhenxing

(51) H04W 52/02
H04W 88/06
H04L 12/26
H04L 29/08
H04B 1/713
H04W 24/08
H04W 4/70
H04W 74/04
H04W 76/20
(11) EP3255931
(21) EP16305665.8
(47) 07.08.2019
(22) 07.06.2016
(54) CONFIGURING WIRELESS COMMUNICATIONS AND AN ADVERTISING EVENT ACCORDING TO MULTIPLE COMMUNICATION PROTOCOLS
(73) NXP B.V.
(72) LI, Hong
RIVIÈRE, Fabian
GRAY, Christopher John

(51) H04W 52/24
H04W 52/14
H04W 52/28
(11) EP3011781
(21) EP14740042.8
(47) 07.08.2019
(87) US2014043353
24.12.2014
(22) 20.06.2014
(54) METHOD AND NETWORK ENTITY FOR REDUCING INTER-NETWORK INTERFERENCE
(73) Google Technology Holdings LLC
(72) SCHWENT, Dale, G.
LOVE, Robert, T.
(31) 201361837264 P
201314135150
(32) 20.06.2013
19.12.2013
(33) United States of America
United States of America

(51) H04W 52/24
H04W 52/14
H04W 52/34
H04W 52/36
H04W 84/04
H04W 88/08
H04W 16/16
H04W 48/00
H04W 52/22
H04J 13/00
H04W 24/02
(11) EP2663133
(21) EP13179527.0
(47) 07.08.2019
(22) 01.02.2008
(54) A method and base station to control access point transmit power
(73) Cisco Technology, Inc.
(72) Carter, Alan
Whittaker, Stephen
Maida, Aminu Wada
(31) 0702094
(32) 02.02.2007
(33) United Kingdom

(51) H04W 52/52
H03G 3/30
H04B 17/13
G01S 7/03
H03F 3/19
H03F 3/195
H03F 3/24
H03F 3/45
H03F 1/30
H04B 17/00
(11) EP3119137
(21) EP16176828.8
(47) 07.08.2019
(22) 29.06.2016
(54) POWER CONTROLLABLE WIRELESS COMMUNICATION DEVICE
(73) DENSO Corporation
(72) TAKADA, Yusuke
KUSUNOKI, Mitsugu
OKAZAKI, Takao
MATSUMOTO, Takashi
MOCHIDUKI, Kenta
(31) 2015143286
(32) 17.07.2015
(33) Japan

(51) H04W 56/00
(11) EP2489135
(21) EP10773451.9
(47) 07.08.2019
(87) US2010052539
21.04.2011
(22) 13.10.2010
(54) REPORTING OF TIMING INFORMATION TO SUPPORT DOWNLINK DATA TRANSMISSION
(73) Qualcomm Incorporated
(72) ZHANG, Xiaoxia
LUO, Tao
(31) 251225 P
903050
(32) 13.10.2009
12.10.2010
(33) United States of America
United States of America

(51) H04W 56/00
(11) EP3343986
(21) EP18158241.2
(47) 07.08.2019
(22) 03.06.2013
(54) UPLINK TIMING ADJUSTMENT UPON TIME ALIGNMENT TIMER EXPIRY
(73) BlackBerry Limited
(72) SUZUKI, Takashi
EARNSHAW, Andrew, Mark
CAI, Zhijun
(31) 201261706689 P
(32) 27.09.2012
(33) United States of America

(51) H04W 56/00
H04W 72/00
(11) EP3046376
(21) EP13895831.9
(47) 07.08.2019
(87) CN2013085970
30.04.2015
(22) 25.10.2013
(54) METHOD AND DEVICE FOR DEVICE-TO-DEVICE (D2D) COMMUNICATION
(73) Huawei Device Co., Ltd.
(72) WANG, Jian

(51) H04W 56/00
H04W 88/02
H04L 5/00
H04W 48/16
H04W 8/00
H04L 27/26
H04B 7/26
(11) EP3206446
(21) EP15848254.7
(47) 07.08.2019
(87) KR2015010605
14.04.2016
(22) 07.10.2015
(54) METHOD FOR TRANSMITTING SYNCHRONIZATION SIGNAL FOR DEVICE-TO-DEVICE COMMUNICATION

IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS THEREFOR
(73) LG Electronics Inc.
(72) SEO, Hanbyul
(31) 201462061084 P
(32) 07.10.2014
(33) United States of America

(51) H04W 56/00
H04W 92/18
(11) EP3157294
(21) EP15805785.1
(47) 07.08.2019
(87) KR2015005762
17.12.2015
(22) 09.06.2015
(54) METHOD FOR CONTROLLING TIMING ADVANCE FOR DIRECT COMMUNICATION BETWEEN TERMINALS IN WIRELESS COMMUNICATION SYSTEM, AND APPARATUS THEREFOR
(73) LG Electronics Inc.
(72) SEO, Hanbyul
JUNG, Sunghoon
(31) 201462010437 P
(32) 10.06.2014
(33) United States of America

(51) H04W 60/00
(11) EP2487956
(21) EP10788852.1
(47) 07.08.2019
(87) CN2010073482
23.12.2010
(22) 02.06.2010
(54) NETWORK REPLACEMENT METHOD, CELL AND SYSTEM
(73) ZTE Corporation
(72) LIU, Fulei
(31) 200910180246
(32) 10.10.2009
(33) China

(51) H04W 60/00
H04W 8/00
(11) EP3424248
(21) EP17729448.5
(47) 07.08.2019
(87) EP2017063838
28.12.2017
(22) 07.06.2017
(54) ALLOCATION OF ALLOWED REGISTERED AREA
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) RAMLE, Peter
KARLSSON, Josefin
OLSSON, Lasse
(31) 201662352271 P
(32) 20.06.2016
(33) United States of America

(51) H04W 60/04
H04W 64/00
H04W 84/04
(11) EP2845425
(21) EP13724183.2
(47) 07.08.2019
(87) EP2013059135
07.11.2013
(22) 02.05.2013
(54) METHOD FOR USING A FEMTOCELL BASE STATION AND A USER EQUIPMENT IN A PUBLIC LAND MOBILE NETWORK, FEMTOCELL BASE STATION, PROGRAM AND COMPUTER PROGRAM PRODUCT
(73) T-Mobile Czech Republic A.S.
(72) BOHAT¬, David
(31) 12003456
(32) 04.05.2012
(33) European Patent Office (EPO)

(51) H04W 64/00
H04W 4/02
G01S 5/02
H04W 48/18
H04W 36/38
(11) EP2441303
(21) EP10775643.9
(47) 07.08.2019
(87) US2010035010
18.11.2010
(22) 14.05.2010
(54) FACILITY FOR SELECTING A MOBILE DEVICE LOCATION DETERMINATION TECHNIQUE
(73) T-Mobile USA, Inc.
(72) ANNAMALAI, Magesh
(31) 467201
(32) 15.05.2009
(33) United States of America

(51) H04W 64/00
H04W 36/38
H04W 36/00
H04W 36/08
H04W 76/18
(11) EP3383106
(21) EP18156926.0
(47) 07.08.2019
(22) 21.03.2014
(54) FORWARD HANDOVER METHODS
(73) Huawei Technologies Co., Ltd.
(72) OLOFSSON, Henrik
CHAI, Li

(51) H04W 64/00
H04W 88/08
G01S 1/20
(11) EP3151606
(21) EP16199799.4
(47) 07.08.2019
(22) 22.02.2012
(54) POSITIONING LOCATION FOR REMOTE RADIO HEADS (RRH) WITH SAME PHYSICAL CELL IDENTITY (PCI)
(73) QUALCOMM Incorporated
(72) JI, Tingfang
PALANKI, Ravi
GAAL, Peter
XU, Hao
WEI, Yongbin
(31) 201161445489 P
201213401696
(32) 22.02.2011
21.02.2012
(33) United States of America
United States of America

(51) H04W 68/00
H04W 4/00
H04W 76/28
(11) EP3412086
(21) EP17704554.9
(47) 07.08.2019
(87) SE2017050079
10.08.2017
(22) 31.01.2017
(54) METHODS OF RELIABLE PAGING TRANSMISSION UNDER UE EDRX
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) KAZMI, Muhammad
SIOMINA, Iana
(31) 201662289725 P
(32) 01.02.2016
(33) United States of America

(51) H04W 68/00
H04W 84/04
(11) EP2436228
(21) EP10723988.1
(47) 07.08.2019
(87) EP2010057120
02.12.2010
(22) 25.05.2010
(54) SYSTEM AND METHOD FOR REDIRECTING A MOBILE DEVICE
(73) InterDigital CE Patent Holdings
(72) YOSHIZAWA, Takahito
(31) 09447025
(32) 28.05.2009
(33) European Patent Office (EPO)

(51) H04W 68/02
H04W 72/04
H04W 72/12
H04W 92/10
(11) EP2135475
(21) EP08732379.6
(47) 07.08.2019
(87) US2008057283
18.09.2008
(22) 17.03.2008
(54) PICH-HS TIMING AND OPERATION
(73) QUALCOMM Incorporated
(72) GHOLMIEH, Aziz
GRILLI, Francesco
CHAPONNIERE, Etienne F.
FLORE, Oronzo
(31) 895141 P
895399 P
48541
(32) 15.03.2007
16.03.2007
14.03.2008
(33) United States of America
United States of America
United States of America

(51) H04W 72/00
H04W 4/06
H04W 72/12
(11) EP2469953
(21) EP10809517.5
(47) 07.08.2019
(87) CN2010074753
24.02.2011
(22) 29.06.2010
(54) MULTIMEDIA BROADCAST MULTICAST SERVICE SCHEDULING AND TRANSMISSION METHOD AND SYSTEM
(73) ZTE Corporation

(72) AI, Jianxun
(31) 200910168549
(32) 18.08.2009
(33) China

(51) H04W 72/00
H04W 74/04
(11) EP3130186
(21) EP15718678.4
(47) 07.08.2019
(87) US2015024066
15.10.2015
(22) 02.04.2015
(54) TECHNIQUES FOR TRANSMITTING PATTERNS OF SIGNAL TRANSMISSIONS OR REFERENCE SIGNALS OVER AN UNLICENSED RADIO FREQUENCY SPECTRUM BAND
(73) Qualcomm Incorporated
(72) ZHANG, Xiaoxia
LUO, Tao
WANG, Jun
(31) 201461978100 P
201514676098
(32) 10.04.2014
01.04.2015
(33) United States of America
United States of America

(51) H04W 72/04
(11) EP3337218
(21) EP16206962.9
(47) 07.08.2019
(22) 27.12.2016
(54) METHOD AND APPARATUS OF MITIGATING INTERFERENCE IN A HETEROGENEOUS NETWORK USING AN INTER-CELL INTERFERENCE COORDINATION
(73) Industrial Technology Research Institute
(72) HUANG, Jen-Feng
LIANG, Ching-Feng
LIN, You-En
(31) 201615379113
(32) 14.12.2016
(33) United States of America

(51) H04W 72/04
H04B 7/024
H04J 11/00
(11) EP3185629
(21) EP14899974.1
(47) 07.08.2019
(87) CN2014084832
25.02.2016
(22) 20.08.2014
(54) WIRELESS COMMUNICATION METHOD, DEVICE AND BASE STATION
(73) Huawei Technologies Co., Ltd.
(72) LIU, Sheng

(51) H04W 72/04
H04L 1/00
H04W 72/14
(11) EP3132639
(21) EP14727961.6
(47) 07.08.2019
(87) SE2014050461
22.10.2015
(22) 14.04.2014
(54) IMPROVED TRANSMISSION AND DECODING IN A WIRELESS NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) HÖGLUND, Andreas
STATTIN, Magnus
FURUSKÄR, Anders

(51) H04W 72/04
H04W 4/06
(11) EP2179621
(21) EP08724271.5
(47) 07.08.2019
(87) SE2008050324
26.02.2009
(22) 25.03.2008
(54) NUMBERING OF RADIO FREQUENCY CHANNELS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) QUESETH, Olav
KAZMI, Muhammad
SKÖLD, Johan
(31) 0701890
(32) 17.08.2007
(33) Sweden

(51) H04W 72/04
H04W 28/04
(11) EP2807888
(21) EP13741464.5
(47) 07.08.2019
(87) JP2013000403
01.08.2013
(22) 25.01.2013
(54) DEVICES FOR RECONFIGURING UPLINK AND DOWNLINK ALLOCATIONS
(73) Sharp Kabushiki Kaisha
(72) YIN, Zhanping
YAMADA, Shohei
(31) 201213360572
(32) 27.01.2012
(33) United States of America

(51) H04W 72/04
H04W 52/02
H04W 74/04
H04W 74/00
(11) EP2850900
(21) EP13809035.2
(47) 07.08.2019
(87) CN2013077966
03.01.2014
(22) 26.06.2013
(54) SYSTEM AND METHOD FOR ALLOCATING PERIODIC RESOURCES
(73) Huawei Technologies Co., Ltd.
(72) KWON, Young Hoon
YANG, Yunsong
RONG, Zhigang
(31) 201261664455 P
201313925365
(32) 26.06.2012
24.06.2013
(33) United States of America
United States of America

(51) H04W 72/04
H04W 92/20
(11) EP2975893
(21) EP14762365.6
(47) 07.08.2019
(87) JP2014056480
18.09.2014
(22) 12.03.2014
(54) WIRELESS COMMUNICATION SYSTEM, BASE STATION DEVICE AND WIRELESS COMMUNICATION METHOD FOR PERFORMING DUAL CONNECT
(73) Sharp Kabushiki Kaisha
(72) KATO Yasuyuki
UEMURA, Katsunari
TSUBOI, Hidekazu
(31) 2013049799
(32) 13.03.2013
(33) Japan

(51) H04W 72/10
H04W 4/00
H04W 52/02
H04W 74/08
H04W 84/18
H04W 84/12
(11) EP3235318
(21) EP14908529.2
(47) 07.08.2019
(87) SE2014051552
23.06.2016
(22) 19.12.2014
(54) FIRST RADIO CAPABLE DEVICE, ACCESS POINT AND METHODS FOR HANDLING ACCESS TO A WIRELESS MEDIUM
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) DEL CARPIO VEGA, Luis Felipe
LARMO, Anna
YILMAZ, Osman Nuri Can

(51) H04W 72/12
(11) EP3232724
(21) EP17167337.9
(47) 07.08.2019
(22) 20.06.2011
(54) METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATION APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
(73) HFI Innovation Inc.
(72) WU, Ciou-Ping
HWANG, Chien-Hwa
CHANG, Yu-Hao
(31) 356092 P
356090 P
356727 P
388681 P
408868 P
(32) 18.06.2010
18.06.2010
21.06.2010
01.10.2010
01.11.2010
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) H04W 72/12
G06F 9/38
(11) EP3103302
(21) EP15746535.2
(47) 07.08.2019
(87) US2015014064
13.08.2015
(22) 02.02.2015

(54) METHOD AND APPARATUS FOR ENABLING A PROCESSOR TO GENERATE PIPELINE CONTROL SIGNALS
(73) Optimum Semiconductor Technologies Inc.
(72) GLOSSNER, C., John
NACER, Gary, J.
SENTHILVELAN, Murugappan
KALASHNIKOV, Vitaly
HOANE, Arthur, J.
D'ARCY, Paul
IANCU, Sabin, D.
WANG, Shenghong
(31) 201461936428 P
201414539104
(32) 06.02.2014
12.11.2014
(33) United States of America
United States of America

(51) H04W 72/12
H04W 24/10
(11) EP2382813
(21) EP10736016.6
(47) 07.08.2019
(87) KR2010000513
05.08.2010
(22) 28.01.2010
(54) A METHOD OF REPORTING AN AGGREGATED MEASUREMENT IN WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) JUNG, Sung-Hoon
CHUN, Sung-Duck
YI, Seung-June
LEE, Young-Dae
PARK, Sung-Jun
(31) 148370 P
20100007582
(32) 29.01.2009
27.01.2010
(33) United States of America
Korea (Republic)

(51) H04W 72/12
H04W 28/02
(11) EP3449683
(21) EP18717158.2
(47) 07.08.2019
(87) US2018023008
20.09.2018
(22) 16.03.2018
(54) TRUNCATED BUFFER STATUS REPORTING
(73) Ofinno, LLC
(72) BABAEI, Alireza
DINAN, Esmael
(31) 201762472029 P
(32) 16.03.2017
(33) United States of America

(51) H04W 72/12
H04W 74/00
H04W 74/02
(11) EP3308587
(21) EP15727996.9
(47) 07.08.2019
(87) EP2015063039
15.12.2016
(22) 11.06.2015
(54) ENABLING TIME-OVERLAPPING COMMUNICATION USING CSMA/CA AND OFDMA
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) WILHELMSSON, Leif

(51) H04W 72/12
H04W 76/10
(11) EP2993951
(21) EP15183512.1
(47) 07.08.2019
(22) 02.09.2015
(54) METHOD AND APPARATUS FOR IMPROVING DOWNLINK CONTROL INFORMATION, DCI, IN A WIRELESS COMMUNICATION SYSTEM
(73) ASUSTeK Computer Inc.
(72) LI, Ming-Che
GUO, Yu-Hsuan
CHANG, Wei-Che
(31) 201462046464 P
201514829363
(32) 05.09.2014
18.08.2015
(33) United States of America
United States of America

(51) H04W 74/00
(11) EP3407660
(21) EP18165359.3
(47) 07.08.2019
(22) 02.04.2018
(54) METHOD AND APPARATUS FOR MONITORING PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) IN A WIRELESS COMMUNICATION SYSTEM
(73) ASUSTek Computer Inc.
(72) CHEN, I-Jen
KUO, Richard Lee-Chee
(31) 201762511093 P
(32) 25.05.2017
(33) United States of America

(51) H04W 74/00
H04L 1/00
H04W 4/00
H04W 28/02
H04W 72/00
H04W 72/12
H04W 74/08
H04W 4/70
(11) EP2929746
(21) EP12799667.6
(47) 07.08.2019
(87) SE2012051339
12.06.2014
(22) 04.12.2012
(54) OVERLOAD CONTROL IN A COMMUNICATION NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) RUNE, Johan

(51) H04W 74/00
H04W 4/02
H04W 72/02
H04L 29/06
H04W 76/27
H04L 29/08
(11) EP3070909
(21) EP16000495.8
(47) 07.08.2019
(22) 01.03.2016
(54) SYNCHRONIZATION OF AN APPARATUS WITH TWO GROUPS OF COMMUNICATION APPARATUSES AND EXCHANGE OF DATA
(73) Canon Kabushiki Kaisha
(72) AOKI, Hitoshi
(31) 2015055352
(32) 18.03.2015
(33) Japan

(51) H04W 74/04
H04W 72/04
(11) EP2863697
(21) EP13804557.0
(47) 07.08.2019
(87) CN2013076984
19.12.2013
(22) 08.06.2013
(54) METHOD, DEVICE, AND COMMUNICATION FOR TRANSMISSION CONTROL
(73) Huawei Technologies Co., Ltd.
(72) LI, Yang
CHEN, Xiaobo
LV, Yongxia
(31) 201210197939
(32) 15.06.2012
(33) China

(51) H04W 74/06
H04W 68/00
H04W 72/04
H04W 84/18
H04W 68/02
(11) EP3231244
(21) EP15825680.0
(47) 07.08.2019
(87) US2015064554
16.06.2016
(22) 08.12.2015
(54) TRAFFIC ADVERTISEMENT IN NEIGHBOR AWARE NETWORK (NAN) DATA PATH
(73) Qualcomm Incorporated
(72) PATIL, Abhishek Pramod
ABRAHAM, Santosh Paul
RAISSINIA, Alireza
CHERIAN, George
(31) 201462091081 P
201562129536 P
201562165106 P
201562195257 P
201514959949
(32) 12.12.2014
06.03.2015
21.05.2015
21.07.2015
04.12.2015
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) H04W 74/08
H04W 52/02
(11) EP3449686
(21) EP16721972.4
(47) 07.08.2019
(87) SE2016050375
02.11.2017

(22) 28.04.2016
(54) A FIRST COMMUNICATIONS DEVICE AND METHOD THEREIN FOR TRANSMITTING DATA TO A SECOND COMMUNICATIONS DEVICE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SUNDMAN, Dennis
LOPEZ, Miquel
SHARIATI, Nafiseh
NILSSON, Thomas

(51) H04W 74/08
H04W 72/00
(11) EP2294837
(21) EP08768586.3
(47) 07.08.2019
(87) US2008007593
23.12.2009
(22) 18.06.2008
(54) CONTENTION-BASED MEDIUM RESERVATION METHODS AND APPARATA FOR MULTICAST TRANSMISSIONS IN WIRELESS LOCAL AREA NETWORKS
(73) InterDigital CE Patent Holdings
(72) LIU, Hang
MANDREKAR, Ishan
WU, Mingquan
PERUMANAM, Ramkumar
MATHUR, Saurabh

(51) H04W 74/08
H04W 84/12
(11) EP3314971
(21) EP16729592.2
(47) 07.08.2019
(87) EP2016064005
29.12.2016
(22) 17.06.2016
(54) EMISSION OF A SIGNAL IN UNUSED RESOURCE UNITS TO INCREASE ENERGY DETECTION OF AN 802.11 CHANNEL
(73) Canon Kabushiki Kaisha
(72) VIGER, Pascal
NEZOU, Patrice
BARON, Stéphane
GUIGNARD, Romain
(31) 201511149
(32) 24.06.2015
(33) United Kingdom

(51) H04W 76/10
H04W 48/02
(11) EP2523366
(21) EP11731935.0
(47) 07.08.2019
(87) KR2011000096
14.07.2011
(22) 06.01.2011
(54) MACHINE TYPE COMMUNICATION SYSTEM
(73) Electronics and Telecommunications Research Institute
(72) LEE, Kook Jin
KIM, Jae Heung
AHN, Jae-Young
(31) 20100089939
20100075487
20100040482
20100028385
20100000846
(32) 14.09.2010
05.08.2010
30.04.2010
30.03.2010
06.01.2010
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) H04W 76/14
(11) EP3319393
(21) EP16197546.1
(47) 07.08.2019
(22) 07.11.2016
(54) ESTABLISHING A CONNECTION BETWEEN A REMOTE USER EQUIPMENT, UE, AND A TELECOMMUNICATION NETWORK VIA A RELAY CAPABLE UE
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
Koninklijke KPN N.V.
(72) Dimitrovski, Toni
Norp, Antonius
Djurica, Miodrag

(51) H04W 76/14
H04W 72/08
H04W 76/23
(11) EP2862409
(21) EP13732321.8
(47) 07.08.2019
(87) US2013045544
19.12.2013
(22) 13.06.2013
(54) METHOD AND APPARATUS FOR OPPORTUNISTIC OFFLOADING OF NETWORK COMMUNICATIONS TO DEVICE-TO-DEVICE COMMUNICATION
(73) Alcatel Lucent
(72) ZOU, Jialin
VASUDEVAN, Subramanian
(31) 201213523521
(32) 14.06.2012
(33) United States of America

(51) H04W 76/16
H04W 40/02
H04W 28/08
H04L 12/707
H04W 88/06
(11) EP3065499
(21) EP16158594.8
(47) 07.08.2019
(22) 04.03.2016
(54) MULTIPATH INTERFACES IN NEW SCENARIOS
(73) Nokia Technologies Oy
(72) RINNE, Mika
KEKKI, Sami
ISOMÄKI, Markus
(31) 201514638545
(32) 04.03.2015
(33) United States of America

(51) H04W 76/19
H04W 76/11
H04L 29/12
H04L 29/08
(11) EP3150020
(21) EP14737050.6
(47) 07.08.2019
(87) SE2014050669
10.12.2015
(22) 02.06.2014
(54) RE-ESTABLISHMENT OF A FAILED COMMUNICATION SESSION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ERIKSSON, Hans

(51) H04W 76/27
H04W 28/08
H04W 8/06
H04W 24/04
H04W 36/14
H04W 36/00
(11) EP3180943
(21) EP15831896.4
(47) 07.08.2019
(87) KR2015008530
18.02.2016
(22) 13.08.2015
(54) METHODS AND APPARATUSES FOR SELECTING A DEDICATED CORE NETWORK
(73) Samsung Electronics Co., Ltd
(72) JEONG, Sangsoo
WON, Sung Hwan
LEE, Hyojin
CHOI, Seunghoon
OH, Jinyoung
JI, Hyoungju
KIM, Younsun
SHIN, Cheolkyu
KIM, Donghan
NOH, Hoondong
(31) 201462037312 P
20150108372
(32) 14.08.2014
30.07.2015
(33) United States of America
Korea (Republic)

(51) H04W 76/28
(11) EP2638773
(21) EP11782107.4
(47) 07.08.2019
(87) EP2011069471
18.05.2012
(22) 04.11.2011
(54) RELEASING WIRELESS RESOURCES
(73) BlackBerry Limited
(72) ANDERSON, Nicholas William
YOUNG, Gordon Peter
BURBIDGE, Richard Charles
(31) 942007
(32) 08.11.2010
(33) United States of America

(51) H04W 84/00
H04B 17/318
H04W 76/34
(11) EP3314919
(21) EP16732398.9
(47) 07.08.2019
(87) US2016036239
29.12.2016
(22) 07.06.2016
(54) WIRELESS CONNECTION MANAGEMENT

(73) Harman International Industries, Incorporated
(72) SUNAGAR, Praveen
RANGANATHAN, Mohan Krishna
(31) 201514748060
(32) 23.06.2015
(33) United States of America

(51) H04W 84/04
H04L 12/751
H04L 12/911
H04L 12/717
H04L 12/24
(11) EP3261305
(21) EP17177165.2
(47) 07.08.2019
(22) 21.06.2017
(54) METHOD OF SHARING NETWORK RESOURCE AND NETWORK COORDINATION APPARATUS
(73) Industrial Technology Research Institute
(72) CHANG, Hsien-Wen
LAI, Chia-Lin
TALAT, Samer T.
CHUNDRIGAR, Shahzoob Bilal
CHIEN, Hsu-Tung
(31) 201662353598 P
106113063
(32) 23.06.2016
19.04.2017
(33) United States of America
Taiwan, Province of China

(51) H04W 84/04
H04W 92/12
H04W 92/20
(11) EP2716129
(21) EP11785158.4
(47) 07.08.2019
(87) SE2011051303
06.12.2012
(22) 01.11.2011
(54) CARRIER AGGREGATION SUPPORT FOR HOME BASE STATIONS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) CENTONZA, Angelo
MILDH, Gunnar
GUNNARSSON, Fredrik
TEYEB, Oumer
FADAKI, Mojgan
JOHANSSON, Niklas
(31) 201161493112 P
(32) 03.06.2011
(33) United States of America

(51) H04W 84/18
H04L 5/14
H04L 12/743
H04L 12/18
(11) EP2894812
(21) EP14199915.1
(47) 07.08.2019
(22) 22.12.2014
(54) Method and apparatus for establishing a virtual interface for a set of mutual-listener devices
(73) Cisco Technology, Inc.
(72) Solis, Ignacio
(31) 201414155125
(32) 14.01.2014
(33) United States of America

(51) H04W 88/18
H04W 28/02
H04L 29/08
H04W 4/00
H04W 88/08
H04W 40/02
(11) EP2717538
(21) EP12874308.5
(47) 07.08.2019
(87) CN2012073666
17.10.2013
(22) 09.04.2012
(54) COMMUNICATION METHOD AND SYSTEM, ACCESS NETWORK DEVICE, AND APPLICATION SERVER
(73) Huawei Technologies Co., Ltd.
(72) LV, Xinyan
XING, Feng

(51) H04W 92/02
H04W 4/02
(11) EP2773138
(21) EP12844400.7
(47) 07.08.2019
(87) CN2012082566
02.05.2013
(22) 08.10.2012
(54) SYSTEM AND METHOD FOR ACQUIRING USER LOCATION THROUGH USER BEARER IDENTIFIER
(73) ZTE Corporation
(72) HAO, Zhenwu
FU, Tao
SHEN, Min
JIANG, Hong
(31) 201110325808
(32) 24.10.2011
(33) China

(51) H05B 1/02
F24H 1/50
H05B 3/26
(11) EP3145273
(21) EP16188807.8
(47) 07.08.2019
(22) 14.09.2016
(54) HEATING DEVICE FOR HEATING WATER AND A METHOD FOR OPERATING SUCH A HEATING DEVICE
(73) E.G.O. Elektro-Gerätebau GmbH
(72) Block, Volker
Eigl, Sebastian
Köbrich, Holger
Mandl, Matthias
Mühlnikel, Roland
Robin, Bernd
Schmieder, Manuel
Suß, Alfred
Tafferner, Michael
(31) 102015218120
102015218121
(32) 21.09.2015
21.09.2015
(33) Germany
Germany

(51) H05B 3/06
H05B 3/48
H05B 3/08
(11) EP3282814
(21) EP16776724.3
(47) 07.08.2019
(87) JP2016061647
13.10.2016
(22) 11.04.2016
(54) HEATER
(73) Kyocera Corporation
(72) YOSHIDOME, Hideaki
(31) 2015081106
(32) 10.04.2015
(33) Japan

(51) H05B 3/50
(11) EP3295768
(21) EP16718714.5
(47) 07.08.2019
(87) EP2016059434
17.11.2016
(22) 27.04.2016
(54) HEATING DEVICE FOR HEATING THE VEHICLE INTERIOR OF A MOTOR VEHICLE
(73) Mahle International GmbH
(72) BAUMANN, Tobias
PITZ, Eric
LIU, Wenqing
(31) 102015208858
(32) 13.05.2015
(33) Germany

(51) H05B 3/56
(11) EP2820916
(21) EP13720043.2
(47) 07.08.2019
(87) IB2013051646
06.09.2013
(22) 01.03.2013
(54) ELECTRIC HEATING CABLE FOR THE DEFROSTING OF DOMESTIC REFRIGERATORS
(73) I.R.C.A. S.p.A. Industria Resistenze Corazzate e Affini
(72) ZOPPAS, Federico
MARSONI, Alessandro
DAL COL, Ivano
BURIOLA, Ivan
(31) RM20120078
(32) 02.03.2012
(33) Italy

(51) H05B 6/06
(11) EP3066888
(21) EP14806727.5
(47) 07.08.2019
(87) IB2014065630
14.05.2015
(22) 27.10.2014
(54) INDUCTION HOB DEVICE
(73) BSH Hausgeräte GmbH
(72) BLASCO RUEDA, Nicolas
GARCIA-IZQUIERDO GANGO, Oscar
GARDE ARANDA, Ignacio
GRACIA CAMPOS, Oscar
HERNANDEZ BLASCO, Pablo Jesus
PALACIOS TOMAS, Daniel
(31) 201331611
(32) 05.11.2013
(33) Spain

(51) H05B 6/10
F24F 6/02
(11) EP2578057
(21) EP11725586.9
(47) 07.08.2019

(87) US2011039021
08.12.2011
(22) 03.06.2011
(54) INDUCTIVE HEATER HUMIDIFIER
(73) Watlow Electric Manufacturing Company
(72) SWANSON, Cal
(31) 794571
(32) 04.06.2010
(33) United States of America

(51) H05B 6/12
(11) EP2950613
(21) EP14169776.3
(47) 07.08.2019
(22) 26.05.2014
(54) Induction coil assembly and induction hob comprising an induction coil assembly
(73) Electrolux Appliances Aktiebolag
(72) Viroli, Alex
Milanesi, Filippo
Häutle, Ulrich
Glänzer, Bernd
Kallert, Uwe

(51) H05B 6/12
(11) EP3334249
(21) EP17201765.9
(47) 07.08.2019
(22) 15.11.2017
(54) A SPACER WITH AN INDUCTION COIL OF AN INDUCTION HOB
(73) GORENJE gospodinjski aparati d.d.
(72) KRECA, Marko
KLAUZAR, Benjamin
MLINARIC , Gregor
VIVOD, Milan
DJUKIC , Drazen
(31) 201600299
(32) 12.12.2016
(33) Slovenia

(51) H05B 6/64
F24C 7/02
F24C 15/02
(11) EP3295086
(21) EP16811914.7
(47) 07.08.2019
(87) KR2016006330
22.12.2016
(22) 15.06.2016
(54) COOKING APPLIANCE
(73) Samsung Electronics Co., Ltd.
(72) HAM, Hyung Kwen
PARK, Nam Soo
LEE, Jea Won
(31) 20150087629
(32) 19.06.2015
(33) Korea (Republic)

(51) H05B 33/08
(11) EP2523534
(21) EP12166091.4
(47) 07.08.2019
(22) 28.04.2012
(54) Apparatus and methods for tuning of emitter with multiple LEDs to a single color bin
(73) Ledengin, Inc.
(72) Yan, Xiantao
Lee, Kachun
Mei, Zequn
(31) 201113106808
201113106810
(32) 12.05.2011
12.05.2011
(33) United States of America
United States of America

(51) H05B 33/08
(11) EP2837260
(21) EP13725047.8
(47) 07.08.2019
(87) AT2013000067
17.10.2013
(22) 15.04.2013
(54) TRANSFORMER FOR A LAMP, LED CONVERTER, AND LLC RESONANT TRANSFORMER OPERATION METHOD
(73) Tridonic GmbH & Co. KG
(72) VONACH, Christoph
(31) 1462012 U
102012007451
(32) 13.04.2012
13.04.2012
(33) Austria
Germany

(51) H05B 33/08
H02M 1/08
H02M 3/335
F02P 3/08
H05B 41/24
H02M 1/00
(11) EP2734010
(21) EP12192786.7
(47) 07.08.2019
(22) 15.11.2012
(54) Supply voltage management
(73) Dialog Semiconductor GmbH
(72) Knoedgen, Horst

(51) H05B 33/08
H02M 3/157
H02M 3/158
(11) EP2648483
(21) EP12368008.4
(47) 07.08.2019
(22) 06.04.2012
(54) Method of preventing spurious ringing during discontinuous conduction mode in inductive boost converters for white LED drivers
(73) Dialog Semiconductor GmbH
(72) Cavalini, Pier

(51) H05B 33/08
H05B 37/02
(11) EP3264863
(21) EP17175189.4
(47) 07.08.2019
(22) 09.06.2017
(54) METHOD FOR PROVIDING POWER TO CONSUMERS
(73) Frensch GmbH
(72) Fink, Marc
(31) 102016007095
(32) 10.06.2016
(33) Germany

(51) H05B 37/02
(11) EP2393342
(21) EP10290301.0
(47) 07.08.2019
(22) 04.06.2010
(54) Network of synchronous standalone ground lights
(73) Picariello, Michel
(72) Picariello, Michel

(51) H05B 37/02
(11) EP2850918
(21) EP12810489.0
(47) 07.08.2019
(87) US2012069322
11.07.2013
(22) 12.12.2012
(54) WIRELESS LIGHT CONTROLLER SYSTEM AND METHOD
(73) Lumenpulse Group Inc.
(72) CAMPBELL, Gregory
SOUVAY, Francois-Xavier
(31) 201213344266
(32) 05.01.2012
(33) United States of America

(51) H05B 37/02
B60Q 1/00
H05B 39/04
H02J 7/14
H02P 9/30
H05B 39/08
(11) EP2665345
(21) EP12777101.2
(47) 07.08.2019
(87) JP2012060252
01.11.2012
(22) 16.04.2012
(54) CONTROL CIRCUIT AND CONTROL METHOD
(73) Shindengen Electric Manufacturing Co., Ltd.
(72) TAKASHIMA, Toyotaka
(31) 2011102388
(32) 28.04.2011
(33) Japan

(51) H05B 37/02
H04W 4/02
(11) EP3135079
(21) EP15718238.7
(47) 07.08.2019
(87) EP2015059056
29.10.2015
(22) 27.04.2015
(54) ZONE BASED LIGHTING ACCESS
(73) Signify Holding B.V.
(72) PANDHARIPANDE, Ashish Vijay
LELKENS, Armand Michel Marie
WANG, Xiangyu
YANG, Hongming
(31) 14165925
(32) 25.04.2014
(33) European Patent Office (EPO)

(51) H05B 37/02
H05B 33/08
(11) EP2820922
(21) EP13715759.0
(47) 07.08.2019
(87) IB2013051368
06.09.2013
(22) 20.02.2013
(54) LED LIGHTING ARRANGEMENT AND METHOD OF CONTROLLING A LED LIGHTING ARRANGEMENT
(73) Signify Holding B.V.
(72) VAN ENDERT, Tony, Petrus
(31) 201261605907 P
12171173

(32) 02.03.2012
07.06.2012
(33) United States of America
European Patent Office (EPO)

(51) H05B 37/02
H05B 33/08
(11) EP3363268
(21) EP16781375.7
(47) 07.08.2019
(87) EP2016074332
20.04.2017
(22) 11.10.2016
(54) LIGHTING ARRANGEMENT, COMPUTER PROGRAM PRODUCT, MOBILE COMMUNICATION DEVICE AND LIGHTING SYSTEM
(73) Signify Holding B.V.
(72) WANG, Wei
ZHANG, Yi
HE, Feng
LIU, Haitao
(31) PCT/CN2015/091986
(32) 15.10.2015
(33) World Intellectual Property Office (WIPO)

(51) H05B 37/02
H05B 33/08
F21S 6/00
(11) EP3211972
(21) EP17151639.6
(47) 07.08.2019
(22) 16.01.2017
(54) FLOOR LAMP COMPRISING A PROGRAMMABLE CONTROL UNIT FOR ENERGY EFFICIENT AND AMBIENT LIGHT DEPENDENT CONTROL OF DIRECT ILLUMINATION AND INDIRECT ILLUMINATION
(73) Alteme Licht AG
(72) Horath, René
(31) 2442016
(32) 25.02.2016
(33) Switzerland

(51) H05B 39/04
H05B 33/08
H02M 5/293
(11) EP2832188
(21) EP13718425.5
(47) 07.08.2019
(87) US2013031085
03.10.2013
(22) 13.03.2013
(54) METHOD AND APPARATUS FOR PHASE-CONTROLLING A LOAD
(73) Lutron Technology Company LLC
(72) HAUSMAN, Donald, F., Jr.
NEWMAN, Robert, C., Jr.
SALVESTRINI, Christopher, J.
(31) 201261616460 P
(32) 28.03.2012
(33) United States of America

(51) H05B 41/28
(11) EP2292079
(21) EP09757317.4
(47) 07.08.2019
(87) EP2009004060
10.12.2009
(22) 05.06.2009
(54) LAMP TYPE DETECTION BY MEANS OF POWER FACTOR CORRECTION CIRCUIT
(73) Tridonic GmbH & Co KG
(72) FINK, Jürgen
(31) 102008027029
(32) 06.06.2008
(33) Germany

(51) H05H 1/24
C23C 16/452
C23C 16/505
H01L 21/31
C23C 16/503
H01J 37/32
(11) EP2755453
(21) EP12829740.5
(47) 07.08.2019
(87) JP2012060630
14.03.2013
(22) 19.04.2012
(54) PLASMA GENERATOR AND CVD DEVICE
(73) Toshiba Mitsubishi-Electric Industrial Systems Corporation
(72) TABATA Yoichiro
WATANABE Kensuke
(31) 2011196908
(32) 09.09.2011
(33) Japan

(51) H05H 13/00
H05H 7/08
(11) EP3024306
(21) EP15192905.6
(47) 07.08.2019
(22) 04.11.2015
(54) HIGH CURRENT CYCLOTRON
(73) ION BEAM APPLICATIONS S.A.
(72) FORTON, Eric
KLEEVEN, Willem
(31) 14193792
(32) 19.11.2014
(33) European Patent Office (EPO)

(51) H05K 5/00
H05K 7/12
(11) EP3235356
(21) EP15817789.9
(47) 07.08.2019
(87) EP2015079837
23.06.2016
(22) 15.12.2015
(54) ELECTRICAL UNIT
(73) Veoneer Sweden AB
(72) HUGAUD, Pascal
MAUGER, Thomas
(31) 1451604
(32) 19.12.2014
(33) Sweden

(51) H05K 5/00
H05K 7/14
H05K 7/20
G06F 1/16
(11) EP3117693
(21) EP15761567.5
(47) 07.08.2019
(87) US2015019975
17.09.2015
(22) 11.03.2015
(54) HYBRID REAR COVER AND MOUNTING BRACKET FOR ELETRONIC DISPLAY
(73) Manufacturing Resources International, Inc.
(72) DUNN, William
DIAZ, Marcos
AZEVEDO, Kyle
(31) 201461951344 P
(32) 11.03.2014
(33) United States of America

(51) H05K 5/02
(11) EP3255966
(21) EP17173993.1
(47) 07.08.2019
(22) 01.06.2017
(54) HOUSING FOR AN ELECTRICAL AND/OR ELECTRONIC DEVICE
(73) WAGO Verwaltungsgesellschaft mbH
(72) BINNER, Lars
(31) 202016103069 U
(32) 09.06.2016
(33) Germany

(51) H05K 5/06
(11) EP3320761
(21) EP16733021.6
(47) 07.08.2019
(87) EP2016064121
12.01.2017
(22) 20.06.2016
(54) MULTI-PART DEVICE AND METHOD FOR MANUFACTURING THIS MULTI-PART DEVICE
(73) Robert Bosch GmbH
(72) SCHALOWSKI, Gerhard
ROTHER, Christian
KIM, Hack-Min
SEGIET, Raphael
KIMPEL, Thomas
WAGNER, Walter
(31) 102015212680
(32) 07.07.2015
(33) Germany

(51) H05K 7/14
H01R 13/645
(11) EP2600705
(21) EP12192925.1
(47) 07.08.2019
(22) 16.11.2012
(54) Separate accessory element for a control device
(73) Pilz GmbH & Co. KG
(72) Cech, Markus
Godau, Thorsten
(31) 102011055920
(32) 01.12.2011
(33) Germany

(51) H05K 7/20
(11) EP3014963
(21) EP13737914.5
(47) 07.08.2019
(87) US2013048124
31.12.2014
(22) 27.06.2013
(54) DEVICE COVER FOR THERMAL MANAGEMENT
(73) InterDigital CE Patent Holdings
(72) PROCTOR, Christopher Michael William
CHEAH, Sin Hui

NAGANATHAN, Girish

(51) H05K 7/20
H01L 23/44
(11) EP3229573
(21) EP17164795.1
(47) 07.08.2019
(22) 04.04.2017
(54) IMMERSION COOLING SYSTEMS AND METHODS
(73) Hamilton Sundstrand Corporation
(72) Shepard, Charles
Campbell, Kris H.
(31) 201615090236
(32) 04.04.2016
(33) United States of America

(51) H05K 9/00
F16B 2/24
F16B 5/06
(11) EP2590494
(21) EP11800965.3
(47) 07.08.2019
(87) JP2011065079
05.01.2012
(22) 30.06.2011
(54) SURFACE-MOUNTING CLIP
(73) Kitagawa Industries Co., Ltd.
(72) KONDA, Kenji
KURITA, Tomohisa
KITANO, Hiroki
NAKAMURA, Tatsuya
YUMI, Hideo
(31) 2010150021
(32) 30.06.2010
(33) Japan

(51) H05K 9/00
H05K 7/00
H01R 13/6596
H01R 9/18
H01R 13/648
H01R 13/74
(11) EP2582222
(21) EP11792538.8
(47) 07.08.2019
(87) JP2011063296
15.12.2011
(22) 09.06.2011
(54) SHIELD TERMINAL CONNECTION STRUCTURE AND METHOD
(73) Yazaki Corporation
(72) ADACHI Hideomi
KUBOSHIMA, Hidehiko
(31) 2010132585
(32) 10.06.2010
(33) Japan

(51) H05K 13/04
(11) EP2961254
(21) EP13875359.5
(47) 07.08.2019
(87) JP2013054776
28.08.2014
(22) 25.02.2013
(54) ELECTRONIC CIRCUIT COMPONENT MOUNTING METHOD AND MOUNTING SYSTEM
(73) FUJI Corporation
(72) NOZAWA, Mizuho

(51) H05K 13/04
(11) EP3096595
(21) EP14879128.8
(47) 07.08.2019
(87) JP2014050828
23.07.2015
(22) 17.01.2014
(54) MOUNTING DEVICE AND HOLDING MEMBER
(73) FUJI Corporation
(72) YOKOI, Yuta
TSUCHIYA, Yusuke

(51) H05K 13/04
H05K 13/08
(11) EP3065523
(21) EP13896709.6
(47) 07.08.2019
(87) JP2013079099
07.05.2015
(22) 28.10.2013
(54) LEAD WIRE CUT-AND-CLINCH DEVICE
(73) FUJI Corporation
(72) ASAO, Kaname
DEGURA, Kazuya
MIZUNO, Yasunari
HIGASHI, Toshimi

(51) H05K 13/08
(11) EP3088128
(21) EP13900204.2
(47) 07.08.2019
(87) JP2013085252
02.07.2015
(22) 27.12.2013
(54) COMPONENT SUPPLY SYSTEM
(73) FUJI Corporation
(72) MORIKAWA, Shunji

EP3

Voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 (1, 6) van de Octrooiwet 1995.
Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.

(51) A01B 3/36
A01B 63/00
(11) EP3319409
(21) EP16748055.7
(22) 08.07.2016
(54) A PLOUGH SYSTEM
(73) Agro Intelligence ApS
(72) GREEN, Ole
SØREN KIRKEGAARD, Nielson
(74) ir. C.M. Jansen c.s.
(31) 201500395
(32) 08.07.2015
(33) Denmark
(47) 19.06.2019

(51) A01G 7/04
H05B 33/08
(11) EP3193579
(21) EP15824334.5
(22) 21.07.2015
(54) PHOTONIC ENGINE SYSTEM FOR ACTUATING THE PHOTOSYNTHETIC ELECTRON TRANSPORT CHAIN
(73) Once Innovations, Inc.
(72) Grajcar, Zdenko
Payne, Kevin
Simko, Peter
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201462027049 P
201462061933 P
201562102637 P
(32) 21.07.2014
09.10.2014
13.01.2015
(33) United States of America
United States of America
United States of America
(47) 22.05.2019

(51) A01G 9/02
(11) EP3202249
(21) EP15841036.5
(22) 04.02.2015
(54) STAGGEREDLY STACKED FLOWERPOT AND THREE-DIMENSIONAL GREENING WALL FORMED BY STAGGEREDLY COMBINING FLOWERPOTS
(73) Shanghai Worth Garden Products Co., Ltd.
(72) WU, Yunchong
FEI, Junhua
(74) ir. W.J.J.M. Kempes
(31) 201410513850
(32) 29.09.2014
(33) China
(47) 22.05.2019

(51) A01H 5/10
(11) EP3024317
(21) EP14759005.3
(22) 23.07.2014
(54) COATING FOR PLANT SEED
(73) Jouffray Drillaud
(72) BEGUIER, Vincent
(74) J.M.H. Duyver lic.
(31) 1357321
(32) 24.07.2013
(33) France
(47) 01.05.2019

(51) A01K 1/12
(11) EP2825030
(21) EP13709138.5
(22) 14.03.2013
(54) SPACE DIVIDER OF A MILKING PARLOR ARRANGEMENT, AND MILKING PARLOR ARRANGEMENT
(73) GEA Farm Technologies GmbH
(72) KRONE, Otto
HENSEL, Derk
MADER, Thomas
TECKENTRUP, Rolf
HÖNSCHEID, Armin
HILLE, Dieter
WIETHOFF, Magnus
TROSSEHL, Marc
BALKENHOL, Reinhard
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102012102132
102012110503
(32) 14.03.2012
02.11.2012
(33) Germany
Germany
(47) 22.05.2019

(51) A01K 5/02
A01F 25/20
(11) EP2838355
(21) EP13713558.8
(22) 14.03.2013
(54) FEED GRIPPING DEVICE
(73) Lely Patent N.V.
(72) VAN KUILENBURG, Jan Martinus
(74) ir. M.J.F.M. Corten
(31) 2008675
(32) 20.04.2012
(33) Netherlands
(47) 08.05.2019

(51) A01K 67/027
(11) EP2460403
(21) EP09847838.1
(22) 31.07.2009
(54) STEATOHEPATITIS-LIVER CANCER MODEL MOUSE
(73) SMC Global Asset, Inc.
(72) YONEYAMA, Hiroyuki
FUJII, Masato
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 22.05.2019

(51) A01K 67/027
C07K 16/00
C12N 15/85
(11) EP2825037
(21) EP13714127.1
(22) 15.03.2013
(54) RODENTS EXPRESSING PH-SENSITIVE IMMUNOGLOBULIN SEQUENCES
(73) Regeneron Pharmaceuticals, Inc.
(72) MCWHIRTER, John
MACDONALD, Lynn
MARTIN, Joel, H.
MURPHY, Andrew, J.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261611950 P
201261612126 P
201261613352 P
201261736930 P
(32) 16.03.2012
16.03.2012
20.03.2012
13.12.2012
(33) United States of America
United States of America
United States of America
United States of America
(47) 01.05.2019

(51) A01M 7/00
A01G 25/16
B05B 11/00
B05B 1/00
(11) EP2967021
(21) EP14717317.3
(22) 13.03.2014
(54) APPARATUS FOR RECONFIGURING SPRAY EQUIPMENT
(73) Agricultural Magnetics, Ltd.
(72) LENHARDT, Theodore
(74) ir. W.J.J.M. Kempes
(31) 201313828787
(32) 14.03.2013
(33) United States of America
(47) 15.05.2019

(51) A01N 1/02
C12Q 1/24
C12N 5/076
C12Q 1/68
C12Q 1/6806
(11) EP2903432
(21) EP13844253.8
(22) 04.03.2013
(54) METHODS OF PROCESSING SPERM FOR SEX SORTING
(73) Inguran, LLC
(72) GILLIGAN, Thomas Boyd
EVANS, Kenneth Michael
LENZ, Richard
GONZALEZ-MARIN, Clara
VISHWANATH, Ramakrishnan
(74) ir. W.J.J.M. Kempes
(31) 201261710343 P
(32) 05.10.2012

(33) United States of America
(47) 08.05.2019

(51) A01N 57/00
A61K 31/506
C07D 401/12
(11) EP3179858
(21) EP15831372.6
(22) 12.08.2015
(54) FORMS AND COMPOSITIONS OF AN ERK INHIBITOR
(73) CELGENE CAR LLC
(72) FERRETTI, Antonio Christian
HUANG, Lianfeng
LI, Ying
TRAVERSE, John
XU, Jean
YONG, Kelvin Hin-Yeong
ZOU, Daozhong
(74) M.L. Huisman
(31) 201462037066 P
(32) 13.08.2014
(33) United States of America
(47) 15.05.2019

(51) A21B 3/13
(11) EP2819520
(21) EP13712846.8
(22) 26.02.2013
(54) DEVICE WITH CARRIER PLATE FOR BAKERY PRODUCTS
(73) MECATHERM, Société Anonyme
(72) ZORN, Bernard
SERGENT, Olivier
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1251868
1256582
(32) 29.02.2012
09.07.2012
(33) France
France
(47) 24.04.2019

(51) A21D 8/02
A21C 3/06
A21D 13/066
(11) EP3323295
(21) EP16199276.3
(22) 17.11.2016
(54) METHOD FOR PRODUCING A DOUGH PIECE
(73) Radie B.V.
(72) VAN BLOKLAND, Johannes, Josephus, Antonius
(74) ir. H.Th. van den Heuvel c.s.
(47) 10.07.2019

(51) A22B 5/00
(11) EP2599387
(21) EP11191797.7
(22) 02.12.2011
(54) Measurement device for individual identification of physical features of butchered animals conveyed in a row and processing equipment including at least one such measurement equipment
(73) Nordischer Maschinenbau Rud. Baader GmbH + Co. KG
(72) Gütte, Ulrich
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 01.05.2019

(51) A22C 7/00
A23P 10/00
A47J 43/20
B30B 11/00
B30B 11/02
A23P 30/10
A23L 13/00
A23L 13/50
A23L 13/60
A23L 13/70
(11) EP3099178
(21) EP15704969.3
(22) 30.01.2015
(54) DEVICE AND METHOD FOR PRODUCING MEAT PRODUCTS
(73) Hukelmann, Bernhard
(72) Hukelmann, Bernhard
(74) ir. W.J.J.M. Kempes
(31) 102014201819
(32) 31.01.2014
(33) Germany
(47) 08.05.2019

(51) A22C 17/00
B02C 18/06
B02C 23/18
(11) EP3247216
(21) EP16700623.8
(22) 14.01.2016
(54) DEFROSTER-CUTTER
(73) GEA Food Solutions Germany GmbH
(72) STEINHANSES, André
(74) ir. W.J.J.M. Kempes
(31) 102015200877
(32) 20.01.2015
(33) Germany
(47) 24.04.2019

(51) A23C 19/06
C12R 1/46
A23C 19/11
(11) EP3079480
(21) EP14821401.8
(22) 09.12.2014
(54) PROCESSED CHEESE WITH NATURAL ANTIBACTERIAL AND ANTIMYCOTIC COMPONENTS AND METHOD OF MANUFACTURING
(73) Kraft Foods Group Brands LLC
(72) MARCUS-JOHNSON, Christine D.
CHINWALLA, Ammar N.
REEVE, Jon L.
(74) ir. W.J.J.M. Kempes
(31) 201361914246 P
(32) 10.12.2013
(33) United States of America
(47) 08.05.2019

(51) A23C 21/10
A23C 21/00
A23J 1/20
A23J 3/08
(11) EP2862446
(21) EP13803647.0
(22) 14.06.2013
(54) METHOD FOR MANUFACTURING MODIFIED WHEY COMPOSITION, MODIFIED WHEY COMPOSITION, AND METHOD FOR MANUFACTURING CALCIUM-ENRICHED MODIFIED WHEY COMPOSITION
(73) Morinaga Milk Industry Co., Ltd.
(72) ODAKA Mirei
MURAKAMI Tomoya
SAKAI Yohei
MIYAUCHI Kiyotaka
KOISHIHARA Hiroshi
(74) ir. A.R. Aalbers
(31) 2012136106
(32) 15.06.2012
(33) Japan
(47) 08.05.2019

(51) A23G 3/06
A23G 7/00
B21B 1/088
B29C 53/18
B29C 55/18
A21C 3/02
A23P 10/28
A23P 30/00
(11) EP2898783
(21) EP14199860.9
(22) 22.12.2014
(54) Device for forming a mouldable mass
(73) ROBERT BOSCH GMBH
(72) Kappes, Holger
Schongen, Jörg
(74) ir. C.M. Jansen c.s.
(31) 102014201243
(32) 23.01.2014
(33) Germany
(47) 12.06.2019

(51) A23L 3/015
(11) EP3267805
(21) EP15738141.9
(22) 10.03.2015
(54) METHOD FOR PROCESSING A FOOD PRODUCT AND CORRESPONDING PROCESSING APPARATUS
(73) Villa Food S.r.l.
(72) GREATTI, Denis
ZANINI, Ugo
(74) ir. J.C. Volmer c.s.
(47) 08.05.2019

(51) A23L 5/48
(11) EP2265134
(21) EP09724213.5
(22) 19.03.2009
(54) STABLE NATURAL COLOR PROCESS, PRODUCTS AND USE THEREOF
(73) Wild Flavors, Inc.
(72) WU, Shaowen
FORD, Chad
HORN, Gregory
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 399223
40208
(32) 06.03.2009
28.03.2008
(33) United States of America
United States of America
(47) 24.04.2019

(51) A23L 25/00
A23C 20/02
(11) EP3352580
(21) EP16760393.5
(22) 09.08.2016
(54) CREAM CHEESE-LIKE FOOD PRODUCT AND PRODUCTION METHOD

(73) Hochland SE
(72) HERRMANN, Dirk
ROTHER, Matthias
MAHLER, Marie-Luise
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015116249
(32) 25.09.2015
(33) Germany
(47) 08.05.2019

(51) A23L 27/20
A23L 27/00
(11) EP2897465
(21) EP13839492.9
(22) 18.09.2013
(54) METHOD OF PRODUCING A STABLE SPRAY-DRIED COMPOSITION
(73) International Flavors & Fragrances Inc.
(72) HANS, Keith, Thomas
HENSON, Lulu
LAVALLEE, Christopher, Thomas
POPPLEWELL, Lewis Michael
WOLFF, Eric, Jesse
WRIGHT, Maria
(74) ir. W.J.J.M. Kempes
(31) 201213625354
(32) 24.09.2012
(33) United States of America
(47) 08.05.2019

(51) A23L 29/30
A23L 33/00
A23L 33/10
A23L 33/16
A23L 33/125
(11) EP3298907
(21) EP16190390.1
(22) 23.09.2016
(54) HIGH CALORIE, UHT TREATED LIQUID NUTRITIONAL COMPOSITIONS
(73) Fresenius Kabi Deutschland GmbH
(72) Wiegand, Susanne
Mainou-Sierra, José Maria
Becker, Katy
Ammann, Martin
(74) ir. W.J.J.M. Kempes
(47) 24.04.2019

(51) A23L 33/00
(11) EP3232819
(21) EP15813827.1
(22) 17.12.2015
(54) INFANT NUTRITION WITH HYDROLYSED PROTEIN AND PALMITIC ACID
(73) Nestec S.A.
(72) KLINE, Randi
O'REGAN, Jonathan
(74) ir. F.A. Geurts c.s.
(31) 201462094190 P
(32) 19.12.2014
(33) United States of America
(47) 22.05.2019

(51) A24C 5/32
(11) EP2921063
(21) EP15158488.5
(22) 10.03.2015
(54) PICK-UP DEVICE FOR PICKING UP ARTICLES FROM THE TOBACCO PROCESSING INDUSTRY
(73) Hauni Maschinenbau GmbH
(72) Müller, Thomas
(74) ir. F.A. Geurts c.s.
(31) 102014204701
(32) 13.03.2014
(33) Germany
(47) 01.05.2019

(51) A24C 5/32
B65B 19/10
(11) EP3212013
(21) EP15791017.5
(22) 26.10.2015
(54) A ROD ARTICLE DISTRIBUTION APPARATUS
(73) British American Tobacco (Investments) Ltd
(72) FALLON, Gary
(74) dr. A. Krebs
(31) 201419197
(32) 29.10.2014
(33) United Kingdom
(47) 08.05.2019

(51) A24C 5/34
A24C 5/345
G01B 11/25
H04N 5/225
(11) EP3206511
(21) EP15775643.8
(22) 21.09.2015
(54) METHOD AND DEVICE FOR DETECTION OF ROTATED SEGMENTS CONVEYED IN A MACHINE USED IN TOBACCO INDUSTRY AND A MACHINE FOR PRODUCING MULTISEGMENT RODS COMPRISING SUCH A DEVICE
(73) International Tobacco Machinery Poland Sp. z o.o.
(72) STANIKOWSKI, Robert
CZAJKA, Piotr
(74) ir. W.J.J.M. Kempes
(31) 40980814
(32) 17.10.2014
(33) Poland
(47) 15.05.2019

(51) A24C 5/47
A24C 5/32
(11) EP3285604
(21) EP16725577.7
(22) 15.04.2016
(54) APPARATUS FOR CENTRING OF A ROD-LIKE ARTICLE OR A ROD-LIKE ARTICLE GROUP
(73) Philip Morris Products S.A.
(72) SIKORA, Leszek
OWCZAREK, Radoslaw
(74) dr. W.A.H.M. Van Borm
(31) 41201715
(32) 21.04.2015
(33) Poland
(47) 19.06.2019

(51) A24F 47/00
A61M 15/06
B65B 3/04
B65B 7/28
B65D 47/36
A61M 15/00
(11) EP3009019
(21) EP14189416.2
(22) 17.10.2014
(54) CARTRIDGE HAVING A LIQUID TRANSPORTING ELEMENT FOR USES WITH AN ELECTRONIC SMOKING DEVICE
(73) Fontem Holdings 1 B.V.
(72) Rowbotham, Andrew
Borkovec, Vaclav
Collins, Fiona
Davidson, Shona
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 01.05.2019

(51) A45D 20/48
A45D 2/00
(11) EP3289918
(21) EP16197399.5
(22) 04.11.2016
(54) HEATED HAIR PADDLE
(73) BaByliss Faco sprl
(72) POTTS, Simon Andrew
HICKS, Virginia Louise
(74) ir. H.J.G. Lips c.s.
(31) 201615252935
(32) 31.08.2016
(33) United States of America
(47) 22.05.2019

(51) A47B 96/02
G06K 17/00
A47F 3/00
H01Q 1/22
G06K 7/10
(11) EP1785913
(21) EP06076690.4
(22) 07.09.2006
(54) Smart shelf system
(73) N.V. Nederlandsche Apparatenfabriek NEDAP
(72) Beyers, Rudi
(74) ir. C.M. Jansen c.s.
(31) 1029902
1031446
(32) 07.09.2005
27.03.2006
(33) Netherlands
Netherlands
(47) 08.05.2019

(51) A47C 20/04
(11) EP3267843
(21) EP16709468.9
(22) 11.03.2016
(54) ELECTROMOTIVE FURNITURE DRIVE
(73) DewertOkin GmbH
(72) KLIMM, Hartmut
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 202015101317 U
(32) 13.03.2015
(33) Germany
(47) 22.05.2019

(51) A47C 31/00
A47C 27/08
(11) EP2967230
(21) EP14724565.8
(22) 14.03.2014
(54) METHOD AND SYSTEM FOR AN INFLATABLE AIR MATTRESS SYSTEM ARCHITECTURE
(73) SELECT COMFORT CORPORATION
(72) NUNN, Rob
TILSTRA, Matthew Wayne

HILDEN, Matthew Glenn
MAHONEY, Paul James
(74) ir. W.J.J.M. Kempes
(31) 201361781503 P
(32) 14.03.2013
(33) United States of America
(47) 08.05.2019

(51) A47H 1/00
A47H 21/00
(11) EP2575557
(21) EP11790549.7
(22) 06.06.2011
(54) COUPLER SYSTEM
(73) Grovist Innovations, LLC
(72) OVIST, Vince
GROHS, William, T.
(74) ir. C.M. Jansen c.s.
(31) 351799 P
(32) 04.06.2010
(33) United States of America
(47) 01.05.2019

(51) A47J 31/36
(11) EP3199071
(21) EP16153018.3
(22) 27.01.2016
(54) SYSTEM FOR PREPARING A LIQUID BEVERAGE FROM A CAPSULE
(73) Koninklijke Douwe Egberts B.V.
(72) Van Loon-Post, Angenita Dorothea
Kamerbeek, Ralf
De Graaff, Gerbrand Kristiaan
(74) ir. C.M. Jansen c.s.
(47) 08.05.2019

(51) A47J 31/42
A47J 42/40
(11) EP3291714
(21) EP17740300.3
(22) 26.06.2017
(54) COFFEE MACHINE AND OPERATING METHOD
(73) Eugster/Frismag AG
(72) FORRER, Fritz
EBERLE, Rainer
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102016112393
(32) 06.07.2016
(33) Germany
(47) 29.05.2019

(51) A47J 42/50
(11) EP2915469
(21) EP15156042.2
(22) 23.02.2015
(54) Device for supplying coffee beans to a grinding unit
(73) Eugster/Frismag AG
Melitta Europa GmbH & Co. KG
(72) Neuhaus, Sven
Schandl, Gerold
Riessbeck, Wolfgang
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014002954
(32) 06.03.2014
(33) Germany
(47) 17.04.2019

(51) A47K 10/38
(11) EP3335605
(21) EP17206687.0
(22) 12.12.2017
(54) ROLL CARRIER FOR A PAPER SHEET WITH CONTROLLED DISTRIBUTION
(73) Sempere Borja, Carlos
(72) Sempere Borja, Carlos
(74) ir. F.A. Geurts c.s.
(31) 201631464 U
(32) 14.12.2016
(33) Spain
(47) 01.05.2019

(51) A47L 11/26
A47L 11/30
A47L 11/40
(11) EP3238595
(21) EP15905698.5
(22) 10.10.2015
(54) FLOOR CLEANER
(73) Hizero Technologies Co., Ltd.
(72) LI, Yang
ZHANG, Yong
(74) ir. W.J.J.M. Kempes
(47) 08.05.2019

(51) A61B 1/005
(11) EP3229656
(21) EP15817096.9
(22) 08.12.2015
(54) GUIDE FOR STEERING WIRES FOR A STEERING MECHANISM FOR A STEERABLE TOOL
(73) Steerable Instruments nv
(72) DEWAELE, Frank
MABILDE, Cyriel
BLANCKAERT, Bart
KALMAR, Alain
MAENE, Lieven
(74) dr. A. Ellens c.s.
(31) 14196793
(32) 08.12.2014
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) A61B 1/04
A61B 1/00
A61B 5/07
(11) EP2995240
(21) EP15185178.9
(22) 15.09.2015
(54) APPARATUS FOR CONTROLLING THE MOVEMENT OF A CAPSULE ENDOSCOPE IN THE DIGESTIVE TRACT OF A HUMAN BODY
(73) Ankon Medical Technologies (Shanghai) Co., Ltd
(72) Duan, Xiaodong
Xiao, Guohua
Wang, Xinhong
(74) ir. A.R. Aalbers
(31) 201414486131
201510567611
(32) 15.09.2014
09.09.2015
(33) United States of America
China
(47) 24.04.2019

(51) A61B 5/00
G01L 19/00
A61B 5/20
G01L 9/00
(11) EP2964091
(21) EP14712612.2
(22) 28.02.2014
(54) DEVICE FOR MEASURING PRESSURE IN A FLUID
(73) Medical Measurement Systems B.V.
(72) JENSEN, Michael, Gondy
LARSEN, Kristine
VAN GORKOM, David
WITTE, Jens
(74) J.M.H. Duyver lic.
(31) 102013102085
(32) 04.03.2013
(33) Germany
(47) 24.04.2019

(51) A61B 5/00
G16H 20/30
A61B 5/024
A63B 71/06
A61B 5/22
A63B 22/06
A63B 24/00
A63B 21/012
(11) EP3164823
(21) EP15733510.0
(22) 29.06.2015
(54) IMPROVEMENTS TO EXERCISE EQUIPMENT
(73) Integrated Health Partners Limited
(72) DEMPFLE, Ulrich
SINGH, Ratna
BERNATH, Oliver
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201411976
(32) 04.07.2014
(33) United Kingdom
(47) 22.05.2019

(51) A61B 5/0205
A61B 5/0432
(11) EP1859733
(21) EP07010126.6
(22) 22.05.2007
(54) Method and device for correlating breathing signals in the cardiovascular system
(73) Löwenstein Medical Technology S.A.
(72) Schwaibold, Matthias
Schöller, Bernd
(74) ir. H.J.G. Lips c.s.
(31) 102006024908
(32) 24.05.2006
(33) Germany
(47) 29.05.2019

(51) A61B 5/04
A61N 1/05
C12M 1/34
C12M 1/12
C12N 5/00
C12N 11/08
(11) EP3038521
(21) EP14852138.8
(22) 11.10.2014
(54) TISSUE SCAFFOLDS FOR ELECTRICALLY EXCITABLE CELLS
(73) Innovative Surface Technologies, Inc.
(72) GUIRE, Eric
BAHR, Christopher
(74) mr. ir. J. van Breda c.s.
(31) 201361890193 P
(32) 12.10.2013

(33) United States of America
(47) 01.05.2019

(51) A61B 5/0464
(11) EP2967404
(21) EP14714520.5
(22) 10.03.2014
(54) DEVICE IMPLEMENTING DUAL CRITERIA FOR ARRHYTHMIA DETECTION
(73) Cameron Health, Inc.
(72) SANGHERA, Rick
ALLAVATAM, Venugopal
(74) ir. H.J.G. Lips c.s.
(31) 201361776326 P
(32) 11.03.2013
(33) United States of America
(47) 22.05.2019

(51) A61B 5/053
A61N 1/39
(11) EP3164067
(21) EP15739511.2
(22) 01.07.2015
(54) DEVICE FOR AN IMPEDANCE TOMOGRAPH
(73) Drägerwerk AG & Co. KGaA
(72) SATTLER, Frank
HILTAWSKY, Karsten
LI, Jian-Hua
(74) ir. F.A. Geurts c.s.
(31) 102014009890
(32) 04.07.2014
(33) Germany
(47) 22.05.2019

(51) A61B 5/055
G01R 33/56
(11) EP1723906
(21) EP05710790.6
(22) 25.02.2005
(54) MAGNETIC RESONANCE IMAGING DEVICE, AND DATA PROCESSING METHOD OF MAGNETIC RESONANCE IMAGING DEVICE
(73) Toshiba Medical Systems Corporation
(72) UCHIZONO, Shinichi
MACHIDA, Yoshio
ICHINOSE, Nobuyasu
(74) ir. J.M.G. Dohmen c.s.
(31) 2004052313
2004052312
(32) 26.02.2004
26.02.2004
(33) Japan
Japan
(47) 15.05.2019

(51) A61B 5/06
(11) EP3181046
(21) EP16204673.4
(22) 16.12.2016
(54) SHEATH VISUALIZATION METHOD BY MEANS OF IMPEDANCE LOCALIZATION AND MAGNETIC INFORMATION
(73) Biosense Webster (Israel) Ltd.
(72) PRESSMAN, Assaf
RAZ, Shaul Haim
ROSENBERG, Avigdor
BERMAN, Dror
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514974878
(32) 18.12.2015
(33) United States of America
(47) 29.05.2019

(51) A61B 5/103
(11) EP2175778
(21) EP08766842.2
(22) 25.06.2008
(54) METHOD FOR DETERMINATION OF A POTENTIAL MUTATION
(73) Erasmus University Medical Center Rotterdam
(72) CASPERS, Peter Jacobus
THIO, Hok Bing
PUPPELS, Gerwin Jan
KEMPERMAN, Patrick M.J.H.
NEUMANN, Hendrik Arent Martino
(74) ir. C.M. Jansen c.s.
(31) PCT/NL2007/050317
08151226
(32) 28.06.2007
08.02.2008
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)
(47) 15.05.2019

(51) A61B 5/16
G06F 3/01
(11) EP2811906
(21) EP13703577.0
(22) 07.02.2013
(54) METHOD AND DEVICE FOR RECONSTRUCTING INTENDED ACTIVITIES FROM NEURAL SIGNALS
(73) CorTec GmbH
(72) RICKERT, Jörn
(74) ir. F.A. Geurts c.s.
(31) 102012100999
(32) 07.02.2012
(33) Germany
(47) 24.04.2019

(51) A61B 8/06
A61B 8/13
A61B 8/00
A61B 8/08
(11) EP2614777
(21) EP12162593.3
(22) 30.03.2012
(54) Method and apparatus for providing multi spectral doppler images
(73) Samsung Medison Co., Ltd.
(72) Lee, Sang-mok
Hyoun, Dong-gyu
(74) mr. ir. J. van Breda c.s.
(31) 20120004910
(32) 16.01.2012
(33) Korea (Republic)
(47) 01.05.2019

(51) A61B 17/16
B23B 51/00
(11) EP3179926
(21) EP15753848.9
(22) 13.08.2015
(54) SURGICAL BUR WITH A SINGLE CUTTING FLUTE
(73) Stryker European Holdings I, LLC
(72) HUGHES, Sinead K.
O'SULLIVAN, Denis
(74) J.M.H. Duyver lic.
(31) 201462037231 P
(32) 14.08.2014
(33) United States of America
(47) 26.06.2019

(51) A61B 17/22
A61B 17/221
(11) EP3266391
(21) EP17185818.6
(22) 20.02.2009
(54) APPARATUS FOR FLOW RESTORATION
(73) Covidien LP
(72) SLEE, Earl Howard
WILDER, Thomas III
MCCARTHY, Thomas
FRANCO, David
ASHBY, Mark Philip
SHRIVASTAVA, Sanjay
(74) ir. C.M. Jansen c.s.
(31) 30838 P
(32) 22.02.2008
(33) United States of America
(47) 01.05.2019

(51) A61B 17/34
A61M 5/32
A61M 5/42
A61B 5/00
A61B 17/12
A61M 1/10
A61M 1/12
A61B 34/30
(11) EP3324867
(21) EP16805427.8
(22) 02.12.2016
(54) A DEVICE FOR EMERGENCY TREATMENT OF CARDIAC ARREST
(73) Neurescue ApS
(72) FROST, Habib
(74) ir. J.C. Volmer c.s.
(31) 15197607
(32) 02.12.2015
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) A61B 17/42
A61B 17/44
(11) EP3247292
(21) EP16701862.1
(22) 21.01.2016
(54) OBSTETRIC DEVICE
(73) Guy's And St Thomas' NHS Foundation Trust
(72) TYDEMAN, Graham
(74) ir. J.C. Volmer c.s.
(31) 201501120
(32) 23.01.2015
(33) United Kingdom
(47) 08.05.2019

(51) A61B 17/88
A61C 5/64
A61M 5/28
B01F 13/00
(11) EP3320869
(21) EP17200592.8
(22) 08.11.2017
(54) BONE CEMENT APPLICATOR WITH CLOSURE SYSTEM DRIVEN BY THE BONE CEMENT PASTE
(73) Heraeus Medical GmbH
(72) Vogt, Sebastian
Kluge, Thomas

(74) ir. W.J.J.M. Kempes
(31) 102016121606
(32) 11.11.2016
(33) Germany
(47) 15.05.2019

(51) A61B 18/14
A61B 5/00
A61B 90/00
A61B 17/00
A61B 18/00
A61B 5/053
(11) EP2842507
(21) EP14182246.0
(22) 26.08.2014
(54) Determining absence of contact for a catheter
(73) Biosense Webster (Israel) Ltd.
(72) Gliner, Vadim
Govari, Assaf
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201314010679
(32) 27.08.2013
(33) United States of America
(47) 29.05.2019

(51) A61B 18/14
A61B 18/00
(11) EP3305230
(21) EP17204809.2
(22) 13.03.2014
(54) CATHETER WITH NEEDLES FOR ABLATING TISSUE LAYERS IN VESSEL
(73) Biosense Webster (Israel) Ltd.
(72) GRUNEWALD, Debby
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201313829178
(32) 14.03.2013
(33) United States of America
(47) 22.05.2019

(51) A61B 18/14
A61M 25/00
A61M 25/01
(11) EP2819602
(21) EP13708637.7
(22) 01.03.2013
(54) CATHETER FOR THE TREATMENT OF ATRIAL FLUTTER HAVING SINGLE ACTION DUAL DEFLECTION MECHANISM
(73) Biosense Webster (Israel) Ltd.
(72) SOLIS, Mario A.
DATTA, Keshava
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261605886 P
201313781521
(32) 02.03.2012
28.02.2013
(33) United States of America
United States of America
(47) 22.05.2019

(51) A61C 17/20
(11) EP3190991
(21) EP15834193.3
(22) 09.08.2015
(54) HIGH INTENSITY ULTRASONIC TONGUE CLEANER
(73) Robert T. Bock Consultancy LLC
(72) BOCK, Robert T.
(74) ir. C.M. Jansen c.s.
(31) 201462040034 P
201514821721
(32) 21.08.2014
08.08.2015
(33) United States of America
United States of America
(47) 01.05.2019

(51) A61C 19/00
A61C 8/00
A61L 2/10
(11) EP3266411
(21) EP16758709.6
(22) 05.02.2016
(54) ULTRAVIOLET IRRADIATION DEVICE FOR IMPLANT
(73) Ushio Denki Kabushiki Kaisha
(72) KOBAYASHI Yusuke
(74) J.M.H. Duyver lic.
(31) 2015043569
(32) 05.03.2015
(33) Japan
(47) 26.06.2019

(51) A61F 2/16
(11) EP2560577
(21) EP11717438.3
(22) 22.04.2011
(54) INTRAOCULAR LENS TEMPERATURE CONTROL SYSTEM
(73) Johnson & Johnson Surgical Vision, Inc.
(72) COLE, Mark, S.
SPRINGER, Kevin, R.
RANEY, Rob
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 327453 P
(32) 23.04.2010
(33) United States of America
(47) 22.05.2019

(51) A61F 2/24
(11) EP3110370
(21) EP15739668.0
(22) 25.02.2015
(54) TRANSCATHETER VALVE PROSTHESIS
(73) Highlife SAS
(72) BÖRTLEIN, Georg
NASR, Malek
(74) ir. A.R. Aalbers
(31) 102014102722
201414204394
(32) 28.02.2014
11.03.2014
(33) Germany
United States of America
(47) 22.05.2019

(51) A61F 2/24
A61M 25/01
(11) EP3131503
(21) EP15717768.4
(22) 08.04.2015
(54) HINGED TRANSCATHETER PROSTHETIC HEART VALVE DELIVERY SYSTEM
(73) Medtronic Vascular Galway
(72) DUFFY, Naill
CREAVEN, Marian
(74) ir. J.M.G. Dohmen c.s.
(31) 201461980930 P
(32) 17.04.2014
(33) United States of America
(47) 12.06.2019

(51) A61F 5/442
A61M 3/02
(11) EP3232997
(21) EP15816652.0
(22) 17.12.2015
(54) A SYSTEM FOR ANAL AND/OR STOMAL IRRIGATION AND A METHOD FOR CONTROLLING SUCH A SYSTEM
(73) Coloplast A/S
(72) HVID, Niels
HICKMOTT, Richard Morgan
NIELSEN, Rasmus
RAVASIO, Luigi
WARD, David
BAY, Henrik
(74) ir. W.J.J.M. Kempes
(31) 201470807
(32) 19.12.2014
(33) Denmark
(47) 01.05.2019

(51) A61F 7/12
A61M 1/36
A61M 5/44
A61F 7/00
(11) EP1968508
(21) EP06844551.9
(22) 22.11.2006
(54) SYSTEMS FOR INTRAVASCULAR COOLING
(73) Hybernia Medical LLC
(72) PILE-SPELLMAN, John
ERWIN, Lin
(74) ir. P.J. Hylarides c.s.
(31) 753433 P
(32) 22.12.2005
(33) United States of America
(47) 15.05.2019

(51) A61F 9/00
A61M 5/32
(11) EP2265229
(21) EP09726457.6
(22) 12.03.2009
(54) EYE INJECTION DEVICE
(73) Institut National de la Santé et de la Recherche Médicale (INSERM)
(72) TOUCHARD, Elodie
KOWALCZUK, Laura
BEHAR- COHEN, Francine
(74) ir. W.J.J.M. Kempes
(31) 0801415
(32) 14.03.2008
(33) France
(47) 08.05.2019

(51) A61F 9/008
(11) EP3192479
(21) EP17156854.6
(22) 16.01.2014
(54) ROBUST LASER CUTTING FOR OPHTHALMIC SURGERY
(73) AMO Development, LLC.
(72) FU, Hong
TAMKIN, John M.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361753319 P
(32) 16.01.2013
(33) United States of America

(47) 29.05.2019

(51) A61G 7/00
A61G 7/057
(11) EP3038584
(21) EP15837218.5
(22) 04.09.2015
(54) SYSTEM AND METHOD FOR OFF-LOADING OF THE BODY IN THE PRONE POSITION AND FOR PATIENT TURNING AND REPOSITIONING
(73) Mölnlycke Health Care AB
(72) Purdy, William
Purdy, Robert
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201462045788 P
201514845062
(32) 04.09.2014
03.09.2015
(33) United States of America
United States of America
(47) 22.05.2019

(51) A61G 7/057
A47C 27/08
(11) EP2043583
(21) EP07840496.9
(22) 24.07.2007
(54) PATIENT SUPPORT WITH WELDED MATERIALS
(73) Huntleigh Technology Limited
(72) BARTLETT, Alan L.
LINA, Cesar Z.
VRZALIK, John H.
(74) mr. ir. J. van Breda c.s.
(31) 833460 P
780119
(32) 26.07.2006
19.07.2007
(33) United States of America
United States of America
(47) 01.05.2019

(51) A61H 7/00
A63B 24/00
(11) EP1928391
(21) EP06816096.9
(22) 28.09.2006
(54) SYSTEM, METHOD AND APPARATUS FOR APPLYING AIR PRESSURE ON A PORTION OF THE BODY OF AN INDIVIDUAL
(73) AlterG, Inc.
(72) WHALEN, Sean, Tremaine
BOYD-WICKIZER, Silas
(74) ir. W.J.J.M. Kempes
(31) 236952
(32) 28.09.2005
(33) United States of America
(47) 22.05.2019

(51) A61J 1/20
(11) EP2948125
(21) EP14743275.1
(22) 21.01.2014
(54) PRESSURE-REGULATING VIAL ADAPTORS
(73) ICU Medical, Inc.
(72) FANGROW, Thomas, F.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361755800 P
201361785874 P
201361909940 P
(32) 23.01.2013
14.03.2013
27.11.2013
(33) United States of America
United States of America
United States of America
(47) 22.05.2019

(51) A61K 8/34
A61Q 15/00
(11) EP3197421
(21) EP15844096.6
(22) 25.09.2015
(54) HIGH-COVERAGE, LOW ODOR MALODOR COUNTERACTANT COMPOUNDS AND METHODS OF USE
(73) International Flavors & Fragrances Inc.
(72) WETTERER, Sean
PARKHURST, Drew
WEISS, Richard
LEVORSE, Anthony
MONTELEONE, Michael
BODEN, Richard
(74) ir. W.J.J.M. Kempes
(31) 201414496680
(32) 25.09.2014
(33) United States of America
(47) 15.05.2019

(51) A61K 8/35
A61K 8/49
A61Q 19/08
A61Q 17/04
A61K 9/00
A61K 31/122
A61K 31/4045
(11) EP2926800
(21) EP13859434.6
(22) 26.11.2013
(54) COMPOSITION COMPRISING MELATONIN OR ITS DERIVATIVES WITH COENZYME Q10 AND USE THEREOF AGAINST AGEING OF THE SKIN
(73) Universidad de Granada
(72) Escames Rosa, Germaine
Acuña Castroviejo, Darío
López García, Luis Carlos
(74) dr. A. Ellens c.s.
(31) 201231849
(32) 28.11.2012
(33) Spain
(47) 29.05.2019

(51) A61K 9/00
(11) EP3049056
(21) EP14781264.8
(22) 25.09.2014
(54) ANTIFUNGAL TOPICAL COMPOSITION AND METHODS OF TREATMENT
(73) Blueberry Therapeutics Limited
(72) RIDDEN, John
DAVIES, Michael
GOOD, Liam
(74) ir. W.J.J.M. Kempes
(31) 201317005
201320723
(32) 25.09.2013
25.11.2013
(33) United Kingdom
United Kingdom
(47) 24.04.2019

(51) A61K 9/00
A61K 31/138
A61K 31/58
A61K 45/06
A61P 11/08
(11) EP2400950
(21) EP09779096.8
(22) 26.02.2009
(54) PHARMACEUTICAL FORMULATIONS COMPRISING 4-{(1 R)-2-[(6-{2-[(2,6-DICHLOROBENZYL)OXY]ETHOXY}HEXYL)AMINO HYDROXYETHYL}-2-(HYDROXYMETHYL)PHENOL
(73) Glaxo Group Limited
(72) BAKER, Darrell
BRUCE, Mark
THOMAS, Marian
(74) ir. C.M. Jansen c.s.
(47) 22.05.2019

(51) A61K 9/10
A61K 47/36
A61K 47/38
(11) EP2950783
(21) EP14704747.6
(22) 03.02.2014
(54) ARTIFICIAL TEARS COMPRISING SODIUM HYALURONATE AND CARBOXYMETHYLCELLULOSE
(73) ALLERGAN, INC.
(72) BEARD, Bereth J.
BLANDA, Wendy M.
MARSH, David A.
SIMMONS, Peter A.
VEHIGE, Joseph G.
HAIXIA, Liu
MATSUMOTO, Steven S.
(74) mr.ir. F.N. Ferro
(31) 201361759710 P
201361785857 P
(32) 01.02.2013
14.03.2013
(33) United States of America
United States of America
(47) 15.05.2019

(51) A61K 9/19
A61K 9/51
A61K 31/58
(11) EP3256108
(21) EP16705303.2
(22) 09.02.2016
(54) COMPLEXES OF ABIRATERONE ACETATE, PROCESS FOR THE PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM
(73) Druggability Technologies IP Holdco Limited
(72) ANGI, Réka
JORDÁN, Tamás
BASA-DÉNES, Orsolya
SOLYMOSI, Tamás
ÖTVÖS, Zsolt
GLAVINAS, Hristos
FILIPCSEI, Genovéva
(74) J.M.H. Duyver lic.
(31) P1500055

(32) 09.02.2015
(33) Hungary
(47) 01.05.2019

(51) A61K 9/20
A61K 47/36
A61K 9/28
A61K 31/05
A61K 31/07
A61K 31/10
A61K 31/122
A61K 31/198
A61K 31/355
A61K 31/525
(11) EP2988782
(21) EP14731011.4
(22) 22.04.2014
(54) DOSAGE FORMS FOR ORAL ADMINISTRATION OF ACTIVE SUBSTANCES
(73) Giuliani S.p.A.
(72) GIULIANI, Giammaria
BENEDUSI, Anna
MASCOLO, Antonio
LIMITONE, Antonio
(74) drs. A.A. Jilderda
(31) MI20130682
(32) 24.04.2013
(33) Italy
(47) 22.05.2019

(51) A61K 9/48
A61K 47/40
A61K 47/36
A61K 47/30
(11) EP3013326
(21) EP14816696.0
(22) 24.06.2014
(54) SHELL-FORMING COMPOSITIONS FOR SOFT CAPSULES AND SOFT CAPSULES
(73) R.P. Scherer Technologies, LLC
(72) FUJII, Takuma
OKAYAMA, Toshikazu
KIMATA, Michihiro
HANAYAMA, Yoshiaki
TAKAHASHI, Miyako
(74) drs. C.M.A. Quintelier
(31) 2013132728
(32) 25.06.2013
(33) Japan
(47) 19.06.2019

(51) A61K 31/167
A61K 31/192
A61P 29/00
A61K 9/08
A61K 47/18
(11) EP2635269
(21) EP11838295.1
(22) 26.10.2011
(54) A COMBINATION COMPOSITION
(73) AFT Pharmaceuticals Limited
(72) ATKINSON, Hartley Campbell
(74) ir. W.J.J.M. Kempes
(31) 58901110
(32) 04.11.2010
(33) New Zealand
(47) 22.05.2019

(51) A61K 31/19
A61K 47/26
A61P 35/00
(11) EP2063881
(21) EP07750813.3
(22) 15.02.2007
(54) A COMPOSITION AND METHOD FOR THE EFFICACIOUS AND SAFE ADMINISTRATION OF HALOPYRUVATE FOR THE TREATMENT OF CANCER
(73) Ko, Young Hee
(72) KoDiscovery, LLC
(74) ir. H.J.G. Lips c.s.
(31) 773653 P
706868
(32) 16.02.2006
14.02.2007
(33) United States of America
United States of America
(47) 08.05.2019

(51) A61K 31/191
A61K 31/164
A61K 33/26
A61K 39/02
A61P 31/04
(11) EP3068384
(21) EP13709500.6
(22) 15.02.2013
(54) IRON COMPLEXES FOR THE REDUCTION OF GASTROINTESTINAL TRACT COLONISATION BY CAMPYLOBACTER
(73) Akeso Biomedical Inc.
(72) MAHDAVI, Jafar
ALA' ALDEEN, Dlawer
(74) dr. W.A.H.M. Van Borm
(31) 201202681
201220158
(32) 16.02.2012
08.11.2012
(33) United Kingdom
United Kingdom
(47) 08.05.2019

(51) A61K 31/192
C07C 59/64
A61P 19/06
A61P 13/12
A61K 45/06
(11) EP2268141
(21) EP09762990.1
(22) 13.03.2009
(54) COMPOUND AND METHOD FOR REDUCING URIC ACID
(73) Wellstat Therapeutics Corporation
(72) O'NEIL, James, Dennen
BAMAT, Michael, K.
VON BORSTEL, Reid, W.
SHARMA, Shalini
ARUDCHANDRAN, Ramachandran
(74) ir. F.A. Geurts c.s.
(31) 3629408 P
(32) 13.03.2008
(33) United States of America
(47) 08.05.2019

(51) A61K 31/201
A61K 31/202
A61K 35/74
A61P 29/00
A61K 35/745
(11) EP1868596
(21) EP06739275.3
(22) 22.03.2006
(54) USE OF LACTOBACILLUS RHAMNOSUS GG IN COMBINATION WITH A LONG CHAIN POLYUNSATURATED FATTY ACID FOR THE TREATMENT, PREVENTION OR REDUCTION OF SYSTEMIC INFLAMMATION IN A FORMULA-FED INFANT
(73) MJN U.S. Holdings LLC
(72) MCMAHON, Robert, J.
HERZ, Udo
NEU, Josef
(74) ir. W.J.J.M. Kempes
(31) 106794
(32) 15.04.2005
(33) United States of America
(47) 15.05.2019

(51) A61K 31/295
A61K 31/721
A61P 7/06
(11) EP3212182
(21) EP15787128.6
(22) 27.10.2015
(54) TREATMENT OR PREVENTION OF ANAEMIA IN PREGNANT NON-HUMAN MAMMALS AND OFFSPRING
(73) Pharmacosmos Holding A/S
(72) RECKE, Christian von der
CHRISTENSEN, Tobias S.
ANDREASEN, Hans
THOMSEN, Lars Lykke
(74) J.M.H. Duyver lic.
(31) 201470654
(32) 27.10.2014
(33) Denmark
(47) 26.06.2019

(51) A61K 31/4174
A61K 9/00
A61P 17/00
(11) EP2675449
(21) EP12705755.2
(22) 14.02.2012
(54) PHARMACEUTICAL CREAM COMPOSITIONS OF OXYMETAZOLINE FOR TREATING SYMPTOMS OF ROSACEA
(73) Aclaris Therapeutics, Inc.
(72) SHANLER, Stuart, D.
POWALA, Christopher
(74) dr. ir. F.M. van Bouwelen
(31) 201161443210 P
(32) 15.02.2011
(33) United States of America
(47) 24.04.2019

(51) A61K 31/495
A61K 31/53
A61P 35/00
A61K 9/00
A61K 9/20
A61K 9/48
A61K 47/10
(11) EP3290035
(21) EP17180400.8
(22) 06.03.2013
(54) PROCASPASE COMBINATION THERAPY FOR TREATING CANCER
(73) The Johns Hopkins University

The Board of Trustees of the University of Illinois
Vanquish Oncology, Inc.
(72) HERGENROTHER, Paul J.
BOTHAM, Rachel C.
FAN, Timothy M.
GILBERT, Mark J.
HANDLEY, Michael K.
JOSHI, Avadhut
RIGGINS, Gregory J.
TARASOW, Theodore M.
(74) ir. W.J.J.M. Kempes
(31) 201261607103 P
(32) 06.03.2012
(33) United States of America
(47) 15.05.2019

(51) A61K 31/506
C07D 401/14
C07D 401/12
A61P 35/00
A61P 29/00
A61P 25/00
(11) EP3129025
(21) EP15776904.3
(22) 08.04.2015
(54) PROCESS FOR THE MANUFACTURING OF MEDICAMENTS
(73) Genentech, Inc.
(72) LIN, Jinguang
CHESTAKOVA, Alexandra
GU, Wei
IDING, Hans
LI, Jing
LINGHU, Xin
MEIER, Patrik
SHA, Chunbo
STULTS, Jeffrey
WANG, Youchu
ZHANG, Haiming
ZHANG, Jianqian
ZHANG, Tao
(74) ir. M.F.J.M. Ketelaars c.s.
(31) PCT/CN2014/075011
(32) 09.04.2014
(33) World Intellectual Property Office (WIPO)
(47) 15.05.2019

(51) A61K 31/519
C07D 487/04
A61P 31/04
A01N 43/90
A61L 27/54
(11) EP3292867
(21) EP16188201.4
(22) 09.09.2016
(54) TRIAZOLO(4,5-D)PYRIMIDINE DERIVATIVES FOR USE IN THE PREVENTION AND TREATMENT OF BACTERIAL INFECTION
(73) Université de Liège
(72) OURY, Cécile
LANCELLOTTI, Patrizio
(74) ir. W.J.J.M. Kempes
(47) 15.05.2019

(51) A61K 31/573
A61K 38/13
A61K 35/28
A61P 19/00
A61P 39/00
A61P 3/08
A61P 1/16
(11) EP2605765
(21) EP11752017.1
(22) 18.08.2011
(54) DEXAMETHASONE FOR USE IN TREATING OSTEOARTHRITIS, LIVER FAILURE, TYPE-2 DIABETES MELLITUS, STROKE AND PARKINSON'S DISEASE, IN COMBINATION WITH STEM CELL TREATMENT
(73) Deisher, Theresa
(72) Deisher, Theresa
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161449372 P
201161441485 P
374943 P
(32) 04.03.2011
10.02.2011
18.08.2010
(33) United States of America
United States of America
United States of America
(47) 08.05.2019

(51) A61K 31/575
A61P 3/04
(11) EP3305298
(21) EP17188946.2
(22) 23.08.2011
(54) FORMULATIONS OF DEOXYCHOLIC ACID AND SALTS THEREOF
(73) Kythera Biopharmaceuticals, Inc.
(72) HODGE, Robert Emil
WEBSTER, Jeffrey Douglas
MORIARTY, Robert M.
(74) mr.ir. F.N. Ferro
(47) 01.05.2019

(51) A61K 31/65
C07C 237/26
(11) EP2707003
(21) EP12782600.6
(22) 14.05.2012
(54) CRYSTALLINE SALTS OF (4S,4AS,5AR,12AS)-4-DIMETHYLAMINO-3,10,12,12A-TETRAHYDROXY-7-[(METHOXY(METHYL)AMINO)-METHYL]-1,11-DIOXO-1,4,4A,5,5A,6,11,12A-OCTAHYDRO-NAPHTHACENE-2-CARBOXYLIC ACID AMIDE AND METHODS OF USING THE SAME
(73) Paratek Pharmaceuticals, Inc.
Allergan Pharmaceuticals International Limited
(72) COULTER, Catherine
JOHNSTON, Sean, M.
SEYEDI, Farzaneh
(74) mr.ir. F.N. Ferro
(31) 201161485179 P
(32) 12.05.2011
(33) United States of America
(47) 01.05.2019

(51) A61K 31/7068
A61K 31/40
A61P 35/00
(11) EP3010513
(21) EP14732136.8
(22) 16.06.2014
(54) COMBINATION OF RO5503781 AND CAPECITABINE FOR CANCER THERAPY
(73) F. Hoffmann-La Roche AG
(72) HIGGINS, Brian
NICHOLS, Gwen
PACKMAN, Kathryn E.
(74) drs. C.M.A. Quintelier
(31) 201361836894 P
(32) 19.06.2013
(33) United States of America
(47) 05.06.2019

(51) A61K 33/04
A61K 33/06
A61K 45/06
A61P 39/00
(11) EP2756757
(21) EP12840653.5
(22) 13.09.2012
(54) PREPARATION AND COMPOSITIONS OF ZERO-VALENT SULPHUR HAVING HIGH BIOAVAILABILITY, AND USES THEREOF
(73) Nuevas Alternativas Naturales S.A. de C.V.
(72) GOJON ROMANILLOS, Gabriel
GOJÓN ZORRILLA, Gabriel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161534585 P
(32) 14.09.2011
(33) United States of America
(47) 24.04.2019

(51) A61K 35/76
A61K 9/00
A61P 1/12
(11) EP2991633
(21) EP14724663.1
(22) 30.04.2014
(54) BACTERIOPHAGE THERAPY
(73) Ferring BV
Institut Pasteur
(72) DANGLAS, Pascal
DEBARBIEUX, Laurent
(74) mr.ir. F.N. Ferro
(31) 13305568
(32) 30.04.2013
(33) European Patent Office (EPO)
(47) 19.06.2019

(51) A61K 36/22
A23L 33/00
A23L 33/105
A61P 3/04
(11) EP3009138
(21) EP15183167.4
(22) 31.08.2015
(54) MANGIFERA EXTRACT FOR THE MANAGEMENT OF OBESITY AND/OR WEIGHT
(73) Kodimule, Shyam Prasad
(72) KODIMULE Shyam Prasad
(74) J.M.H. Duyver lic.
(31) 201462044398 P
(32) 01.09.2014
(33) United States of America
(47) 01.05.2019

(51) A61K 36/23
A61K 36/58

A61P 15/02
A61K 36/07
A61K 36/886
A61K 9/00
A61K 45/06
A61K 9/06
A61K 31/05
A61K 31/716
A61K 31/728
(11) EP3116519
(21) EP15709691.8
(22) 13.03.2015
(54) TOPICAL COMPOSITIONS COMPRISING EXTRACT OF CORIOLUS VERSICOLOR FOR AUTOIMMUNITY ENHANCEMENT
(73) Procare Health Iberia, S.L.
(72) LOSA DOMINGUEZ, Fernando
PALACIOS, Santiago
GASLAIN, Yann
(74) J.M.H. Duyver lic.
(31) 14159640
(32) 13.03.2014
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) A61K 38/40
A61K 38/36
A61P 7/02
(11) EP3085384
(21) EP14871697.0
(22) 16.12.2014
(54) PHARMACEUTICAL COMPOSITION WITH IMPROVED STABILITY CONTAINING FACTOR VII FUSION PROTEIN
(73) TiumBio Co., Ltd.
(72) KIM, Hong-Kee
SHIN, Ho Chul
Lee, Yoon-Jung
LEE, Ho Soon
LEE, Ji-Hye
KANG, Seok-chan
KIM, Hun-Taek
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130156740
(32) 16.12.2013
(33) Korea (Republic)
(47) 08.05.2019

(51) A61K 38/48
A61Q 19/06
A61K 9/00
(11) EP2768523
(21) EP12842537.8
(22) 19.10.2012
(54) METHOD OF TREATING OR REDUCING EFP
(73) Endo Global Ventures
(72) HART, Susan G., Emeigh
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161549863 P
(32) 21.10.2011
(33) United States of America
(47) 22.05.2019

(51) A61K 39/00
(11) EP3104878
(21) EP15709383.2
(22) 13.02.2015
(54) IMMUNOTHERAPY OF CANCER THROUGH COMBINATION OF LOCAL AND SYSTEMIC IMMUNE STIMULATION
(73) Immune Design Corp.
(72) TER MEULEN, Jan, Henrik
PAYA CUENCA, Carlos, V.
(74) J.M.H. Duyver lic.
(31) 201461940109 P
201461985787 P
201462022070 P
201462072548 P
201562101335 P
(32) 14.02.2014
29.04.2014
08.07.2014
30.10.2014
08.01.2015
(33) United States of America
United States of America
United States of America
United States of America
United States of America
(47) 22.05.2019

(51) A61K 39/00
C07K 14/315
C07K 16/12
A61K 39/09
(11) EP2552477
(21) EP11717765.9
(22) 01.04.2011
(54) IMMUNOGENIC PROTEINS AND COMPOSITIONS FOR THE TREATMENT AND PREVENTION OF STREPTOCOCCUS AGALACTIAE
(73) GlaxoSmithKline Biologicals S.A.
(72) GRANDI, Guido
MAIONE, Domenico
RINUADO, Cira, Daniela
(74) ir. F.A. Geurts c.s.
(31) 201005625
(32) 01.04.2010
(33) United Kingdom
(47) 15.05.2019

(51) A61K 39/02
C07K 14/705
G01N 33/569
C07K 14/74
A61P 31/04
(11) EP2254592
(21) EP08872852.2
(22) 30.12.2008
(54) MHC MULTIMERS IN BORRELIA DIAGNOSTICS AND DISEASE
(73) Dako Denmark A/S
(72) BRIX, Liselotte
PEDERSEN, Henrik
SCHOLLER, Jorgen
(74) ir. W.J.J.M. Kempes
(31) 200800295
67831 P
200801011
83481 P
200801380
101931 P
(32) 28.02.2008
28.02.2008
17.07.2008
24.07.2008
01.10.2008
01.10.2008
(33) Denmark
United States of America
Denmark
United States of America
Denmark
United States of America
(47) 05.06.2019

(51) A61K 39/395
C07K 16/22
(11) EP2900263
(21) EP13776433.8
(22) 26.09.2013
(54) MONOCLONAL ANTIBODIES TO GROWTH AND DIFFERENTIATION FACTOR 15 (GDF-15)
(73) Julius-Maximilians-Universität Würzburg
(72) WISCHHUSEN, Jörg
JUNKER, Markus
MÜLLER, Thomas
SAREMBA, Stefan
(74) mr.ir. F.N. Ferro
(31) 12186185
(32) 26.09.2012
(33) European Patent Office (EPO)
(47) 05.06.2019

(51) A61K 39/395
C12P 21/08
C07K 16/40
(11) EP2608809
(21) EP11820759.6
(22) 26.08.2011
(54) ANTIBODIES TO MATRIX METALLOPROTEINASE 9
(73) Gilead Biologics, Inc.
(72) MCCAULEY, Scott Alan
VAYSBERG, Maria
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 377886 P
(32) 27.08.2010
(33) United States of America
(47) 22.05.2019

(51) A61K 47/10
A61K 47/22
A61K 47/02
A61K 31/765
A61K 31/375
(11) EP2314319
(21) EP10179628.2
(22) 24.10.2003
(54) Colon Cleansing Compositions
(73) Norgine BV
(72) Barras, Norman
Cox, Ian
Ungar, Alex
Halphen, Marc
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0224909
(32) 25.10.2002
(33) United Kingdom
(47) 08.05.2019

(51) A61K 47/60
A61K 47/65
A61K 47/69
(11) EP2616102
(21) EP11757861.7
(22) 16.09.2011

(54) PRODRUGS COMPRISING AN EXENDIN LINKER CONJUGATE
(73) Sanofi-Aventis Deutschland GmbH
(72) CLEEMANN, Felix
HERSEL, Ulrich
LESSMANN, Torben
RAU, Harald
(74) ir. W.J.J.M. Kempes
(31) 10177327
(32) 17.09.2010
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) A61K 49/10
(11) EP2833924
(21) EP13712573.8
(22) 28.03.2013
(54) HYPERPOLARIZED AMINO ACIDS
(73) Bracco Imaging S.p.A
(72) KARLSSON, Magnus
LERCHE, Mathilde, H.
JENSEN, Pernille, Rose
(74) ir. W.J.J.M. Kempes
(31) 12162792
(32) 02.04.2012
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) A61L 31/10
A61L 31/16
(11) EP2913070
(21) EP15164213.9
(22) 13.11.2008
(54) POLYMERIC MATERIALS FOR MEDICAL DEVICES
(73) Cardinal Health Switzerland 515 GmbH
(72) Zhao, Jonathon
(74) ir. C.M. Jansen c.s.
(31) 939805
(32) 14.11.2007
(33) United States of America
(47) 08.05.2019

(51) A61M 1/02
A61M 1/36
(11) EP3233148
(21) EP15794636.9
(22) 01.10.2015
(54) SEQUENTIAL PROCESSING OF BIOLOGICAL FLUIDS
(73) Biosafe S.A.
(72) CAMISANI, Julien
LINK, Oliver
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 19852014
(32) 19.12.2014
(33) Switzerland
(47) 17.04.2019

(51) A61M 1/36
(11) EP3138591
(21) EP16192546.6
(22) 20.04.2010
(54) PERFUSION SYSTEM WITH RFID
(73) Sorin Group Italia S.r.l.
(72) SIMPSON, Dennis
E. DAHLINGER, Derek
ROSSI, Ivan
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 22.05.2019

(51) A61M 3/02
A61B 1/31
A61B 1/12
A61B 17/3203
A61B 1/015
A61M 1/00
(11) EP2579914
(21) EP11732520.9
(22) 13.06.2011
(54) SYSTEMS FOR CLEANING BODY CAVITIES
(73) Motus Gi Medical Technologies Ltd.
(72) SHTUL, Boris
MOROCHOVSKY, Alexey
BANZGER, Alexander
HASSIDOV, Noam
(74) ir. W.J.J.M. Kempes
(31) 354226 P
378432 P
(32) 13.06.2010
31.08.2010
(33) United States of America
United States of America
(47) 01.05.2019

(51) A61M 5/50
A61M 5/20
A61M 5/32
(11) EP2023980
(21) EP07733008.2
(22) 30.05.2007
(54) INJECTION DEVICE WITH A DAMPING MEANS OF THE TRIGGER
(73) Cilag GmbH International
(72) HARRISON, Nigel
JENNINGS, Douglas
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0610860
(32) 01.06.2006
(33) United Kingdom
(47) 29.05.2019

(51) A61M 11/00
A61M 15/00
A61M 15/08
(11) EP3099360
(21) EP15705188.9
(22) 20.01.2015
(54) POWDER INHALER AND POWDER INHALATION SET
(73) Beller, Klaus-Dieter
(72) Beller, Klaus-Dieter
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014001072
102014005647
(32) 30.01.2014
17.04.2014
(33) Germany
Germany
(47) 15.05.2019

(51) A61M 11/04
A61M 15/00
A24F 47/00
A61M 16/20
A61K 31/05
A61K 31/352
A61K 31/465
(11) EP3160552
(21) EP15744363.1
(22) 30.06.2015
(54) DRUG DOSE CARTRIDGE FOR AN INHALER DEVICE
(73) Syqe Medical Ltd.
(72) DAVIDSON, Perry
SCHORR, Aaron
SCHWARTZ, Binyamin
LIFSHITZ, Roee
(74) ir. W.J.J.M. Kempes
(31) 201462019225 P
201462035588 P
201462085772 P
201462086208 P
201562164710 P
(32) 30.06.2014
11.08.2014
01.12.2014
02.12.2014
21.05.2015
(33) United States of America
United States of America
United States of America
United States of America
United States of America
(47) 08.05.2019

(51) A61M 15/08
B05B 11/00
(11) EP3277350
(21) EP16710925.5
(22) 02.03.2016
(54) INSERT FOR A PUMP CAP FOR A PHARMACEUTICAL CONTAINER, PUMP CAP FOR A PHARMACEUTICAL CONTAINER, PHARMACEUTICAL CONTAINER WITH THE PUMP CAP, AND COMPUTER PROGRAM PRODUCT
(73) Meda AB
(72) TRITSCHLER, Hans-Joachim
WEINGART, Mario
MAUS, Joachim
(74) J.M.H. Duyver lic.
(31) 102015004073
(32) 30.03.2015
(33) Germany
(47) 08.05.2019

(51) A61M 16/10
A61K 33/00
C01B 21/24
A61M 16/00
(11) EP3311870
(21) EP17194639.5
(22) 25.01.2007
(54) APPARATUS FOR GENERATING NITRIC OXIDE FOR MEDICAL USE
(73) Mallinckrodt Hospital Products IP Limited
(72) MONTGOMERY, Frederick J.
DUNCAN, P. L. Bathe
(74) ir. C.M. Jansen c.s.
(31) 355670
(32) 16.02.2006
(33) United States of America
(47) 24.04.2019

(51) A61M 39/28
A61M 5/142
(11) EP3185945
(21) EP16785381.1
(22) 05.10.2016

(54) MEDICAL PUMP WITH TUBE CLAMP HOLDER, TUBE CLAMP AND SYSTEM OF BOTH
(73) B. Braun Melsungen AG
(72) STEGER, Jürgen
HEITMEIER, Rolf
KATERKAMP, Andreas
ERLEN, Christoph
KRAMER, Matthias
(74) J.M.H. Duyver lic.
(31) 102015117493
(32) 14.10.2015
(33) Germany
(47) 08.05.2019

(51) A61N 1/05
A61B 5/00
A61N 1/36
G16H 40/63
G06F 19/00
(11) EP3328481
(21) EP16732137.1
(22) 13.06.2016
(54) USER INTERFACE FOR CUSTOM PATTERNED ELECTRICAL STIMULATION
(73) Boston Scientific Neuromodulation Corporation
(72) WECHTER, David Ernest
(74) ir. A.R. Aalbers
(31) 201562198957 P
(32) 30.07.2015
(33) United States of America
(47) 15.05.2019

(51) A61N 1/08
A61N 1/05
A61N 1/32
A61B 18/14
(11) EP3132825
(21) EP16183801.6
(22) 05.10.2005
(54) APPARATUS FOR RENAL NEUROMODULATION
(73) Medtronic Ardian Luxembourg S.à.r.l.
(72) DEEM, Mark
GIFFORD, Hanson
ZARINS, Denise
SUTTON, Douglas
THAI, Erik
GELFAND, Mark
LEVIN, Howard R.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 616254 P
624793 P
129765
(32) 05.10.2004
02.11.2004
13.05.2005
(33) United States of America
United States of America
United States of America
(47) 15.05.2019

(51) A61N 1/36
A61B 18/14
A61N 1/05
A61N 1/32
(11) EP3108930
(21) EP16184488.1
(22) 05.10.2005
(54) APPARATUS FOR RENAL NEUROMODULATION
(73) Medtronic Ardian Luxembourg S.à.r.l.
(72) Deem, Mark
Gifford, Hanson
Zarins, Denise
Sutton, Douglas
Thai, Erik
Gelfand, Mark
Levin, Howard R.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 616254 P
624793 P
129765
(32) 05.10.2004
02.11.2004
13.05.2005
(33) United States of America
United States of America
United States of America
(47) 15.05.2019

(51) A62B 7/02
A62B 9/00
(11) EP2509687
(21) EP10836256.7
(22) 02.12.2010
(54) BREATHING AIR UNIT
(73) E Innovation AS
(72) JOHANNESSEN, Øyvind, Næss
(74) ir. J.M.G. Dohmen c.s.
(31) 20093496
(32) 09.12.2009
(33) Norway
(47) 24.04.2019

(51) A63B 21/015
A63B 22/00
A63B 71/06
A63B 21/22
A63B 23/035
A63B 21/00
A63B 22/06
(11) EP3231482
(21) EP17000273.7
(22) 21.02.2017
(54) MULTIFUNCTIONAL ARM CRANKING EXERCISER
(73) Vivasports Co., Ltd.
(72) LEE, Zong-Hua
(74) ir. W.J.J.M. Kempes
(31) 105205046 U
(32) 12.04.2016
(33) Taiwan, Province of China
(47) 08.05.2019

(51) A63F 13/85
A63F 13/52
A63F 13/25
B29C 67/00
(11) EP3064257
(21) EP16158761.3
(22) 04.03.2016
(54) SYSTEM, DEVICE AND METHOD OF 3D PRINTING
(73) Sony Interactive Entertainment Inc.
(72) BIGOS, Andrew James
SUZUOKI, Masakazu
HAYASHI, Masakazu
NAGAI, Norihiro
(74) ir. W.J.J.M. Kempes
(31) 201503834
(32) 06.03.2015
(33) United Kingdom
(47) 10.07.2019

(51) B01D 27/00
B01D 50/00
B01D 46/24
B01D 46/00
(11) EP3052216
(21) EP14827150.5
(22) 02.10.2014
(54) LIQUID SEPARATOR
(73) Atlas Copco Airpower, Naamloze Vennootschap
(72) COOLS Ronny Antoine J.
(31) 201361886233 P
201400657
(32) 03.10.2013
29.09.2014
(33) United States of America
Belgium
(47) 05.06.2019

(51) B01D 53/26
B01D 53/14
(11) EP3147020
(21) EP15754484.2
(22) 23.02.2015
(54) DEHYDRATION AND COMPRESSION SYSTEM, AND CO2 RECOVERY SYSTEM
(73) Mitsubishi Heavy Industries Engineering, Ltd.
(72) INUI, Masayuki
YONEKAWA, Takahito
MAAS, Cole
TSUJIUCHI, Tatsuya
(74) mr. ir. J. van Breda c.s.
(31) 201414189727
(32) 25.02.2014
(33) United States of America
(47) 12.06.2019

(51) B01F 3/04
B01D 3/00
B01D 3/22
B01D 3/24
B01D 3/32
(11) EP3260180
(21) EP17174735.5
(22) 07.06.2017
(54) GAS/LIQUID CONTACT TOWER HAVING A TRAY ASSEMBLY
(73) AMT International, Inc.
(72) LEE, Adam T.
CHIANG, Pai-Yu Polly
RUNXING, Xie
CHANGZHI, Wang
(74) ir. F.A. Geurts c.s.
(31) 201614999714
(32) 20.06.2016
(33) United States of America
(47) 08.05.2019

(51) B01J 8/34
B01D 45/08
(11) EP2750786
(21) EP12756778.2
(22) 14.08.2012

(54) REGENERATOR FOR CATALYTIC CRACKING UNIT WITH EXTERNAL CYCLONES
(73) Total Raffinage France
(72) LLAMAS, Juan-David
BERRIC, Guillaume
(74) ir. W.J.J.M. Kempes
(31) 1157665
(32) 31.08.2011
(33) France
(47) 12.06.2019

(51) B01J 20/18
B01D 53/04
C01B 39/46
B01D 53/02
(11) EP3207983
(21) EP17156342.2
(22) 15.02.2017
(54) MODIFIED CHABAZITE ADSORBENT COMPOSITIONS
(73) AIR PRODUCTS AND CHEMICALS, INC.
(72) COE, Charles Gardner
BONGO, Christopher Robert
OCHS, Geoffrey John
BONANNO, Marissa Ann
LAU, Garret Chi-Ho
CASTEEL, William Jack, Jr.
ZHAO, Qiao
WHITLEY, Roger Dean
SORENSEN, Erin Marie
(74) ir. J.C. Volmer c.s.
(31) 201615049610
(32) 22.02.2016
(33) United States of America
(47) 26.06.2019

(51) B01J 20/18
B01J 20/30
C01B 39/02
B01D 53/02
B01D 53/047
C01B 23/00
C01B 39/46
(11) EP3207984
(21) EP17156344.8
(22) 15.02.2017
(54) METHOD OF MAKING MODIFIED CHABAZITE ADSORBENT COMPOSITIONS
(73) Air Products and Chemicals, Inc.
(72) COE, Charles Gardner
OCHS, Geoffrey John
BONANNO, Marissa Ann
BONGO, Christopher Robert
CASTEEL, William Jack, Jr.
LAU, Garret Chi-Ho
ZHAO, Qiao
WHITLEY, Roger Dean
SORENSEN, Erin Marie
(74) ir. J.C. Volmer c.s.
(31) 201615049659
(32) 22.02.2016
(33) United States of America
(47) 26.06.2019

(51) B01J 21/12
C07C 1/213
C07C 11/09
B01J 37/10
B01J 37/28
B01J 23/00
B01J 23/04
B01J 27/16
B01J 27/18
B01J 35/00
B01J 35/10
(11) EP2686289
(21) EP12708534.8
(22) 07.03.2012
(54) MIXED OXIDE COMPOSITI0NS AND METHODS FOR PRODUCTION OF ISOOLEFINS
(73) Evonik Degussa GmbH
(72) WINTERBERG, Markus
BÖING, Christian
MASCHMEYER, Dietrich
NAU, Asli
ZANTHOFF, Horst-Werner
QUANDT, Thomas
SCHULZE ISFORT, Christian
(74) ir. W.J.J.M. Kempes
(31) 102011005608
(32) 16.03.2011
(33) Germany
(47) 08.05.2019

(51) B01J 23/58
B01J 37/02
B01J 37/06
B01J 37/16
B01J 35/10
(11) EP2214818
(21) EP08871363.1
(22) 24.10.2008
(54) process for preparing a palladium containing catalyst
(73) IFP Energies nouvelles
(72) FISCHER, Lars
PETIT-CLAIR, Carine
THOMAZEAU, Cécile
SORBIER, Loïc
VERDON, Catherine
(74) ir. W.J.J.M. Kempes
(31) 0707699
(32) 29.10.2007
(33) France
(47) 08.05.2019

(51) B01J 23/85
B01J 37/03
B01J 37/08
B01J 37/20
(11) EP2424658
(21) EP10770110.4
(22) 08.04.2010
(54) METHOD FOR MAKING A HYDROCONVERSION MULTI-METALLIC CATALYST
(73) Chevron U.S.A. Inc.
(72) DYKSTRA, Dennis
MAESEN, Theodorus
KUPERMAN, Alexander E.
UCKUNG, Soy
FONG, Darren
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 432730
432728
432727
432723
432721
432719
(32) 29.04.2009
29.04.2009
29.04.2009
29.04.2009
29.04.2009
29.04.2009
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
(47) 22.05.2019

(51) B01J 23/881
B01J 23/882
B01J 23/883
B01J 31/04
B01J 31/34
C10G 45/02
(11) EP2918339
(21) EP13853150.4
(22) 31.10.2013
(54) HYDROGENATION CATALYST AND MANUFACTURING METHOD THEREFOR AND USE THEREOF
(73) China Petroleum & Chemical Corporation
Fushun Research Institute of Petroleum and Petrochemicals, Sinopec
(72) YANG, Zhanlin
JIANG, Hong
TANG, Zhaoji
WANG, Jifeng
WEN, Derong
WEI, Dengling
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201210443119
201210442850
201210442653
(32) 08.11.2012
08.11.2012
08.11.2012
(33) China
China
China
(47) 22.05.2019

(51) B01J 29/00
B01J 29/40
B01J 35/00
B01J 35/02
B01J 35/10
B01J 37/00
B01J 37/02
C10G 47/00
C10G 11/00
C10G 3/00
C10G 50/00
C07C 1/00
C07C 4/00
C07C 5/00
(11) EP3016738
(21) EP14735943.4
(22) 03.07.2014
(54) CATALYST COMPOSITIONS COMPRISING SMALL SIZE MOLECULAR SIEVES CRYSTALS DEPOSITED ON A POROUS MATERIAL
(73) Total Research & Technology Feluy

Centre National de la Recherche Scientifique (CNRS)
(72) HAW, Kok-Giap
GOUPIL, Jean-Michel
GILSON, Jean-Pierre
VALTCHEV, Valentin
NESTERENKO, Nikolai
MINOUX, Delphine
DATH, Jean-Pierre
(74) ir. W.J.J.M. Kempes
(31) 13175185
(32) 04.07.2013
(33) European Patent Office (EPO)
(47) 24.04.2019

(51) B01J 31/26
B01J 23/888
B01J 35/02
B01J 37/20
C07F 19/00
(11) EP2424664
(21) EP10770109.6
(22) 08.04.2010
(54) METHOD FOR MAKING A HYDROCONVERSION MULTI-METALLIC CATALYST
(73) Chevron U.S.A. Inc.
(72) KUPERMAN, Alexander E.
MAESEN, Theodorus
DYKSTRA, Dennis
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 432730
432728
432727
432723
432721
432719
(32) 29.04.2009
29.04.2009
29.04.2009
29.04.2009
29.04.2009
29.04.2009
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
(47) 22.05.2019

(51) B01J 31/26
B01J 23/888
B01J 35/10
B01J 37/20
C07F 19/00
B01J 37/03
C10G 45/08
(11) EP2424663
(21) EP10770108.8
(22) 08.04.2010
(54) METHOD FOR MAKING A HYDROCONVERSION MULTI-METALLIC CATALYST
(73) Chevron U.S.A. Inc.
(72) KUPERMAN, Alexander, E.
MAESEN, Theodorus
DYKSTRA, Dennis
UCKUNG, Soy
FONG, Darren
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 432730
432728
432727
432723
432721
432719
(32) 29.04.2009
29.04.2009
29.04.2009
29.04.2009
29.04.2009
29.04.2009
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
(47) 22.05.2019

(51) B01L 3/02
B01J 19/00
(11) EP3222353
(21) EP16000699.5
(22) 23.03.2016
(54) METHOD FOR SINGLE PARTICLE DEPOSITION
(73) Scienion AG
(72) RODRIGUEZ, Miguel
CHENG, Eric
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 24.04.2019

(51) B02C 13/14
B02C 13/28
(11) EP2558209
(21) EP11714026.9
(22) 08.04.2011
(54) CONICAL IMPACT MILL
(73) Air Products and Chemicals, Inc.
(72) TREMBLEY, Jean-Philippe
HANSFORD, Neil, Robert
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 10159959
(32) 14.04.2010
(33) European Patent Office (EPO)
(47) 15.05.2019

(51) B02C 17/18
B02C 17/16
(11) EP3391969
(21) EP17166864.3
(22) 18.04.2017
(54) DIMENSIONALLY STABLE RING ELEMENT FOR A HEAT EXCHANGE JACKET
(73) Willy A. Bachofen AG
(72) SIMONS, Benedikt
GROSS, Lionel
MARTIN, Guillaume
(74) ir. J.C. Volmer c.s.
(47) 29.05.2019

(51) B02C 18/18
B02C 18/14
(11) EP1789196
(21) EP05784053.0
(22) 16.09.2005
(54) BLADE CARRIER FOR COMMINUTING DEVICES
(73) Doppstadt Familienholding GmbH
(72) DOPPSTADT, Johann
BERGER, Horst
(74) ir. W.J.J.M. Kempes
(31) 202004014546 U
202005009859 U
(32) 16.09.2004
21.06.2005
(33) Germany
Germany
(47) 22.05.2019

(51) B02C 18/20
B02C 18/06
(11) EP1945367
(21) EP06805459.2
(22) 19.10.2006
(54) MEAT CUTTER
(73) KNECHT MASCHINENBAU GMBH
(72) KNECHT, Manfred
EICHERT, Christian
(74) ir. W.J.J.M. Kempes
(31) 102005052191
(32) 28.10.2005
(33) Germany
(47) 22.05.2019

(51) B04B 5/04
B04B 7/08
(11) EP3325168
(21) EP16741696.5
(22) 15.07.2016
(54) METHOD AND APPARATUS FOR SAMPLE SEPARATION AND COLLECTION
(73) Stat-Diagnostica & Innovation, S.L.
(72) BRU GIBERT, Rafael
KUPHAL, Mathias
CARRERA FABRA, Jordi
MARTIN BLANCO, Ricard
RAMÍREZ, Francisco Javier
(74) ir. W.J.J.M. Kempes
(31) 201562193954 P
201615210689
(32) 17.07.2015
14.07.2016
(33) United States of America
United States of America
(47) 29.05.2019

(51) B05C 1/00
B05C 5/02
B05C 11/10
B05D 1/26
H01L 21/56
H01L 21/67
H01L 23/00
(11) EP2666545
(21) EP12736584.9
(22) 18.01.2012
(54) METHOD FOR APPLYING LIQUID MATERIAL AND APPLICATION DEVICE
(73) Musashi Engineering, Inc.
(72) IKUSHIMA, Kazumasa
(74) ir. J.M.G. Dohmen c.s.
(31) 2011008648
(32) 19.01.2011
(33) Japan
(47) 15.05.2019

(51) B05D 1/00
H01J 37/32
B05D 3/04

(11) EP3140047
(21) EP15719495.2
(22) 06.05.2015
(54) METHOD FOR FORMING REGULAR POLYMER THIN FILMS USING ATMOSPHERIC PLASMA DEPOSITION
(73) Luxembourg Institute of Science and Technology (LIST)
(72) BOSCHER, Nicolas
CHOQUET, Patrick
DUDAY, David
HILT, Florian
(74) ir. W.J.J.M. Kempes
(31) 92445
(32) 07.05.2014
(33) Luxembourg
(47) 24.04.2019

(51) B05D 1/18
B05D 5/06
A44C 17/00
C04B 41/50
C04B 41/52
(11) EP2303471
(21) EP09798852.1
(22) 20.07.2009
(54) METHOD FOR PRODUCING NANOCRYSTALLINE DIAMOND COATINGS ON GEMSTONES
(73) Neogi, Suneeta
Neogi, Jayant
(72) Neogi, Suneeta
Neogi, Jayant
(74) J.M.H. Duyver lic.
(31) 82030 P
(32) 18.07.2008
(33) United States of America
(47) 26.06.2019

(51) B08B 3/02
B08B 3/00
A61B 1/12
A61B 90/70
(11) EP3012035
(21) EP14187165.7
(22) 30.09.2014
(54) Cleaning device
(73) Renato Polinari de Araujo
(72) Renato Polinari de Araujo
FAUSTO, Fernandes Hilario Gomes
(74) ir. W.J.J.M. Kempes
(47) 24.04.2019

(51) B21D 51/54
B21D 22/02
B21D 41/04
B23D 21/14
B26D 3/16
F42B 5/28
(11) EP2900398
(21) EP13842485.8
(22) 04.09.2013
(54) PRECISION FORGED CARTRIDGE CASE
(73) National Machinery LLC
(72) HAY, Thomas, E.
CARPER, Jeffrey, W.
WASSERMAN, Stanley, J.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201213628246
(32) 27.09.2012
(33) United States of America
(47) 05.06.2019

(51) B23K 20/12
C22C 29/08
C23C 16/30
(11) EP2776204
(21) EP12801448.7
(22) 09.11.2012
(54) FRICTION STIR WELDING TOOL MADE OF CEMENTED TUNGSTEN CARBID WITH NICKEL AND WITH A AL2O3 SURFACE COATING
(73) Hyperion Materials & Technologies (Sweden) AB
(72) EDERYD, Stefan
NORDENSTRÖM, Henrik
(74) ir. P.J. Hylarides c.s.
(31) 11188809
(32) 11.11.2011
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) B23K 26/36
F16K 17/16
(11) EP2969371
(21) EP13723569.3
(22) 12.03.2013
(54) SAFETY DISCS AND METHOD
(73) Donadon Safety Discs and Devices S.R.L.
(72) MODENA, Mario
DONADON, Antonio Ruggero Sante
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 01.05.2019

(51) B25B 15/00
F16B 23/00
(11) EP3319759
(21) EP16738105.2
(22) 06.07.2016
(54) SCREWING TOOL AND CORRESPONDING SCREW
(73) IPP Industries Sarl
(72) TISSIERES, Christian
(74) J.M.H. Duyver lic.
(31) 15175761
(32) 07.07.2015
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) B25J 9/00
B25J 9/16
A01G 9/08
(11) EP3247196
(21) EP16700971.1
(22) 18.01.2016
(54) APPARATUS AND METHOD FOR PLANTING PLANT CUTTINGS
(73) IG Specials B.V.
(72) VAN DER EL, Wim
(74) drs. W.H.P. Derks
(31) 2014155
(32) 19.01.2015
(33) Netherlands
(47) 24.04.2019

(51) B26B 5/00
(11) EP3112099
(21) EP16001041.9
(22) 09.05.2016
(54) KNIFE
(73) MARTOR KG
(72) Schekalla, Peter
(74) ir. F.A. Geurts c.s.
(31) 102015008407
(32) 02.07.2015
(33) Germany
(47) 15.05.2019

(51) B26B 19/04
(11) EP3037223
(21) EP15200807.4
(22) 17.12.2015
(54) DRY SHAVER
(73) Braun GmbH
(72) Piesker, Thorsten
Erndt, Andreas
Herzenstiel, Ines
Hottenrott, Sebastian
(31) 14200232
(32) 23.12.2014
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) B26D 3/26
B26D 3/11
(11) EP3307501
(21) EP16730772.7
(22) 10.06.2016
(54) CUTTING DEVICE FOR FOOD ITEMS
(73) Genius GmbH
(72) REPAC, Cedomir
(74) ir. W.J.J.M. Kempes
(31) 102015109402
(32) 12.06.2015
(33) Germany
(47) 08.05.2019

(51) B26D 5/00
A22C 17/00
G01G 13/00
(11) EP2691217
(21) EP12713044.1
(22) 27.03.2012
(54) APPARATUS AND METHOD FOR AUTOMATICALLY MONITORING AN APPARATUS FOR PROCESSING MEAT PRODUCTS
(73) Nordischer Maschinenbau Rud. Baader GmbH + Co. KG
(72) JÜRS, Michael
JACOBSEN, Ulf
PEDERSEN, Henning B.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102011015849
(32) 28.03.2011
(33) Germany
(47) 08.05.2019

(51) B27N 3/00
B27N 3/08
(11) EP2311616
(21) EP10175982.7
(22) 09.09.2010
(54) Apparatus and method for surface treatment of a body
(73) Huntonit AS
(72) Torland, Kjell
(74) ir. J.M.G. Dohmen c.s.
(31) 20093015
(32) 17.09.2009
(33) Norway
(47) 01.05.2019

(51) B28D 1/04

B28D 1/14
B28D 1/18
(11) EP2818288
(21) EP14173806.2
(22) 25.06.2014
(54) Tool crown, process for manufacturing a glass or glass ceramic element and glass or glass ceramic mirror support for a telescope
(73) Schott AG
(72) Mischke, Stefan
Werner, Thomas
Weisenburger, Marco
(74) ir. W.J.J.M. Kempes
(31) 102013106612
(32) 25.06.2013
(33) Germany
(47) 15.05.2019

(51) B29B 7/42
B29B 7/60
B29B 7/74
B29B 17/04
B29C 47/36
B29C 47/38
B29C 47/60
B29C 47/66
B29C 47/80
B29C 47/82
B29C 47/84
B01J 19/18
C08C 3/02
C08J 11/10
C08J 11/12
C08L 17/00
B29B 7/48
B29C 47/62
B29K 21/00
B29K 105/26
(11) EP3115402
(21) EP14884372.5
(22) 05.11.2014
(54) SINGLE SCREW EXTRUSION SYSTEM FOR DESULFURIZATION AND POST-PROCESSING OF WASTE RUBBER, AND RELATED METHOD FOR PREPARING RECLAIMED RUBBER
(73) Qingdao University Of Science And Technology
Lv, Xiaolong
Lv, Baiyuan
Qingdao Gaoji Technology Co., Ltd.
(72) LV, Baiyuan
LV, Xiaolong
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201410080452
(32) 06.03.2014
(33) China
(47) 01.05.2019

(51) B29B 11/16
(11) EP3215336
(21) EP15790932.6
(22) 05.11.2015
(54) SYSTEM AND METHOD FOR THE CONTINUOUS PRODUCTION OF CURVED PREFORMS
(73) Deutsches Zentrum für Luft- und Raumfahrt e.V.
(72) STAHL, Arne
BORGWARDT, Henrik
DEHN, Sascha
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014116270
(32) 07.11.2014
(33) Germany
(47) 24.04.2019

(51) B29C 35/04
B29C 63/00
B29C 63/06
B29C 70/08
B29D 23/00
B29K 27/12
B29K 27/18
B29K 105/18
B29K 105/06
B29K 309/08
B29L 9/00
B29L 23/00
B29K 307/00
B32B 1/08
F16L 9/12
(11) EP1333210
(21) EP03001422.9
(22) 22.01.2003
(54) Composite pipe with a PTFE inner layer and a fibre-reinforced plastic outer layer
(73) Steuler Korrosionsschutz Holding GmbH
(72) Troschitz, Ralf
Schmidt, Willibald
Weisenfeld, Heribert
(74) J.M.H. Duyver lic.
(31) 10203123
(32) 25.01.2002
(33) Germany
(47) 08.05.2019

(51) B29C 51/14
B29C 51/26
B29C 70/54
B29K 101/12
(11) EP3065931
(21) EP14799365.3
(22) 04.11.2014
(54) DEVICE AND METHOD FOR FORMING A COMPOSITE PANEL FROM A THERMOPLASTIC MATRIX
(73) Daher Aerospace
(72) ZAWADKA, Laurent
(74) J.M.H. Duyver lic.
(31) 1360992
(32) 09.11.2013
(33) France
(47) 08.05.2019

(51) B29C 64/112
B33Y 30/00
(11) EP3166774
(21) EP15821817.2
(22) 13.07.2015
(54) METHOD AND SYSTEM FOR ROTATIONAL 3D PRINTING
(73) Stratasys Ltd.
(72) MENCHIK, Guy
CARLSON, Andrew James
HEDLUND, Jonathan Bennhard
CAMPION, Kevin Ready
SIMON, Robert Earl
PETERSON, Nathaniel Michael
BEAVER, Scott Wayne
LEVIN, Evgeni
LIBINSON, Alexander
BRESSLER, Yoav
(74) ir. W.J.J.M. Kempes
(31) 201462023897 P
(32) 13.07.2014
(33) United States of America
(47) 22.05.2019

(51) B29C 64/393
(11) EP2734946
(21) EP12814245.2
(22) 20.07.2012
(54) SYSTEMS AND METHODS FOR THREE DIMENSIONAL PRINTING
(73) Shapeways, Inc.
(72) SCHOUWENBURG, Robert, D.
HUDSON, Alan, D.
(74) ir. W.J.J.M. Kempes
(31) 201161509769 P
(32) 20.07.2011
(33) United States of America
(47) 24.04.2019

(51) B29C 65/02
B29C 65/48
(11) EP3269532
(21) EP17177178.5
(22) 21.06.2017
(54) METHOD FOR JOINING TWO FIBRE COMPOSITE JOINING PARTNERS
(73) Deutsches Zentrum für Luft- und Raumfahrt e.V.
(72) Schmidt, Jochen
Kleineberg, Dr. Markus
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102016111635
(32) 24.06.2016
(33) Germany
(47) 22.05.2019

(51) B29C 70/38
B29C 65/00
B29C 65/16
B30B 5/02
B30B 5/04
B29C 65/14
B29C 65/18
B29C 65/26
B29C 65/72
B29K 71/00
B29K 105/06
B29K 307/00
B29K 101/12
(11) EP2337670
(21) EP08874922.1
(22) 18.09.2008
(54) METHOD AND DEVICE FOR PRODUCING COMPOSITE MATERIAL COMPONENTS AND CONTACT PRESSURE UNIT
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) STEYER, Martin
SCHMITZ, Sebastian
KÖLZER, Patrick
(74) J. Hoekstra
(47) 24.04.2019

(51) B29C 73/10
B29C 65/48
B29L 30/00
(11) EP2493679

(21) EP10768409.4
(22) 08.10.2010
(54) REPAIR PATCH FOR AN ELASTOMER COMPONENT, IN PARTICULAR FOR A VEHICLE TIRE, HAVING INCREASED ADHESIVE STRENGTH
(73) Rema Tip Top AG
(72) CASPER, Christian
RAUCH, Christian
SCHEUNGRABER, Patric
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102009050899
(32) 27.10.2009
(33) Germany
(47) 24.04.2019

(51) B29D 30/00
B60C 23/04
(11) EP2920010
(21) EP13854320.2
(22) 13.11.2013
(54) RFID TAG WITH RUBBER, ELASTOMER, OR POLYMER ANTENNA
(73) Cooper Tire & Rubber Company
(72) TUCKER, Randall, L.
(74) ir. C.M. Jansen c.s.
(31) 201261725814 P
(32) 13.11.2012
(33) United States of America
(47) 22.05.2019

(51) B32B 9/00
B32B 9/04
B32B 17/06
G06F 3/044
G06F 3/041
(11) EP3012718
(21) EP15184157.4
(22) 08.09.2015
(54) TOUCH PANEL AND THREE-DIMENSIONAL COVER PLATE THEREOF
(73) TPK Touch Solutions (Xiamen) Inc.
(72) Lee, Yuh-Wen
Hsia, Hsiang-Lung
Dai, Quanfen
Ye, Dongmei
(74) ir. P.J. Hylarides c.s.
(31) 201410562042
(32) 21.10.2014
(33) China
(47) 08.05.2019

(51) B32B 27/08
B32B 27/36
(11) EP3251841
(21) EP17172410.7
(22) 23.05.2017
(54) BIAXIALLY ORIENTED, UV-STABILIZED, SINGLE OR MULTI-LAYER POLYESTER FILM WITH AT LEAST ONE-SIDED ANTIREFLECTION COATING (ANTIGLARE) AND A TRANSPARENCY OF AT LEAST 93.5%
(73) Mitsubishi Polyester Film GmbH
(72) Kliesch, Holger
Bork, Andreas
Lohre, Claudia
Fischer, Ingo
Ünker, Yavuz
(74) ir. C.M. Jansen c.s.
(31) 102016209294
(32) 30.05.2016
(33) Germany
(47) 10.07.2019

(51) B32B 27/20
(11) EP3016802
(21) EP14734451.9
(22) 26.06.2014
(54) MULTILAYER PANEL
(73) Renolit SE
(72) UNVERICHT, Reinhard
ODINO, Adriano
FOGLIATI, Massimiliano
(74) mr. ir. J.H. Klooster
(31) GE20130064
(32) 04.07.2013
(33) Italy
(47) 15.05.2019

(51) B41F 7/06
B41F 11/02
(11) EP2647505
(21) EP11845292.9
(22) 29.11.2011
(54) BANKNOTE PRINTING MACHINE
(73) Komori Corporation
(72) KAMODA Hiroyoshi
(74) ir. C.M. Jansen c.s.
(31) 2010270055
2011248390
(32) 03.12.2010
14.11.2011
(33) Japan
Japan
(47) 19.06.2019

(51) B41J 2/045
B41J 2/05
(11) EP3318407
(21) EP17207536.8
(22) 06.04.2005
(54) FLUID EJECTION DEVICE
(73) Hewlett-Packard Development Company, L.P.
(72) BANJAMIN, Trudy L.
AXTELL, James P.
(74) dr. W.A.H.M. Van Borm
(31) 827163
(32) 19.04.2004
(33) United States of America
(47) 05.06.2019

(51) B41J 11/00
B41J 11/06
B41J 11/02
B41J 13/22
B41J 15/04
(11) EP3271184
(21) EP15745418.2
(22) 17.07.2015
(54) SUCTION FORCE CALIBRATION
(73) Hewlett-Packard Development Company, L.P.
(72) GRACIA VERDUGO, Antonio
FLOTATS VILLAGRASA, Carles
FORT FILGUEIRA, Aleix
(74) dr. W.A.H.M. Van Borm
(47) 01.05.2019

(51) B60B 5/02
B60B 1/00
B60B 1/08
B60B 1/14
(11) EP2712742
(21) EP12190218.3
(22) 26.10.2012
(54) Motor housing integrated-type spoke for electric bicycle, manufacturing method thereof, wheel assembly having the same and manufacturing method thereof
(73) Mando Corporation
(72) Ko, Chang Bok
Kim, Jeong Rae
(74) ir. H.J.G. Lips c.s.
(31) 20120104248
(32) 19.09.2012
(33) Korea (Republic)
(47) 01.05.2019

(51) B60C 9/22
B29L 30/00
B60C 9/02
B29K 105/08
B60C 9/20
B29D 30/38
B60C 9/00
B60C 9/14
B29C 43/28
B29C 43/24
B29K 667/00
B29K 105/20
B29D 30/30
B29K 21/00
(11) EP3277867
(21) EP16714840.2
(22) 30.03.2016
(54) METHOD FOR MANUFACTURING A REINFORCING STRUCTURE FOR VEHICLE TYRES
(73) Compagnie Générale des Etablissements Michelin
(72) FABRE, Thomas
PIALOT, Frédéric
BOISDON, Bertrand
(74) ir. W.J.J.M. Kempes
(31) 1552667
(32) 30.03.2015
(33) France
(47) 08.05.2019

(51) B60C 11/13
B60C 11/03
(11) EP3271194
(21) EP15807636.4
(22) 07.12.2015
(54) PNEUMATIC VEHICLE TYRE
(73) Continental Reifen Deutschland GmbH
(72) KLEFFMANN, Jens
HODONOVA, Katarina
HÄRTWIG, Andreas
(74) ir. W.J.J.M. Kempes
(31) 102015205006
(32) 19.03.2015
(33) Germany
(47) 08.05.2019

(51) B60C 13/00
B60C 3/04
B60C 13/04
(11) EP3322598
(21) EP16703542.7
(22) 09.02.2016

(54) PNEUMATIC VEHICLE TYRE
(73) Continental Reifen Deutschland GmbH
(72) HABICHT, Stefan
HOLSTE, Werner
(74) ir. W.J.J.M. Kempes
(31) 102015213403
(32) 16.07.2015
(33) Germany
(47) 08.05.2019

(51) B60K 28/14
(11) EP3260325
(21) EP17165892.5
(22) 11.04.2017
(54) METHOD AND APPARATUS FOR PREVENTING A ROLLOVER OF A BICYCLE
(73) Robert Bosch GmbH
(72) Klug, Silas
Faust, Arno
Dasbach, Gregor
Greiner, Rinaldo
Widmaier, Georg
Donotek, Michael
Wienss, Andreas
Moia, Alessandro
(74) ir. C.M. Jansen c.s.
(31) 102016210928
(32) 20.06.2016
(33) Germany
(47) 12.06.2019

(51) B60P 3/20
(11) EP2535223
(21) EP12171086.7
(22) 06.06.2012
(54) Arrangement of means for mounting and handling a retractable partition
(73) Pommier Italia S.r.l.
(72) Guidetti, Stefano
(74) J.M.H. Duyver lic.
(31) 1155210
(32) 15.06.2011
(33) France
(47) 15.05.2019

(51) B60S 1/40
B60S 1/38
(11) EP2734420
(21) EP12731498.7
(22) 06.07.2012
(54) WIPER BLADE ADAPTER SYSTEM
(73) Robert Bosch GmbH
(72) HERINCKX, Dirk
DEPONDT, Helmut
BEX, Koen
(74) ir. C.M. Jansen c.s.
(31) 102011079470
(32) 20.07.2011
(33) Germany
(47) 19.06.2019

(51) B60S 1/40
B60S 1/38
(11) EP2797787
(21) EP12810227.4
(22) 19.12.2012
(54) WIPER BLADE DEVICE
(73) Robert Bosch GmbH
(72) SAEVELS, Peter
(74) ir. C.M. Jansen c.s.
(31) 102011089930
(32) 27.12.2011
(33) Germany
(47) 19.06.2019

(51) B60S 9/18
B60D 1/66
(11) EP2712777
(21) EP13173420.4
(22) 24.06.2013
(54) Support device that can be attached to a trailer tow bar
(73) Winterhoff GmbH
(72) Winterhoff, Ulrich
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 202012103709 U
(32) 27.09.2012
(33) Germany
(47) 24.04.2019

(51) B60T 13/26
B60T 13/68
B60T 17/22
B60T 7/20
B60T 8/26
(11) EP2164733
(21) EP08758580.8
(22) 16.05.2008
(54) BRAKING SYSTEM FOR A UTILITY VEHICLE THAT CAN BE PNEUMATICALLY COUPLED TO A TRAILER, AND METHOD FOR OPERATING SUCH A BRAKING SYSTEM
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) HILBERER, Eduard
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102007023345
(32) 16.05.2007
(33) Germany
(47) 01.05.2019

(51) B60T 13/66
B60T 17/22
G01L 5/28
(11) EP2404800
(21) EP11002665.5
(22) 31.03.2011
(54) Method and device for carrying out a brake test for trailer vehicles
(73) MAN Truck & Bus AG
(72) Staufer, Werner
Gerusel, Karsten, Dr.
(74) ir. J.M.G. Dohmen c.s.
(31) 102010026411
(32) 07.07.2010
(33) Germany
(47) 19.06.2019

(51) B60T 17/00
B01D 53/26
(11) EP2544933
(21) EP11708434.3
(22) 03.03.2011
(54) AIR DRYER CARTRIDGE AND METHOD FOR OPERATING AN AIR DRYER CARTRIDGE
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) HILBERER, Eduard
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102010010882
(32) 10.03.2010
(33) Germany
(47) 08.05.2019

(51) B60W 10/20
B62D 15/02
B60W 30/12
B60W 30/10
(11) EP2974943
(21) EP15001136.9
(22) 17.04.2015
(54) TRANSVERSE GUIDANCE SYSTEM FOR ADAPTIVE AUTOMATED TRANSVERSE GUIDANCE OF A VEHICLE
(73) MAN Truck & Bus AG
(72) Völl, Sebastian
Schwertberger, Walter
Römersperger, Xaver
Peters, Samuel
Reule, Michael
Kraus, Sven
(74) ir. J.M.G. Dohmen c.s.
(31) 102014009415
(32) 24.06.2014
(33) Germany
(47) 05.06.2019

(51) B60W 20/00
B60W 10/06
B60W 10/02
B60W 10/08
B60W 20/10
F02N 11/00
(11) EP3274231
(21) EP16767744.2
(22) 21.03.2016
(54) HYBRID ELECTRIC VEHICLE, DRIVE CONTROL METHOD AND DEVICE OF THE SAME
(73) BYD Company Limited
(72) LIAN, Yubo
YANG, Dongsheng
ZHANG, Jintao
LUO, Hongbin
(74) ir. W.J.J.M. Kempes
(31) 201510134343
(32) 25.03.2015
(33) China
(47) 08.05.2019

(51) B61F 19/00
B01D 1/00
B61F 19/06
C02F 1/14
C02F 1/18
C02F 103/00
C02F 103/08
(11) EP3109124
(21) EP15305964.7
(22) 23.06.2015
(54) A RAILWAY BOGIE WITH A WINTERPROOF PIPING AND WIRING PROTECTING IMPACT GUARD
(73) ALSTOM Transport Technologies
(72) MEYER, Ulrich
KAUFMANN, Holger
KULP, Michael
(74) ir. A.R. Aalbers
(47) 08.05.2019

(51) B61L 25/04
B61L 1/00

(11) EP3178719
(21) EP16191363.7
(22) 29.09.2016
(54) TRAIN TYPE IDENTIFICATION METHOD AND SYSTEM, AND SECURITY INSPECTION METHOD AND SYSTEM
(73) Nuctech Company Limited
(72) XU, Yanwei
YU, Weifeng
(74) ir. W.J.J.M. Kempes
(31) 201510896409
(32) 08.12.2015
(33) China
(47) 24.04.2019

(51) B62B 3/00
B62B 5/02
B60G 3/02
B60B 33/04
(11) EP3307602
(21) EP16726882.0
(22) 03.06.2016
(54) TRANSPORT TROLLEY
(73) ThyssenKrupp Marine Systems GmbH
thyssenkrupp AG
(72) POPALL, Christian
(74) ir. C.M. Jansen c.s.
(31) 102015210613
(32) 10.06.2015
(33) Germany
(47) 22.05.2019

(51) B62D 25/06
B62D 29/00
B62D 27/02
(11) EP2939907
(21) EP13868383.4
(22) 24.12.2013
(54) STRUCTURE FOR FIXING AUTOMOTIVE ROOF MODULE
(73) POSCO
(72) SEO, Min-Hong
LEE, Mok-Young
AHN, Kanghwan
KIM, Ju-Hyung
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120155746
(32) 28.12.2012
(33) Korea (Republic)
(47) 29.05.2019

(51) B62K 5/007
B60K 31/04
B62K 5/025
B62K 11/14
B62K 23/06
(11) EP3299268
(21) EP17193552.1
(22) 27.09.2017
(54) CRUISE CONTROL SYSTEM FOR ELECTRIC MOBILITY SCOOTER AND ELECTRIC MOBILITY SCOOTER THEREWITH
(73) STG Consulting Co., Limited
(72) Dong, Qian
Chu, Zhongwei
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201662400345 P
201715715928
(32) 27.09.2016
26.09.2017
(33) United States of America
United States of America
(47) 01.05.2019

(51) B62K 15/00
(11) EP2897855
(21) EP13838377.3
(22) 18.03.2013
(54) FOLDING BICYCLE
(73) Priest, Richard
Fu, Warren
Casablancas, Julian
(72) Priest, Richard
Fu, Warren
Casablancas, Julian
(74) ir. H.J.G. Lips c.s.
(31) 201213622890
(32) 19.09.2012
(33) United States of America
(47) 01.05.2019

(51) B63B 1/32
B63B 39/06
(11) EP2774836
(21) EP14157885.6
(22) 05.03.2014
(54) Watercraft, in particular tugboat
(73) Voith Patent GmbH
(72) Dr. Jürgens, Dirk
Palm, Michael
(74) ir. W.J.J.M. Kempes
(31) 102013204033
(32) 08.03.2013
(33) Germany
(47) 08.05.2019

(51) B63B 1/38
(11) EP3290325
(21) EP16186407.9
(22) 30.08.2016
(54) AIR LUBRICATION SYSTEM WITH A WAVE DEFLECTOR FOR A VESSEL
(73) Silverstream Technologies B.V.
(72) Silberschmidt, Noah
Clausen, Jørgen
Johannesson, Johannes
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 22.05.2019

(51) B63B 23/30
B63B 23/40
B63B 27/14
B65G 67/60
B63C 11/00
B63C 11/34
(11) EP3126214
(21) EP15888631.7
(22) 10.04.2015
(54) A VESSEL HAVING A RETRACTABLE CURSOR FRAME ASSEMBLY
(73) Keppel Offshore & Marine Technology Centre Pte Ltd
(72) JAIN, Amit
HUSSAIN, Anis Altaf
MERCHANT, Aziz Amirali
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 22.05.2019

(51) B63B 35/50
G02B 27/01
(11) EP3034389
(21) EP15200852.0
(22) 17.12.2015
(54) NAVAL PLATFORM WITH AN AVIATION AREA FOR EXAMPLE FOR OPERATING A DRONE
(73) NAVAL GROUP
(72) MORESVE, Julien
MATHIEU, Benoît Pierre Henri
LE GUEN, Pierre-Yves André
(74) ir. A.R. Aalbers
(31) 1402888
(32) 17.12.2014
(33) France
(47) 01.05.2019

(51) B63B 35/68
B63H 5/10
B63H 5/125
B63H 5/16
B63H 1/10
(11) EP3259180
(21) EP16716918.4
(22) 02.02.2016
(54) TUGBOAT PROVIDED WITH A CARROUSEL-TYPE TOWING SYSTEM
(73) Nova Patent B.V.
(72) MULLER, Cornelis Levinus
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014304
(32) 17.02.2015
(33) Netherlands
(47) 19.06.2019

(51) B63C 3/12
B60P 3/10
(11) EP3072806
(21) EP16161401.1
(22) 21.03.2016
(54) A SYSTEM FOR LIFTING AND LAUNCHING A BOAT
(73) Almas Solutions Oy
(72) Lindholm, Johan
(74) ir. W.J.J.M. Kempes
(31) 20155218
(32) 27.03.2015
(33) Finland
(47) 10.07.2019

(51) B64D 11/02
(11) EP2900554
(21) EP13773564.3
(22) 26.09.2013
(54) LAVATORY WITH STOWAGE COMPARTMENT
(73) BE Aerospace, Inc.
(72) GRIEVE, James C.
BANFIELD, William J.
HASHBERGER, Frank E.
(74) ir. H.J.G. Lips c.s.
(31) 201261707422 P
201314036273
(32) 28.09.2012
25.09.2013
(33) United States of America
United States of America
(47) 03.07.2019

(51) B65B 11/48
B65B 11/50
B65B 55/08
C08J 7/04
C12M 1/00

C12N 1/04
B32B 27/00
B65D 65/42
B65D 77/04
(11) EP3083410
(21) EP14828261.9
(22) 19.12.2014
(54) USE OF A POLYMERIC FILM FOR THE PACKAGING OF A CULTURE MEDIUM
(73) bioMérieux
(72) TETART, Bruno
SIMON, Nathalie
(74) ir. W.J.J.M. Kempes
(31) 1363241
(32) 20.12.2013
(33) France
(47) 01.05.2019

(51) B65B 35/44
B65B 25/06
B65B 5/12
A22C 17/00
B26D 7/32
B65G 54/02
B65G 47/08
B65G 47/71
B65B 35/36
B65B 57/14
(11) EP3227188
(21) EP15816712.2
(22) 14.12.2015
(54) CONVEYING DEVICE HAVING PORTION TRANSFER
(73) Weber Maschinenbau GmbH Breidenbach
(72) BURK, Alexander
ECKHARDT, Christoph
GERLACH, Jochen
NICHAU, Marco
NISPEL, Thomas
ROTHER, Ingo
VON KEUDELL, Leopold
ZECHER, Steffen
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014118978
(32) 18.12.2014
(33) Germany
(47) 29.05.2019

(51) B65B 57/00
B31B 50/25
B31F 1/08
B65D 5/42
B65B 9/10
(11) EP3166854
(21) EP15728893.7
(22) 17.06.2015
(54) A PACKAGE
(73) Tetra Laval Holdings & Finance S.A.
(72) JOHANSSON, Hans
BERGHOLTZ, Lars
QUIST, Jens
(74) ir. W.J.J.M. Kempes
(31) 14172823
(32) 17.06.2014
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) B65B 57/04
B65B 11/02
B65B 11/04
(11) EP3301032
(21) EP17199698.6
(22) 13.02.2014
(54) CONTAINMENT FORCE-BASED WRAPPING
(73) Lantech.Com LLC
(72) LANCASTER, III, Patrick R.
MITCHELL, Michael
(74) ir. C.M. Jansen c.s.
(31) 201361764107 P
(32) 13.02.2013
(33) United States of America
(47) 01.05.2019

(51) B65D 5/42
B65D 5/06
B65D 77/22
B65D 5/02
(11) EP3192745
(21) EP17159609.1
(22) 02.09.2011
(54) PACKING CONTAINER
(73) Georgia-Pacific Corrugated LLC
(72) AKSAN, Yavuz
WIDNER, Ernest Barfield
GASIOR, Wayne P.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 379808 P
(32) 03.09.2010
(33) United States of America
(47) 15.05.2019

(51) B65D 47/04
B65D 47/32
(11) EP2921422
(21) EP13855208.8
(22) 12.11.2013
(54) MULTI-FLOW DOSAGE CAP
(73) Borges Branded Foods SLU
(72) MARTINEZ CARREGUI, Alberto
GARCIA ZARAGOZA, José
(74) ir. C.M. Jansen c.s.
(31) 201201029
(32) 13.11.2012
(33) Spain
(47) 08.05.2019

(51) B65D 51/20
(11) EP3085636
(21) EP15164282.4
(22) 20.04.2015
(54) SEALING FOIL WITH TEAR LINE
(73) N.V. Nutricia
(72) JOBSE, Pieter, Samuel
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 19.06.2019

(51) B65D 81/26
B65D 69/00
B65D 73/00
B65D 1/24
B65D 51/18
B65D 43/16
B65D 83/08
(11) EP2796386
(21) EP14170403.1
(22) 10.10.2003
(54) Use of a substantially moisture tight container and cap assembly
(73) CSP Technologies, Inc.
(72) Giraud, Jean-Pierre
(74) ir. W.J.J.M. Kempes
(31) 417533 P
(32) 10.10.2002
(33) United States of America
(47) 15.05.2019

(51) B65D 83/42
B01F 13/06
B01F 15/02
C08G 18/08
C08G 18/62
B01F 15/00
B01F 13/00
B05D 1/02
C09D 163/00
C09D 175/04
C09D 7/20
C09D 7/63
C08G 59/50
(11) EP3288860
(21) EP16786847.0
(22) 10.02.2016
(54) TWO-COMPONENT PAINT SYSTEM
(73) Paragon Nordic AB
(72) WIKSTRAND, Carl Tommy
KARJUS, Kristian
BURSTEDT, Malin
SILVANDER, Mats
(74) ir. W.J.J.M. Kempes
(31) 1550507
(32) 28.04.2015
(33) Sweden
(47) 26.06.2019

(51) B65D 85/804
A47J 31/06
A47J 31/36
(11) EP3150512
(21) EP16196383.0
(22) 30.12.2009
(54) CAPSULE, SYSTEM AND METHOD FOR PREPARING A PREDETERMINED QUANTITY OF BEVERAGE SUITABLE FOR CONSUMPTION
(73) Koninklijke Douwe Egberts B.V.
(72) Kamerbeek, Ralf
Flamand, John Henri
van Loon-Post, Angenita Dorothea
Koeling, Hendrik Cornelis
Biesheuvel, Arend Cornelis Jacobus
(74) ir. C.M. Jansen c.s.
(31) 09162895
09162914
09162931
09163310
09167851
09170590
(32) 17.06.2009
17.06.2009
17.06.2009
19.06.2009
13.08.2009
17.09.2009
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
(47) 08.05.2019

(51) B65G 1/137
B65G 1/04

(11) EP3141497
(21) EP15184246.5
(22) 08.09.2015
(54) METHOD FOR STORING A NUMBER OF IDENTICAL ARTICLES IN A COMMISSIONING SYSTEM
(73) Becton Dickinson Rowa Germany GmbH
(72) HELLENBRAND, Christoph
(74) J.M.H. Duyver lic.
(47) 26.06.2019

(51) B65G 43/10
B65G 47/31
(11) EP3072835
(21) EP16000577.3
(22) 10.03.2016
(54) CONVEYING METHOD
(73) DAIFUKU CO., LTD.
(72) Tsujimoto, Kazushi
Inatomi, Shinji
(74) ir. W.J.J.M. Kempes
(31) 2015065399
(32) 27.03.2015
(33) Japan
(47) 08.05.2019

(51) B65H 23/24
B41J 15/04
(11) EP3110735
(21) EP14825018.6
(22) 15.12.2014
(54) AIR SHOE WITH ROLLER PROVIDING LATERAL CONSTRAINT
(73) Eastman Kodak Company
(72) CORNELL, David J.
MUIR, Christopher M.
ARMBRUSTER, Randy E.
(74) ir. G.P. den Braber
(31) 201414190146
(32) 26.02.2014
(33) United States of America
(47) 22.05.2019

(51) B66C 23/00
(11) EP2789566
(21) EP13163339.8
(22) 11.04.2013
(54) Foldable crane
(73) HMF Group A/S
(72) Schmidt, Erling
Braendgaard, Gudmund
(74) ir. W.J.J.M. Kempes
(47) 10.07.2019

(51) B66C 23/34
(11) EP2210851
(21) EP09014123.5
(22) 11.11.2009
(54) Tower crane
(73) Liebherr-Werk Biberach GmbH
(72) Aßfalg, Martin, Dipl.-Ing.(FH)
Stanger, Norbert, Dr.Ing.
Zerza, Horst, Dipl.-Ing. (FH)
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102009005237
(32) 21.01.2009
(33) Germany
(47) 05.06.2019

(51) B66C 23/78
B66F 11/04
(11) EP3157856
(21) EP14758418.9
(22) 23.06.2014
(54) SUPPORT FRAME
(73) Socage S.r.l.
(72) VALENTINI, Renato
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 22.05.2019

(51) B66F 9/14
B66F 9/07
B65G 1/04
(11) EP3250497
(21) EP16702080.9
(22) 28.01.2016
(54) FLOOR CONVEYOR AND SYSTEM WITH A FLOOR CONVEYOR
(73) Hubtex Maschinenbau GmbH & Co. Kg
(72) KELLER, Jürgen
(74) ir. C.M. Jansen c.s.
(31) 102015101416
(32) 30.01.2015
(33) Germany
(47) 24.04.2019

(51) B67B 3/20
B65B 7/28
(11) EP3305716
(21) EP17382351.9
(22) 08.06.2017
(54) DEVICE FOR PLACING SCREW CAPS ON CONTAINERS
(73) KIRO GRIFOLS, S.L.
(72) LIZARI ILLARRAMENDI, Borja
ILZARBE ANDRES, Amaia
ANDRES PINEDA, Jose Ignacio
MOLINUEVO PORTAL, Clara
(74) ir. C.M. Jansen c.s.
(31) 201631309
(32) 10.10.2016
(33) Spain
(47) 10.07.2019

(51) B67D 1/00
B67D 1/08
(11) EP2632844
(21) EP11776440.7
(22) 28.10.2011
(54) DISPENSING APPLIANCE PROVIDED WITH A REMOVABLE DISPENSING CARTRIDGE
(73) Anheuser-Busch InBev S.A.
(72) VANDEKERCKHOVE, Stijn
PEIRSMAN, Daniel
(74) ir. J.P.E. Brants
(31) 10189473
(32) 29.10.2010
(33) European Patent Office (EPO)
(47) 15.05.2019

(51) B67D 3/00
B67D 7/02
(11) EP3033297
(21) EP14752841.8
(22) 14.08.2014
(54) CONTAINER FOR TRANSPORTING AND STORING A LIQUID
(73) Scholle IPN IP B.V.
(72) HUBER, Robert
SASTURAIN, Juan
METCALF, Roy
KRÖGER, Harald
GARNETT, Richard
(74) ir. J.C. Volmer c.s.
(31) 13180473
13180478
13180477
(32) 14.08.2013
14.08.2013
14.08.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
(47) 12.06.2019

(51) B81B 1/00
(11) EP2552823
(21) EP11719305.2
(22) 28.03.2011
(54) METHOD FOR FORMING DROPS IN A MICROFLUIDIC CIRCUIT
(73) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE -CNRS-
Ecole Polytechnique
(72) BAROUD, Charles
DANGLA, Rémi
(74) ir. W.J.J.M. Kempes
(31) 1001298
(32) 30.03.2010
(33) France
(47) 08.05.2019

(51) B81C 1/00
(11) EP3294666
(21) EP16726026.4
(22) 12.05.2016
(54) METHOD OF FORMING LOCAL NANO/MICRO SIZE STRUCTURES OF ANODIZED METAL
(73) Luxembourg Institute of Science and Technology (LIST)
(72) LAMBLIN, Guillaume
LENOBLE, Damien
MENGUELTI, Kevin
ROGÉ, Vincent
(74) ir. W.J.J.M. Kempes
(31) 92716
(32) 13.05.2015
(33) Luxembourg
(47) 01.05.2019

(51) B81C 1/00
G01Q 70/10
G01Q 70/16
(11) EP2231507
(21) EP08869344.5
(22) 22.12.2008
(54) A METHOD FOR MAKING A 3D NANOSTRUCTURE HAVING A NANOSUBSTRUCTURE, SUCH AS AN INSULATING PYRAMID HAVING A METALLIC TIP
(73) UNIVERSITEIT TWENTE
(72) BERENSCHOT, Johan Willem
TAS, Niels Roelof
(74) ir. P.J. Hylarides c.s.
(31) 08000094
(32) 06.01.2008
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) C01B 25/32
A61L 27/12
A61F 2/28
(11) EP2035331

(21) EP07730001.0
(22) 08.06.2007
(54) NANOMETRIC HYDROXYAPATITE AND SUSPENSIONS THEREOF, ITS PREPARATION AND USE
(73) Colorobbia Italia S.p.a.
(72) BALDI, Giovanni
BITOSSI, Marco
(74) drs. A.A. Jilderda
(31) FI20060139
(32) 08.06.2006
(33) Italy
(47) 22.05.2019

(51) C01B 39/48
C01B 37/00
C01B 39/02
C01B 33/20
B01J 29/04
C07C 2/84
(11) EP2588413
(21) EP11800291.4
(22) 01.07.2011
(54) METAL-BRIDGED PILLARED RUB-36 SILICATE COMPOUNDS AND PROCESS FOR THEIR PRODUCTION
(73) BASF SE
(72) YILMAZ, Bilge
MÜLLER, Ulrich
DE BAERDEMAEKER, Trees
GIES, Hermann
XIAO, Feng-Shou
TATSUMI, Takashi
BAO, Xinhe
ZHANG, Weiping
DE VOS, Dirk
(74) ir. W.J.J.M. Kempes
(31) PCT/CN2010/074920
(32) 02.07.2010
(33) World Intellectual Property Office (WIPO)
(47) 08.05.2019

(51) C01F 7/00
C01F 5/14
C01F 7/14
C02F 1/52
C02F 9/00
(11) EP2890641
(21) EP13774518.8
(22) 02.09.2013
(54) A NOVEL PROCESS FOR PREPARATION OF SYNTHETIC HYDROTALCITE FROM INDUSTRIAL WASTE
(73) Council of Scientific & Industrial Research
(72) GANDHI, Maheshkumar, Ramniklal
CHUNAWALA, Jatin, Rameshchandra
MEHTA, Satish, Hariray
(31) 603DE2012
(32) 02.09.2012
(33) India
(47) 24.04.2019

(51) C01F 7/16
B01D 53/94
B01J 37/02
B01J 37/03
B01J 21/10
B01J 37/08
B01J 23/00
B01J 23/34
C01G 45/12
F01N 3/08
B01J 37/00
B01J 35/00
(11) EP3277630
(21) EP16708940.8
(22) 08.03.2016
(54) NOX TRAP CATALYST SUPPORT MATERIAL WITH IMPROVED STABILITY AGAINST BAAL2O4 FORMATION
(73) SASOL Germany GmbH
(72) SCHÖNEBORN, Marcos
HARMENING, Thomas
NIEMEYER, Drik
ROLFS, Sönke
FABIAN, Johanna
(74) ir. W.J.J.M. Kempes
(31) 15158315
(32) 09.03.2015
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) C01F 11/24
C01D 3/04
C01D 7/18
C01D 7/00
C01D 3/16
C01D 3/08
B01F 17/00
B01D 21/32
(11) EP3265427
(21) EP16707752.8
(22) 02.03.2016
(54) PROCESS FOR MANUFACTURING AN AQUEOUS SODIUM CHLORIDE SOLUTION
(73) Solvay SA
(72) DELPLANCHE, Thierry
THIJSSEN, Marc
BREUGELMANS, Dirk
(74) ir. W.J.J.M. Kempes
(31) 15157233
(32) 02.03.2015
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) C01G 19/00
C01B 19/00
C01B 17/00
(11) EP2994422
(21) EP14747118.9
(22) 13.03.2014
(54) PROCEING CU2XSNQ4 NANOPARTICLES
(73) Nanoco Technologies Ltd
(72) GRESTY, Nathalie
HARRIS, James
MASALA, Ombretta
PICKETT, Nigel
WYLDE, Laura
NEWMAN, Christopher
(74) ir. C.M. Jansen c.s.
(31) 201361799456 P
(32) 15.03.2013
(33) United States of America
(47) 24.04.2019

(51) C02F 3/06
C02F 101/10
C02F 3/04
(11) EP3067327
(21) EP16159155.7
(22) 08.03.2016
(54) BACKWASH METHOD FOR BIOLOGICAL REACTORS
(73) BL Technologies, Inc.
(72) LIU, Minggang
GOLDSTEIN, Jake
OWERDIECK, Carsten
FONSECA, Nelson
(74) ir. C.M. Jansen c.s.
(31) 201562131328 P
201514969696
(32) 11.03.2015
15.12.2015
(33) United States of America
United States of America
(47) 08.05.2019

(51) C03B 3/02
C03B 5/235
(11) EP3138820
(21) EP16187117.3
(22) 02.09.2016
(54) APPARATUS AND METHOD FOR PRE-HEATING FEEDSTOCK TO A MELTER USING MELTER EXHAUST
(73) Johns Manville
(72) Huber, Aaron Morgan
(74) ir. F.A. Geurts c.s.
(31) 201514844198
(32) 03.09.2015
(33) United States of America
(47) 08.05.2019

(51) C03C 27/00
C22C 45/00
(11) EP3281923
(21) EP17183748.7
(22) 28.07.2017
(54) SYNTHETIC QUARTZ GLASS LID AND OPTICAL DEVICE PACKAGE
(73) Shin-Etsu Chemical Co., Ltd.
(72) MATSUI, Harunobu
HARADA, Daijitsu
TAKEUCHI, Masaki
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2016152495
(32) 03.08.2016
(33) Japan
(47) 15.05.2019

(51) C03C 27/06
C03C 27/10
E06B 3/66
B32B 17/10
E06B 3/67
E06B 3/663
E06B 3/677
E06B 3/673
(11) EP3176135
(21) EP15827288.0
(22) 29.07.2015
(54) VACUUM MULTILAYER GLASS
(73) AGC Inc.
(72) KOGA, Masahide
YOKOYAMA, Mika
KAYABA, Noriyoshi
KATO, Keisuke
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014154813
(32) 30.07.2014

(33) Japan
(47) 22.05.2019

(51) C04B 18/10
B03B 9/04
(11) EP2288582
(21) EP08807669.0
(22) 16.09.2008
(54) RECOVERY AND UPGRADING PROCESS OF INCINERATOR BOTTOM ASH PROM MUNICIPAL SOLID WASTE
(73) Petracem S.R.L.
(72) QUADRIO CURZIO, Alessandro
(74) ir. J.M.G. Dohmen c.s.
(31) MI20080864
(32) 13.05.2008
(33) Italy
(47) 15.05.2019

(51) C04B 28/08
C04B 7/153
C04B 111/32
(11) EP2496533
(21) EP10787858.9
(22) 27.10.2010
(54) CONSTRUCTION MATERIAL BINDERS
(73) Saint-Gobain Weber
(72) HESSELBARTH, Frank
DUDDA, Udo
(74) ir. W.J.J.M. Kempes
(31) 0957824
(32) 05.11.2009
(33) France
(47) 15.05.2019

(51) C04B 40/00
C04B 28/04
(11) EP2834207
(21) EP13714310.3
(22) 05.04.2013
(54) ADJUVANT FOR HYDRAULIC COMPOSITIONS
(73) Chryso S.A.S.
(72) DARGUY, Sandra
BABAYAN, David
(74) ir. A.R. Aalbers
(31) 1253165
(32) 05.04.2012
(33) France
(47) 01.05.2019

(51) C07B 45/00
C01B 25/14
C07D 213/06
C07C 325/02
C07C 327/44
C07D 207/24
C07D 209/30
C07D 211/72
C07D 211/84
C07D 213/63
C07D 239/93
C07D 241/06
(11) EP2650274
(21) EP13175186.9
(22) 03.02.2012
(54) A thionation process and a thionating agent
(73) Vironova Thionation AB
(72) Pettersson, Birgitta
Hasimbegovic, Vedran
Svensson, Per H.
Bergman, Jan
(74) ir. C.M. Jansen c.s.
(31) 11153421
201161439522 P
(32) 04.02.2011
04.02.2011
(33) European Patent Office (EPO)
United States of America
(47) 01.05.2019

(51) C07C 45/28
C07C 49/603
(11) EP3330247
(21) EP16201929.3
(22) 02.12.2016
(54) CATALYTIC OXIDATION OF 3,5,5-TRIMETHYLCYCLOHEXA-3-ENE-1-ONE (BETA-ISOPHORONE) WITH HYDROGEN PEROXIDE TO 2,6,6-TRIMETHYL-2-CYCLOHEXENE-1,4-DION (KETO ISOPHORONE)
(73) Evonik Degussa GmbH
(72) BAJUS, Stephanie
CASSENS, Jan
DÖRING, Jens
NITZ, Jörg-Joachim
KOHLSTRUCK, Stephan
JANSEN, Robert
(74) ir. W.J.J.M. Kempes
(47) 08.05.2019

(51) C07C 45/50
C07C 45/86
C07C 47/19
B01J 31/24
(11) EP2855411
(21) EP13796859.0
(22) 29.05.2013
(54) RATE AND SELECTIVITY IMPROVEMENT IN HYDROFORMYLATION OF ALLYL ALCOHOL
(73) Lyondell Chemical Technology, L.P.
(72) MANDIMUTSIRA, Beaven S.
WHITE, Daniel, F.
(74) ir. F.A. Geurts c.s.
(31) 201261652648 P
(32) 29.05.2012
(33) United States of America
(47) 08.05.2019

(51) C07C 51/12
C07C 51/47
C07C 53/08
(11) EP3250545
(21) EP15798586.2
(22) 02.10.2015
(54) PROCESSES FOR PRODUCING ACETIC ACID
(73) Celanese International Corporation
(72) LIU, Yaw-Haw
SCATES, Mark O.
SHAVER, Ronald David
(74) ir. J.C. Volmer c.s.
(31) 201562109734 P
201562141490 P
201514694913
(32) 30.01.2015
01.04.2015
23.04.2015
(33) United States of America
United States of America
United States of America
(47) 26.06.2019

(51) C07C 67/38
C07F 15/00
C07F 17/02
(11) EP3272759
(21) EP16180055.2
(22) 19.07.2016
(54) 1,1 -BIS (PHOSPHINO) FERROCENE LIGANDS FOR ALKOXYCARBONYLATION
(73) Evonik Degussa GmbH
(72) DONG, Kaiwu
NEUMANN, Helfried
JACKSTELL, Ralf
BELLER, Matthias
FRIDAG, Dirk
HESS, Dieter
DYBALLA, Katrin Marie
GEILEN, Frank
FRANKE, Robert
(74) ir. W.J.J.M. Kempes
(47) 08.05.2019

(51) C07C 68/00
C07C 69/00
B01J 19/00
(11) EP2917172
(21) EP13820858.2
(22) 11.11.2013
(54) SYNTHESIS OF METHYL CARBAMATE AND DIMETHYL CARBONATE (DMC) IN PRESENCE OF STRIPPING WITH INERT GAS OR SUPERHEATED VAPOURS AND A REACTOR FOR THE SAME
(73) Council of Scientific & Industrial Research
(72) RANADE, Vivek, Vinayak
KELKAR, Ashutosh, Anant
RANE, Vilas, Hari
KINAGE, Anil, Kisan
SHINGOTE, Savita, Kiran
ROY, Lalita, Sanjib
(74) J.M.H. Duyver lic.
(31) 3490DE2012
(32) 09.11.2012
(33) India
(47) 19.06.2019

(51) C07C 253/30
C07C 255/46
(11) EP2655319
(21) EP11807900.3
(22) 19.12.2011
(54) METHOD FOR PRODUCING CIS-1-AMMONIUM-4-ALKOXYCYCLOHEXANECARBONITRILE SALTS
(73) Bayer CropScience Aktiengesellschaft
(72) VOLZ, Frank
SCHNATTERER, Albert
KAPTEIN, Bernardus
CASTELIJNS, Anna, Maria, Cornelia, Francisca
(74) ir. W.J.J.M. Kempes
(31) 10196473
201061427913 P
(32) 22.12.2010
29.12.2010
(33) European Patent Office (EPO)

United States of America
(47) 08.05.2019

(51) C07C 309/21
C07C 311/51
C07C 323/41
C07D 277/82
C07D 291/04
C07F 9/38
A61K 31/165
A61K 31/185
A61K 31/18
A61K 31/41
A61K 31/661
A61P 9/06
(11) EP3097076
(21) EP15702370.6
(22) 21.01.2015
(54) NOVEL CYP-EICOSANOID DERIVATIVES
(73) Max-Delbrück-Centrum für Molekulare Medizin
Board of Regents, The University of Texas System
(72) SCHUNCK, Wolf-Hagen
MÜLLER, Dominik
FISCHER, Robert
WALLUKAT, Gerd
KONKEL, Anne
FALCK, John, Russell
(74) ir. W.J.J.M. Kempes
(31) 201461930031 P
(32) 22.01.2014
(33) United States of America
(47) 08.05.2019

(51) C07C 317/36
C07D 265/16
(11) EP3212614
(21) EP15791130.6
(22) 22.10.2015
(54) PROCESS FOR MAKING BENZOXAZINES
(73) Cytec Industries Inc.
(72) GUPTA, Ram, B.
COHEN, Martin
GUPTA, Manav
(74) ir. W.J.J.M. Kempes
(31) 201462068806 P
(32) 27.10.2014
(33) United States of America
(47) 01.05.2019

(51) C07D 231/12
C07D 401/04
C07D 413/10
C07D 417/10
C07D 405/10
C07D 285/08
C07D 285/12
C07D 307/34
C07D 307/40
C07D 407/10
C07D 307/46
A61K 31/33
(11) EP2544679
(21) EP11754087.2
(22) 10.03.2011
(54) PDE10 INHIBITORS AND RELATED COMPOSITIONS AND METHODS
(73) Omeros Corporation
(72) CUTSHALL, Neil, S.
GAGE, Jennifer, Lynn,
WHEELER, Thomas, Neil,
LITTLE, Thomas, L.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 430841 P
313544 P
(32) 07.01.2011
12.03.2010
(33) United States of America
United States of America
(47) 15.05.2019

(51) C07D 231/14
C07D 231/38
C07D 403/04
C07D 405/04
C07D 409/04
C07D 413/04
C07D 417/04
A61K 31/4155
A61P 5/00
A61P 25/00
A61P 35/00
A61P 37/00
(11) EP2486018
(21) EP10760729.3
(22) 06.10.2010
(54) SUBSTITUTED PYRAZOLES AS ESTROGEN RECEPTOR LIGANDS
(73) Karo Pharma AB
(72) LÖFSTEDT, Joakim
WU, Xiongyu
KRÜGER, Lars
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0917576
201011859
(32) 07.10.2009
14.07.2010
(33) United Kingdom
United Kingdom
(47) 24.04.2019

(51) C07D 239/70
A61K 31/517
A61P 29/00
C07D 401/04
(11) EP3174861
(21) EP15744229.4
(22) 30.07.2015
(54) SUBSTITUTED BICYCLIC DIHYDROPYRIMIDINONES AND THEIR USE AS INHIBITORS OF NEUTROPHIL ELASTASE ACTIVITY
(73) Boehringer Ingelheim International GmbH
(72) OOST, Thorsten
ANDERSKEWITZ, Ralf
GNAMM, Christian
HOESCH, Holger
MORSCHHAEUSER, Gerd
PETERS, Stefan
RIES, Uwe Joerg
(74) ir. F.A. Geurts c.s.
(31) 14179288
(32) 31.07.2014
(33) European Patent Office (EPO)
(47) 15.05.2019

(51) C07D 409/14
C07D 409/10
C07D 401/10
C07D 417/14
A61K 31/4439
A61K 31/404
A61K 31/444
A61K 31/5377
A61K 31/4035
A61P 37/06
A61P 3/10
C07D 401/14
C07D 413/14
C07D 409/04
(11) EP2888251
(21) EP13830653.5
(22) 21.08.2013
(54) PERFORIN INHIBITING BENZENESULFONAMIDE COMPOUNDS, PREPARATION AND USES THEREOF
(73) Peter MacCallum Cancer Institute
(72) SPICER, Julie Ann
DENNY, William Alexander
MILLER, Christian Karl
O'CONNOR, Patrick David
HUTTUNEN, Kristiina
TRAPANI, Joseph A.
HILL, Geoff
ALEXANDER, Kylie
(74) ir. W.J.J.M. Kempes
(31) 201261691652 P
(32) 21.08.2012
(33) United States of America
(47) 24.04.2019

(51) C07D 471/04
A61K 31/4375
A61P 35/00
C07D 519/00
A61K 45/06
(11) EP3277681
(21) EP16717560.3
(22) 31.03.2016
(54) IMIDAZOLONYLQUINOLINES AND THEIR USE AS ATM KINASE INHIBITORS
(73) Merck Patent GmbH
(72) FUCHSS, Thomas
SCHIEMANN, Kai
(74) ir. C.M. Jansen c.s.
(31) 15000968
(32) 02.04.2015
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) C07D 471/04
C07D 473/34
C07D 519/00
A61K 31/5377
A61P 11/00
A61P 11/06
A61P 17/06
A61P 19/02
A61P 35/00
A61P 37/00
(11) EP3277682
(21) EP16718910.9
(22) 29.03.2016
(54) 6-MORPHOLINYL-2-PYRAZOLYL-9H-PURINE DERIVATIVES AND THEIR USE AS PI3K INHIBITORS
(73) Daiichi Sankyo Company, Limited

(72) SAMBY, Kirandeep, Kaur
SURASE, Yogesh, Baban
AMALE, Sagar, Ramdas
GORLA, Suresh, Kumar
PATEL, Priyanka
VERMA, Ashwani, Kumar
(74) ir. C.M. Jansen c.s.
(31) 878DE2015
(32) 30.03.2015
(33) India
(47) 24.04.2019

(51) C07D 487/04
A61K 31/519
A61P 29/00
A61P 35/00
A61P 37/00
(11) EP3149001
(21) EP15733899.7
(22) 27.05.2015
(54) NOVEL PYRAZOLO PYRIMIDINE DERIVATIVES AND THEIR USE AS MALT1 INHIBITORS
(73) Novartis AG
(72) PISSOT SOLDERMANN, Carole
QUANCARD, Jean
SCHLAPBACH, Achim
SIMIC, Oliver
TINTELNOT-BLOMLEY, Marina
ZOLLER, Thomas
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 14170408
(32) 28.05.2014
(33) European Patent Office (EPO)
(47) 24.04.2019

(51) C07D 498/04
A61K 31/4985
A61P 15/10
(11) EP3133072
(21) EP15752140.2
(22) 24.02.2015
(54) NOVEL 6,7-DIHYDRO-3H-OXAZOLO[3,4-A]PYRAZINE-5,8-DIONE DERIVATIVE COMPOUNDS
(73) Biolab Sanus Farmacéutica Ltda
(72) SACURAI, Sérgio Luiz
TOUZARIM, Carlos Eduardo da Costa
TOLEDO, Fabiano Travanca
SOUSA, Bruno Artur de
(74) M.L. Huisman
(31) 201461943825 P
(32) 24.02.2014
(33) United States of America
(47) 01.05.2019

(51) C07F 1/00
G01N 33/28
(11) EP3160971
(21) EP15759949.9
(22) 18.06.2015
(54) METHOD FOR SELECTIVE DETECTION AND ESTIMATION OF HISTIDINE AND CYSTEINE
(73) Council of Scientific and Industrial Research
(72) DAS, Amitava
CHATTOPADHYAY, Samit
GANDRA, Upendar Reddy
AGARWALLA, Hridesh
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1697DE2014
(32) 25.06.2014
(33) India
(47) 15.05.2019

(51) C07F 5/02
G01N 21/64
(11) EP3328869
(21) EP16770096.2
(22) 29.07.2016
(54) A COMPOUND FOR SELECTIVE DETERMINATION OF FREE CYSTEINE AND A PROCESS FOR THE PREPARATION THEREOF
(73) Council of Scientific & Industrial Research
(72) DAS, Amitava
ALI, Firoj
GANDRA, Upendar Reddy
ASHOK, Anila Hoskere
CHATTOPADHYAY, Samit
TAYE, Nandaraj
(74) ir. W.J.J.M. Kempes
(31) 2354DE2015
(32) 31.07.2015
(33) India
(47) 19.06.2019

(51) C07F 9/12
A61K 31/661
A61P 35/00
(11) EP3298021
(21) EP16725997.7
(22) 18.05.2016
(54) ALVOCIDIB PRODRUGS HAVING INCREASED BIOAVAILABILITY
(73) Tolero Pharmaceuticals, Inc.
(72) SIDDIQUI-JAIN, Adam
BEARSS, David, J.
(74) mr.ir. F.N. Ferro
(31) 201562163188 P
(32) 18.05.2015
(33) United States of America
(47) 01.05.2019

(51) C07F 9/6561
A61K 31/675
A61K 31/683
A61K 31/685
A61K 31/688
A61P 35/00
A61P 35/02
A61P 35/04
(11) EP2794624
(21) EP12859248.2
(22) 21.12.2012
(54) GUANINE ANALOGS AS TELOMERASE SUBSTRATES AND TELOMERE LENGTH AFFECTORS
(73) Geron Corporation
(72) GRYAZNOV, Sergei, M.
PRUZAN, Ronald, A.
PONGRACZ, Krisztina
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161579575 P
(32) 22.12.2011
(33) United States of America
(47) 15.05.2019

(51) C07F 15/00
C08G 64/34
(11) EP2734532
(21) EP12814377.3
(22) 18.07.2012
(54) METAL COMPLEXES
(73) SAUDI ARAMCO TECHNOLOGIES COMPANY
(72) ALLEN, Scott, D.
FARMER, Jay, J.
(74) J.M.H. Duyver lic.
(31) 201161509093 P
(32) 18.07.2011
(33) United States of America
(47) 01.05.2019

(51) C07H 11/04
C08K 5/00
C08K 5/14
C08K 5/372
C08K 5/521
C09K 21/12
C08L 25/06
C08J 9/00
(11) EP2574614
(21) EP11183619.3
(22) 30.09.2011
(54) Flame-retardant polymer foams with halogen-free flame-retardant agents containing phosphorous on a sugar basis
(73) BASF SE
(72) Bellin, Ingo, Dr.
Denecke, Hartmut
Fuchs, Sabine, Dr.
Fleckenstein, Christoph, Dr.
Deglmann, Peter, Dr.
Hofmann, Maximilian, Dr.
Spies, Patrick, Dr.
Hahn, Klaus, Dr.
Massonne, Klemens, Dr.
Janssens, Geert, Dr.
(74) ir. W.J.J.M. Kempes
(47) 01.05.2019

(51) C07K 1/22
C07K 16/00
(11) EP3041857
(21) EP14737471.4
(22) 19.06.2014
(54) PROTEIN A CHROMATOGRAPHY
(73) EMD Millipore Corporation
(72) BIAN, Nanying
MEHTANI, Sapna
HUBBARD, John Dana
(74) dr. W.A.H.M. Van Borm
(31) 201361873450 P
(32) 04.09.2013
(33) United States of America
(47) 08.05.2019

(51) C07K 7/06
C07K 7/08
C07K 14/755
(11) EP3115370
(21) EP16172509.8
(22) 16.04.2009
(54) BIOLOGICALLY ACTIVE PEPTIDES
(73) Baxalta Incorporated
Baxalta GmbH
(72) Scheiflinger, Friedrich
Dockal, Michael
(74) mr.ir. F.N. Ferro
(31) 9326 P
113055 P
(32) 17.04.2008
10.11.2008

(33) United States of America
United States of America
(47) 26.06.2019

(51) C07K 14/005
C12N 15/33
C12N 15/63
A61K 39/12
A61P 31/12
C12N 7/04
C12N 7/00
(11) EP2370455
(21) EP09829477.0
(22) 24.11.2009
(54) VIRUS LIKE PARTICLE COMPOSITIONS AND METHODS OF USE
(73) Government of the United States of America, as represented by the Secretary, Department of Health and Human Services
(72) NABEL, Gary, J.
AKAHATA, Wataru
RAO, Srinivas, S.
(74) ir. J.M.G. Dohmen c.s.
(31) 118206 P
201118 P
(32) 26.11.2008
05.12.2008
(33) United States of America
United States of America
(47) 03.07.2019

(51) C07K 14/535
C07K 19/00
A61K 38/17
A61P 9/10
A61P 35/00
C07K 14/79
C12N 15/62
(11) EP3173422
(21) EP14898071.7
(22) 21.11.2014
(54) PHARMACEUTICAL COMPOSITION CONTAINING, AS ACTIVE INGREDIENT, GRANULOCYTE-COLONY STIMULATING FACTOR MUTANT PROTEIN OR TRANSFERRIN FUSION PROTEIN THEREOF
(73) SUPEX BNP CO., LTD.
(72) YOON, Jeong-Hyeok
CHANG, Byung-Ha
JIN, Bong-Seok
BAE, Ji Young
KIM, Soon Nam
PARK, Kyeong Su
PARK, Yeong kyu
KIM, Hanjo
SEO, Youngju
JEONG, Wooseong
KANG, KyungTae
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20140093260
20140137414
(32) 23.07.2014
13.10.2014
(33) Korea (Republic)
Korea (Republic)
(47) 08.05.2019

(51) C07K 14/73
C07K 14/705
C12N 15/85
A01K 67/027
(11) EP2958938
(21) EP14708430.5
(22) 20.02.2014
(54) MICE EXPRESSING HUMANIZED T-CELL CO-RECEPTORS
(73) Regeneron Pharmaceuticals, Inc.
(72) MACDONALD, Lynn
MURPHY, Andrew, J.
TU, Naxin
VORONINA, Vera
GURER, Cagan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361766762 P
201361890915 P
(32) 20.02.2013
15.10.2013
(33) United States of America
United States of America
(47) 17.04.2019

(51) C07K 16/00
A61K 39/00
C07K 16/18
(11) EP2794654
(21) EP12859920.6
(22) 19.12.2012
(54) ANTI-PHF-TAU ANTIBODIES AND THEIR USES
(73) Janssen Biotech, Inc.
(72) ALDERFER, Christopher
JANECKI, Dariusz
LIU, Xuesong
MURDOCK, Melissa
WU, Sheng-Jiun
MERCKEN, Marc
VANDERMEEREN, Marc
MALIA, Thomas
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161577817 P
(32) 20.12.2011
(33) United States of America
(47) 22.05.2019

(51) C07K 16/18
A61K 39/395
A61P 35/00
C07K 16/46
C12N 15/13
C07K 14/775
(11) EP2504363
(21) EP10832474.0
(22) 24.11.2010
(54) ANTI-CLUSTERIN ANTIBODIES AND ANTIGEN BINDING FRAGMENTS AND THEIR USE TO REDUCE TUMOR VOLUME
(73) National Research Council of Canada
Alethia Biotherapeutics Inc.
(72) TREMBLAY, Gilles Bernard
FILION, Mario
SULEA, Traian
(74) ir. W.J.J.M. Kempes
(31) 263865 P
(32) 24.11.2009
(33) United States of America
(47) 08.05.2019

(51) C07K 16/18
C12N 15/13
A61K 39/395
(11) EP3183266
(21) EP15787045.2
(22) 20.08.2015
(54) FACTOR H POTENTIATING ANTIBODIES AND USES THEREOF
(73) Stichting Sanquin Bloedvoorziening
(72) KUIJPERS, Taco Willem
WOUTERS, Diana
BROUWER, Maria Clara
POUW, Richard Benjamin
(74) ir. C.M. Jansen c.s.
(31) 14181631
(32) 20.08.2014
(33) European Patent Office (EPO)
(47) 29.05.2019

(51) C07K 16/24
C07K 14/54
(11) EP3020729
(21) EP15184078.2
(22) 21.02.2007
(54) ANTIBODIES AGAINST HUMAN IL-22 AND USES THEREFOR
(73) Medimmune Limited
Wyeth LLC
(72) LI, Jing
MINTER, Ralph R.
GILL, Davinder S.
VELDMAN, Geertruida M.
FOUSER, Lynette A.
VALGE-ARCHER, Viia
LOWE, David C.
RUSSELL, Caroline S.
COHEN, Suzanne E.
THOM, Albert B.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 774596 P
(32) 21.02.2006
(33) United States of America
(47) 26.06.2019

(51) C07K 16/28
A61P 37/06
(11) EP2864359
(21) EP14705767.3
(22) 19.02.2014
(54) ANTI-CD26 ANTIBODIES AND USES THEREOF
(73) ADIENNE S.A.
(72) DI NARO, Antonio Francesco
(74) J.M.H. Duyver lic.
(31) 13425029
(32) 19.02.2013
(33) European Patent Office (EPO)
(47) 24.04.2019

(51) C07K 16/28
C07K 16/44
C07K 16/46
A61K 39/00
C07K 16/00
A61K 39/395
(11) EP2776469
(21) EP12803508.6
(22) 09.11.2012
(54) ANTIBODY MOLECULES HAVING SPECIFICITY FOR HUMAN OX40
(73) UCB Biopharma SPRL
(72) ADAMS, Ralph
BHATTA, Pallavi
HEYWOOD, Sam Philip

HUMPHREYS, David Paul
(74) ir. W.J.J.M. Kempes
(31) 201161558545 P
(32) 11.11.2011
(33) United States of America
(47) 24.04.2019

(51) C07K 16/30
A61K 39/395
A61P 35/00
C12N 15/09
C12P 21/08
(11) EP2824114
(21) EP13751164.8
(22) 21.02.2013
(54) PHARMACEUTICAL COMPOSITION FOR TREATMENT OF CANCER
(73) Toray Industries, Inc.
(72) KOBAYASHI, Shinichi
OKANO, Fumiyoshi
SAITO, Takanori
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2012035491
(32) 21.02.2012
(33) Japan
(47) 22.05.2019

(51) C07K 16/46
C07K 19/00
A61K 47/42
(11) EP2591006
(21) EP11738539.3
(22) 11.07.2011
(54) PROCESSABLE SINGLE CHAIN MOLECULES AND POLYPEPTIDES MADE USING SAME
(73) Bioverativ Therapeutics Inc.
(72) SALAS, Joe
PETERS, Robert
(74) ir. W.J.J.M. Kempes
(31) 201161467880 P
201161442029 P
201161491762 P
201161442150 P
201161442055 P
363183 P
363186 P
(32) 25.03.2011
11.02.2011
31.05.2011
11.02.2011
11.02.2011
09.07.2010
09.07.2010
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
(47) 24.04.2019

(51) C07K 16/46
C07K 19/00
C12N 15/62
G01N 33/574
C07K 16/22
C07K 16/28
A61K 39/395
A61P 35/00
(11) EP3020731
(21) EP14823338.0
(22) 08.07.2014
(54) NOVEL DUAL-TARGETED PROTEIN SPECIFICALLY BINDING TO DLL4 AND VEGF, AND USE THEREOF
(73) ABLBio
(72) LEE, Dong Heon
MOON, Kyung Duk
CHOI, Yu Bin
KANG, Kyung Jae
KIM, Dong In
AHN, Jin Hyung
YOU, Weon Kyoo
JUNG, JinWon
(74) J.M.H. Duyver lic.
(31) 20130080523
(32) 09.07.2013
(33) Korea (Republic)
(47) 12.06.2019

(51) C08F 4/6592
C08F 210/16
C07F 5/06
C08G 79/10
(11) EP3312200
(21) EP17207804.0
(22) 07.02.2014
(54) SOLID POLYALUMINOXANE COMPOSITION, OLEFIN POLYMERIZATION CATALYST, OLEFIN POLYMER PRODUCTION METHOD AND SOLID POLYALUMINOXANE COMPOSITION PRODUCTION METHOD
(73) Mitsui Chemicals, Inc.
(72) TSURUGI, Kou
HANADA, Siori
SHIBAHARA, Atsushi
KAWAMURA, Kazumori
NISHINO, Fumiaki
HARADA, Yasuyuki
YAMADA, Wataru
MATSUMOTO, Akiko
HARA, Isao
NAKAMURA, Tatsuya
MUROTO, Toshihiro
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2013023266
2013212878
(32) 08.02.2013
10.10.2013
(33) Japan
Japan
(47) 19.06.2019

(51) C08F 8/00
C08C 19/25
C08K 3/36
C08L 15/00
C08F 236/06
C08L 9/06
(11) EP3260476
(21) EP16752588.0
(22) 19.02.2016
(54) MODIFIED CONJUGATED DIENE-BASED POLYMER, MANUFACTURING METHOD THEREOF, AND MODIFIED CONJUGATED DIENE-BASED POLYMER COMPOSITION
(73) Asahi Kasei Kabushiki Kaisha
(72) YAMADA, Chigusa
YAMAURA, Yukio
HISAMURA, Kenta
YOSHIDA, Junichi
(74) ir. F.A. Geurts c.s.
(31) 2015031082
(32) 19.02.2015
(33) Japan
(47) 08.05.2019

(51) C08F 10/00
C08F 4/646
C08F 2/00
C08L 23/16
(11) EP1412398
(21) EP02728477.7
(22) 15.03.2002
(54) HIGH MELT STRENGTH POLYMERS AND METHOD OF MAKING SAME
(73) Dow Global Technologies LLC
(72) DEGROOT, Alexander, W.
STEVENS, James, C.
DESJARDINS, Sylvie, Y.
WEINHOLD, Jeffrey
CARNAHAN, Edmund
GILLESPIE, David
VANDERLENDE, Daniel, D.
(74) ir. J.D. de Zeeuw
(31) 276719 P
(32) 16.03.2001
(33) United States of America
(47) 24.04.2019

(51) C08F 265/06
C09D 151/00
C09J 151/00
C09D 7/65
(11) EP3369788
(21) EP17159145.6
(22) 03.03.2017
(54) CURABLE THERMOSETTING RESIN COMPOSITIONS WITH IMPROVED MECHANICAL PROPERTIES
(73) Evonik Röhm GmbH
(72) FRUTH, Andrea
RICHTER, Ralf
DÖSSEL, Lukas Friedrich
HASSKERL, Thomas
SCHNABEL, Michael
KLIEM, Patrick
(74) ir. W.J.J.M. Kempes
(47) 08.05.2019

(51) C08G 18/48
C08G 18/76
C08G 18/40
C08G 18/42
(11) EP3083735
(21) EP14809326.3
(22) 01.12.2014
(54) THERMOPLASTIC POLYURETHANE FOR SEAL APPLICATIONS
(73) Carl Freudenberg KG
(72) HIEBER, Jürgen
FREITAG, Edgar
GOERRES, Martin Franz
BURKERT, Mathias
BARILLAS, Gonzalo
JÄCKEL, Jürgen
(74) ir. W.J.J.M. Kempes
(31) 102013021027

(32) 17.12.2013
(33) Germany
(47) 08.05.2019

(51) C08G 69/00
C08G 69/26
C08K 3/10
C08L 67/02
C08K 3/16
C08K 5/09
C08K 7/14
C08L 77/00
C08L 77/02
C08L 77/06
C08K 5/132
(11) EP2896656
(21) EP13837132.3
(22) 12.09.2013
(54) POLYAMIDE RESIN COMPOSITION AND MOLDED ARTICLE
(73) Toray Industries, Inc.
(72) MASUNAGA, Atsushi
NAKAGAWA, Hiroshi
UMETSU, Hideyuki
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2012202205
(32) 14.09.2012
(33) Japan
(47) 08.05.2019

(51) C08G 69/26
C08G 69/28
(11) EP2408842
(21) EP10707897.4
(22) 09.03.2010
(54) METHOD FOR MAKING POLYAMIDE
(73) Rhodia Opérations
(72) THIEBLEMONT, Virginie
THIERRY, Jean-François
(74) ir. W.J.J.M. Kempes
(31) 0951779
(32) 20.03.2009
(33) France
(47) 08.05.2019

(51) C08J 3/14
(11) EP2350171
(21) EP09756671.5
(22) 05.11.2009
(54) PROCESS FOR OBTAINING AN ELASTOMER IN SOLID PHASE STARTING FROM ITS POLYMER SOLUTION
(73) versalis S.p.A.
(72) MONTANARI, Fabio
MAINARDI, Federica
VENERI, Gabriele
(74) J.M.H. Duyver lic.
(31) MI20082029
(32) 14.11.2008
(33) Italy
(47) 08.05.2019

(51) C08J 5/24
B32B 5/12
B29C 43/00
B29C 70/00
B32B 3/26
(11) EP3196238
(21) EP15842013.3
(22) 14.09.2015
(54) NOTCHED PRE-PREG AND NOTCHED PRE-PREG SHEET
(73) Toray Industries, Inc.
(72) TAKETA, Ichiro
FUJITA, Yuzo
ARAI, Nobuyuki
SATO, Narumichi
(74) J.M.H. Duyver lic.
(31) 2014191083
(32) 19.09.2014
(33) Japan
(47) 03.07.2019

(51) C08L 67/02
(11) EP3312238
(21) EP16194568.8
(22) 19.10.2016
(54) POLYBUTYLENE TEREPHTHALATE CONTAINING POLYMER MIXES AND SHAPED ARTICLES MADE FROM SAME
(73) ClickPlastics AG
(72) EBERLE, Wolfgang
(74) J.M.H. Duyver lic.
(47) 26.06.2019

(51) C08L 69/00
(11) EP3320044
(21) EP16734396.1
(22) 04.07.2016
(54) POLYCARBONATE BLENDS WITH HIGH THERMOFORMING RESISTANCE REQUIREMENT FOR GALVANIC APPLICATIONS
(73) Covestro Deutschland AG
(72) SEIDEL, Andreas
SCHWARTMANN, Wolfgang
WENZ, Eckhard
WEIMAR, Peter
(74) ir. W.J.J.M. Kempes
(31) 15175422
(32) 06.07.2015
(33) European Patent Office (EPO)
(47) 03.07.2019

(51) C09D 5/00
(11) EP3265517
(21) EP16713171.3
(22) 03.03.2016
(54) PARTIALLY REACTED SILANE PRIMER COMPOSITIONS
(73) PRC-Desoto International, Inc.
(72) PATHAK, Srikant
ZHENG, Chu Ran
VIRNELSON, Bruce
(74) ir. F.A. Geurts c.s.
(31) 201514640044
(32) 06.03.2015
(33) United States of America
(47) 08.05.2019

(51) C09D 5/00
(11) EP3271426
(21) EP16710411.6
(22) 10.03.2016
(54) PAINT SYSTEM CONTAINING ANTI-FOULING METAL OXIDE AND FUMED SILICA
(73) Evonik Degussa GmbH
(72) DÜRR, Georg
KERN, Magdalena
MERTSCH, Rüdiger
MEYER, Jürgen
MICHAEL, Günther
TSCHERNJAEW, Juri
(74) ir. W.J.J.M. Kempes
(31) 102015204896
(32) 18.03.2015
(33) Germany
(47) 08.05.2019

(51) C09D 5/29
C09D 5/03
C09D 5/32
C09C 1/64
C09C 1/00
C09D 7/80
C08K 9/10
B05D 5/06
C09C 1/62
(11) EP3094691
(21) EP15700490.4
(22) 19.01.2015
(54) POWDER PAINT IN PARTICULATE AND CURED FORM WITH EFFECT PIGMENTS AND PROCESS FOR PREPARING POWDER PAINT WITH EFFECT PIGMENTS
(73) IGP Pulvertechnik AG
(72) MATTERN, René
BÜELER, Roman
D'ANNA, Leo
(74) ir. F.A. Geurts c.s.
(31) 14151697
(32) 19.01.2014
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) C09J 7/25
A61F 13/58
(11) EP2940091
(21) EP15166156.8
(22) 03.05.2015
(54) ROLL OF ADHESIVE TAPE FOR PACKAGING
(73) MAGIS S.P.A.
(72) Mannucci, Vanni
Marzi, Marco
(74) J.M.H. Duyver lic.
(31) BO20140252
(32) 02.05.2014
(33) Italy
(47) 26.06.2019

(51) C09K 8/035
C09K 8/502
(11) EP2912135
(21) EP13850026.9
(22) 29.10.2013
(54) USE OF ACTIVATORS FOR THE VISCOSIFICATION OF NON-AQUEOUS FLUIDS
(73) Sasol Performance Chemicals GmbH
(72) FERNANDEZ, Jorge, M.
(74) ir. W.J.J.M. Kempes
(31) 201261719753 P
(32) 29.10.2012
(33) United States of America
(47) 01.05.2019

(51) C09K 8/08
C09K 8/42
C09K 8/60
C09K 8/68
C09K 8/90

E21B 43/04
(11) EP3259329
(21) EP16705475.8
(22) 15.02.2016
(54) SHALE INHIBITORS BASED ON CATIONIC TAMARIND GUM, AND DRILLING FLUID COMPRISING THE SHALE INHIBITOR
(73) Lamberti SPA
(72) VIGANO', Laura
MERLI, Luigi
PIROVANO, Pierangelo
LANGELLA, Valentina
RICCABONI, Mauro
FLORIDI, Giovanni
LI BASSI, Giuseppe
(74) ir. C.M. Jansen c.s.
(31) UB20150203
(32) 17.02.2015
(33) Italy
(47) 24.04.2019

(51) C09K 11/61
H01L 33/50
H01L 33/52
(11) EP2970765
(21) EP14720825.0
(22) 14.03.2014
(54) COLOR STABLE RED-EMITTING PHOSPHORS
(73) General Electric Company
(72) MURPHY, James, Edward
NAMMALWAR, Prasanth, Kumar
KARKADA, Nagaveni
LYONS, Robert, Joseph
CHOWDHURY, Ashfaqul, Islam
SETLUR, Anant, Achyut
GARCIA, Florencio
BEERS, William, Winder
DU, Fangming
(74) ir. W.J.J.M. Kempes
(31) 201361791511 P
201414208592
(32) 15.03.2013
13.03.2014
(33) United States of America
United States of America
(47) 08.05.2019

(51) C10G 47/00
C10G 47/26
C10G 45/22
C10G 45/16
C10G 45/04
B01J 8/22
(11) EP3147342
(21) EP16194523.3
(22) 24.07.2012
(54) EBULLATED-BED PROCESS FOR FEEDSTOCK CONTAINING DISSOLVED HYDROGEN
(73) Saudi Arabian Oil Company
(72) KOSEOGLU, Omer Refa
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161513055 P
(32) 29.07.2011
(33) United States of America
(47) 01.05.2019

(51) C10G 47/18
C10G 47/20
C07C 4/18
(11) EP1706471
(21) EP04803798.0
(22) 13.12.2004
(54) PROCESS FOR THE CATALYTIC HYDRODEALKYLATION OF ALKYLAROMATIC HYDROCARBONS
(73) versalis S.p.A.
(72) ARCA, Vittorio
BOSCOLO BOSCOLETTO, Angelo
(74) J.M.H. Duyver lic.
(31) MI20040077
(32) 22.01.2004
(33) Italy
(47) 08.05.2019

(51) C10G 49/06
(11) EP1951845
(21) EP06812315.7
(22) 31.10.2006
(54) PROCESS OF PREPARING AROMATIC HYDROCARBONS AND LIQUEFIED PETROLEUM GAS FROM HYDROCARBON MIXTURE
(73) SK Innovation Co., Ltd.
(72) LEE, Jong Hyung
OH, Seung Hoon
SUNG, Kyoung Hak
CHOI, Sun
KIM, Yong Seung
LIM, Byeung Soo
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20050108595
(32) 14.11.2005
(33) Korea (Republic)
(47) 01.05.2019

(51) C10L 3/08
C10B 53/02
(11) EP2814916
(21) EP13706289.9
(22) 12.02.2013
(54) FUEL PROCESSING
(73) Anergy Limited
(72) MARTELLA, Michael
MARTELLA, Matthew
(74) drs. C.M.A. Quintelier
(31) 201202537
(32) 14.02.2012
(33) United Kingdom
(47) 24.04.2019

(51) C10M 169/04
C10M 141/12
C10M 159/00
C10M 163/00
(11) EP3369802
(21) EP18158205.7
(22) 22.02.2018
(54) IMPROVEMENTS IN AND RELATING TO LUBRICATING COMPOSITIONS
(73) Infineum International Limited
(72) Hartley, Joseph Peter
Young, Anne Wai-Yu
(74) ir. C.M. Jansen c.s.
(31) 17158720
(32) 01.03.2017
(33) European Patent Office (EPO)
(47) 10.07.2019

(51) C11D 3/20
C11D 3/22
C11D 17/00
C11D 3/06
C11D 3/10
C11D 3/33
(11) EP3423558
(21) EP17707066.1
(22) 01.03.2017
(54) DETERGENT COMPOSITION IN THE FORM OF A SUSPENSION
(73) Unilever N.V.
(72) BARBUZZI, Elena, Maria, Gabriella
VAN DEURZEN, Maria, Petra, J.
GEERSE, Kees, Bert
MOLL, Robert, Jan
(74) dr. C.W.R. Mulder c.s.
(31) 16158182
(32) 02.03.2016
(33) European Patent Office (EPO)
(47) 26.06.2019

(51) C11D 3/20
C11D 3/33
C11D 3/39
C11D 17/00
(11) EP3426756
(21) EP17709682.3
(22) 09.03.2017
(54) POURABLE DETERGENT SUSPENSION COMPRISING BLEACH CATALYST GRANULES
(73) Unilever N.V.
(72) ANDRIC, Pavle
BARBUZZI, Elena, Maria, Gabriella
VAN DEURZEN, Maria,Petra, J
ENGSTED, Kaare, Joergensen
GEERSE, Kees, Bert
MOLL, Robert, Jan
NIELSEN, Niels-Viktor
SHANG, Lei
(74) dr. C.W.R. Mulder c.s.
(31) 16159923
(32) 11.03.2016
(33) European Patent Office (EPO)
(47) 03.07.2019

(51) C12M 1/107
A01C 3/02
(11) EP2837679
(21) EP14002847.3
(22) 14.08.2014
(54) Process and plant for removing nitrogen from poultry manure
(73) IGP s.r.l.
(72) Migliardi, Daniela
Tosto, Massimo
Vecchiet, Massimo
(74) ir. J.C. Volmer c.s.
(31) TS20130003
(32) 16.08.2013
(33) Italy
(47) 01.05.2019

(51) C12M 1/107
C12M 1/00
C12M 3/00
C12M 1/06
(11) EP2857493
(21) EP14186392.8
(22) 25.09.2014

(54) Agitator for a container, container and method for integrating an agitator into a container
(73) Peters, Jean-Marc
(72) Peters, Jean-Marc
(74) J.M.H. Duyver lic.
(31) 102013219938
(32) 01.10.2013
(33) Germany
(47) 01.05.2019

(51) C12N 1/18
C12N 9/12
C12N 9/90
C12N 9/92
C12N 15/52
C12P 7/06
C12P 7/10
C07K 14/395
C12N 15/81
C12P 7/12
C12N 15/90
(11) EP3209678
(21) EP15784672.6
(22) 22.10.2015
(54) VARIANTS OF GAL2 TRANSPORTER AND THEIR USES
(73) Butalco GmbH
(72) BOLES, Eckhard
DIETZ, Heiko
FARWICK, Alexander
SCHADEWEG, Virginia
OREB, Mislav
(74) ir. P.J. Hylarides c.s.
(31) 14189927
(32) 22.10.2014
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) C12N 1/21
C12N 15/70
C12P 13/04
(11) EP3119874
(21) EP15764058.2
(22) 17.03.2015
(54) MICROORGANISMS HAVING ENHANCED L-AMINO ACIDS PRODUCTIVITY AND PROCESS FOR PRODUCING L-AMINO ACIDS USING THE SAME
(73) CJ Cheiljedang Corporation
(72) KOH, Eun Sung
KWON, Su Yon
LEE, Kwang Ho
LEE, Ji Sun
JANG, Juno
LEE, Keun Cheol
HONG, Hyeong Pyo
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20140033698
(32) 21.03.2014
(33) Korea (Republic)
(47) 08.05.2019

(51) C12N 5/071
A61K 35/44
A61L 27/00
A61P 27/02
A61P 43/00
A61K 35/30
A61K 9/00
A61L 27/36
G01N 33/50
C12N 5/079
A61L 27/38
(11) EP3081637
(21) EP14869571.1
(22) 16.10.2014
(54) METHOD FOR MANUFACTURING CILIARY MARGINAL ZONE-LIKE STRUCTURE
(73) RIKEN
Sumitomo Chemical Company, Limited
(72) KUWAHARA, Atsushi
SASAI, Yoshiki
(74) ir. J.C. Volmer c.s.
(31) 2013255836
(32) 11.12.2013
(33) Japan
(47) 08.05.2019

(51) C12N 5/071
C12N 5/00
C12N 5/0789
C12N 5/078
A61K 35/18
A01K 67/027
(11) EP2970898
(21) EP14778538.0
(22) 11.03.2014
(54) THE PRODUCTION AND USE OF RED BLOOD CELLS
(73) Taiga Biotechnologies, Inc.
(72) TURNER, Brian Curtis
REFAELI, Yosef
BIRD, Gregory A.
(74) J.M.H. Duyver lic.
(31) 201361776732 P
201313797648
(32) 11.03.2013
12.03.2013
(33) United States of America
United States of America
(47) 08.05.2019

(51) C12N 5/077
A61K 35/28
(11) EP3091071
(21) EP16157193.0
(22) 22.03.2007
(54) METHODS FOR CELL EXPANSION AND USES OF CELLS AND CONDITIONED MEDIA PRODUCED THEREBY FOR THERAPY
(73) Pluristem Ltd.
(72) Meretzki, Shai
Aberman, Zami
Burger, Ora
(74) drs. C.M.A. Quintelier
(31) 784769 P
847088 P
(32) 23.03.2006
26.09.2006
(33) United States of America
United States of America
(47) 03.07.2019

(51) C12N 5/077
G01N 33/50
C12N 5/0789
C12N 5/071
(11) EP2834348
(21) EP13715147.8
(22) 28.02.2013
(54) 3D IN VITRO BI-PHASIC CARTILAGE-BONE CONSTRUCT
(73) TissUse GmbH
(72) ROSOWSKI, Mark
FATEHI-VARKANI, Shirin
LAUSTER, Roland
MARX, Uwe
(74) ir. W.J.J.M. Kempes
(31) 12157484
(32) 29.02.2012
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) C12N 7/00
(11) EP2366024
(21) EP09831233.3
(22) 04.12.2009
(54) COMPOSITIONS, METHODS AND USES FOR INDUCING VIRAL GROWTH
(73) Takeda Vaccines, Inc.
(72) STINCHCOMB, Dan, T.
LIVENGOOD, Jill, A.
WIGGAN, O'Neil
KINNEY, Richard
OSORIO, Jorge
(74) J.M.H. Duyver lic.
(31) 120262 P
(32) 05.12.2008
(33) United States of America
(47) 01.05.2019

(51) C12N 7/01
A61K 35/76
A61P 31/04
A23K 20/195
A23K 20/147
A23L 2/52
A01N 63/00
C12N 7/00
C11D 3/48
A23K 20/10
A23K 20/153
(11) EP3130669
(21) EP15776278.2
(22) 13.03.2015
(54) NOVEL BACTERIOPHAGE AND COMPOSITION CONTAINING SAME
(73) Cj Cheiljedang Corporation
(72) KIM, Jae Won
SHIN, Eun Mi
BAE, Gi Duk
(74) ir. C.M. Jansen c.s.
(31) 20140042911
(32) 10.04.2014
(33) Korea (Republic)
(47) 08.05.2019

(51) C12N 7/02
(11) EP2377927
(21) EP11162488.8
(22) 14.04.2011
(54) Methods of producing high titer, high purity mouse minute virus (MMV) stocks and methods of use thereof
(73) EMD Millipore Corporation
(72) Asher, Damon R.
Katz, Amanda
Khan, Navid Z.
Mehta, Ushma

(74) ir. W.J.J.M. Kempes
(31) 324220 P
(32) 14.04.2010
(33) United States of America
(47) 22.05.2019

(51) C12N 9/10
C12P 13/00
(11) EP3109318
(21) EP16175996.4
(22) 23.06.2016
(54) MICROORGANISMS FOR PRODUCING PUTRESCINE OR ORNITHINE AND PROCESS FOR PRODUCING PUTRESCINE OR ORNITHINE USING THEM
(73) Cj Cheiljedang Corporation
(72) Jung, Hee Kyoung
Um, Hye Won
Li, Hong Xian
Park, Su Jin
Yang, Young Lyeol
Lee, Kyoung Min
Lee, Hyo Hyoung
(74) drs. C.M.A. Quintelier
(31) 20150090021
(32) 24.06.2015
(33) Korea (Republic)
(47) 05.06.2019

(51) C12N 9/64
C12N 15/59
A23C 19/06
(11) EP2855674
(21) EP13727539.2
(22) 22.05.2013
(54) VARIANTS OF CHYMOSIN WITH IMPROVED MILK-CLOTTING PROPERTIES
(73) Chr. Hansen A/S
(72) VAN DEN BRINK, Johannes Maarten
LUND, Martin
JACOBSEN, Jonas
HANSEN, Sari Charlotte
JEPPESEN, Iben
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 12169503
(32) 25.05.2012
(33) European Patent Office (EPO)
(47) 15.05.2019

(51) C12N 15/09
A21D 2/26
A23C 9/13
A23C 13/16
A23L 9/00
A23L 27/60
C12N 1/15
C12N 1/19
C12N 1/21
C12N 5/10
C12N 9/78
C12P 21/02
A23C 9/12
C12P 21/00
C12N 9/82
A23L 11/00
A23L 13/40
(11) EP3130671
(21) EP15758003.6
(22) 05.03.2015
(54) NEW PROTEIN DEAMIDASE
(73) Ajinomoto Co., Inc.
(72) YOKOYAMA, Noriko
NAKANO, Mayu
HASHIRO, Shuhei
HIRAGA, Masako
SHIMBO, Kazutaka
TOKUNAGA, Ayaka
(74) ir. C.M. Jansen c.s.
(31) 2014045531
(32) 07.03.2014
(33) Japan
(47) 24.04.2019

(51) C12N 15/10
C12N 15/66
C12P 19/34
C40B 50/06
G06F 19/10
(11) EP2944693
(21) EP15159715.0
(22) 23.08.2012
(54) COMPOSITIONS AND METHODS FOR HIGH FIDELITY ASSEMBLY OF NUCLEIC ACIDS
(73) Gen9, Inc.
(72) Jacobson, Joseph
Schindler, Daniel
Lawton, Scott S.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161527922 P
201161532825 P
(32) 26.08.2011
09.09.2011
(33) United States of America
United States of America
(47) 24.04.2019

(51) C12N 15/10
C12N 15/66
C12Q 1/68
C40B 40/08
C40B 50/06
(11) EP3388519
(21) EP18174793.2
(22) 21.11.2014
(54) VESICULAR ADAPTOR AND USES THEREOF IN NUCLEIC ACID LIBRARY CONSTRUCTION AND SEQUENCING
(73) MGI Tech Co., Ltd.
(72) JIANG, Yuan
GUO, Jing
JI, Xiaojun
GENG, Chunyu
TIAN, Kai
ZHAO, Xia
XU, Huaiqian
ZHANG, Wenwei
JIANG, Hui
DRMANAC, Radoje
(74) dr. A. Krebs
(31) PCT/CN2014/086418
(32) 12.09.2014
(33) World Intellectual Property Office (WIPO)
(47) 10.07.2019

(51) C12N 15/113
A61K 31/7088
C12N 9/04
(11) EP3087184
(21) EP14874374.3
(22) 26.12.2014
(54) METHODS AND COMPOSITIONS FOR THE SPECIFIC INHIBITION OF GLYCOLATE OXIDASE (HAO1) BY DOUBLE-STRANDED RNA
(73) Dicerna Pharmaceuticals, Inc.
(72) BROWN, Bob, D.
DUDEK, Henryk, T.
(74) ir. W.J.J.M. Kempes
(31) 201361921181 P
201461937838 P
(32) 27.12.2013
10.02.2014
(33) United States of America
United States of America
(47) 03.07.2019

(51) C12N 15/52
C40B 30/02
G06F 19/16
C12P 19/18
C12N 9/10
C12N 15/72
(11) EP2877574
(21) EP13823740.9
(22) 24.07.2013
(54) ALPHA (1,2) FUCOSYLTRANSFERASES SUITABLE FOR USE IN THE PRODUCTION OF FUCOSYLATED OLIGOSACCHARIDES
(73) Glycosyn LLC
(72) HEIDTMAN, Matthew, Ian
MERIGHI, Massimo
MCCOY, John, M.
(74) J.M.H. Duyver lic.
(31) 201213557655
(32) 25.07.2012
(33) United States of America
(47) 15.05.2019

(51) C12N 15/63
C12N 5/10
(11) EP2964765
(21) EP14759649.8
(22) 07.03.2014
(54) YEAST PROMOTERS FROM PICHIA PASTORIS
(73) Keck Graduate Institute of Applied Life Sciences
(72) TOLSTORUKOV, Ilya I.
CREGG, James M.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361774982 P
(32) 08.03.2013
(33) United States of America
(47) 08.05.2019

(51) C12N 15/67
C12N 15/10
C40B 50/06
(11) EP3234146
(21) EP15823835.2
(22) 15.12.2015
(54) SELECTIVE OPTIMISATION OF A RIBOSOME BINDING SITE FOR PROTEIN PRODUCTION
(73) CloneOpt AB
(72) DALEY, Daniel
MIRZADEH, Kiavash
TODDO, Stephen
GUNTUR, Suchithra

(74) ir. W.J.J.M. Kempes
(31) 1451553
(32) 16.12.2014
(33) Sweden
(47) 10.07.2019

(51) C12N 15/82
C07K 14/435
(11) EP2986728
(21) EP14722279.8
(22) 15.04.2014
(54) COMMERCIAL PRODUCTION OF PEPTIDASES C1A BY TRANSIENT EXPRESSION IN PLANTS
(73) Angany Inc.
(72) GOMORD, Véronique
FITCHETTE, Anne-Catherine
CATALA, Virginie
FAYE, Loïc
(74) J.M.H. Duyver lic.
(31) 1353386
(32) 15.04.2013
(33) France
(47) 01.05.2019

(51) C12N 15/86
C07K 14/435
C07K 7/06
(11) EP3044318
(21) EP14843244.6
(22) 12.09.2014
(54) SELECTIVE RECOVERY
(73) California Institute of Technology
(72) DEVERMAN, Benjamin E.
PATTERSON, Paul H.
GRADINARU, Viviana
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361877506 P
201461983624 P
201462020658 P
201462034060 P
(32) 13.09.2013
24.04.2014
03.07.2014
06.08.2014
(33) United States of America
United States of America
United States of America
United States of America
(47) 01.05.2019

(51) C12P 7/06
C12P 7/08
C12P 7/16
C12P 7/54
(11) EP3058080
(21) EP14853873.9
(22) 16.10.2014
(54) PROCESS FOR CARBON CAPTURE IN GAS FERMENTATION
(73) Lanzatech New Zealand Limited
(72) TIZARD, Joseph Henry
SECHRIST, Paul Alvin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361892405 P
(32) 17.10.2013
(33) United States of America
(47) 01.05.2019

(51) C12P 7/64
(11) EP3083973
(21) EP14830829.9
(22) 18.12.2014
(54) DHA ENRICHMENT PROCESS OF THE TRAUSTOCHYTRIUM SPECIES MICROALGAE
(73) Roquette Frères
(72) CAULIER, Bernard
(74) J.M.H. Duyver lic.
(31) 1362962
(32) 19.12.2013
(33) France
(47) 08.05.2019

(51) C12P 13/06
C12P 13/08
C12P 13/12
C12P 13/20
(11) EP2360263
(21) EP09829135.4
(22) 26.11.2009
(54) PROCESS FOR PRODUCING AMINO ACIDS USING A BACTERIUM HAVING INCREASED EXPRESSION OF THE GENES gltP AND/OR gltS
(73) Ajinomoto Co., Inc.
(72) WAKASA, Yuori
TAKESHITA, Ryo
(74) mr.ir. F.N. Ferro
(31) 2008302521
(32) 27.11.2008
(33) Japan
(47) 19.06.2019

(51) C12Q 1/68
(11) EP3289095
(21) EP16719856.3
(22) 29.04.2016
(54) DETECTION OF NUCLEIC ACID MOLECULES
(73) miRdetect GmbH
(72) SPIEKERMANN, Meike
WINTER, Nina
FLOR, Inga
BELGE, Gazanfer
(74) dr. A. Krebs
(31) 102015106646
15195182
(32) 29.04.2015
18.11.2015
(33) Germany
European Patent Office (EPO)
(47) 03.07.2019

(51) C12Q 1/68
A61K 48/00
C12N 15/11
(11) EP3155128
(21) EP15732984.8
(22) 10.06.2015
(54) METHODS FOR CHARACTERIZING ALTERNATIVELY OR ABERRANTLY SPLICED MRNA ISOFORMS
(73) Erasmus University Medical Center Rotterdam
(72) BERGSMA, Atze Jacobus
VAN DER WAL, Erik
PIJNAPPEL, Wilhelmus Wenceslaus Matthias
VAN DER PLOEG, Antje Tjitske
REUSER, Arnoldus
(74) ir. C.M. Jansen c.s.
(31) PCT/NL2014/050375
14183623
(32) 10.06.2014
04.09.2014
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)
(47) 15.05.2019

(51) C12Q 1/682
C12Q 1/6806
(11) EP3071710
(21) EP14815428.9
(22) 18.11.2014
(54) METHOD FOR ANALYSING THE INTERACTION OF NUCLEOTIDE SEQUENCES IN A THREE-DIMENSIONAL DNA STRUCTURE
(73) Erasmus Universiteit Medisch Centrum Rotterdam
(72) GROSVELD, Frank
KNOCH, Tobias
(74) ir. W.J.J.M. Kempes
(31) 201320351
(32) 18.11.2013
(33) United Kingdom
(47) 15.05.2019

(51) C12Q 1/6886
G01N 33/574
A61K 31/496
C07D 401/12
C12Q 1/68
G01N 33/50
(11) EP2880447
(21) EP13773390.3
(22) 25.07.2013
(54) MARKERS ASSOCIATED WITH SENSITIVITY TO INHIBITORS OF HUMAN DOUBLE MINUTE 2 (MDM2)
(73) Novartis AG
(72) GAULIS, Swann
JEAY, Sebastien
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261677859 P
(32) 31.07.2012
(33) United States of America
(47) 15.05.2019

(51) C12Q 1/6895
C12Q 1/6806
(11) EP3186388
(21) EP15729707.8
(22) 04.06.2015
(54) SYSTEMS AND METHODS FOR GENOTYPING PLANT MATERIAL
(73) Pioneer Hi-Bred International, Inc.
(72) ARNOLD, Randal
COPE, Matthew Paul
SCHARES, Justin Andrew
YUN, Yue
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201414473114
(32) 29.08.2014
(33) United States of America
(47) 22.05.2019

(51) C21D 8/02
C21D 9/46
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/06
C25D 5/48

C25D 7/06
B22D 11/00
(11) EP2835438
(21) EP13773084.2
(22) 03.04.2013
(54) HIGH-STRENGTH, HIGHLY WORKABLE STEEL SHEET, AND METHOD FOR MANUFACTURING SAME
(73) JFE Steel Corporation
(72) TANAKA, Takumi
KOJIMA, Katsumi
TOBIYAMA, Yoichi
(74) mr.ir. F.N. Ferro
(31) 2012087940
(32) 06.04.2012
(33) Japan
(47) 26.06.2019

(51) C21D 9/52
C22C 38/04
C22C 38/02
C21D 1/20
C21D 9/58
(11) EP2576849
(21) EP11719592.5
(22) 23.03.2011
(54) METHOD OF PRODUCTION OF A PROFILED WIRE MADE OF HYDROGEN-EMBRITTLEMENT-RESISTANT STEEL HAVING HIGH MECHANICAL PROPERTIES
(73) Arcelormittal Wire France
(72) FOISSEY, Sylvain
BERTOUT, Christophe
PERROUD, Xavier
(74) ir. A.R. Aalbers
(31) 1002286
(32) 31.05.2010
(33) France
(47) 01.05.2019

(51) C22C 27/06
C22C 30/00
C22F 1/11
C22F 1/00
(11) EP3202934
(21) EP15845890.1
(22) 28.09.2015
(54) TWO-PHASE ALLOY, PRODUCT USING SAID TWO-PHASE ALLOY, AND METHOD FOR PRODUCING SAID PRODUCT
(73) Hitachi, Ltd.
(72) NOUJIMA Masafumi
AONO Yasuhisa
OKIZAKI Naoya
MARUNO Yuusaku
KIMURA Tomonori
OGATA Makoto
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014198879
(32) 29.09.2014
(33) Japan
(47) 24.07.2019

(51) C23C 8/32
C23C 8/34
C21D 1/76
C21D 1/06
(11) EP3230487
(21) EP15817994.5
(22) 10.12.2015
(54) LOW PRESSURE CARBONITRIDING METHOD
(73) ECM TECHNOLOGIES
(72) GIRAUD, Yves
MULIN, Hubert
(74) ir. F.A. Geurts c.s.
(31) 1462260
(32) 11.12.2014
(33) France
(47) 08.05.2019

(51) C25B 3/04
C25B 9/10
(11) EP3039099
(21) EP14840946.9
(22) 02.09.2014
(54) METHOD FOR UPGRADING BIOMASS MATERIAL
(73) CoorsTek, Inc.
(72) S., Elangovan
KARANJIKAR, Mukund
(74) dr. A. Krebs
(31) 201361872184 P
(32) 30.08.2013
(33) United States of America
(47) 12.06.2019

(51) D01F 8/06
D04H 1/541
(11) EP2826897
(21) EP14002316.9
(22) 07.07.2014
(54) Bicomponent fibre for producing spun nonwoven fabrics
(73) EWALD DÖRKEN AG
(72) Schröer, Jörn
Placke, Daniel
(74) ir. W.J.J.M. Kempes
(31) 102013011703
102013014918
(32) 15.07.2013
11.09.2013
(33) Germany
Germany
(47) 29.05.2019

(51) D06B 3/04
D06B 3/06
(11) EP2315865
(21) EP09770807.7
(22) 19.06.2009
(54) METHOD OF MAKING COLORED MULTIFILAMENT HIGH TENACITY POLYOLEFIN YARNS
(73) Honeywell International Inc.
(72) NGUYEN, Huy, X.
TAM, Thomas, Y-T.
(74) ir. W.J.J.M. Kempes
(31) 215121
(32) 25.06.2008
(33) United States of America
(47) 22.05.2019

(51) D06H 7/22
(11) EP3321417
(21) EP17201877.2
(22) 11.08.2014
(54) METHOD AND DEVICE FOR CUTTING TEXTILE MATERIAL WITH LASER RADIATION
(73) eurolaser GmbH
(72) Kluczinski, Matthias
(74) Huisman Advocaten
(31) 102013014747
(32) 06.09.2013
(33) Germany
(47) 24.04.2019

(51) D06M 15/327
D06M 15/53
D06M 15/55
D06M 15/59
D06M 15/63
D06M 23/10
C08J 5/04
D06M 101/40
B05D 3/10
B05D 7/24
B05D 1/18
B05D 3/02
B05D 3/00
(11) EP3087221
(21) EP14863064.3
(22) 06.11.2014
(54) CARBON FIBERS AND HIGH PERFORMANCE FIBERS FOR COMPOSITE APPLICATIONS
(73) Cytec Industries Inc.
(72) CHIU, Shao C.
TANG, Longgui
HARMON, Billy
(74) ir. W.J.J.M. Kempes
(31) 201361920040 P
(32) 23.12.2013
(33) United States of America
(47) 08.05.2019

(51) D21C 5/00
D21H 11/12
(11) EP3380665
(21) EP17801451.0
(22) 20.11.2017
(54) METHOD FOR PRODUCING PAPER, CARDBOARD, OR PAPERBOARD USING BAOBAB TREE BARK BAST FIBERS, BAOBAB FRUIT FIBERS, AND NATAL FIG BAST FIBERS AS PAPERMAKING RAW MATERIALS
(73) Hope Tree International GmbH
(72) DINZINGER, Lambert Dustin
(74) ir. F.A. Geurts c.s.
(31) 102016222952
(32) 21.11.2016
(33) Germany
(47) 01.05.2019

(51) D21D 1/02
D21D 1/32
D21D 1/34
D21B 1/06
D21D 1/20
(11) EP3084070
(21) EP14825290.1
(22) 17.12.2014
(54) METHOD FOR PREPARING GRASS OR HAY
(73) Creapaper GmbH
(72) D'AGNONE, Uwe
(74) J.M.H. Duyver lic.
(31) 102013114386
(32) 18.12.2013
(33) Germany

(47) 24.04.2019

(51) E01C 13/08
D05C 17/02
A63C 19/04
E01C 5/18
(11) EP3180477
(21) EP15832527.4
(22) 13.08.2015
(54) ARTIFICIAL TURF WITH NON-GRANULAR DAMPING MATERIAL AND METHOD FOR MANUFACTURING SAME
(73) Salmenautio, Hannu
Salmenautio, Timo
Salmenautio, Anne
(72) Salmenautio, Hannu
Salmenautio, Timo
Salmenautio, Anne
(74) mr. ir. J. van Breda c.s.
(31) 20145715
(32) 13.08.2014
(33) Finland
(47) 01.05.2019

(51) E01F 13/08
(11) EP3296465
(21) EP17188138.6
(22) 28.08.2017
(54) CAR PARK BARRIER DEVICE
(73) Etablissements Mottez & Cie
(72) MOTTEZ, Fréderic
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1658592
(32) 14.09.2016
(33) France
(47) 01.05.2019

(51) E02D 17/20
(11) EP2683875
(21) EP12716805.2
(22) 11.03.2012
(54) SYNTHETIC GROUND COVER SYSTEM WITH BINDING INFILL FOR EROSION CONTROL
(73) Watershed Geosynthetics LLC
(72) AYERS, Michael
URRUTIA, Jose
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161451839 P
(32) 11.03.2011
(33) United States of America
(47) 08.05.2019

(51) E02F 9/28
A01B 15/06
A01B 23/02
(11) EP2512211
(21) EP10837946.2
(22) 15.12.2010
(54) WEAR PART DEVICE FOR A WORK TOOL
(73) Kverneland Group Operations Norway AS
Skjæveland, Magne
(72) SKJÆVELAND, Magne
(74) ir. W.J.J.M. Kempes
(31) 20093547
(32) 17.12.2009
(33) Norway
(47) 01.05.2019

(51) E03C 1/04
G05D 23/13
F16K 11/044
F16K 27/02
(11) EP3390733
(21) EP16808781.5
(22) 02.12.2016
(54) PLUMBING FIXTURES
(73) Kohler Mira Limited
(72) JONES, Oliver
BUMPSTEED, Austin
(74) J.M.H. Duyver lic.
(31) 201522322
(32) 17.12.2015
(33) United Kingdom
(47) 26.06.2019

(51) E04B 1/76
E04B 1/90
E04F 13/08
B32B 1/00
(11) EP3306002
(21) EP17194391.3
(22) 02.10.2017
(54) HYBRID INSULATING BOARD FOR CAVITY WALLS
(73) Saint-Gobain Isover
SAINT-GOBAIN CONSTRUCTION PRODUCTS
(72) MAHONEY, Joe
ELFORD, Daniel
(74) ir. W.J.J.M. Kempes
(31) 16192416
(32) 05.10.2016
(33) European Patent Office (EPO)
(47) 15.05.2019

(51) E04B 2/74
F16B 12/20
F16B 12/02
F16B 7/18
A47B 96/04
(11) EP3121344
(21) EP16177635.6
(22) 01.07.2016
(54) PARTITION EQUIPMENT
(73) Expo Profile
(72) Hardy, Georges
(74) J.M.H. Duyver lic.
(31) 1556858
(32) 20.07.2015
(33) France
(47) 01.05.2019

(51) E04F 15/04
E04F 15/02
(11) EP2235285
(21) EP09723213.6
(22) 30.01.2009
(54) MECHANICAL LOCKING OF FLOOR PANELS
(73) Välinge Innovation AB
(72) PERVAN, Darko
HÅKANSSON, Niclas
SJÖSTRAND, Mattias
BOO, Christian
PÅLSSON, Agne
(31) 0800242
678008 P
0800995
5044308 P
(32) 31.01.2008
31.01.2008
05.05.2008
05.05.2008
(33) Sweden
United States of America
Sweden
United States of America
(47) 26.06.2019

(51) E04F 15/04
E04F 15/02
(11) EP2405076
(21) EP11183003.0
(22) 10.01.2006
(54) A method to disconnect floor panels
(73) Välinge Innovation AB
(72) Pervan, Darko
(31) 92748
(32) 30.03.2005
(33) United States of America
(47) 26.06.2019

(51) E04G 21/14
B28B 23/00
B66C 1/66
F16B 45/00
(11) EP3037606
(21) EP15195256.1
(22) 26.03.2010
(54) LOAD BEARING DEVICE
(73) Pfeifer Holding GmbH & Co. KG
(72) Kintscher, Matthias
Neef, Christoph
(74) ir. J.C. Volmer c.s.
(31) 202009004065 U
(32) 26.03.2009
(33) Germany
(47) 08.05.2019

(51) E04H 1/12
E04B 1/343
(11) EP3150781
(21) EP15188187.7
(22) 02.10.2015
(54) SANITARY CABIN DEVICE
(73) ADCO Umweltdienste Holding GmbH
(72) Bonewitz, André
(74) mr. ir. J. van Breda c.s.
(47) 08.05.2019

(51) E04H 4/08
A61H 33/00
(11) EP3228781
(21) EP17164174.9
(22) 31.03.2017
(54) SPA WITH A MOVEMENT ASSISTANCE DEVICE FOR THE SPA COVER
(73) Leisure Concepts, Inc.
(72) Genova, Michael C.
(74) mr. ir. J. van Breda c.s.
(31) 201615090808
(32) 05.04.2016
(33) United States of America
(47) 01.05.2019

(51) E05B 15/02
E05B 47/00
(11) EP3168394
(21) EP16197671.7
(22) 08.11.2016
(54) BLOCK FOR A DOOR OPENER OR A STRIKE PLATE

(73) ASSA ABLOY (Schweiz) AG
(72) Stalder, David
(74) ir. W.J.J.M. Kempes
(31) 102015119370
102015120435
(32) 10.11.2015
25.11.2015
(33) Germany
Germany
(47) 22.05.2019

(51) E05B 47/06
E05B 63/16
E05B 65/10
(11) EP2924206
(21) EP15160049.1
(22) 20.03.2015
(54) LOCK FOR A DOOR OR WINDOW
(73) ASSA ABLOY Sicherheitstechnik GmbH
(72) Gonser, Gerhard
(74) ir. W.J.J.M. Kempes
(31) 102014104144
(32) 25.03.2014
(33) Germany
(47) 24.04.2019

(51) E05C 9/20
(11) EP3119968
(21) EP15706400.7
(22) 16.02.2015
(54) METHOD FOR THE COUPLING OF FITTINGS
(73) KFV Karl Fliether GmbH & Co. KG
(72) HÖRTER, Torsten
(74) ir. C.M. Jansen c.s.
(31) 102014003754
(32) 18.03.2014
(33) Germany
(47) 01.05.2019

(51) E05F 5/00
E05F 1/12
E05D 7/12
E05D 11/10
E05F 5/10
(11) EP3290624
(21) EP16892370.4
(22) 01.12.2016
(54) DOOR HINGE HAVING DAMPING FUNCTION
(73) Liang, Peiling
(72) Liang, Yelin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201610122737
(32) 04.03.2016
(33) China
(47) 01.05.2019

(51) E05F 11/54
E05D 15/16
E06B 11/04
E05F 15/665
E06B 11/02
E05F 15/673
E05D 13/00
(11) EP3090117
(21) EP14833603.5
(22) 30.12.2014
(54) GATE WITH COUNTERWEIGHT AND LOWERING EXCHANGEABLE SPAN
(73) Kühnl-Kinel, Jacek
(72) Kühnl-Kinel, Jacek
(74) ir. W.J.J.M. Kempes
(31) 40678314
41078414
(32) 03.01.2014
29.12.2014
(33) Poland
Poland
(47) 01.05.2019

(51) E05F 15/668
(11) EP2659077
(21) EP11761357.0
(22) 23.09.2011
(54) METHOD FOR PRODUCING AND OPERATING AN AUTOMATICALLY DRIVEN GATE AND GATE SYSTEM
(73) Hörmann KG Antriebstechnik
(72) SANKE, Michael
SCHÜTZ, Viktor
(74) ir. J.C. Volmer c.s.
(31) 102010064404
102011002735
(32) 30.12.2010
14.01.2011
(33) Germany
Germany
(47) 05.06.2019

(51) E05F 15/72
E05F 15/73
(11) EP3067504
(21) EP16159137.5
(22) 08.03.2016
(54) AUTOMATIC DOOR, SUCH AS A SLIDING DOOR, A REVOLVING DOOR OR THE LIKE
(73) GU Automatic GmbH
(72) Winkler, Roland
(74) J.M.H. Duyver lic.
(31) 102015103756
(32) 13.03.2015
(33) Germany
(47) 08.05.2019

(51) E06B 7/02
E06B 3/66
E06B 7/12
E06B 7/14
E06B 3/663
E06B 3/677
E06B 3/67
(11) EP3022377
(21) EP14825729.8
(22) 18.07.2014
(54) PRESSURE COMPENSATED GLASS UNIT
(73) Litezone Technologies Inc.
(72) CLARAHAN, Gregory, L.
(74) dr. A. Krebs
(31) PCT/CA2013/000653
(32) 19.07.2013
(33) World Intellectual Property Office (WIPO)
(47) 15.05.2019

(51) E06B 9/24
E04D 13/03
(11) EP3396100
(21) EP18166474.9
(22) 10.04.2018
(54) FLAT ROOF WINDOW WITH EXTERNAL SCREEN
(73) Florek, Ryszard
(72) Florek, Ryszard
(31) 12631417 U
(32) 28.04.2017
(33) Poland
(47) 10.07.2019

(51) E06C 1/22
E06C 1/393
E06C 1/397
E06C 7/18
(11) EP3415707
(21) EP18174210.7
(22) 25.05.2018
(54) COMPACT FOLDING WORK PLATFORM WITH SAFETY RAILING
(73) AUD INNOV
(72) BUGY, Yves
(74) ir. C.M. Jansen c.s.
(31) 1755467
(32) 16.06.2017
(33) France
(47) 03.07.2019

(51) E21B 7/02
(11) EP3382139
(21) EP17163583.2
(22) 29.03.2017
(54) DRILLING APPARATUS AND METHOD FOR PRODUCING A BOREHOLE
(73) Klemm Bohrtechnik GmbH
(72) HAGEMEYER, Carl
(74) J.M.H. Duyver lic.
(47) 01.05.2019

(51) E21B 19/00
(11) EP2186993
(21) EP08425732.8
(22) 17.11.2008
(54) VESSEL FOR OPERATING ON UNDERWATER WELLS AND WORKING METHOD OF SAID VESSEL
(73) Saipem S.p.A.
(72) Croatto, Paolo
(74) ir. F.A. Geurts c.s.
(47) 26.06.2019

(51) E21B 19/10
B63B 35/44
E21B 15/02
E21B 19/00
E21B 19/06
E21B 19/16
(11) EP3284901
(21) EP17183088.8
(22) 27.05.2014
(54) DRILLING VESSEL
(73) Itrec B.V.
(72) ROODENBURG, Joop
van DUIVENDIJK, Pieter Dirk Melis
WIJNING, Diederick Bernardus
(74) ir. J.C. Volmer c.s.
(31) 2010865
(32) 27.05.2013
(33) Netherlands
(47) 01.05.2019

(51) E21B 33/06
E21B 29/12
(11) EP2678519
(21) EP12749039.9
(22) 24.02.2012

(54) LASER RISER BLOWOUT PREVENTER PACKAGE
(73) Foro Energy Inc.
(72) ZEDIKER, Mark, S.
BERGERON, Henry, A.
CLARK, Philip, V.
FAIRCLOTH, Brian, O.
MOXLEY, Joel, F.
DEUTCH, Paul, D.
RINZLER, Charles, C.
(74) dr. A. Krebs
(31) 201113034017
(32) 24.02.2011
(33) United States of America
(47) 26.06.2019

(51) E21B 33/129
(11) EP2410121
(21) EP11167645.8
(22) 26.05.2011
(54) Retrievable slip mechanism for downhole tool
(73) Weatherford Technology Holdings, LLC
(72) Treadaway, Shawn J.
Stratton, Robert C.
Rochen, James A.
(74) ir. A. Ferguson
(31) 838724
(32) 19.07.2010
(33) United States of America
(47) 22.05.2019

(51) E21B 34/10
C25F 3/02
C25F 7/00
E21B 34/14
E21B 34/00
(11) EP2744974
(21) EP12824284.9
(22) 03.08.2012
(54) TUBING PRESSURE INSENSITIVE PRESSURE COMPENSATED ACTUATOR FOR A DOWNHOLE TOOL AND METHOD
(73) Baker Hughes, a GE company, LLC
(72) SLOAN, James T.
GARR, Ronald J.
MCDANIEL, Robert
HOPMANN, Don A.
SCHNEIDER, David E.
(31) 201113210999
(32) 16.08.2011
(33) United States of America
(47) 08.05.2019

(51) E21B 43/12
E21B 34/10
E21B 33/12
(11) EP3055498
(21) EP14851470.6
(22) 14.10.2014
(54) CROSSOVER VALVE SYSTEM AND METHOD FOR GAS PRODUCTION
(73) Raise Production, Inc.
(72) STEELE, Geoff
LAING, Eric
(74) ir. H.J.G. Lips c.s.
(31) 201361889768 P
(32) 11.10.2013
(33) United States of America
(47) 01.05.2019

(51) F01D 25/18
F01D 25/16
F02C 6/12
F16C 17/04
F16C 33/10
F04D 25/04
F04D 29/057
(11) EP2420651
(21) EP11175184.8
(22) 25.07.2011
(54) Bearing assembly for the compressor of a turbocharger of a combustion engine
(73) Borgwarner Inc.
(72) Celik, Halim
Hopp, Martin
Bachmann, Kerstin
Seidel, Jawor
(74) ir. W.J.J.M. Kempes
(31) 102010034766
(32) 18.08.2010
(33) Germany
(47) 08.05.2019

(51) F01K 13/00
F01K 13/02
F01K 17/02
F01K 17/04
(11) EP2182180
(21) EP08792161.5
(22) 04.08.2008
(54) STEAM UTILIZING FACILITY SIMULATION SYSTEM AND METHOD FOR SEEKING SCHEME FOR IMPROVING STEAM UTILIZING FACILITY
(73) TLV Co., Ltd.
(72) FUJIWARA, Yoshiyasu
(74) ir. W.J.J.M. Kempes
(31) 2007217238
(32) 23.08.2007
(33) Japan
(47) 15.05.2019

(51) F01N 3/08
F01N 3/20
B01D 53/94
F01N 3/035
F01N 13/00
(11) EP1687514
(21) EP04800722.3
(22) 04.11.2004
(54) EMISSIONS TREATMENT SYSTEM WITH NSR AND SCR CATALYSTS
(73) BASF Corporation
(72) LI, Yuejin
DEEBA, Michel
DETTLING, Joseph, Charles
PATCHETT, Joseph, Allan
ROTH, Stanley, Allan
(74) ir. W.J.J.M. Kempes
(31) 517137 P
975428
(32) 04.11.2003
29.10.2004
(33) United States of America
United States of America
(47) 08.05.2019

(51) F02C 3/04
F02C 3/30
F02C 9/00
F02C 3/34
F02C 6/18
F01D 17/14
F02C 7/042
F02C 7/057
F02C 9/20
F02C 9/22
F02C 9/54
F02C 1/06
F02C 1/08
(11) EP3014088
(21) EP14739015.7
(22) 24.06.2014
(54) SYSTEM AND METHOD FOR CONTROLLING EXHAUST GAS FLOW IN EXHAUST GAS RECIRCULATION GAS TURBINE SYSTEMS
(73) ExxonMobil Upstream Research Company
(72) THATCHER, Jonathan Carl
WEST, James A.
VOREL, Aaron Lavene
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361841234 P
201414312659
(32) 28.06.2013
23.06.2014
(33) United States of America
United States of America
(47) 01.05.2019

(51) F02K 3/06
B64D 29/06
B64D 45/02
F02C 7/00
F04D 29/54
B64C 7/02
(11) EP3181883
(21) EP15872410.4
(22) 06.10.2015
(54) CYLINDRICAL CASE AND JET ENGINE
(73) IHI Corporation
(72) FURUKAWA, Hiroyuki
YOSHIARA, Tetsuya
TANAKA, Agamu
MORI, Yuuji
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014264096
(32) 26.12.2014
(33) Japan
(47) 22.05.2019

(51) F03D 1/06
E04H 12/34
F03D 13/10
(11) EP2475883
(21) EP10815908.8
(22) 30.08.2010
(54) METHOD AND APPARATUS FOR WIND TURBINE ERECTION
(73) National Oilwell Varco, L.P.
(72) DELAGO, Pierre Cornelius
LONG, Wayne Robert
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 240893 P
(32) 09.09.2009
(33) United States of America
(47) 05.06.2019

(51) F03D 13/10
B66C 1/10
(11) EP2670977

(21) EP12734295.4
(22) 11.01.2012
(54) A TOOL FOR MANAGEMENT OF BLADES FOR WIND TURBINES
(73) Liftra IP ApS
(72) FENGER, Per. E
(74) ir. W.J.J.M. Kempes
(31) 201100019
(32) 11.01.2011
(33) Denmark
(47) 01.05.2019

(51) F04B 27/067
F04B 39/08
F04B 49/22
F04B 49/03
F04B 39/10
F04B 27/24
F04B 27/04
F04B 27/053
F04B 35/01
(11) EP2456980
(21) EP10802664.2
(22) 12.07.2010
(54) SUCTION CUTOFF UNLOADER VALVE FOR COMPRESSOR CAPACITY CONTROL
(73) Carrier Corporation
(72) LIFSON, Alexander
TARAS, Michael, F.
(74) J.M.H. Duyver lic.
(31) 226824 P
(32) 20.07.2009
(33) United States of America
(47) 26.06.2019

(51) F04B 43/12
C12M 1/26
A01N 1/02
(11) EP2678415
(21) EP12749724.6
(22) 21.02.2012
(54) FILL SYSTEM FOR PROVIDING UNIFORM CONCENTRATIONS AND VOLUMES AND METHODS THEREOF
(73) Promethera Biosciences SA
(72) AUSTIN, Christopher D.
WHELTON, Patricia M.
SHERWOOD, Sonya Olabisi Amelia Meheux
(74) ir. J.P.E. Brants
(31) 201161445235 P
(32) 22.02.2011
(33) United States of America
(47) 19.06.2019

(51) F04C 14/28
F04C 2/16
(11) EP2694815
(21) EP12768485.0
(22) 28.03.2012
(54) SYSTEM AND METHOD FOR MONITORING PUMP LINING WEAR
(73) CIRCOR Pumps North America, LLC
(72) PATTON, Kenneth
(74) J.M.H. Duyver lic.
(31) 201161472984 P
(32) 07.04.2011
(33) United States of America
(47) 26.06.2019

(51) F04C 28/06
F04C 29/02
(11) EP3092411
(21) EP15710412.6
(22) 08.01.2015
(54) METHOD FOR PREVENTING CONDENSATE IN THE OIL OF AN OIL-INJECTED COMPRESSOR AND COMPRESSOR IN WHICH SUCH A METHOD IS APPLIED
(73) ATLAS COPCO AIRPOWER, naamloze vennootschap
(72) DESIRON Andries Jan F
DE VOCHT Alexander
COECKELBERGS Joeri
(31) 201461925902 P
201400095
(32) 10.01.2014
13.02.2014
(33) United States of America
Belgium
(47) 22.05.2019

(51) F04D 13/08
F04D 15/00
F04D 29/70
(11) EP2239465
(21) EP10250034.5
(22) 11.01.2010
(54) Pond units
(73) Exel Industries S.A.
(72) Walters, George Leigh
(74) ir. H.J.G. Lips c.s.
(31) 0905580
0915307
(32) 31.03.2009
02.09.2009
(33) United Kingdom
United Kingdom
(47) 03.07.2019

(51) F04D 25/02
F04D 29/26
F24C 15/20
(11) EP3368773
(21) EP16775148.6
(22) 26.09.2016
(54) AIR INTAKE DEVICE FOR AN EXTRACTOR HOOD
(73) Berling Aero IP UG (Haftungsbeschränkt)
(72) BERLING, Udo
(74) ir. M.B. Plaggenborg
(31) 102015218612
(32) 28.09.2015
(33) Germany
(47) 01.05.2019

(51) F04D 29/28
F04D 29/66
F04D 29/70
(11) EP2122182
(21) EP08707176.7
(22) 22.01.2008
(54) VENTILATOR WHEEL, SYSTEM AND TRANSMISSION LINE
(73) SEW-EURODRIVE GmbH & Co. KG
(72) LEONHARD, Steffen
SAAR, Steffen
(74) mr. ir. J. van Breda c.s.
(31) 102007009369
(32) 23.02.2007
(33) Germany
(47) 01.05.2019

(51) F16D 25/08
(11) EP3134659
(21) EP15783001.9
(22) 23.04.2015
(54) FLUID ACTUATED OVER-CENTER CLUTCH FOR A PTO
(73) Twin Disc, Inc.
(72) JONES, Darrel, A.
(74) ir. C.M. Jansen c.s.
(31) 201461983246 P
(32) 23.04.2014
(33) United States of America
(47) 29.05.2019

(51) F16F 9/49
F16F 9/58
F16F 9/512
(11) EP3040577
(21) EP14841233.1
(22) 26.08.2014
(54) HYDRAULIC SHOCK-ABSORBING DEVICE
(73) Tein, Inc.
(72) WATANABE, Hironao
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2013174397
(32) 26.08.2013
(33) Japan
(47) 05.06.2019

(51) F16F 15/02
F16F 15/00
F16C 3/02
F16C 23/00
(11) EP2702295
(21) EP12726911.6
(22) 01.05.2012
(54) AN INTEGRAL METHOD FOR VIBRATION COMPENSATION AND MISALIGNMENT PREVENTION IN ROTOR DYNAMIC SYSTEMS
(73) Micro Turbine Technology BV
(72) BACKX, Antonius Cornelis Petrus Maria
BRANDS, Maikel Marinus Wilhelmus
COMPTER, Johan Cornelis
(74) ir. A.E. Dekker-Garms
(31) 2006686
(32) 29.04.2011
(33) Netherlands
(47) 24.04.2019

(51) F16F 15/03
F16F 6/00
H01F 7/06
H01F 7/02
H02K 49/10
(11) EP3032137
(21) EP14833907.0
(22) 06.08.2014
(54) HALBACH ARRAY AND MAGNETIC SUSPENSION DAMPER USING SAME
(73) Shanghai Micro Electronics Equipment (Group) Co., Ltd.
(72) WU, Liwei
(74) ir. C.M. Jansen c.s.
(31) 201310347667
(32) 09.08.2013
(33) China
(47) 15.05.2019

(51) F16G 5/16
(11) EP1969250
(21) EP06835686.4
(22) 27.12.2006
(54) DRIVE BELT AND TRANSVERSE ELEMENT FOR A DRIVE BELT
(73) ROBERT BOSCH GMBH
(72) TRAN, Minh Duc
(74) ir. G.A.J.M. Plevier
(31) 1030811
(32) 30.12.2005
(33) Netherlands
(47) 26.06.2019

(51) F16G 5/16
(11) EP2659162
(21) EP11805658.9
(22) 28.12.2011
(54) A DRIVE BELT FOR A CONTINUOUSLY VARIABLE TRANSMISSION
(73) Robert Bosch GmbH
(72) HUPKES, Ingmarus Geert
TRAN, Duc-Minh
(74) ir. G.A.J.M. Plevier
(31) 1038483
(32) 29.12.2010
(33) Netherlands
(47) 26.06.2019

(51) F16G 5/16
(11) EP3087292
(21) EP14827452.5
(22) 24.12.2014
(54) METHOD FOR ASSEMBLING A DRIVE BELT WITH DIFFERENT TYPES OF TRANSVERSE MEMBERS FOR A CONTINUOUSLY VARIABLE TRANSMISSION AND A THUS ASSEMBLED DRIVE BELT
(73) Robert Bosch GmbH
(72) VAN DER NOLL, Erik
VAN DER VELDE, Arie Gerrit Isaak
KURZ, Georg
(74) ir. G.A.J.M. Plevier
(31) 1040569
(32) 24.12.2013
(33) Netherlands
(47) 24.07.2019

(51) F16G 5/16
C21D 9/40
B21D 53/14
(11) EP2998612
(21) EP13884787.6
(22) 13.05.2013
(54) ENDLESS METAL RING MANUFACTURING METHOD AND ENDLESS METAL RING RESIN REMOVAL DEVICE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) KOGA Mitsue
NISHIYAMA Tomohiko
(74) J.M.H. Duyver lic.
(47) 26.06.2019

(51) F16G 5/16
C22C 38/00
C21D 9/00
C23C 8/32
C21D 1/18
C22C 38/02
C22C 38/04
C22C 38/18
(11) EP2464890
(21) EP10742602.5
(22) 02.08.2010
(54) TRANSVERSE ELEMENT FOR A DRIVE BELT AND DRIVE BELT .
(73) Robert Bosch GmbH
(72) PENNINGS, Bert
FARAON, Irinel, Cosmin
(74) ir. G.A.J.M. Plevier
(31) 1037185
(32) 10.08.2009
(33) Netherlands
(47) 19.06.2019

(51) F16G 11/04
F16G 11/10
F16G 11/14
G09F 3/03
(11) EP3102848
(21) EP15745948.8
(22) 05.02.2015
(54) A CABLE LOCK AND SEAL DEVICE
(73) Mega Fortris (Malaysia) Sdn. Bhd.
(72) CHUA, Yuen Kam
(74) J.M.H. Duyver lic.
(31) PI2014700257
(32) 07.02.2014
(33) Malaysia
(47) 01.05.2019

(51) F16G 15/04
(11) EP3279504
(21) EP17001296.7
(22) 27.07.2017
(54) CHAIN LOCKING LINK
(73) SRAM Deutschland GmbH
(72) Ribeiro, Bruno Miguel Ferreira da Silva
Nunes dos Santos, Pedro Miguel
(74) ir. W.J.J.M. Kempes
(31) 202016004662 U
102017006618
(32) 01.08.2016
12.07.2017
(33) Germany
Germany
(47) 08.05.2019

(51) F16H 9/12
F16G 5/16
(11) EP2998614
(21) EP13884614.2
(22) 17.05.2013
(54) CONTINUOUSLY VARIABLE TRANSMISSION
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) SASSA Toyomi
ANDO Satoru
ISHII Yoshikazu
(74) J.M.H. Duyver lic.
(47) 26.06.2019

(51) F16K 5/06
H01M 8/06
(11) EP3037697
(21) EP14841012.9
(22) 28.08.2014
(54) HIGH-PRESSURE TRUNNION BALL VALVE AND HYDROGEN STATION USING SAME
(73) KITZ CORPORATION
(72) GOMI, Takeshi
GUENTHER, Ronald
WATANABE, Osamu
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2013176542
(32) 28.08.2013
(33) Japan
(47) 22.05.2019

(51) F16L 47/03
B29C 65/34
F16L 47/14
(11) EP3298316
(21) EP16722885.7
(22) 13.05.2016
(54) FLANGE CONNECTION FOR COMPONENTS COMPOSED OF PLASTIC, IN PARTICULAR FOR TUBULAR COMPONENTS COMPOSED OF PLASTIC
(73) egeplast international GmbH
(72) STRANZ, Michael
(74) ir. W.J.J.M. Kempes
(31) 102015108083
(32) 21.05.2015
(33) Germany
(47) 01.05.2019

(51) F16L 53/38
(11) EP2910836
(21) EP14199763.5
(22) 22.12.2014
(54) Connector for a fluid line
(73) NORMA Germany GmbH
(72) Birman, Ervin
Mann, Stephan
(74) ir. J.C. Volmer c.s.
(31) 102014102362
(32) 24.02.2014
(33) Germany
(47) 15.05.2019

(51) F16L 59/02
F16L 59/147
B32B 37/00
B29C 69/00
B32B 15/08
B32B 15/20
B32B 5/24
B32B 5/18
B32B 1/08
B32B 3/08
B32B 3/16
B32B 3/14
B32B 27/36
B32B 7/12
B29C 53/06
B32B 5/02
B32B 5/26
(11) EP2223002
(21) EP08852569.6
(22) 28.10.2008
(54) PRE-APPLIED PROTECTIVE JACKETING TO GROOVED INSULATION
(73) Industrial Insulation Group, LLC
(72) WHITAKER, Thomas
MACKINNON, Kevin, J.
(74) ir. J.C. Volmer c.s.
(31) 989376 P
259002
(32) 20.11.2007
27.10.2008

(33) United States of America
United States of America
(47) 05.06.2019

(51) F16M 11/08
A61G 12/00
(11) EP3009728
(21) EP14003554.4
(22) 17.10.2014
(54) Retaining element for stand device and correspondingly formed components
(73) Ondal Medical Systems GmbH
(72) Oginski, Stefan
Höser, Markus
Göbel, Andreas
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 24.04.2019

(51) F16M 11/08
F16M 11/20
H04B 1/38
H04M 1/04
A47F 7/024
E05B 73/00
F16M 11/10
H04B 1/3877
(11) EP3320253
(21) EP16736061.9
(22) 05.07.2016
(54) ROTATABLE LINK
(73) Ergonomic Solutions International Limited
(72) BURMESTER, Benny
(74) ir. P.J. Hylarides c.s.
(31) 201500396
(32) 08.07.2015
(33) Denmark
(47) 22.05.2019

(51) F17C 3/02
(11) EP2984382
(21) EP14720660.1
(22) 04.04.2014
(54) UNCOUPLING OF THE CORRUGATIONS OF AN IMPERVIOUS BARRIER
(73) GAZTRANSPORT ET TECHNIGAZ
(72) DELANOE, Sébastien
BOYEAU, Marc
HERRY, Mickaël
PHILIPPE, Antoine
LONGUET, Virginie
PESQUET, Fabien
(74) ir. W.J.J.M. Kempes
(31) 1353262
(32) 11.04.2013
(33) France
(47) 08.05.2019

(51) F21S 8/06
F21S 4/22
F21Y 115/10
F21Y 103/10
(11) EP3179155
(21) EP16020499.6
(22) 18.09.2015
(54) ILLUMINATION DEVICE
(73) Konnex B.V.
(72) ANDRETZKY, Jürgen
(74) ir. F.A. Geurts c.s.
(31) 102014013627
102014016159
(32) 19.09.2014
04.11.2014
(33) Germany
Germany
(47) 15.05.2019

(51) F21V 23/04
F21L 4/00
F21Y 115/10
F21Y 115/30
(11) EP2864697
(21) EP13732652.6
(22) 14.06.2013
(54) LAMP WITH PROTECTION AGAINST SHINING IN AN UNDESIRED DIRECTION
(73) Steinar Holding B.V.
(72) HENSKES, Steinar Finn Boye
(74) ir. C.M. Jansen c.s.
(31) 1039692
2010170
(32) 22.06.2012
23.01.2013
(33) Netherlands
Netherlands
(47) 24.04.2019

(51) F22D 5/00
F22B 37/42
F16T 1/48
(11) EP3179165
(21) EP15828919.9
(22) 17.07.2015
(54) STEAM USING FACILITY MANAGEMENT METHOD, AND STEAM USING FACILITY
(73) TLV Co., Ltd.
(72) FUJIWARA, Yoshiyasu
(74) ir. W.J.J.M. Kempes
(31) 2014158753
(32) 04.08.2014
(33) Japan
(47) 08.05.2019

(51) F23C 5/08
F23C 13/00
(11) EP3279561
(21) EP16306000.7
(22) 02.08.2016
(54) APPARATUS FOR ENDOTHERMIC PROCESS WITH IMPROVED TUBES ARRANGEMENT
(73) L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
(72) TUDORACHE, Diana
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 26.06.2019

(51) F23D 14/62
F23D 14/02
F23D 14/36
F23N 1/02
F23N 3/00
F23D 14/60
F23N 1/00
(11) EP2690361
(21) EP11862540.9
(22) 20.12.2011
(54) SEPARATE FLOW PATH TYPE OF GAS-AIR MIXING DEVICE
(73) Kyungdong Navien Co., Ltd.
(72) SON, Seung kil
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20110026776
20110084417
(32) 25.03.2011
24.08.2011
(33) Korea (Republic)
Korea (Republic)
(47) 22.05.2019

(51) F23N 5/24
(11) EP2295863
(21) EP10172195.9
(22) 06.08.2010
(54) Combustion system, automatic gas ignition device and device and method for interrupting a fuel supply for same
(73) Robert Bosch GmbH
(72) Krieger, Klaus
Birr, Hartmut
Wenz, Michael
Deseyve, Arne
Grossmann, Juergen
Leutz, Hanspeter
(74) ir. C.M. Jansen c.s.
(31) 102009036423
(32) 06.08.2009
(33) Germany
(47) 01.05.2019

(51) F24H 9/02
F24D 13/02
F24C 7/04
(11) EP3209944
(21) EP14798722.6
(22) 23.10.2014
(54) PANEL HEATER AND METHOD FOR ASSEMBLING SUCH A PANEL HEATER
(73) De Mos, L. J.
(72) De Mos, L. J.
(74) ir. W.J.J.M. Kempes
(47) 01.05.2019

(51) F25B 17/08
F25B 35/04
F25B 15/00
F25B 25/02
(11) EP2678619
(21) EP12707944.0
(22) 22.02.2012
(54) METHOD FOR OPERATING AN ADSORPTION COMPRESSOR AND ADSORPTION COMPRESSOR FOR USE IN SAID METHOD
(73) Cooll Sustainable Energy Solutions B.V.
(72) BURGER, Johannes Faas
MEIJER, Robert Jan
(74) ir. C.M. Jansen c.s.
(31) 2006277
(32) 22.02.2011
(33) Netherlands
(47) 08.05.2019

(51) F25B 47/02
F25B 1/00
(11) EP2505941
(21) EP10832784.2
(22) 10.09.2010
(54) REFRIGERATION DEVICE FOR CONTAINER
(73) Daikin Industries, Ltd.
(72) YOKOHARA, Kazuma
FUJIMOTO, Yuusuke
OKAMOTO, Atsushi

(74) ir. W.J.J.M. Kempes
(31) 2009268030
(32) 25.11.2009
(33) Japan
(47) 15.05.2019

(51) F25D 3/11
(11) EP2594870
(21) EP11196279.1
(22) 30.12.2011
(54) Freezer apparatus
(73) Linde Aktiengesellschaft
(72) Newman, Michael D.
McCormick, Stephen A.
(74) ir. W.J.J.M. Kempes
(31) 201113298321
(32) 17.11.2011
(33) United States of America
(47) 08.05.2019

(51) F25D 23/06
F25D 11/00
B60H 1/32
(11) EP2442055
(21) EP10785922.5
(22) 04.06.2010
(54) REFRIGERATION DEVICE FOR TRAILER
(73) Daikin Industries, Ltd.
(72) IKEMIYA, Makoto
MATSUI, Kazuyasu
(74) ir. W.J.J.M. Kempes
(31) 2009139512
(32) 10.06.2009
(33) Japan
(47) 15.05.2019

(51) F25D 29/00
(11) EP2494292
(21) EP10774096.1
(22) 27.10.2010
(54) HYBRID REFRIGERATION SYSTEM FOR A MOBILE UNIT AND METHOD OF OPERATION
(73) Carrier Corporation
(72) CHOPKO, Robert A.
REASON, John R.
PERKOVICH, Mark J.
(74) J.M.H. Duyver lic.
(31) 255318 P
(32) 27.10.2009
(33) United States of America
(47) 10.07.2019

(51) F26B 3/20
F26B 17/02
F28F 21/06
F26B 17/04
F26B 21/00
F26B 25/10
(11) EP2972030
(21) EP14764158.3
(22) 17.03.2014
(54) DRYER USING ADJUSTABLE CONDITIONED AIR FLOW
(73) E. & J. Gallo Winery
(72) ROSSI, Joseph
ANDERSON, Steven, J.
MAGOON, Richard
(74) ir. W.J.J.M. Kempes
(31) 201361791939 P
(32) 15.03.2013
(33) United States of America
(47) 08.05.2019

(51) F28D 7/02
F28D 7/04
G01M 5/00
B21D 11/06
B21D 53/06
B23P 15/26
(11) EP3282213
(21) EP16001769.5
(22) 09.08.2016
(54) METHOD FOR DETERMINING A STRENGTH OF A TUBE BUNDLE HEAT EXCHANGER AND METHOD OF MANUFACTURING
(73) Linde Aktiengesellschaft
(72) Hölzl, Reinhold
Spreemann, Jürgen
Stefanescu, Adriana
(74) ir. W.J.J.M. Kempes
(47) 08.05.2019

(51) F41H 3/00
(11) EP2433082
(21) EP10777457.2
(22) 23.05.2010
(54) CAMOUFLAGE DEVICE
(73) Polaris Solutions, Ltd.
(72) PICCIOTTO , Asaf
(74) drs. C.M.A. Quintelier
(31) 180141 P
(32) 21.05.2009
(33) United States of America
(47) 01.05.2019

(51) F42B 3/185
F42D 1/04
E21B 43/1185
F42B 3/00
(11) EP3186582
(21) EP15836185.7
(22) 28.08.2015
(54) HIGH VOLTAGE EXPLOSIVE ASSEMBLY FOR DOWNHOLE DETONATIONS
(73) Hunting Titan, Inc.
(72) LERCHE, Nolan C.
BROOKS, James E.
(74) ir. C.M. Jansen c.s.
(31) 201462070587 P
(32) 29.08.2014
(33) United States of America
(47) 19.06.2019

(51) G01B 3/46
G01B 5/02
(11) EP2805127
(21) EP13702884.1
(22) 21.01.2013
(54) DEVICE AND METHOD FOR CHECKING THE WEAR OF ROLLER CHAINS
(73) Höbel, Glenn
Bayer, Reiner
(72) Höbel, Glenn
Bayer, Reiner
(74) drs. C.H. Mink-Lindenburg
(31) 102012100436
(32) 19.01.2012
(33) Germany
(47) 24.04.2019

(51) G01D 5/347
B41F 17/18
B41J 3/407
B65C 9/06
(11) EP2411771
(21) EP09752295.7
(22) 11.11.2009
(54) DISPOSITIF ET PROCÉDÉ POUR IMPRIMER SUR DES RÉCIPIENTS ET POUR DÉTECTER LA POSITION DE ROTATION D'AU MOINS UN DISPOSITIF DE ROTATION PRÉVU POUR RECEVOIR LE RÉCIPIENT
(73) KHS GmbH
(72) BECKHAUS, Carsten
(74) ir. J.M.G. Dohmen c.s.
(31) 102009014663
(32) 27.03.2009
(33) Germany
(47) 05.06.2019

(51) G01G 17/08
G01G 21/22
(11) EP2487474
(21) EP12155008.1
(22) 10.02.2012
(54) Platform scale
(73) Janner, Siegfried
(72) Janner, Siegfried
(74) ir. M.B. Plaggenborg
(31) 102011000682
(32) 11.02.2011
(33) Germany
(47) 01.05.2019

(51) G01K 1/02
G01K 15/00
G08C 25/00
H04Q 9/00
(11) EP2952864
(21) EP14745859.0
(22) 27.01.2014
(54) THERMOMETER MANAGEMENT SYSTEM
(73) Mizuno, Yoshiro
(72) Mizuno, Yoshiro
(74) J.M.H. Duyver lic.
(31) 2013019083
(32) 04.02.2013
(33) Japan
(47) 03.07.2019

(51) G01K 5/48
F03G 7/06
G05D 23/02
(11) EP3134645
(21) EP15723736.3
(22) 17.04.2015
(54) THERMOSTATS
(73) Kohler Mira Ltd
(72) SANSUM, Nigel
MEAD, Richard
(74) J.M.H. Duyver lic.
(31) 201407104
(32) 22.04.2014
(33) United Kingdom
(47) 26.06.2019

(51) G01L 7/08
G01L 19/14
(11) EP2464954
(21) EP10807794.2

(22) 11.08.2010
(54) PRESSURE INDICATOR
(73) Teleflex Life Sciences Unlimited Company
(72) ESNOUF, Philip, Stuart
(74) ir. H.J.G. Lips c.s.
(31) 2009903814
2010901240
(32) 13.08.2009
23.03.2010
(33) Australia
Australia
(47) 05.06.2019

(51) G01L 19/00
G01L 19/14
(11) EP3309528
(21) EP17191270.2
(22) 15.09.2017
(54) TUBE DIAPHRAGM SEAL
(73) WIKA Alexander Wiegand SE & Co. KG
(72) ZIPP, Joachim
HENCH, Tobias
HÖRNING, Udo
(74) ir. W.J.J.M. Kempes
(31) 102016012275
(32) 14.10.2016
(33) Germany
(47) 22.05.2019

(51) G01L 19/08
G01L 27/00
G01F 1/66
G01F 15/06
G01L 9/00
G01D 4/00
G01D 18/00
G01M 3/28
(11) EP3184984
(21) EP15202081.4
(22) 22.12.2015
(54) A SYSTEM FOR CALIBRATING PRESSURE SENSORS IN A UTILITY NETWORK
(73) Kamstrup A/S
(72) Sørensen, Jens Lykke
Laursen, Peter Schmidt
Nielsen, Søren Tønnes
Nielsen, Lars Hovgaard
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 01.05.2019

(51) G01M 17/02
G01R 33/07
(11) EP3243058
(21) EP16701084.2
(22) 05.01.2016
(54) MULTIPLE ROW SENSING DEVICE FOR A TIRE
(73) Compagnie Générate des Etablisssements Michelin
Compagnie Générale des Etablissements Michelin
(72) SCHOBER, Bradley, D.
GRAMLING, Frank, E.
JUDD, David, A.
(74) ir. C.M. Jansen c.s.
(31) PCT/US2015/010154
(32) 05.01.2015
(33) World Intellectual Property Office (WIPO)
(47) 01.05.2019

(51) G01N 1/14
A61B 1/00
A61L 2/28
B01L 3/00
(11) EP2663851
(21) EP12733887.9
(22) 11.01.2012
(54) A DEVICE AND METHOD OF TAKING SAMPLES FROM MEDICAL EQUIPMENT FOR THE PURPOSE OF MICROBIOLOGICAL TESTING
(73) Endoworx Pty Ltd
(72) CONNOR, Guy
STOKES, Roland Ian
FRANK, David
(74) dr. A. Krebs
(31) 2011900078
(32) 12.01.2011
(33) Australia
(47) 08.05.2019

(51) G01N 1/28
G01N 1/44
G01N 23/223
G01N 23/22
(11) EP3265775
(21) EP16707446.7
(22) 02.03.2016
(54) METHOD FOR PRODUCING A TABLET WHICH COMPRISES A SAMPLE MATERIAL
(73) thyssenkrupp AG
thyssenkrupp Industrial Solutions AG
(72) TEUTENBERG, Reinhard
SCHNEBERGER, Jürgen
BORNEFELD, Marc
MAIER, Oliver
(74) ir. C.M. Jansen c.s.
(31) 102015103192
(32) 05.03.2015
(33) Germany
(47) 08.05.2019

(51) G01N 27/327
C12Q 1/00
G01N 33/487
(11) EP2622336
(21) EP11791045.5
(22) 30.09.2011
(54) SYSTEMS AND METHODS OF DISCRIMINATING BETWEEN A CONTROL SAMPLE AND A TEST FLUID USING CAPACITANCE
(73) Cilag GmbH International
(72) CHATELIER, Ronald, C.
HODGES, Alastair, M.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 895067
(32) 30.09.2010
(33) United States of America
(47) 22.05.2019

(51) G01N 33/28
(11) EP2593785
(21) EP11807314.7
(22) 08.07.2011
(54) AUTO PRIMING AND FLUSHING AN APPARATUS FOR DETERMINING THE THERMAL STABILITY OF FLUIDS
(73) Petroleum Analyzer Company, LP
(72) ANDERSON, David, G.
YOUNGBLOOD, Larry, M.
YANG, Guoxing
SPINO, Larry, A.
BERKHOUS, Scott, K.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 885263
861595
838104
(32) 17.09.2010
23.08.2010
16.07.2010
(33) United States of America
United States of America
United States of America
(47) 22.05.2019

(51) G01N 33/50
(11) EP3271722
(21) EP16713751.2
(22) 15.03.2016
(54) METHODS TO DETECT NON-GENOTOXIC CARCINOGENS USING FLATWORMS
(73) Universiteit Hasselt
Universiteit Gent
(72) SMEETS, Karen
STEVENS, An-Sofie
PLUSQUIN, Michelle
ARTOIS, Tom
WILLEMS, Maxime
REMON, Jean Paul
(74) ir. W.J.J.M. Kempes
(31) 15159158
(32) 16.03.2015
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) G01N 33/53
(11) EP2517012
(21) EP10838413.2
(22) 21.12.2010
(54) AN ASSAY FOR MEASURING CELL-MEDIATED IMMUNORESPONSIVENESS
(73) Cellestis Limited
(72) BOYLE, Jeff
DE LAS HERAS, Rachel
(74) ir. W.J.J.M. Kempes
(31) 289880 P
(32) 23.12.2009
(33) United States of America
(47) 22.05.2019

(51) G01N 33/542
C12Q 1/68
G01N 33/543
(11) EP3234605
(21) EP15808682.7
(22) 15.12.2015
(54) BIOSENSOR BASED ON A TETHERED PARTICLE
(73) Technische Universiteit Eindhoven
(72) PRINS, Menno Willem José
MERKX, Maarten
IJZENDOORN, Leonardus Josephus
ZIJLSTRA, Peter
VISSER, Emilius Willem Adriaan
SCHEEPERS, Max Rose-Marie Wilhelmus
(74) ir. W.J.J.M. Kempes
(31) 201462092751 P
201462092763 P
201562132096 P
(32) 16.12.2014

16.12.2014
12.03.2015
(33) United States of America
United States of America
United States of America
(47) 03.07.2019

(51) G01N 33/569
(11) EP3274716
(21) EP16714304.9
(22) 22.03.2016
(54) A METHOD AND PEPTIDES FOR THE DETECTION OF CHLAMYDIA SUIS
(73) Universiteit Gent
(72) VANROMPAY, Daisy
(74) ir. W.J.J.M. Kempes
(31) 15160478
(32) 24.03.2015
(33) European Patent Office (EPO)
(47) 08.05.2019

(51) G01R 31/319
H05K 13/00
G01R 1/02
G01R 31/28
H01L 21/67
H05K 13/08
(11) EP3217183
(21) EP16159029.4
(22) 07.03.2016
(54) A POSITIONING DEVICE AND A SYSTEM FOR DETERMINING A SITE OF A WEAR PART OF A HANDLER
(73) Multitest elektronische Systeme GmbH
(72) Fritsche, Thomas
Petermann, Manuel
Born, Gabriela
(74) mr. ir. J. van Breda c.s.
(47) 01.05.2019

(51) G01R 33/561
G01R 33/483
G01R 33/54
G01R 33/48
G01R 33/56
G01R 33/563
(11) EP2327993
(21) EP11159033.7
(22) 14.03.2008
(54) MRI involving SSFP with magnetization preparation
(73) Toshiba Medical Systems Corporation
(72) Yui, Masao
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2007078568
2008018965
(32) 26.03.2007
30.01.2008
(33) Japan
Japan
(47) 22.05.2019

(51) G01S 1/68
F41G 3/26
(11) EP1577678
(21) EP04075768.4
(22) 09.03.2004
(54) A system and method for determining the location of a moving object in a secluded space
(73) SAAB AB
(72) Linderö, Björn
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 01.05.2019

(51) G01S 3/04
G01S 5/08
G01S 5/02
H04W 4/02
(11) EP3245533
(21) EP16701641.9
(22) 26.01.2016
(54) COMMUNICATIONS DEVICE, INFRASTRUCTURE EQUIPMENT, MOBILE COMMUNICATIONS NETWORK AND METHODS
(73) Sony Corporation
(72) MORIOKA, Yuichi
(74) ir. W.J.J.M. Kempes
(31) 15155651
(32) 18.02.2015
(33) European Patent Office (EPO)
(47) 26.06.2019

(51) G01S 17/48
G01S 17/89
G01S 7/487
(11) EP3004925
(21) EP14733433.8
(22) 23.05.2014
(54) INDIRECT REFLECTION SUPPRESSION IN DEPTH IMAGING
(73) Microsoft Technology Licensing, LLC
(72) COHEN, David
YAHAV, Giora
PELLMAN, Asaf
NEVET, Amir
IZADI, Shahram
(74) J.M.H. Duyver lic.
(31) 201313902605
(32) 24.05.2013
(33) United States of America
(47) 26.06.2019

(51) G01S 19/05
(11) EP3029489
(21) EP15202774.4
(22) 11.04.2011
(54) SESSION PARAMETERS IN THE PERIODIC ASSISTANCE DATA DELIVERY
(73) Nokia Technologies Oy
(72) Wirola, Lauri
Halivaara, Ismo
(74) ir. W.J.J.M. Kempes
(31) 323289 P
(32) 12.04.2010
(33) United States of America
(47) 22.05.2019

(51) G01V 3/10
A61B 90/00
A61B 34/20
A61B 5/06
(11) EP1849428
(21) EP07251788.1
(22) 27.04.2007
(54) Reduced field distortion in medical tools
(73) Biosense Webster, Inc.
(72) Shalgi, Avi
Nitzan, Yaacov
Bar-Tal, Meir
Yaron, Uri
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 414449
(32) 28.04.2006
(33) United States of America
(47) 22.05.2019

(51) G01V 5/00
(11) EP3032287
(21) EP15199532.1
(22) 11.12.2015
(54) VEHICLE MOUNTED MOBILE CONTAINER OR VEHICLE INSPECTION SYSTEM
(73) Nuctech Company Limited
(72) LI, Jianmin
LI, Yulan
GU, Jingyu
LI, Yuanjing
SONG, Quanwei
WANG, Weizhen
WANG, Dongyu
CHEN, Zhiqiang
TANG, Chuanxiang
LIU, Yinong
LI, Junli
XUE, Tao
GONG, Hui
WANG, Xuewu
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201410764478
(32) 11.12.2014
(33) China
(47) 01.05.2019

(51) G02B 5/00
G02B 13/00
G02B 3/00
H01L 25/00
H01L 27/146
H01L 31/0203
H01L 31/0232
H04N 5/225
(11) EP2153464
(21) EP08714772.4
(22) 19.03.2008
(54) METHOD OF PRODUCING A WAFER SCALE PACKAGE
(73) Heptagon Micro Optics Pte. Ltd.
(72) RUDMANN, Hartmut
HEIMGARTNER, Stephan
ROSSI, Markus
(74) ir. W.J.J.M. Kempes
(31) 690384
(32) 23.03.2007
(33) United States of America
(47) 08.05.2019

(51) G02B 5/02
F21V 8/00
B60Q 3/00
B32B 17/10
B60Q 1/00
B60Q 1/52
F21S 43/14
F21S 43/239
F21S 43/245
(11) EP3278148
(21) EP16718422.5
(22) 25.03.2016
(54) ILLUMINATED GLASS PANEL OF A MOTOR VEHICLE AND MOTOR

VEHICLE HAVING SUCH A GLASS PANEL
(73) Saint-Gobain Glass France
(72) BERARD, Mathieu
DUBOST, Brice
(74) ir. W.J.J.M. Kempes
(31) 1552897
(32) 03.04.2015
(33) France
(47) 08.05.2019

(51) G02F 1/13
G02F 1/1333
(11) EP2535764
(21) EP12171610.4
(22) 12.06.2012
(54) Substrate tray and manufacturing method of a flexible electronic display device with said substrate tray
(73) BOE Technology Group Co., Ltd.
(72) Guo, Wei
Lee, Woobong
Guo, Jing
Zhang, Hang
Ren, Qingrong
(74) ir. W.J.J.M. Kempes
(31) 201110159589
(32) 14.06.2011
(33) China
(47) 22.05.2019

(51) G02F 1/13357
F21S 2/00
G02F 1/1333
G09F 9/00
(11) EP2960712
(21) EP13875891.7
(22) 29.08.2013
(54) LIGHT SENSOR ATTACHMENT STRUCTURE OF IMAGE DISPLAY DEVICE
(73) EIZO Corporation
(72) KUBOTA, Masaru
KOJIMA, Kentaro
MATSUNAMI, Katsuhiko
ISOBE, Naoshi
IKEDA, Shosaku
MURATA, Kazuya
(74) ir. W.J.J.M. Kempes
(31) 2013034517
(32) 25.02.2013
(33) Japan
(47) 01.05.2019

(51) G02F 1/1345
H05K 3/36
H05K 3/32
H05K 1/11
(11) EP1630592
(21) EP05107021.7
(22) 29.07.2005
(54) Liquid crystal display device with a tape circuit substrate having a signal line with a slit
(73) Samsung Display Co., Ltd.
(72) Park, Hee-bum
Kim, Ock-jin
Park, Jin-ho
Lee, Kwang-soo
(74) ir. J.C. Volmer c.s.
(31) 2004066274
(32) 23.08.2004
(33) Korea (Republic)
(47) 26.06.2019

(51) G02F 1/1362
G02F 1/1333
G06F 1/16
H04N 7/14
H04M 1/02
(11) EP2741134
(21) EP13196020.5
(22) 06.12.2013
(54) Display panel with an image sensor
(73) BOE Technology Group Co., Ltd.
(72) Wang, Dongsheng
Dong, Youmei
Zhang, Mi
(74) ir. W.J.J.M. Kempes
(31) 201210524611
(32) 07.12.2012
(33) China
(47) 22.05.2019

(51) G03F 7/20
G02B 5/30
G02B 26/08
G02B 27/28
(11) EP2720253
(21) EP11867928.1
(22) 25.11.2011
(54) ILLUMINATION OPTICAL SYSTEM, EXPOSURE APPARATUS, AND METHOD FOR PRODUCING A DEVICE
(73) Nikon Corporation
(72) MIYAKE Norio
KATO Kinya
(74) ir. P.J. Hylarides c.s.
(31) 201161496234 P
(32) 13.06.2011
(33) United States of America
(47) 08.05.2019

(51) G03F 7/20
G02B 7/182
G02B 5/08
G02B 5/09
(11) EP2895920
(21) EP13756877.0
(22) 30.08.2013
(54) MIRROR
(73) Carl Zeiss SMT GmbH
(72) SÄNGER, Ingo
RUOFF, Johannes
ENDRES, Martin
EISENMANN, Thomas
(74) ir. W.J.J.M. Kempes
(31) 102012216502
201261701928 P
(32) 17.09.2012
17.09.2012
(33) Germany
United States of America
(47) 15.05.2019

(51) G03F 7/20
G02B 27/28
H01L 21/027
(11) EP2584589
(21) EP11795814.0
(22) 16.06.2011
(54) ILLUMINATING OPTICAL SYSTEM, EXPOSE DEVICE, AND DEVICE PRODUCTION METHOD
(73) Nikon Corporation
(72) SHIGEMATSU Koji
(74) ir. P.J. Hylarides c.s.
(31) 2010140024
(32) 19.06.2010
(33) Japan
(47) 08.05.2019

(51) G03G 15/08
G03G 9/08
(11) EP2806312
(21) EP14166283.3
(22) 29.04.2014
(54) Toner housing container
(73) Ricoh Company, Ltd.
(72) Yamabe, Junji
Terazawa, Seiji
Tamaki, Shinji
Kikuchi, Kenji
Hosokawa, Hiroshi
Katoh, Shunji
Teranishi, Ryoichi
Ikeguchi, Hiroshi
Suzuki, Michiharu
(74) ir. C.M. Jansen c.s.
(31) 2013107060
(32) 21.05.2013
(33) Japan
(47) 05.06.2019

(51) G03G 15/23
G03G 15/01
G03G 15/00
(11) EP1925991
(21) EP07121238.5
(22) 21.11.2007
(54) Image Forming Apparatus having Controller to Selectively Control Plurality of Driving Sources
(73) HP Printing Korea Co., Ltd.
(72) Ahn, Byung-sun
Chung, Kyung-shig
Ahn, Byeong-hwa
Kim, Soo-yong
Jeong, Gi-cheol
(74) dr. W.A.H.M. Van Borm
(31) 20060116101
20070053383
(32) 22.11.2006
31.05.2007
(33) Korea (Republic)
Korea (Republic)
(47) 03.07.2019

(51) G03G 21/16
G03G 21/18
(11) EP3291023
(21) EP17172620.1
(22) 22.08.2016
(54) DEVELOPING CARTRIDGE
(73) BROTHER KOGYO KABUSHIKI KAISHA
(72) ITABASHI, Nao
YOKOI, Junichi
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 22.05.2019

(51) G03G 21/18
(11) EP3208661
(21) EP14904028.9

(22) 17.10.2014
(54) IMAGE FORMING DEVICE, EXCHANGE UNIT AND METHOD FOR DETERMINING EXCHANGE UNIT
(73) SOC Corporation
(72) OGAWA, Toshitaka
ARIKAWA, Hiroo
KUWANA, Yuji
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 29.05.2019

(51) G03H 1/08
G02B 27/00
(11) EP2936252
(21) EP13812041.5
(22) 20.12.2013
(54) HOLOGRAPHIC IMAGE PROJECTION WITH HOLOGRAPHIC CORRECTION
(73) Two Trees Photonics Ltd
(72) CHRISTMAS, Jamieson
MASIYANO, Dackson
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201223416
(32) 21.12.2012
(33) United Kingdom
(47) 22.05.2019

(51) G05B 13/04
G05B 17/02
F23N 5/00
F23N 1/00
F23G 5/50
F23G 7/08
(11) EP3132199
(21) EP15779939.6
(22) 30.03.2015
(54) FEEDBACK CONTROL FOR REDUCING FLARING PROCESS SMOKE AND NOISE
(73) Honeywell International Inc.
(72) MOHIDEEN, Mohammed Ibrahim
GUNDAPPA, Madhukar Madhavamurthy
GELLABOINA, Mahesh
TALASILA, Viswanath
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201414252156
(32) 14.04.2014
(33) United States of America
(47) 22.05.2019

(51) G05B 19/042
H04L 12/403
G05B 23/02
G05B 15/02
(11) EP2542946
(21) EP11703862.0
(22) 09.02.2011
(54) CONTROL CABINET MONITORING DEVICE
(73) RITTAL GmbH & Co. KG
(72) HAIN, Markus
ROSENTHAL, Daniel
PRINZ, Ulrich
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102010009775
(32) 01.03.2010
(33) Germany
(47) 19.06.2019

(51) G05B 19/409
B25J 9/22
B05C 11/10
(11) EP2672352
(21) EP12741839.0
(22) 30.01.2012
(54) METHOD AND DEVICE WHICH AUTOMATICALLY GENERATE OPERATION PROGRAM
(73) Musashi Engineering, Inc.
(72) IKUSHIMA, Kazumasa
(74) ir. J.M.G. Dohmen c.s.
(31) 2011017622
(32) 31.01.2011
(33) Japan
(47) 29.05.2019

(51) G05D 23/19
(11) EP3308238
(21) EP16728681.4
(22) 12.06.2016
(54) METHOD AND THERMOSTAT CONTROLLER FOR DETERMINING A TEMPERATURE SET POINT
(73) Eaton Intelligent Power Limited
(72) KABRA, Siddharth
MUSUNURI, Shravana Kumar
THOKALA, Naveen Kumar
(74) J.M.H. Duyver lic.
(31) 1776DE2015
201520475
(32) 15.06.2015
20.11.2015
(33) India
United Kingdom
(47) 01.05.2019

(51) G06F 1/16
(11) EP3149555
(21) EP15729305.1
(22) 01.06.2015
(54) MOUNTING WEDGE FOR FLEXIBLE MATERIAL
(73) Microsoft Technology Licensing, LLC
(72) SIDDIQUI, Kabir
CUMMINGS, Stephan Alexander
(74) ir. P.J. Hylarides c.s.
(31) 201462006568 P
201414336545
(32) 02.06.2014
21.07.2014
(33) United States of America
United States of America
(47) 29.05.2019

(51) G06F 1/16
G06F 21/32
(11) EP3285133
(21) EP16184971.6
(22) 19.08.2016
(54) FOLDABLE DEVICE AND METHOD OF CONTROLLING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) Kim, Dae-myung
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 01.05.2019

(51) G06F 1/26
G06F 3/0354
H02J 7/02
(11) EP3195083
(21) EP15771818.0
(22) 10.09.2015
(54) INDUCTIVE PERIPHERAL RETENTION DEVICE
(73) Microsoft Technology Licensing, LLC
(72) JAKOBOSKI, Timothy Allen
NG, Shiu Sang
STANDING, William H.
(74) J.M.H. Duyver lic.
(31) 201414486381
(32) 15.09.2014
(33) United States of America
(47) 26.06.2019

(51) G06F 3/01
G06F 1/32
G06K 9/00
(11) EP2771768
(21) EP12775716.9
(22) 26.10.2012
(54) INTELLIGENT USER MODE SELECTION IN AN EYE-TRACKING SYSTEM
(73) Tobii AB
(72) ELVESJÖ, John Mikael
KINGBÄCK, Anders
TROILI, Gunnar
SKOGÖ, Mårten
ESKILSSON, Henrik
BLIXT, Peter
(31) 11186882
201261596517 P
(32) 27.10.2011
08.02.2012
(33) European Patent Office (EPO)
United States of America
(47) 26.06.2019

(51) G06F 3/01
G06F 3/048
(11) EP2795431
(21) EP11878232.5
(22) 22.12.2011
(54) REMOTE MACHINE MANAGEMENT
(73) Intel Corporation
(72) CHUKKA, Ravikiran
PRAKASH, Gyan
POORNACHANDRAN, Rajesh
(74) ir. W.J.J.M. Kempes
(47) 15.05.2019

(51) G06F 3/01
G06F 3/14
G06F 15/16
(11) EP3000012
(21) EP14800471.6
(22) 25.02.2014
(54) METHOD AND APPARATUS FOR DISPLAYING SCHEDULE ON WEARABLE DEVICE
(73) Samsung Electronics Co., Ltd.
(72) SUH, Ji-Eun
LEE, Ju-Youn
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130057756
(32) 22.05.2013
(33) Korea (Republic)
(47) 01.05.2019

(51) G06F 3/01
G06T 3/00
G02B 17/08
G06F 3/042
(11) EP3230825
(21) EP14824943.6
(22) 10.12.2014
(54) DEVICE FOR AND METHOD OF CORNEAL IMAGING

(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LAWRENSON, Matthew John
NOLAN, Julian Charles
(74) ir. J.M.G. Dohmen c.s.
(47) 29.05.2019

(51) G06F 3/0354
G06F 3/0481
(11) EP3180680
(21) EP15753572.5
(22) 11.08.2015
(54) STYLUS WITH COLOR CONTROL
(73) Microsoft Technology Licensing, LLC
(72) BOULANGER, Catherine N.
(74) J.M.H. Duyver lic.
(31) 201414458038
(32) 12.08.2014
(33) United States of America
(47) 26.06.2019

(51) G06F 3/041
G02F 1/1335
G06K 9/00
H01L 27/32
(11) EP3373119
(21) EP17199194.6
(22) 30.10.2017
(54) DISPLAY SCREEN, DISPLAY SCREEN ASSEMBLY, AND TERMINAL
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd
(72) JIN, Yong
(74) drs. C.M.A. Quintelier
(31) 201710132218
201720219668 U
(32) 07.03.2017
07.03.2017
(33) China
China
(47) 10.07.2019

(51) G06F 3/041
G06F 3/042
G09G 3/20
G06F 3/0354
(11) EP3076383
(21) EP14861137.9
(22) 29.05.2014
(54) TOUCH CONTROL CIRCUIT AND DRIVE METHOD THEREFOR, ARRAY SUBSTRATE AND TOUCH CONTROL DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
Hefei BOE Optoelectronics Technology Co., Ltd.
(72) GU, Xiaofang
HU, Ming
(74) ir. W.J.J.M. Kempes
(31) 201310628230
(32) 29.11.2013
(33) China
(47) 15.05.2019

(51) G06F 3/041
G06F 3/044
H01L 51/52
H01L 27/32
(11) EP3276462
(21) EP17183505.1
(22) 27.07.2017
(54) DISPLAY DEVICE
(73) Samsung Display Co., Ltd.
(72) Jun, Sanghyun
Bang, Kiho
Jung, Eunae
Ku, Keunlim
Ji, Mi-ran
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20160097498
(32) 29.07.2016
(33) Korea (Republic)
(47) 15.05.2019

(51) G06F 3/041
G06F 3/0488
G06F 3/0354
(11) EP3191922
(21) EP15775531.5
(22) 11.09.2015
(54) CLASSIFICATION OF TOUCH INPUT AS BEING UNINTENDED OR INTENDED
(73) Microsoft Technology Licensing, LLC
(72) DUROJAIYE, Olumuyiwa M.
ABZARIAN, David
(74) ir. P.J. Hylarides c.s.
(31) 201414485573
(32) 12.09.2014
(33) United States of America
(47) 24.04.2019

(51) G06F 3/042
(11) EP2515216
(21) EP10837025.5
(22) 10.12.2010
(54) INFRARED TOUCH SCREEN
(73) Beijing Irtouch Systems Co., Ltd.
(72) YE, Xinlin
LIU, Jianjun
LIU, Xinbin
(74) ir. W.J.J.M. Kempes
(31) 200920277957 U
(32) 16.12.2009
(33) China
(47) 05.06.2019

(51) G06F 3/048
G06F 3/041
G06F 3/0488
(11) EP2450782
(21) EP11192594.7
(22) 31.12.2009
(54) Adaptive virtual keyboard for handheld device
(73) Intel Corporation
(72) Ferren, Bran
(74) ir. W.J.J.M. Kempes
(31) 18752009 P
(32) 16.06.2009
(33) United States of America
(47) 08.05.2019

(51) G06F 3/0481
G06F 3/0483
G06F 3/01
A61B 3/113
G06T 11/00
H04N 5/232
(11) EP2600220
(21) EP12194485.4
(22) 27.11.2012
(54) Method for operating user functions based on eye tracking and mobile device adapted thereto
(73) Samsung Electronics Co., Ltd
(72) Park, Kyungdae
Kang, Jiyoung
Koh, Sanghyuk
Park, Mijung
Oh, Saegee
Lee, Chihoon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20110125911
(32) 29.11.2011
(33) Korea (Republic)
(47) 03.07.2019

(51) G06F 3/0485
G06F 3/0488
(11) EP2631766
(21) EP13154466.0
(22) 07.02.2013
(54) Method and apparatus for moving contents in terminal
(73) Samsung Electronics Co., Ltd
(72) Lee, Kiwon
Kim, Sangheon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120019351
(32) 24.02.2012
(33) Korea (Republic)
(47) 03.07.2019

(51) G06F 3/0485
G06F 3/0488
G06F 3/0481
(11) EP2454818
(21) EP10800005.0
(22) 13.07.2010
(54) SCROLLING METHOD OF MOBILE TERMINAL AND APPARATUS FOR PERFORMING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) KIM, Mee Young
LEE, Sung Sik
YOON, Kyoung Sik
KIM, Byung Joo
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20090063449
(32) 13.07.2009
(33) Korea (Republic)
(47) 26.06.2019

(51) G06F 3/0485
G06F 3/0488
G06T 13/80
(11) EP2801020
(21) EP13733917.2
(22) 05.01.2013
(54) PANNING ANIMATIONS OF A DISPLAYED USER INTERFACE
(73) Microsoft Technology Licensing, LLC
(72) BATES, Megan A.
ZOU, Song
ZHANG, Shaojie
LUENGEN, Ross N.
(74) ir. P.J. Hylarides c.s.
(31) 201213345073
(32) 06.01.2012
(33) United States of America
(47) 22.05.2019

(51) G06F 3/0488
G06F 3/02
(11) EP2820590
(21) EP13858834.8
(22) 01.03.2013

(54) KEY STRIKE DETERMINATION FOR PRESSURE SENSITIVE KEYBOARD
(73) Microsoft Technology Licensing, LLC
(72) DRASNIN, Sharon
MAIL, Scott Mitchel
BELESIU, Jim Tom
SHAW, Timothy C.
LUTZ, Moshe R.
DIETZ, Paul Henry
WHITT, III, David Otto
MCLAUGHLIN, Robyn Rebecca Reed
SCHNEIDER, Summer L.
WAHL, Eric Joseph
WISE, James H.
LEON, Camilo
AAGAARD, Karsten
OLIVER, Thomas Charles
CADY, Andrew N.
SCHULTZ, Bernard Maurice
DIGHDE, Rajesh Manohar
SIDDIQUI, Kabir
ISHIHARA, James Alec
WANG, Hua
GROENE, Ralf
STOUMBOS, Christopher Harry
PELLEY, Joel Lawrence
KASSELS, Jay Scott
SPOONER, Richard Peter
MICKELSON, Matthew David
HUALA, Rob
MATHIAS, Dennis J.
VANDERVOORT, David C.
PLEAKE, Todd David
WHITMAN, Christopher A.
OLER, Van Winston
UMENO, Hiroo
PEREK, David R.
SCHWAGER, Michael A.
SEILSTAD, Mark J.
REED, Anthony Christian
CUMMINGS, Stephan Alexander
JENSEN, Darryl I.
PANAY, Panos C.
STRANDE, Hakon
GOH, Chun Beng
MANTOOTH, Harold F.
MARSHALL, James Charles
PEDERSEN, Matthew G.
YOUNG, Robert D.
SHERMAN, Nathan C.
GIBSON, Scott K.
SYKES, Shane Aaron
LANE, David M.
OBIE, Gene Robert
GIAIMO, III, Edward C.
NEFF, David
SOUSA, Jose R.
(74) ir. P.J. Hylarides c.s.
(31) 201261606321 P
201261606301 P
201261606313 P
201261606333 P
201261606336 P
201261607451 P
201261613745 P
201213471393
(32) 02.03.2012
02.03.2012
02.03.2012
02.03.2012
02.03.2012
06.03.2012
21.03.2012
14.05.2012
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
(47) 24.04.2019

(51) G06F 3/0488
G06F 3/041
(11) EP3336679
(21) EP17201858.2
(22) 15.11.2017
(54) METHOD AND TERMINAL FOR PREVENTING UNINTENTIONAL TRIGGERING OF A TOUCH KEY AND STORAGE MEDIUM
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) ZHANG, Qiang
GE, Yixue
WANG, Hao
(74) drs. C.M.A. Quintelier
(31) 201611167946
(32) 16.12.2016
(33) China
(47) 17.07.2019

(51) G06F 3/0488
G06F 3/0481
G06F 9/54
(11) EP2778881
(21) EP14158471.4
(22) 10.03.2014
(54) Multi-input control method and system, and electronic device supporting the same
(73) Samsung Electronics Co., Ltd.
(72) Choi, Bokun
Hong, Kidong
Jung, Jeehye
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130025784
(32) 11.03.2013
(33) Korea (Republic)
(47) 03.07.2019

(51) G06F 3/0488
G06F 3/14
G06F 1/16
G06F 3/0481
G06F 9/451
(11) EP2659350
(21) EP11813632.4
(22) 28.12.2011
(54) METHOD AND SYSTEM FOR ADAPTING THE USAGE OF EXTERNAL DISPLAY WITH MOBILE DEVICE
(73) Google Technology Holdings LLC
(72) KIRCH, Jorge
ABRAHAM, Binu
GALICIA, Joshua
(74) dr. A. Krebs
(31) 983161
(32) 31.12.2010
(33) United States of America
(47) 03.07.2019

(51) G06F 3/14
G06F 9/06
H04L 12/58
(11) EP2316062
(21) EP09810421.9
(22) 26.07.2009
(54) MODIFYING CONVERSATION WINDOWS
(73) Microsoft Technology Licensing, LLC
(72) MOUDY, Brian Scott
NATARAJAN, Aarthi
SINGH, Geeven
IP, Amy Wai-Yee
(74) ir. P.J. Hylarides c.s.
(31) 200356
(32) 28.08.2008
(33) United States of America
(47) 22.05.2019

(51) G06F 9/06
G06F 13/14
(11) EP3087472
(21) EP13900166.3
(22) 27.12.2013
(54) SCALABLE INPUT/OUTPUT SYSTEM AND TECHNIQUES
(73) Intel Corporation
(72) HOWARD, John
MCGOWAN, Steven B.
PERYCZ, Krzysztof
(74) ir. W.J.J.M. Kempes
(47) 08.05.2019

(51) G06F 9/30
G06F 8/41
(11) EP2473918
(21) EP10768085.2
(22) 03.09.2010
(54) METHOD FOR GENERATING A SET OF INSTRUCTION COMPACTION SCHEMES, METHOD FOR COMPACTING A PROGRAM ACCORDING TO THE GENERATED SET, AND PROGRAMMABLE PROCESSOR CAPABLE OF EXECUTING A PROGRAM THUS COMPACTED
(73) Intel Corporation
(72) ZWARTENKOT, Hendrik Tjeerd Joannes
AUGUSTEIJN, Alexander
GUO, Yuanging
VON OERTHEL, Jürgen
LEIJTEN, Jeroen Anton Johan
LE THENAFF, Erwan Yann Maurice
(74) ir. W.J.J.M. Kempes
(31) 240059 P
(32) 04.09.2009
(33) United States of America
(47) 08.05.2019

(51) G06F 9/48
G06F 9/54
G06F 17/30
(11) EP3063674
(21) EP14799975.9
(22) 31.10.2014
(54) DETERMINING WEB PAGE PROCESSING STATE
(73) Kapow Technologies A/S

(72) DE CONINCK OWE, Benjamin
(74) J.M.H. Duyver lic.
(31) 201370639
(32) 01.11.2013
(33) Denmark
(47) 19.06.2019

(51) G06F 9/48
H04L 29/08
H04L 12/24
G06F 16/00
(11) EP2672385
(21) EP13171047.7
(22) 07.06.2013
(54) Cloud tabs
(73) Apple Inc.
(72) Knight, Paul R.
Miller, Jeffrey S.
(74) ir. A.R. Aalbers
(31) 201213492057
(32) 08.06.2012
(33) United States of America
(47) 24.07.2019

(51) G06F 11/07
G06F 11/30
G06F 11/34
(11) EP3267316
(21) EP17178524.9
(22) 28.06.2017
(54) RECORDING METHOD AND RECORDING APPARATUS OF POWER MODULE
(73) Delta Electronics (Shanghai) Co., Ltd.
(72) SUN, Zongyu
HUANG, Wei
LU, Yansong
(74) ir. P.J. Hylarides c.s.
(31) 201610536446
(32) 08.07.2016
(33) China
(47) 15.05.2019

(51) G06F 11/34
G06F 11/32
(11) EP2932393
(21) EP13818586.3
(22) 14.12.2013
(54) AUTOMATED CORRELATION AND ANALYSIS OF CALLSTACK AND CONTEXT DATA
(73) Microsoft Technology Licensing, LLC
(72) BASAVA, Shibani
AYGUN, Bertan
PRICE, Philip, Edward
GOLOVIN, Roman
KOLESNYK, Anton
HALSTEAD, Nathan, Ryan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201213715879
(32) 14.12.2012
(33) United States of America
(47) 08.05.2019

(51) G06F 11/36
(11) EP2994836
(21) EP14730673.2
(22) 08.05.2014
(54) SEMANTIC BASELINING
(73) Microsoft Technology Licensing, LLC
(72) FAHNDRICH, Manuel
LAHIRI, Shuvendu
LOGOZZO, Francesco
BLACKSHEAR, Sam
(74) J.M.H. Duyver lic.
(31) 201313890247
(32) 09.05.2013
(33) United States of America
(47) 26.06.2019

(51) G06F 12/02
G06F 17/30
(11) EP2633413
(21) EP11834842.4
(22) 04.10.2011
(54) LOW RAM SPACE, HIGH-THROUGHPUT PERSISTENT KEY-VALUE STORE USING SECONDARY MEMORY
(73) Microsoft Technology Licensing, LLC
(72) SENGUPTA, Sudipta
DEBNATH, Biplob Kumar
LI, Jin
(74) J.M.H. Duyver lic.
(31) 908153
(32) 20.10.2010
(33) United States of America
(47) 26.06.2019

(51) G06F 13/14
G06F 13/38
G06F 3/01
(11) EP3087494
(21) EP13900253.9
(22) 23.12.2013
(54) METHOD FOR USING MAGNETOMETER TOGETHER WITH GESTURE TO SEND CONTENT TO WIRELESS DISPLAY
(73) Intel Corporation
(72) RIDER, Tomer
TAITE, Shahar
RON, Aviv
KAPLAN, David
(74) ir. W.J.J.M. Kempes
(47) 15.05.2019

(51) G06F 15/16
H04L 12/26
(11) EP3033687
(21) EP13891539.2
(22) 12.08.2013
(54) APPLICATION-AWARE NETWORK MANAGEMENT
(73) Hewlett Packard Enterprise Development LP
(72) LEE, Junggun
ARNDT, Manfred R.
QAZI, Zafar A.
(74) dr. W.A.H.M. Van Borm
(47) 03.07.2019

(51) G06F 16/28
G06F 3/0482
G06F 16/93
G06F 16/955
G06F 16/84
G06F 16/81
G06F 16/25
(11) EP3062244
(21) EP16157173.2
(22) 24.02.2016
(54) SYSTEMS AND METHODS FOR ORGANIZING STRUCTURED DATA USING TAG OBJECTS
(73) Palantir Technologies Inc.
(72) Chakerian, John
Freeland, Carl
Grossman, Jack
Manning, Lawrence
Torres, Adam
Yang, Michael
(74) dr. A. Krebs
(31) 201514631633
(32) 25.02.2015
(33) United States of America
(47) 19.06.2019

(51) G06F 17/24
(11) EP1643387
(21) EP05105344.5
(22) 17.06.2005
(54) Design of spreadsheet functions for working with tables of data
(73) Microsoft Technology Licensing, LLC
(72) Becker, Andrew J.
Ellis, Charles D.
Chirilov, Joseph M.
Niemisto, Juha P
Androski, Matthew J.
Collie, Robert C.
Hawking, Robert G.
Peyton-Jones, Simon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 957502
(32) 30.09.2004
(33) United States of America
(47) 24.04.2019

(51) G06F 17/27
G06F 16/28
G06F 16/27
G06F 16/215
G06F 16/951
(11) EP2916242
(21) EP14192812.7
(22) 12.11.2014
(54) Graph-based entity resolution for documents using either bucket or record centric parallelization
(73) Tata Consultancy Services Limited
(72) Agarwal, Puneet
Shroff, Gautam
Malhotra, Pankaj
(74) ir. M.F.J.M. Ketelaars c.s.
(31) MU07702014
(32) 06.03.2014
(33) India
(47) 05.06.2019

(51) G06F 17/30
(11) EP3314464
(21) EP16733852.4
(22) 22.06.2016
(54) STORAGE AND RETRIEVAL OF DATA FROM A BIT VECTOR SEARCH INDEX
(73) Microsoft Technology Licensing, LLC
(72) HOPCROFT, Michael Joseph
GOODWIN, Robert Lovejoy
DEYNEKO, Denis V.
(74) ir. P.J. Hylarides c.s.
(31) 201562183556 P
201615186210
(32) 23.06.2015
17.06.2016
(33) United States of America
United States of America
(47) 24.04.2019

(51) G06F 17/30
(11) EP3314467
(21) EP16736323.3
(22) 22.06.2016
(54) BIT VECTOR SEARCH INDEX
(73) Microsoft Technology Licensing, LLC
(72) HOPCROFT, Michael Joseph
GOODWIN, Robert Lovejoy
BENNETT, John G.
(74) ir. P.J. Hylarides c.s.
(31) 201562183556 P
201615186196
(32) 23.06.2015
17.06.2016
(33) United States of America
United States of America
(47) 24.04.2019

(51) G06F 19/00
G01R 33/563
G06F 17/18
G06F 17/50
(11) EP2933743
(21) EP14165298.2
(22) 18.04.2014
(54) Method of characterizing molecular diffusion within a body from a set of diffusion-weighted magnetic resonance signals and apparatus for carrying out such a method
(73) Centre National de la Recherche Scientifique
Université de Rennes 1
INRIA - Institut National de Recherche en Informatique et en Automatique
(72) Stamm, Aymeric
Barillot, Christian
Commowick, Olivier
Perez, Patrick
(74) ir. C.M. Jansen c.s.
(47) 08.05.2019

(51) G06F 21/10
H04L 29/08
H04W 84/18
H04L 29/06
H04W 12/08
(11) EP3143540
(21) EP15726778.2
(22) 11.05.2015
(54) DISTRIBUTING CONTENT IN MANAGED WIRELESS DISTRIBUTION NETWORKS
(73) Microsoft Technology Licensing, LLC
(72) HUNT, Brandon T.
BURBA, Alexander
GALLOP, Michael J.
MORRISON, Frank R. III
(74) J.M.H. Duyver lic.
(31) 201414275785
(32) 12.05.2014
(33) United States of America
(47) 26.06.2019

(51) G06F 21/30
G06F 21/60
G06F 12/14
G06F 21/31
H04L 9/32
G06F 21/62
H04L 9/08
G06F 21/74
(11) EP2877955
(21) EP13822709.5
(22) 18.07.2013
(54) PROVIDING ACCESS TO ENCRYPTED DATA
(73) Intel Corporation
(72) SMITH, Ned M.
COX, George W.
JOHNSTON, David
(74) ir. W.J.J.M. Kempes
(31) 201213557079
(32) 24.07.2012
(33) United States of America
(47) 15.05.2019

(51) G06F 21/36
G06F 21/62
(11) EP3022675
(21) EP13889358.1
(22) 16.07.2013
(54) METHODS, APPARATUSES, AND COMPUTER PROGRAM PRODUCTS FOR HIDING ACCESS TO INFORMATION IN AN IMAGE
(73) Nokia Technologies OY
(72) LIN, Jianming
(74) ir. W.J.J.M. Kempes
(47) 22.05.2019

(51) G06F 21/42
G06Q 20/32
G06Q 20/36
G06Q 20/38
G07F 7/10
H04L 29/06
H04W 12/04
(11) EP2533172
(21) EP12170772.3
(22) 05.06.2012
(54) Secure access to data in a device
(73) Kobil Systems GmbH
(72) Koyun, Ismet
Madlener, Felix
Laue, Ralf
(74) ir. J.M.G. Dohmen c.s.
(31) 102011050863
102011051498
(32) 06.06.2011
01.07.2011
(33) Germany
Germany
(47) 01.05.2019

(51) G06F 21/55
G06F 3/0484
G06F 21/57
H04L 29/06
G06F 16/951
(11) EP3072077
(21) EP13897947.1
(22) 19.11.2013
(54) CONTEXT-AWARE PROACTIVE THREAT MANAGEMENT SYSTEM
(73) Intel Corporation
(72) BHARGAV-SPANTZEL, Abhilasha
VICENTE, John B.
HAGHIGHAT, Mohammad R.
CHEN, Oliver W.
KHOSRAVI, Hormuzd M.
KAHANA, Uri
(74) ir. W.J.J.M. Kempes
(47) 08.05.2019

(51) G06F 21/62
G06F 21/64
(11) EP3147809
(21) EP15186444.4
(22) 23.09.2015
(54) PROCESSING FILES TO BE STORED ON VIRTUAL DRIVE
(73) Avalosys Oy
(72) Pirhonen, Antti
Viitanen, Jari
Keskitalo, Ari
Kokkinen, Timo
(74) drs. C.M.A. Quintelier
(47) 12.06.2019

(51) G06F 21/72
G06F 21/85
H04L 29/06
(11) EP2461265
(21) EP10015270.1
(22) 03.12.2010
(54) Device for and method of handling sensitive data
(73) Novomatic AG
(72) Hueber, Andreas
Nagl, Gerhard
Nowak, Robert
Mudry, Igor
(74) dr. A. Krebs
(47) 22.05.2019

(51) G06K 7/14
G06N 3/08
(11) EP3428834
(21) EP17180889.2
(22) 12.07.2017
(54) OPTOELECTRONIC CODE READER AND METHOD FOR READING OPTICAL CODES
(73) Sick AG
(72) Schüler, Pascal
(47) 12.06.2019

(51) G06K 9/00
G06K 9/20
(11) EP3241154
(21) EP17716499.3
(22) 05.04.2017
(54) IMAGE PROCESSING METHOD AND SYSTEM FOR IRIS RECOGNITION
(73) FotoNation Limited
(72) ANDORKO, Istvan
CORCORAN, Peter
DRIMBAREAN, Alexandru
(74) ir. W.J.J.M. Kempes
(31) 201615192186
(32) 24.06.2016
(33) United States of America
(47) 12.06.2019

(51) G06K 15/02
(11) EP2827285
(21) EP13176488.8
(22) 15.07.2013
(54) IMAGE PROCESSING SYSTEM AND METHOD
(73) Xeikon Manufacturing NV
(72) Devlieghere, Jürgen Norbert Bart
Goetschalckx, Marc Lodewijk Cornelia
(74) ir. P.J. Hylarides c.s.
(47) 22.05.2019

(51) G06K 19/10
G06K 19/06
B42D 25/364
B42D 25/382
G06K 7/12
G06K 17/00
G02B 5/30
G02B 5/32
G06K 19/16
G07D 7/00
B42D 25/328
B41M 3/14
(11) EP2977935
(21) EP14769655.3
(22) 12.03.2014
(54) IDENTIFICATION MEDIUM, CODE INFORMATION READING METHOD, CODE INFORMATION READING DEVICE, IDENTIFICATION MEDIUM MANUFACTURING METHOD, AND IDENTIFICATION MEDIUM MANUFACTURING DEVICE
(73) NHK Spring Co., Ltd.
(72) HOSHINO, Hidekazu
TAKEUCHI, Itsuo
SHIBUYA, Seiya
IDA, Tohru
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2013058716
(32) 21.03.2013
(33) Japan
(47) 22.05.2019

(51) G06Q 10/06
G06Q 10/10
G06Q 50/18
G06F 17/30
(11) EP3093809
(21) EP16169684.4
(22) 13.05.2016
(54) SYSTEMS AND METHODS FOR STATE MACHINE MANAGEMENT
(73) Palantir Technologies Inc.
(72) Richards, Kevin
Bogomolov, Arseny
Bonik, Gregory
Hsu, Victor
Visbal, Alexander
Carrino, John
Bills, Cooper
Li, Diran
Rhyne, William
O'Brien, Timothy
Bango, Matthew
(74) dr. A. Krebs
(31) 201562161746 P
(32) 14.05.2015
(33) United States of America
(47) 26.06.2019

(51) G06Q 20/40
G06Q 50/06
G06F 21/32
H04L 29/08
A61B 5/103
A61B 5/00
G06F 1/16
H04W 12/06
H04W 84/18
(11) EP3224785
(21) EP15863042.6
(22) 18.11.2015
(54) ENERGY HARVESTING WEARABLE AUTHENTICATION
(73) Intel Corporation
(72) DURHAM, Lenitra M.
ANDERSON, Glen J.
(74) ir. W.J.J.M. Kempes
(31) 201414554857
(32) 26.11.2014
(33) United States of America
(47) 08.05.2019

(51) G06Q 50/10
G06F 17/30
(11) EP2932457
(21) EP13818088.0
(22) 13.12.2013
(54) CONTENT REACTION ANNOTATIONS
(73) Microsoft Technology Licensing, LLC
(72) KOUKOUMIDIS, Emmanouil
BECKMAN, Brian
LANE, Nicholas Donald Atkins
SAMUEL, Arjmand Micheal
(74) ir. P.J. Hylarides c.s.
(31) 201213713240
(32) 13.12.2012
(33) United States of America
(47) 24.04.2019

(51) G06T 3/40
(11) EP2172901
(21) EP09252323.2
(22) 30.09.2009
(54) Computerized method, storage medium, and system
(73) Sony Corporation
Sony Electronics Inc.
(72) Paniconi, Marco
Demirci, Oguz
(74) ir. W.J.J.M. Kempes
(31) 245659
(32) 03.10.2008
(33) United States of America
(47) 26.06.2019

(51) G06T 3/40
(11) EP2973388
(21) EP14715498.3
(22) 12.03.2014
(54) IMAGE CAPTURE AND ORDERING
(73) Microsoft Technology Licensing, LLC
(72) AGUERA Y ARCAS, Blaise
UNGER, Markus
BARNETT, Donald A.
GEDYE, David Maxwell
SINHA, Sudipta Narayan
STOLLNITZ, Eric Joel
KOPF, Johannes
(74) ir. P.J. Hylarides c.s.
(31) 201313826091
(32) 14.03.2013
(33) United States of America
(47) 24.04.2019

(51) G06T 5/50
(11) EP2759983
(21) EP14150007.4
(22) 02.01.2014
(54) Image processing methods and apparatuses
(73) Nuctech Company Limited
Tsinghua University
(72) Zhang, Li
Chen, Zhiqiang
Hao, Jia
(74) ir. F.A. Geurts c.s.
(31) 201310010091
(32) 10.01.2013
(33) China
(47) 24.04.2019

(51) G06T 7/00
(11) EP2823463
(21) EP13709509.7
(22) 01.03.2013
(54) METHOD AND SYSTEM TO ASSIST 2D-3D IMAGE REGISTRATION
(73) Cydar Limited
(72) CARRELL, Tom
VARNAVAS, Andreas
PENNEY, Graeme
(74) dr. A. Krebs
(31) 201203883
(32) 05.03.2012
(33) United Kingdom
(47) 22.05.2019

(51) G06T 7/00
G06K 9/20
G06T 7/579
G06T 7/80
G06T 7/593
(11) EP2960859
(21) EP14186028.8
(22) 23.09.2014
(54) CONSTRUCTING A 3D STRUCTURE
(73) Tata Consultancy Services Limited
(72) Bhowmick, Brojeshwar
Mallik, Apurbaa
Saha, Arindam
(74) ir. W.J.J.M. Kempes
(31) 1989MU2014
(32) 19.06.2014
(33) India
(47) 01.05.2019

(51) G06T 7/11
G06T 7/174
G06T 7/194
(11) EP2450851
(21) EP10793520.7
(22) 05.03.2010
(54) TARGET DETECTION METHOD AND APPARATUS AND IMAGE ACQUISITION DEVICE
(73) Shenzhen Taishan Online Technology Co., Ltd.
(72) SHI, Danwei
ZHOU, Kun
(74) ir. W.J.J.M. Kempes
(31) 200910108166
(32) 03.07.2009
(33) China
(47) 08.05.2019

(51) G06T 7/12
(11) EP2293242
(21) EP10157865.6
(22) 26.03.2010
(54) Ultrasound system and method for segmenting vessels
(73) Samsung Medison Co., Ltd.
(72) Lee, Jun Kyo
Hyun, Dong Gyu

Yoo, Jae Heung
(74) mr. ir. J. van Breda c.s.
(31) 20090072559
(32) 07.08.2009
(33) Korea (Republic)
(47) 01.05.2019

(51) G06T 7/60
A01K 29/00
A61D 17/00
(11) EP3127088
(21) EP15715470.9
(22) 06.03.2015
(54) AN ARRANGEMENT AND METHOD TO DETERMINE A BODY CONDITION SCORE OF AN ANIMAL
(73) Lely Patent N.V.
(72) VAN DER KAMP, Adolf Jan
SONG, Xiangyu
VAN DER TOL, Patrick Philip Jacob
(74) ir. M.J.F.M. Corten
(31) 2012540
(32) 01.04.2014
(33) Netherlands
(47) 19.06.2019

(51) G06T 17/20
(11) EP3140815
(21) EP15724844.4
(22) 04.05.2015
(54) FABRICATING THREE-DIMENSIONAL OBJECTS WITH EMBOSSING
(73) Microsoft Technology Licensing, LLC
(72) IVERSON, Kristofer N.
SISOLAK, Vladimir
JAKUBOVIC, Jan
KUSNIER, Martin
MATEASIK, Anton
BAZELIDES, Milos
MCGATHA, Jesse
JIN, Yulin
(74) J.M.H. Duyver lic.
(31) 201461988789 P
201414463853
(32) 05.05.2014
20.08.2014
(33) United States of America
United States of America
(47) 26.06.2019

(51) G06T 17/20
G06T 15/08
G06T 19/00
(11) EP3156975
(21) EP16193486.4
(22) 12.10.2016
(54) VOXELIZATION OF A TRIDIMENSIONAL MESH
(73) Biosense Webster (Israel) Ltd.
(72) COHEN, Benjamin
ZAR, Lior
KATZ, Natan Sharon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514881192
(32) 13.10.2015
(33) United States of America
(47) 29.05.2019

(51) G07C 9/00
G06K 7/00
G07F 7/08
H02B 1/26
H05K 5/00
(11) EP3092628
(21) EP15702515.6
(22) 05.01.2015
(54) ACCESS CONTROL READER AND COMPLEMENTARY CONTROL MODULE
(73) Systemes Et Technologies Identification (STID)
(72) DUPART, Vincent
SILVE, Jérôme
POITRAT, Sylvain
(74) ir. P.J. Hylarides c.s.
(31) 1450088
(32) 07.01.2014
(33) France
(47) 08.05.2019

(51) G08B 5/38
G08B 29/18
(11) EP3214608
(21) EP16158130.1
(22) 01.03.2016
(54) NOTIFICATION DEVICE
(73) ATEIS MIDDLE EAST FZCO
(72) AL HADDAD, Haider
(74) ir. H.J.G. Lips c.s.
(47) 08.05.2019

(51) G08B 17/10
G08B 29/18
(11) EP3170160
(21) EP15821610.1
(22) 15.07.2015
(54) SYSTEMS AND METHODS FOR INTELLIGENT ALARMING
(73) Google LLC
(72) PETERSON, Kevin Charles
MATSUOKA, Yoky
WEBB, Nicholas Unger
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201414335699
(32) 18.07.2014
(33) United States of America
(47) 03.07.2019

(51) G08C 19/00
(11) EP2973488
(21) EP14779524.9
(22) 10.03.2014
(54) DISTRIBUTED SENSOR SYSTEM WITH REMOTE SENSOR NODES AND CENTRALIZED DATA PROCESSING
(73) Aclima Inc.
(72) RISK, Gabriel
HERZL, Davida
HERZL, Roland
CORAZZINI, Tobe
HU, Stanley
(74) ir. J.M.G. Dohmen c.s.
(31) 201313800172
201313800199
(32) 13.03.2013
13.03.2013
(33) United States of America
United States of America
(47) 01.05.2019

(51) G08C 19/00
(11) EP3084744
(21) EP14872863.7
(22) 19.12.2014
(54) SYSTEM AND METHOD FOR OPTIMIZED APPLIANCE CONTROL
(73) Universal Electronics Inc.
(72) ARLING, Paul D.
(74) dr. W.A.H.M. Van Borm
(31) 201314136023
(32) 20.12.2013
(33) United States of America
(47) 12.06.2019

(51) G09G 3/36
G06F 3/041
G11C 19/28
(11) EP3159885
(21) EP14864995.7
(22) 02.09.2014
(54) GATE DRIVING CIRCUIT, ARRAY SUBSTRATE, DISPLAY DEVICE, AND DRIVING METHOD
(73) BOE Technology Group Co., Ltd.
Chengdu BOE Optoelectronics Technology Co., Ltd.
(72) JI, Bin
(74) ir. W.J.J.M. Kempes
(31) 201410274166
(32) 18.06.2014
(33) China
(47) 22.05.2019

(51) G10L 19/002
G10L 19/02
(11) EP3040987
(21) EP14867012.8
(22) 08.07.2014
(54) ENCODING METHOD AND APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) LIU, Zexin
WANG, Bin
MIAO, Lei
(74) ir. W.J.J.M. Kempes
(31) 201310635004
(32) 02.12.2013
(33) China
(47) 29.05.2019

(51) G10L 19/005
G10L 25/90
G10L 19/08
G10L 19/02
(11) EP3285255
(21) EP17191505.1
(22) 27.10.2014
(54) AUDIO DECODER AND METHOD FOR PROVIDING A DECODED AUDIO INFORMATION USING AN ERROR CONCEALMENT BASED ON A TIME DOMAIN EXCITATION SIGNAL
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) Lecomte, Jérémie
Markovic, Goran
Schnabel, Michael
Pietrzyk, Grzegorz
(74) ir. F.A. Geurts c.s.
(31) 13191133
14178824
(32) 31.10.2013
28.07.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 01.05.2019

(51) G10L 19/18
G10L 19/02
G10L 19/028
G10L 19/04
G10L 19/24
G10L 21/038
(11) EP3175451
(21) EP15741221.4
(22) 24.07.2015
(54) AUDIO CODING IN THE FREQUENCY AND TIME DOMAINS USING A CROSS PROCESSOR FOR CONTINUOUS INITIALIZATION
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) DISCH, Sascha
DIETZ, Martin
MULTRUS, Markus
FUCHS, Guillaume
RAVELLI, Emmanuel
NEUSINGER, Matthias
SCHNELL, Markus
SCHUBERT, Benjamin
GRILL, Bernhard
(74) ir. F.A. Geurts c.s.
(31) 14178819
(32) 28.07.2014
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) G10L 19/18
G10L 19/02
G10L 19/028
G10L 19/04
G10L 19/24
G10L 21/038
(11) EP3186809
(21) EP15739300.0
(22) 24.07.2015
(54) AUDIO ENCODING AND DECODING IN THE FREQUENCY AND TIME DOMAINS
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) DISCH, Sascha
DIETZ, Martin
MULTRUS, Markus
FUCHS, Guillaume
RAVELLI, Emmanuel
NEUSINGER, Matthias
SCHNELL, Markus
SCHUBERT, Benjamin
GRILL, Bernhard
(74) ir. F.A. Geurts c.s.
(31) 14178817
(32) 28.07.2014
(33) European Patent Office (EPO)
(47) 24.04.2019

(51) G10L 21/0216
G10L 21/02
(11) EP2748817
(21) EP12784775.4
(22) 29.09.2012
(54) PROCESSING SIGNALS
(73) Skype
(72) AHGREN, Per
SORENSEN, Karsten Vandborg
(74) ir. C.M. Jansen c.s.
(31) 201116840
201113308165
(32) 30.09.2011
30.11.2011
(33) United Kingdom
United States of America
(47) 22.05.2019

(51) G10L 21/0272
H04S 7/00
G10H 1/00
(11) EP3127115
(21) EP15711711.0
(22) 17.03.2015
(54) METHOD AND APPARATUS FOR GENERATING AUDIO CONTENT
(73) Sony Corporation
(72) CARDINAUX, Fabien
ENENKL, Michael
GIRON, Franck
KEMP, Thomas
UHLICH, Stefan
(74) ir. W.J.J.M. Kempes
(31) 14162675
(32) 31.03.2014
(33) European Patent Office (EPO)
(47) 17.07.2019

(51) G11B 20/10
G06F 17/00
G10L 19/002
G10L 99/00
G10L 19/008
G10L 19/16
(11) EP2917915
(21) EP13853214.8
(22) 23.10.2013
(54) MULTI-RESOLUTION AUDIO SIGNALS
(73) Nokia Technologies OY
(72) YLIAHO, Marko
KOSKI, Ari
(74) ir. W.J.J.M. Kempes
(31) 201213669932
(32) 06.11.2012
(33) United States of America
(47) 22.05.2019

(51) G11C 19/28
(11) EP2725581
(21) EP13187910.8
(22) 09.10.2013
(54) Shift register and method for driving the same, gate driving device, display device and electronic product
(73) BOE Technology Group Co., Ltd.
(72) Liu, Yaohu
(74) ir. W.J.J.M. Kempes
(31) 201210421295
(32) 29.10.2012
(33) China
(47) 15.05.2019

(51) G11C 29/42
G06F 11/10
(11) EP2979271
(21) EP13880334.1
(22) 25.03.2013
(54) MEMORY DEVICE HAVING ERROR CORRECTION LOGIC
(73) Hewlett Packard Enterprise Development LP
(72) LESARTRE, Gregg B.
(74) dr. W.A.H.M. Van Borm
(47) 19.06.2019

(51) G16H 30/20
G16H 50/50
(11) EP2374083
(21) EP09802058.9
(22) 04.12.2009
(54) SYSTEM AND METHOD TO DEFINE TARGET VOLUME FOR STIMULATION IN BRAIN
(73) The Cleveland Clinic Foundation
(72) BUSTON, Christopher, R.
MCINTYRE, Cameron, C.
(74) ir. A.R. Aalbers
(31) 120006 P
(32) 04.12.2008
(33) United States of America
(47) 15.05.2019

(51) H01H 13/86
(11) EP2738783
(21) EP13191717.1
(22) 06.11.2013
(54) Key button apparatus
(73) Samsung Electronics Co., Ltd
(72) Cheong, Hyun-Min
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120135797
(32) 28.11.2012
(33) Korea (Republic)
(47) 22.05.2019

(51) H01J 37/28
H01J 37/244
H01J 37/304
G01Q 10/00
(11) EP2715767
(21) EP12725622.0
(22) 25.05.2012
(54) APPARATUS AND METHOD FOR INVESTIGATING AN OBJECT
(73) Carl Zeiss SMT GmbH
(72) BAUR, Christof
EDINGER, Klaus
HOFMANN, Thorsten
BARALIA, Gabriel
BUDACH, Michael
(74) ir. W.J.J.M. Kempes
(31) 201161491713 P
(32) 31.05.2011
(33) United States of America
(47) 08.05.2019

(51) H01L 21/56
B01L 3/00
B29C 45/00
H01L 21/67
(11) EP2992550
(21) EP14791125.9
(22) 30.04.2014
(54) A LAB-ON-A-CHIP FABRICATION METHOD
(73) Sintef TTO AS
(72) TOFTEBERG, Terje Rosquist
ANDREASSEN, Erik
MIELNIK, Michal Marek
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130600
(32) 30.04.2013
(33) Norway
(47) 24.04.2019

(51) H01L 23/498
H01L 27/08

H01L 23/48
H01L 49/02
(11) EP3043381
(21) EP16156470.3
(22) 08.05.2008
(54) INTEGRATION SUBSTRATE WITH A ULTRA-HIGH-DENSITY CAPACITOR AND A THROUGH-SUBSTRATE VIA
(73) Murata Integrated Passive Solutions
(72) KLOOTWIJK, Johan, H.
ROOZEBOOM, Freddy
RUIGROK, Jaap
REEFMAN, Derk
(74) ir. W.J.J.M. Kempes
(31) 07107974
(32) 10.05.2007
(33) European Patent Office (EPO)
(47) 22.05.2019

(51) H01L 25/065
H01L 25/07
H01L 25/18
H01L 27/14
H01L 27/146
H04N 5/369
H01L 25/16
(11) EP3267480
(21) EP17183032.6
(22) 28.12.2010
(54) SOLID-STATE IMAGE SENSOR AND CAMERA SYSTEM
(73) Sony Corporation
(72) SUKEGAWA, Shunichi
FUKUSHIMA, Noriyuki
(74) ir. W.J.J.M. Kempes
(31) 2010002979
2010255934
(32) 08.01.2010
16.11.2010
(33) Japan
Japan
(47) 19.06.2019

(51) H01L 27/146
H01L 27/148
(11) EP3278362
(21) EP16718755.8
(22) 01.04.2016
(54) BENDING SEMICONDUCTOR CHIP IN MOLDS HAVING RADIALLY VARYING CURVATURE
(73) Microsoft Technology Licensing, LLC
(72) KEEFE, Andrew
MCKNIGHT, Geoffrey, P.
HERRERA, Guillermo
(74) J.M.H. Duyver lic.
(31) 201514677622
(32) 02.04.2015
(33) United States of America
(47) 26.06.2019

(51) H01L 29/66
G02F 1/1343
H01L 29/45
H01L 29/49
H01L 27/12
(11) EP2879187
(21) EP12867720.0
(22) 08.11.2012
(54) THIN FILM TRANSISTOR, ARRAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
(72) ZHANG, Xuehui
LIU, Xiang
XUE, Jianshe
(74) ir. W.J.J.M. Kempes
(31) 201210260931
(32) 25.07.2012
(33) China
(47) 22.05.2019

(51) H01L 29/66
H01L 21/467
H01L 29/786
H01L 29/45
(11) EP2822030
(21) EP12844653.1
(22) 21.11.2012
(54) MANUFACTURING METHOD FOR ARRAY SUBSTRATE, ARRAY SUBSTRATE AND DISPLAY
(73) BOE Technology Group Co., Ltd.
(72) YAO, Qi
DAI, Tianming
ZHANG, Feng
CAO, Zhanfeng
ZHU, Peiyu
(74) ir. W.J.J.M. Kempes
(31) 201210048821
(32) 28.02.2012
(33) China
(47) 22.05.2019

(51) H01L 33/00
H01L 33/40
H01L 33/46
H01L 33/64
(11) EP2648236
(21) EP13174570.5
(22) 31.03.2003
(54) Vertical light-emitting devices comprising a metal support film
(73) LG Innotek Co., Ltd.
(72) Yoo, Myung Cheol
(74) J.M.H. Duyver lic.
(31) 118317
(32) 09.04.2002
(33) United States of America
(47) 01.05.2019

(51) H01L 33/34
H01L 33/00
(11) EP2526571
(21) EP11705035.1
(22) 21.01.2011
(54) SILICON LIGHT EMITTING DEVICE AND METHOD OF FABRICATING SAME
(73) Insiava (Pty) Limited
(72) VENTER, Petrus Johannes
(74) ir. J.M.G. Dohmen c.s.
(31) 201000521
(32) 22.01.2010
(33) South Africa
(47) 01.05.2019

(51) H01L 33/48
H01L 33/62
H01L 33/60
(11) EP2755246
(21) EP14151065.1
(22) 14.01.2014
(54) Light emitting diode device
(73) LG Innotek Co., Ltd.
(72) Oh, Sung Joo
Min, Bong Kul
(74) J.M.H. Duyver lic.
(31) 20130003825
(32) 14.01.2013
(33) Korea (Republic)
(47) 12.06.2019

(51) H01L 33/56
H01L 33/50
H01L 25/075
H01L 33/48
(11) EP1743358
(21) EP05740241.4
(22) 25.04.2005
(54) Package comprising light emitting diodes
(73) GE Lighting Solutions, LLC
(72) AANEGOLA, Srinath K.
PETROSKI, James T.
RADKOV, Emil
WEAVER, Stanton E., Jr.
(74) ir. W.J.J.M. Kempes
(31) 831862
(32) 26.04.2004
(33) United States of America
(47) 15.05.2019

(51) H01L 45/00
H01L 27/24
(11) EP3066687
(21) EP14860857.3
(22) 23.10.2014
(54) ELECTRODE MATERIALS AND INTERFACE LAYERS TO MINIMIZE CHALCOGENIDE INTERFACE RESISTANCE
(73) Intel Corporation
(72) GEALY, F. Daniel
GOTTI, Andrea
COLOMBO, Davide
CHANG, Kuo-Wei
(74) ir. W.J.J.M. Kempes
(31) 201314073927
(32) 07.11.2013
(33) United States of America
(47) 08.05.2019

(51) H01L 51/52
(11) EP2433319
(21) EP10719465.6
(22) 21.04.2010
(54) HERMETIC ELECTRICAL PACKAGE
(73) BOE Technology Group Co., Ltd.
(72) FARQUHAR, Donald, Seton
HERZOG, Michael, Scott
RAKUFF, Stefan
(74) ir. W.J.J.M. Kempes
(31) 470033
(32) 21.05.2009
(33) United States of America
(47) 05.06.2019

(51) H01L 51/52
(11) EP2543088
(21) EP11707306.4
(22) 25.02.2011
(54) MITIGATING SHORTING RISKS IN ENCAPSULATED ORGANIC LIGHT EMITTING DEVICES (OLEDS)
(73) BOE Technology Group Co., Ltd.

(72) BALASCHAK, Edward James
KOSTKA, James Michael
(74) ir. W.J.J.M. Kempes
(31) 717151
(32) 04.03.2010
(33) United States of America
(47) 22.05.2019

(51) H01M 10/0583
H01M 2/02
H01M 2/08
H01M 2/30
H01M 10/04
H01M 10/0525
(11) EP2811571
(21) EP14736592.8
(22) 21.03.2014
(54) SECONDARY BATTERY HAVING IMPROVED ENERGY DENSITY
(73) LG Chem, Ltd.
(72) PARK, Jun-Kyu
PARK, Hyun-Woo
LEE, Kyung-Min
LEE, Jeong-Ah
UM, Jae-Ho
(74) J.M.H. Duyver lic.
(31) 20130031062
(32) 22.03.2013
(33) Korea (Republic)
(47) 26.06.2019

(51) H01Q 1/24
H01Q 7/00
H01Q 9/04
H01Q 5/20
H01Q 5/314
H01Q 5/35
H01Q 21/28
H04B 5/00
(11) EP3168928
(21) EP16197267.4
(22) 04.11.2016
(54) ELECTRONIC DEVICE AND ANTENNA
(73) Sony Corporation
(72) YONG, Check Chin
NAGAE, Tatsuya
(74) ir. W.J.J.M. Kempes
(31) 2015223130
(32) 13.11.2015
(33) Japan
(47) 03.07.2019

(51) H01Q 1/38
H01Q 7/00
H01Q 5/335
H01Q 1/24
(11) EP3226349
(21) EP14908666.2
(22) 22.12.2014
(54) ANTENNA AND TERMINAL
(73) Huawei Technologies Co. Ltd.
(72) ZHANG, Chen
GAO, Jianming
CHEN, Yibo
LIU, Bing
(74) ir. W.J.J.M. Kempes
(47) 29.05.2019

(51) H01Q 1/40
H01Q 1/24
G03B 17/00
H01Q 5/00
H01Q 9/14
H01Q 9/42
H01Q 13/10
H01Q 21/28
(11) EP2772987
(21) EP14156785.9
(22) 26.02.2014
(54) Antenna for camera
(73) Samsung Electronics Co., Ltd.
(72) Sung, Sangbong
Kim, Seunghwan
Byun, Joonho
Chun, Jaebong
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130020827
(32) 27.02.2013
(33) Korea (Republic)
(47) 03.07.2019

(51) H01Q 3/26
H04W 72/12
H04W 72/04
H04W 52/32
H04W 52/14
(11) EP2484022
(21) EP10768325.2
(22) 29.09.2010
(54) UPLINK CONTROL CHANNEL RESOURCE ALLOCATION FOR TRANSMIT DIVERSITY
(73) Qualcomm Incorporated
(72) LUO, Xiliang
CHEN, Wanshi
DAMNJANOVIC, Jelena, M.
GAAL, Peter
MONTOJO, Juan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 246841 P
890452
(32) 29.09.2009
24.09.2010
(33) United States of America
United States of America
(47) 22.05.2019

(51) H01Q 9/28
H01Q 21/20
H01Q 21/29
G01S 13/75
H01Q 1/34
H01Q 3/44
(11) EP3269008
(21) EP16720324.9
(22) 04.03.2016
(54) MULTI-FUNCTION ANTENNA SYSTEM WITH RADAR REFLECTOR
(73) Sputnik24 Communication Systems GmbH
(72) WÖTZEL, E., Frank
(74) ir. C.M. Jansen c.s.
(31) 202015001972 U
(32) 09.03.2015
(33) Germany
(47) 24.04.2019

(51) H01R 4/18
H01R 4/20
H01R 4/62
(11) EP2560239
(21) EP12177292.5
(22) 20.07.2012
(54) Method of attaching a connector to an electrical cable
(73) DMC Power, Inc.
(72) Khansa, Eyass
Sosa, Luis
(74) ir. P.J. Hylarides c.s.
(31) 201161523530 P
201113274503
201213413473
(32) 15.08.2011
17.10.2011
06.03.2012
(33) United States of America
United States of America
United States of America
(47) 22.05.2019

(51) H01R 13/426
H01R 9/24
H01R 4/36
H01R 4/48
(11) EP3075035
(21) EP14805780.5
(22) 23.10.2014
(54) PLUG CONNECTOR CONTACT CARRIER
(73) Amphenol-Tuchel Electronics GmbH
(72) BERTSCH, Michael
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102013019695
(32) 26.11.2013
(33) Germany
(47) 24.04.2019

(51) H01R 13/639
H01R 13/627
H01R 103/00
(11) EP2826107
(21) EP13708857.1
(22) 13.03.2013
(54) ELECTRICAL PLUG RETAINER OUTLET
(73) Eaton Intelligent Power Limited
(72) MCDOWALL, Gregor
(74) J.M.H. Duyver lic.
(31) 12159995
(32) 16.03.2012
(33) European Patent Office (EPO)
(47) 12.06.2019

(51) H01T 23/00
(11) EP3180825
(21) EP15745635.1
(22) 10.07.2015
(54) ACTIVE IONIZATION CONTROL WITH CLOSED LOOP FEEDBACK AND INTERLEAVED SAMPLING
(73) Illinois Tool Works Inc.
(72) GORCZYCA, John A.
BLANCO, Manuel C.
MANDRACHIA, Steven J.
(74) ir. W.J.J.M. Kempes
(31) 201414460685
(32) 15.08.2014
(33) United States of America
(47) 15.05.2019

(51) H02B 1/30
(11) EP3103172
(21) EP15705902.3
(22) 28.01.2015
(54) ELECTRICAL CABINET BAYING SYSTEM

(73) RITTAL GmbH & Co. KG
(72) REUTER, Wolfgang
BRÜCK, Daniel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014101401
(32) 05.02.2014
(33) Germany
(47) 22.05.2019

(51) H02G 3/06
F16L 21/00
F16L 39/00
H02G 15/013
(11) EP2822118
(21) EP14002146.0
(22) 23.06.2014
(54) Sealing sleeve for a pipe assembly
(73) gabo Systemtechnik GmbH
(72) Lederer, Roland
Karl, Markus
Geiger, Alexander
(74) ir. R. Wijnstra
(31) 102013011184
(32) 04.07.2013
(33) Germany
(47) 15.05.2019

(51) H02J 3/06
H02J 13/00
G06Q 50/06
G05B 15/02
H02J 3/00
H02J 3/38
(11) EP2907211
(21) EP13786187.8
(22) 14.10.2013
(54) METHOD AND SYSTEM FOR DISTRIBUTING AND/OR CONTROLLING AN ENERGY FLOW TAKING INTO ACCOUNT CONSTRAINTS RELATING TO THE ELECTRICITY NETWORK
(73) VITO NV
Katholieke Universiteit Leuven
(72) WECKX, Sam
DRIESEN, Johan
D'HULST, Reinhilde
CLAESSENS, Bert
(74) M.A.T. Beck MSc LL.B
(31) 201218342
(32) 12.10.2012
(33) United Kingdom
(47) 24.04.2019

(51) H02J 3/36
H02J 1/14
H02J 1/00
H02J 1/08
H02M 3/28
H02M 7/483
(11) EP3218980
(21) EP15700448.2
(22) 12.01.2015
(54) CONTROL OF THE POWER TRANSMISSION IN A DC GRID
(73) Siemens Aktiengesellschaft
(72) BAKRAN, Mark-Matthias
SCHÖN, Andre
KNAAK, Hans-Joachim
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 15.05.2019

(51) H02J 7/00
A24F 47/00
H02J 7/02
H02J 50/10
H02J 50/40
(11) EP3143676
(21) EP15792522.3
(22) 13.05.2015
(54) METHOD, SYSTEM AND DEVICE FOR INDUCTIVELY CHARGING BATTERIES IN ELECTRONIC CIGARETTES
(73) Fontem Holdings 4 B.V.
(72) ALARCON, Ramon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201461992697 P
(32) 13.05.2014
(33) United States of America
(47) 01.05.2019

(51) H02J 7/02
(11) EP3101752
(21) EP14880534.4
(22) 06.05.2014
(54) CHARGING CONTROL APPARATUS AND METHOD FOR ELECTRONIC DEVICE
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) ZHANG, Jialiang
WU, Kewei
ZHANG, Jun
HUANG, Dashuai
HU, Yuanxiang
(74) drs. C.M.A. Quintelier
(31) 201410042510
(32) 28.01.2014
(33) China
(47) 10.07.2019

(51) H02J 50/12
(11) EP3148049
(21) EP16185152.2
(22) 22.08.2016
(54) DETECTING RESONANT FREQUENCIES
(73) Intel Corporation
(72) SAUNAMAKI, Esa Ilmari
(74) ir. W.J.J.M. Kempes
(31) 201514865456
(32) 25.09.2015
(33) United States of America
(47) 08.05.2019

(51) H02M 1/08
B66B 1/30
H02H 3/46
H02H 3/24
B66B 5/00
H02H 3/02
H02J 3/12
H02M 7/5387
(11) EP2212987
(21) EP08851770.1
(22) 19.11.2008
(54) LIMITATION OF THE LOADING OF A POWER SOURCE
(73) Kone Corporation
(72) JOKINEN, Risto
(74) ir. J.M.G. Dohmen c.s.
(31) 20070882
(32) 20.11.2007
(33) Finland
(47) 19.06.2019

(51) H03F 1/02
H03F 1/56
H03G 3/00
H03G 3/30
(11) EP1476941
(21) EP03703932.8
(22) 21.01.2003
(54) CURRENT MODULATOR WITH DYNAMIC AMPLIFIER IMPEDANCE COMPENSATION
(73) Ericsson Inc.
(72) CAMP, William
HADJICHRISTOS, Aristotele
PEHLKE, David
(74) mr.ir. F.N. Ferro
(31) 80239
(32) 21.02.2002
(33) United States of America
(47) 19.06.2019

(51) H03K 17/96
B32B 17/10
F21V 23/04
(11) EP2766994
(21) EP12766994.3
(22) 04.10.2012
(54) PANE WITH LIT BUTTON
(73) Saint-Gobain Glass France
(72) REUL, Bernhard
SCHMALBUCH, Klaus
(74) ir. F.A. Geurts c.s.
(31) 11184476
(32) 10.10.2011
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) H03M 13/11
H03M 13/00
(11) EP1656737
(21) EP04780328.3
(22) 06.08.2004
(54) METHOD AND APPARATUS FOR VARYING LENGTHS OF LOW DENSITY PARITY CHECK CODEWORDS
(73) Intel Corporation
(72) Xia, Bo
JACOBSEN, Eric
(74) ir. W.J.J.M. Kempes
(31) 493937 P
815311
(32) 08.08.2003
31.03.2004
(33) United States of America
United States of America
(47) 08.05.2019

(51) H04B 3/54
H02J 7/00
H04L 12/10
(11) EP2866354
(21) EP13190394.0
(22) 25.10.2013
(54) Method and system for providing pulsed power and data on a bus
(73) VITO NV (Vlaamse Instelling voor Technologisch Onderzoek NV)
(72) Coenen, Peter
Weyen, Dominique
(74) J.M.H. Duyver lic.

(47) 26.06.2019

(51) H04B 5/00
H04B 17/318
H04L 29/06
H04L 29/08
H04W 4/00
H04W 8/08
H04W 28/02
H04W 28/08
H04W 28/16
H04W 36/00
H04W 36/08
H04W 36/22
H04W 72/00
H04W 74/00
H04W 76/00
H04W 80/10
H04W 88/02
H04W 88/18
(11) EP2901588
(21) EP13840695.4
(22) 17.09.2013
(54) DETERMINATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL CANDIDATES IN A WIRELESS COMMUNICATION NETWORK
(73) Intel Corporation
(72) ZHU, Yuan
CHEN, Xiaogang
HAN, Seunghee
FWU, Jong-Kae
LI, Qinghua
(74) ir. W.J.J.M. Kempes
(31) 201261707784 P
201313830277
(32) 28.09.2012
14.03.2013
(33) United States of America
United States of America
(47) 15.05.2019

(51) H04B 7/00
H04L 5/00
H04L 27/26
(11) EP2704347
(21) EP13180211.8
(22) 13.08.2013
(54) PREAMBLE FOR MIMO FRAME SYNCHRONIZATION
(73) Sony Corporation
(72) KUSUNOKI, Shigeo
(74) ir. W.J.J.M. Kempes
(31) 201261693349 P
(32) 27.08.2012
(33) United States of America
(47) 03.07.2019

(51) H04B 7/185
(11) EP2151930
(21) EP09251841.4
(22) 22.07.2009
(54) Secondary payload interface
(73) Oribtal Sciences Corporation
(72) Atkinson, Leonard A.
Howard, Jonathan
Huebner, Ronald E.
Anhalt, David
Pappageorge, Nicholas J.
Singer, Richard A.
(74) ir. P.J. Hylarides c.s.
(31) 185717
(32) 04.08.2008
(33) United States of America
(47) 01.05.2019

(51) H04B 7/216
H04J 13/00
(11) EP1417782
(21) EP02752391.9
(22) 16.07.2002
(54) USE OF ORTHOGONAL OR NEAR ORTHOGONAL CODES IN REVERSE LINK
(73) IPR Licensing, Inc.
(72) PROCTOR, James, A., Jr.
ALAPURANEN, Pertti, O.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 306062 P
(32) 17.07.2001
(33) United States of America
(47) 29.05.2019

(51) H04B 7/26
(11) EP3050224
(21) EP14783962.5
(22) 25.09.2014
(54) SIMPLIFIED FDD-TDD CARRIER AGGREGATION
(73) Qualcomm Incorporated
(72) CHEN, Wanshi
GAAL, Peter
DAMNJANOVIC, Jelena
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361883174 P
201414495619
(32) 26.09.2013
24.09.2014
(33) United States of America
United States of America
(47) 29.05.2019

(51) H04B 7/26
H04W 74/08
(11) EP3249831
(21) EP17180373.7
(22) 10.04.2012
(54) METHOD AND APPARATUS FOR EFFICIENTLY TRANSMITTING INFORMATION ACQUIRED BY A TERMINAL TO A BASE STATION
(73) Samsung Electronics Co., Ltd
(72) KIM, Sang Bum
KIM, Seong Hun
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161473966 P
201161484645 P
(32) 11.04.2011
10.05.2011
(33) United States of America
United States of America
(47) 26.06.2019

(51) H04B 11/00
(11) EP2362986
(21) EP09823780.3
(22) 22.10.2009
(54) METHOD AND APPARATUS FOR WIRELESS COMMUNICATION USING AN ACOUSTIC SIGNAL
(73) Samsung Electronics Co., Ltd.
(72) JUNG, Hee-Won
PARK, Seung-Gun
KO, Jun-Ho
LEE, Sang-Mook
LEE, Gi-Sang
ZHIDKOV, Sergey
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2008143357
20090098900
(32) 31.10.2008
16.10.2009
(33) Russian Federation
Korea (Republic)
(47) 24.04.2019

(51) H04J 11/00
H04B 7/26
H04L 5/00
H04L 5/14
(11) EP2770652
(21) EP12841966.0
(22) 22.10.2012
(54) METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN A WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) YANG, Suckchel
AHN, Joonkui
SEO, Dongyoun
(74) J.M.H. Duyver lic.
(31) 201161549243 P
201161560795 P
201261641912 P
201261696315 P
201261705133 P
(32) 20.10.2011
16.11.2011
03.05.2012
04.09.2012
24.09.2012
(33) United States of America
United States of America
United States of America
United States of America
United States of America
(47) 01.05.2019

(51) H04J 11/00
H04L 27/26
H04L 25/02
(11) EP2933968
(21) EP15167956.0
(22) 26.06.2010
(54) METHOD AND APPARATUS FOR INTEREFRENCE REDUCTION IN WIRELESS SYSTEMS
(73) Qualcomm Incorporated
(72) Gaal, Peter
Palanki, Ravi
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 220983 P
824123
(32) 26.06.2009
25.06.2010
(33) United States of America
United States of America
(47) 22.05.2019

(51) H04L 1/00
(11) EP3100391
(21) EP15712673.1

(22) 26.01.2015
(54) SYSTEMS AND METHODS UTILIZING AN EFFICIENT TBS TABLE DESIGN FOR 256QAM IN A CELLULAR COMMUNICATIONS NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) CHENG, Jung-Fu
LARSSON, Daniel
YANG,Yu
WANG, Meng
(74) ir. J.M.G. Dohmen c.s.
(31) 201461933343 P
201514597743
(32) 30.01.2014
15.01.2015
(33) United States of America
United States of America
(47) 22.05.2019

(51) H04L 1/00
H03M 13/11
H03M 13/03
(11) EP2755340
(21) EP12808016.5
(22) 16.03.2012
(54) METHOD AND DEVICE FOR TRANSMITTING DATA
(73) Beijing Nufront Mobile Multimedia Tech. Co., Ltd.
(72) BAO, Dongshan
WANG, Jiaqing
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201110189200
201110260661
201210033174
(32) 06.07.2011
05.09.2011
14.02.2012
(33) China
China
China
(47) 08.05.2019

(51) H04L 1/00
H04L 5/00
(11) EP3111574
(21) EP15752415.8
(22) 22.01.2015
(54) INTERFERENCE REDUCTION USING HYBRID SIGNALING
(73) Intel Corporation
(72) DAVYDOV, Alexei
MOROZOV, Gregory V.
CHOI, Gi Wan
(74) ir. W.J.J.M. Kempes
(31) 201461943969 P
(32) 24.02.2014
(33) United States of America
(47) 08.05.2019

(51) H04L 1/00
H04L 5/00
H04L 25/03
H04W 56/00
H04W 74/00
H04W 74/08
H04W 88/02
(11) EP2064908
(21) EP07814307.0
(22) 21.08.2007
(54) METHOD AND APPARATUSES FOR RANDOM ACCESS IN WIRELESS COMMUNICATION SYSTEM
(73) QUALCOMM Incorporated
(72) MALLADI, Durga Prasad
DAMNJANOVIC, Aleksandar
MONTOJO, Juan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 839220 P
828058 P
863610 P
841609
(32) 21.08.2006
03.10.2006
31.10.2006
20.08.2007
(33) United States of America
United States of America
United States of America
United States of America
(47) 22.05.2019

(51) H04L 1/00
H04L 5/00
H04W 52/02
H04W 72/04
H04W 88/08
H04W 4/70
(11) EP3304939
(21) EP16726966.1
(22) 26.05.2016
(54) OPTIMIZED MCS SELECTION FOR MACHINE TYPE COMMUNICATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) HÖGLUND, Andreas
KRONANDER, Jonas
TULLBERG, Hugo
(74) ir. J.M.G. Dohmen c.s.
(31) 201514722372
(32) 27.05.2015
(33) United States of America
(47) 01.05.2019

(51) H04L 1/00
H04W 24/10
H04W 28/02
(11) EP3335455
(21) EP16756682.7
(22) 22.08.2016
(54) WIRELESS TELECOMMUNICATIONS
(73) Sony Corporation
(72) BEALE, Martin Warwick
WONG, Shin Horng
WEI, Yuxin
(74) ir. W.J.J.M. Kempes
(31) 15186993
(32) 25.09.2015
(33) European Patent Office (EPO)
(47) 10.07.2019

(51) H04L 1/16
(11) EP3029873
(21) EP16151943.4
(22) 03.11.2011
(54) METHOD AND APPARATUS FOR CODING OF HARQ-ACK TRANSMISSION IN TDD SYSTEMS WITH DOWNLINK CARRIER AGGREGATION
(73) Samsung Electronics Co., Ltd.
(72) Papasakellariou, Aris
Cho, Joon Young
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 409662 P
410162 P
410642 P
411209 P
201161512614 P
(32) 03.11.2010
04.11.2010
05.11.2010
08.11.2010
28.07.2011
(33) United States of America
United States of America
United States of America
United States of America
United States of America
(47) 01.05.2019

(51) H04L 1/18
(11) EP3136639
(21) EP16190667.2
(22) 31.05.2012
(54) APPARATUS AND METHOD FOR DEFINING PHYSICAL CHANNEL TRANSMIT/RECEIVE TIMINGS AND RESOURCE ALLOCATION IN TDD COMMUNICATION SYSTEM SUPPORTING CARRIER AGGREGATION
(73) Samsung Electronics Co., Ltd.
(72) Kim, Youngbum
Choi, Seunghoon
Cho, Joonyoung
Ji, Hyoungju
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20110051990
20110069119
20110138471
(32) 31.05.2011
12.07.2011
20.12.2011
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
(47) 03.07.2019

(51) H04L 1/18
H04L 12/877
H04W 28/06
H04W 72/12
H04L 12/873
H04L 12/851
H04L 12/863
(11) EP2153569
(21) EP08738050.7
(22) 30.04.2008
(54) UPLINK TRANSPORT FORMAT SELECTION
(73) Nokia Technologies Oy
(72) WHITEHEAD, Michael
PROVVEDI, Simone
(74) ir. W.J.J.M. Kempes
(31) 915236 P
(32) 01.05.2007
(33) United States of America
(47) 22.05.2019

(51) H04L 5/00
(11) EP3375121
(21) EP16791121.3
(22) 19.10.2016

(54) FLEXIBLE CONFIGURATION OF MULTI-CARRIER WIRELESS TRANSMISSION SYSTEMS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SKÖLD, Johan
BALDEMAIR, Robert
BJÖRKEGREN, Håkan
(74) ir. J.M.G. Dohmen c.s.
(31) 201562253901 P
(32) 11.11.2015
(33) United States of America
(47) 19.06.2019

(51) H04L 5/00
H04B 7/024
H04B 7/06
(11) EP2789199
(21) EP12855523.2
(22) 07.12.2012
(54) CHANNEL MEASUREMENTS SUPPORTING COORDINATED MULTI-POINT OPERATION
(73) Nokia Technologies Oy
(72) RIBEIRO, Cassio Barboza
JÄNIS, Pekka Markus Nikolai
HUGL, Klaus
(74) ir. W.J.J.M. Kempes
(31) 201113315529
(32) 09.12.2011
(33) United States of America
(47) 12.06.2019

(51) H04L 5/00
H04L 1/16
H04L 1/18
H04B 7/26
(11) EP2992624
(21) EP14726869.2
(22) 30.04.2014
(54) ACKNOWLEDGEMENT MECHANISM IN FREQUENCY MULTIPLEXED COMMUNICATION IN DENSE WIRELESS ENVIRONMENTS
(73) Qualcomm Incorporated
(72) MERLIN, Simone
BARRIAC, Gwendolyn Denise
SAMPATH, Hemanth
VERMANI, Sameer
TIAN, Bin
ZHOU, Yan
TANDRA, Rahul
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361819096 P
201361846579 P
201414265255
(32) 03.05.2013
15.07.2013
29.04.2014
(33) United States of America
United States of America
United States of America
(47) 22.05.2019

(51) H04L 9/00
H04L 12/407
H04L 29/06
(11) EP3100404
(21) EP15740381.7
(22) 20.01.2015
(54) APPARATUS AND METHOD FOR SECURING A DISTRIBUTED CONTROL SYSTEM (DCS)
(73) Honeywell International Inc.
(72) HARIDAS, Harshal S.
CHERNOGUZOV, Alexander
(74) ir. W.J.J.M. Kempes
(31) 201461932152 P
201414308946
(32) 27.01.2014
19.06.2014
(33) United States of America
United States of America
(47) 19.06.2019

(51) H04L 9/08
G06F 21/74
G06F 21/78
(11) EP3120291
(21) EP15716217.3
(22) 18.03.2015
(54) RAPID DATA PROTECTION FOR STORAGE DEVICES
(73) Microsoft Technology Licensing, LLC
(72) BASMOV, Innokentiy
NYSTRÖM, Magnus Bo Gustaf
FERGUSON, Niels T.
SEMENKO, Alex M.
(74) ir. P.J. Hylarides c.s.
(31) 201414221105
(32) 20.03.2014
(33) United States of America
(47) 24.04.2019

(51) H04L 9/08
H04L 9/32
(11) EP3272061
(21) EP16716969.7
(22) 18.03.2016
(54) DIGITAL IDENTITY AND AUTHORIZATION FOR MACHINES WITH REPLACEABLE PARTS
(73) Microsoft Technology Licensing, LLC
(72) VASTERS, Clemens Friedrich
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514663699
(32) 20.03.2015
(33) United States of America
(47) 24.04.2019

(51) H04L 9/32
(11) EP1980049
(21) EP06852008.9
(22) 13.12.2006
(54) WIRELESS AUTHENTICATION
(73) Microsoft Technology Licensing, LLC
(72) SANCHEZ, Russell I.
THOMPSON, R. Donald
LEHMAN, David M.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 300570
(32) 13.12.2005
(33) United States of America
(47) 29.05.2019

(51) H04L 9/32
(11) EP3231129
(21) EP15866759.2
(22) 11.11.2015
(54) TECHNOLOGIES FOR VERIFYING AUTHORIZED OPERATION OF SERVERS
(73) Intel Corporation
(72) POORNACHANDRAN, Rajesh
ZIMMER, Vincent J.
SHAHIDZADEH, Shahrok
KUMAR, Mohan J.
GHETIE, Sergiu D.
(74) ir. W.J.J.M. Kempes
(31) 201414568747
(32) 12.12.2014
(33) United States of America
(47) 08.05.2019

(51) H04L 9/32
G06F 21/32
H04L 29/06
(11) EP3188406
(21) EP14903373.0
(22) 30.09.2014
(54) METHOD AND APPARATUS FOR IDENTITY AUTHENTICATION AND USER EQUIPMENT
(73) Huawei Technologies Co., Ltd.
(72) WANG, Chan
WU, Huangwei
HUANG, Xi
CHEN, Wenjuan
ZHU, Yu
(74) ir. W.J.J.M. Kempes
(47) 29.05.2019

(51) H04L 12/22
G06F 21/62
H04L 29/06
(11) EP2191610
(21) EP08799288.9
(22) 08.09.2008
(54) SOFTWARE BASED MULTI-CHANNEL POLYMORPHIC DATA OBFUSCATION
(73) Dis-Ent, LLC
(72) JOHNSTON II, Richard, Fendall
STRAUSS, William, J.
PIERCE, Dean
(74) dr. T. Wittop Koning PhD
(31) 970722 P
(32) 07.09.2007
(33) United States of America
(47) 15.05.2019

(51) H04L 12/24
H04L 29/06
H04W 48/14
H04W 88/08
(11) EP3202186
(21) EP15847247.2
(22) 25.09.2015
(54) DISCOVERY OF CLOUD-BASED ACCESS POINT CONTROLLERS
(73) ARRIS Enterprises LLC
(72) STEPHENSON, David Sheldon
KISH, William S.
(74) ir. H.J.G. Lips c.s.
(31) 201414503133
(32) 30.09.2014
(33) United States of America
(47) 03.07.2019

(51) H04L 12/24
H04L 29/08
(11) EP2915283
(21) EP13795050.7
(22) 01.11.2013

(54) CDN LOAD BALANCING IN THE CLOUD
(73) Microsoft Technology Licensing, LLC
(72) BATROUNI, Marwan
ZIONS, Jason Drew
HORNOIU, Octavian
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201213666691
(32) 01.11.2012
(33) United States of America
(47) 05.06.2019

(51) H04L 12/24
H04W 4/00
H04L 12/927
H04L 12/851
(11) EP2668584
(21) EP12739482.3
(22) 24.01.2012
(54) FLOW TAGGING FOR SERVICE POLICY IMPLEMENTATION
(73) Headwater Research LLC
(72) GREEN, Jeffrey
LAVINE, James
NGUYEN, Vien-Phuong, D.
RALEIGH, Gregory, G.
(74) ir. P.J. Hylarides c.s.
(31) 201161435564 P
201113134028
(32) 24.01.2011
25.05.2011
(33) United States of America
United States of America
(47) 01.05.2019

(51) H04L 12/26
(11) EP3101844
(21) EP16172450.5
(22) 01.06.2016
(54) PACKET LOSS DETECTION METHOD, APPARATUS, AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) Fan, Duoliang
Li, Binxuan
Pan, Haotao
Liu, Heyang
Yan, Jinfeng
(74) ir. W.J.J.M. Kempes
(31) 201510299294
(32) 03.06.2015
(33) China
(47) 08.05.2019

(51) H04L 12/26
(11) EP3313024
(21) EP17207668.9
(22) 25.04.2013
(54) TESTING OF A NETWORK MANAGEMENT SYSTEM
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) GROSSO, Renato
(74) ir. J.M.G. Dohmen c.s.
(47) 12.06.2019

(51) H04L 12/28
H05B 37/02
(11) EP3326435
(21) EP15898677.8
(22) 23.07.2015
(54) PROGRAMMABLE SWITCHING SYSTEM
(73) Min, Hao
(72) Min, Hao
(74) J.M.H. Duyver lic.
(47) 26.06.2019

(51) H04L 12/58
(11) EP2446411
(21) EP10792546.3
(22) 18.06.2010
(54) REAL-TIME SPAM LOOK-UP SYSTEM
(73) Microsoft Technology Licensing, LLC
(72) WALTER, Jason, D.
GILLUM, Eliot, C.
VITALDEVARA, Krishna, C.
COLVIN, Ryan, Charles
BIDGOLI, Mehrdad
MILLS, Chad, W.
KORB, Joshua, David
MCCANN, Robert, Lee
HINES, Douglas, John
DAVIS, Malcolm, Hollis
DRINIC, Milenko
(74) ir. P.J. Hylarides c.s.
(31) 493046
(32) 26.06.2009
(33) United States of America
(47) 29.05.2019

(51) H04L 12/58
H04M 1/725
G06Q 10/10
H04W 4/12
H04W 4/14
H04W 4/21
(11) EP2842274
(21) EP12722963.1
(22) 27.04.2012
(54) SYSTEMS AND METHODS FOR PRIORITIZING MESSAGES ON A MOBILE DEVICE
(73) Sony Mobile Communications AB
(72) RAMANUJAM, Srivatsan
O'RORKE, Paul Vincent
(74) J.M.H. Duyver lic.
(47) 26.06.2019

(51) H04L 12/715
H04L 12/717
H04L 12/803
(11) EP2922249
(21) EP15160035.0
(22) 20.03.2015
(54) CONTROL PLANE OPTIMIZATION OF COMMUNICATION NETWORKS
(73) Tata Consultancy Services Limited
(72) Rath, Hemant Kumar
Revoori, Vishvesh
Nadaf, Shameemraj Mohinuddin
Simha, Anantha
(74) ir. M.F.J.M. Ketelaars c.s.
(31) MU09212014
(32) 20.03.2014
(33) India
(47) 29.05.2019

(51) H04L 25/02
H04L 27/26
H04B 7/06
H04B 7/08
(11) EP2262127
(21) EP10178417.1
(22) 25.08.2004
(54) Multi-element antenna beamforming in a wireless access network
(73) Intel Corporation
(72) Lakshimipathi, Sondur
(74) ir. W.J.J.M. Kempes
(31) 654037
(32) 03.09.2003
(33) United States of America
(47) 08.05.2019

(51) H04L 29/06
(11) EP1773019
(21) EP06018617.8
(22) 06.09.2006
(54) Leveraging presence service system and method for distributed web service delivery and deployment
(73) Alcatel Lucent
(72) Mohammed, Aziz
Sundaram, Vinaitheerthan
(74) ir. W.J.J.M. Kempes
(31) 245685
(32) 07.10.2005
(33) United States of America
(47) 15.05.2019

(51) H04L 29/06
(11) EP2664119
(21) EP11822911.1
(22) 07.12.2011
(54) METHOD AND SYSTEM FOR TRUST MANAGEMENT IN DISTRIBUTED COMPUTING SYSTEMS
(73) Tata Consultancy Services Limited
(72) UKIL, Arijit
(74) ir. W.J.J.M. Kempes
(31) 120MU2011
(32) 13.01.2011
(33) India
(47) 15.05.2019

(51) H04L 29/06
(11) EP3146693
(21) EP15728261.7
(22) 18.05.2015
(54) BIFURCATED AUTHENTICATION TOKEN TECHNIQUES
(73) Microsoft Technology Licensing, LLC
(72) NOVAK, Mark F.
(74) ir. P.J. Hylarides c.s.
(31) 201414284221
(32) 21.05.2014
(33) United States of America
(47) 24.04.2019

(51) H04L 29/06
G06F 21/45
(11) EP3241335
(21) EP15885779.7
(22) 29.12.2015
(54) METHOD AND APPARATUS FOR SECURING A MOBILE APPLICATION
(73) OneSpan International GmbH
(72) CLAES, Mathias
COULIER, Frank
(74) M.A.T. Beck MSc LL.B
(31) 201462097376 P
(32) 29.12.2014
(33) United States of America
(47) 01.05.2019

(51) H04L 29/06

H04H 20/18
H04L 9/06
H04L 12/18
(11) EP2243276
(21) EP08724274.9
(22) 25.03.2008
(54) CONTROLLING MEDIA DISTRIBUTION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) OHLMAN, Börje
SELANDER, Göran
(74) J.M.H. Duyver lic.
(31) 0802186
(32) 07.02.2008
(33) United Kingdom
(47) 10.07.2019

(51) H04L 29/06
H04L 12/24
G05B 19/042
G05B 19/418
(11) EP3111617
(21) EP15751702.0
(22) 11.02.2015
(54) APPARATUS AND METHOD FOR ESTABLISHING SEAMLESS SECURE COMMUNICATIONS BETWEEN COMPONENTS IN AN INDUSTRIAL CONTROL AND AUTOMATION SYSTEM
(73) Honeywell International Inc.
(72) REYNOLDS, Brian
DHANAGOPALAN, Senthilkumar
GANGULY, Ritwik
(74) ir. W.J.J.M. Kempes
(31) 201461943806 P
201414460256
(32) 24.02.2014
14.08.2014
(33) United States of America
United States of America
(47) 12.06.2019

(51) H04L 29/06
H04L 29/08
H04W 4/12
H04W 28/06
H04W 28/08
(11) EP2928155
(21) EP15166406.7
(22) 21.03.2007
(54) METHODS FOR PROCESSING A CONTROL MESSAGE IN AN IP MULTIMEDIA SUBSYSTEM IMS, REPRESENTATIVE APPLICATION SERVER, S-CSCF, APPLICATION SERVER, AND USER EQUIPMENT
(73) Samsung Electronics Co., Ltd
(72) Yeoum, Tae-Sun
Lim, Han-Na
Song, O-Sok
Jung, Joon-Ho
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20060025869
20060079598
(32) 21.03.2006
22.08.2006
(33) Korea (Republic)
Korea (Republic)
(47) 01.05.2019

(51) H04L 29/06
H04W 8/00
H04W 80/06
H04W 4/70
H04W 80/12
H04W 92/10
(11) EP3384659
(21) EP15813944.4
(22) 03.12.2015
(54) METHOD AND DEVICES FOR MANAGING CONSTRAINED DEVICES
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) HÖLLER, Jan
SINGHAL, Sumit
(74) ir. J.M.G. Dohmen c.s.
(47) 01.05.2019

(51) H04L 29/08
(11) EP3248361
(21) EP15702975.2
(22) 19.01.2015
(54) TIMERS IN STATELESS ARCHITECTURE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) HALLENSTÅL, Magnus
(74) J.M.H. Duyver lic.
(47) 03.07.2019

(51) H04L 29/08
G06F 9/48
G06F 9/50
H04W 52/02
(11) EP2619961
(21) EP11757418.6
(22) 05.08.2011
(54) CLOUD PHONE WITH DISTRIBUTED PROCESSING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) NANDLALL, Vishwamitra
AKHTAR, Haseeb
(74) ir. J.M.G. Dohmen c.s.
(31) 960842
389953 P
384757 P
(32) 06.12.2010
05.10.2010
21.09.2010
(33) United States of America
United States of America
United States of America
(47) 26.06.2019

(51) H04L 29/08
H04L 29/06
H04W 8/02
(11) EP3298753
(21) EP16718071.0
(22) 04.04.2016
(54) RENEWING REGISTRATIONS FOR CLIENT APPLICATIONS INSTALLED ON DIFFERENT PROXIMATE CLIENT DEVICES
(73) Qualcomm Incorporated
(72) SHUMAN, Mohammed Ataur Rahman
GOEL, Amit
SHARMA, Sandeep
SURYAVANSHI, Vijay Anandrao
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514717596
(32) 20.05.2015
(33) United States of America
(47) 15.05.2019

(51) H04M 1/23
H04M 1/725
G06F 1/16
H04M 1/02
(11) EP3297263
(21) EP17200846.8
(22) 10.01.2013
(54) MOBILE TERMINAL
(73) LG Electronics Inc.
(72) KIM, Jaichul
CHA, Ilgu
(74) ir. A.R. Aalbers
(31) 20120071872
(32) 02.07.2012
(33) Korea (Republic)
(47) 15.05.2019

(51) H04M 1/725
G06F 1/16
(11) EP2712159
(21) EP13197019.6
(22) 03.12.2009
(54) Wireless communication device responsive to orientation and movement
(73) Google Technology Holdings LLC
(72) Alameh, Rachid M.
Ady, Roger W.
Hede, William S.
(74) dr. A. Krebs
(31) 341633
(32) 22.12.2008
(33) United States of America
(47) 03.07.2019

(51) H04M 1/725
H04M 1/60
H04W 84/18
(11) EP2080325
(21) EP07735834.9
(22) 09.05.2007
(54) PAIRING SYSTEM AND METHOD FOR MOBILE DEVICES
(73) Sony Ericsson Mobile Communications AB
(72) DE LEON, David
RAMSTEN, Fredrik
(74) J.M.H. Duyver lic.
(31) 558267
(32) 09.11.2006
(33) United States of America
(47) 26.06.2019

(51) H04M 1/725
H04M 3/533
H04W 4/18
H04M 3/42
G10L 13/00
G10L 15/26
H04W 8/22
(11) EP2663064
(21) EP13167001.0
(22) 08.05.2013
(54) Method and system for operating communication service
(73) Samsung Electronics Co., Ltd
(72) Kang, Sangki
Ko, Jungwan
Kong, Kichoon
Kim, Kyungtae
Lee, Sanghoon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120048494
(32) 08.05.2012

(33) Korea (Republic)
(47) 03.07.2019

(51) H04M 11/06
H04M 7/00
H04L 29/06
H04L 12/66
(11) EP2663067
(21) EP13164341.3
(22) 18.04.2013
(54) Home gateway with standby state support
(73) InterDigital CE Patent Holdings
(72) Monsieux, Daniel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 12305515
(32) 09.05.2012
(33) European Patent Office (EPO)
(47) 05.06.2019

(51) H04N 5/21
G06T 5/00
H04N 1/409
H04N 19/00
(11) EP2911382
(21) EP13848489.4
(22) 03.07.2013
(54) IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD
(73) EIZO Corporation
(72) HIGASHI, Masafumi
(74) ir. W.J.J.M. Kempes
(31) 2012232995
2012277302
(32) 22.10.2012
19.12.2012
(33) Japan
Japan
(47) 08.05.2019

(51) H04N 5/225
(11) EP3076653
(21) EP14866148.1
(22) 09.10.2014
(54) DISPLAY DEVICE AND SHOOTING DISPLAY METHOD THEREFOR
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd
(72) ZHANG, Weizheng
(74) J.M.H. Duyver lic.
(31) 201310608258
(32) 26.11.2013
(33) China
(47) 26.06.2019

(51) H04N 5/262
(11) EP2870749
(21) EP13736526.8
(22) 01.07.2013
(54) SYSTEM AND METHOD FOR PROCESSING VIDEO AND/OR AUDIO SIGNALS
(73) EVS Deutschland GmbH
(72) KRUG, Alfred
(74) ir. W.J.J.M. Kempes
(31) 12175474
(32) 07.07.2012
(33) European Patent Office (EPO)
(47) 15.05.2019

(51) H04N 9/76
G06F 3/01
G06T 19/00
(11) EP2512141
(21) EP11162597.6
(22) 15.04.2011
(54) System and method of user interaction in augmented reality
(73) Sony Interactive Entertainment Europe Limited
(72) Raghoebardajal, Sharwin Winesh
Lintott, Mark
(74) ir. W.J.J.M. Kempes
(47) 17.07.2019

(51) H04N 17/00
(11) EP2227032
(21) EP07850435.4
(22) 11.12.2007
(54) BRIGHTNESS INFORMATION DISPLAY AND METHOD
(73) Leader Electronics Corp.
(72) YANO, Koji
IMAMURA, Genichi
(74) ir. J.M.G. Dohmen c.s.
(47) 19.06.2019

(51) H04N 19/105
H04N 19/176
H04N 19/119
H04N 19/46
H04N 19/115
H04N 19/61
H04N 19/107
H04N 19/146
H04N 19/48
H04N 19/59
(11) EP2522141
(21) EP11704449.5
(22) 18.02.2011
(54) DATA COMPRESSION FOR VIDEO
(73) Skype
(72) BIVOLARSKY, Lazar
VAFIN, Renat
NILSSON, Mattias
ANDERSEN, Soren Vang
(74) ir. C.M. Jansen c.s.
(31) 838131
306410 P
(32) 16.07.2010
19.02.2010
(33) United States of America
United States of America
(47) 24.04.2019

(51) H04N 19/117
H04N 19/176
H04N 19/14
H04N 19/82
H04N 19/86
(11) EP3288266
(21) EP17196413.3
(22) 11.01.2013
(54) FLEXIBLE BAND OFFSET MODE IN SAMPLE ADAPTIVE OFFSET IN HEVC
(73) Sony Corporation
(72) MAANI, Ehsan
TABATABAI, Ali
XU, Jun
(74) ir. W.J.J.M. Kempes
(31) 201261589127 P
201213674653
(32) 20.01.2012
12.11.2012
(33) United States of America
United States of America
(47) 26.06.2019

(51) H04N 19/563
H04N 19/55
H04N 19/523
(11) EP1779662
(21) EP05780538.4
(22) 13.08.2005
(54) METHOD AND DEVICE FOR MOTION ESTIMATION AND COMPENSATION FOR PANORAMA IMAGE
(73) Samsung Electronics Co., Ltd.
Industry Academic Cooperation Foundation Kyunghee University
(72) PARK, Gwang-Hoon, B-302 Donga Villa
SON, Sung-Ho
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2004063889
2005072968
(32) 13.08.2004
09.08.2005
(33) Korea (Republic)
Korea (Republic)
(47) 22.05.2019

(51) H04N 19/70
H04N 19/13
H04N 19/18
H04N 19/176
(11) EP2838260
(21) EP13775455.2
(22) 12.04.2013
(54) IMAGE DECODING DEVICE, IMAGE DECODING METHOD, IMAGE DECODING PROGRAM
(73) JVC KENWOOD Corporation
(72) KUMAKURA, Toru
FUKUSHIMA, Shigeru
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2012092077
2012092078
(32) 13.04.2012
13.04.2012
(33) Japan
Japan
(47) 22.05.2019

(51) H04N 19/89
G06F 11/07
G06F 13/10
G08B 13/196
G09G 5/00
H04N 19/42
(11) EP3210381
(21) EP15852616.0
(22) 21.10.2015
(54) A SYSTEM TO DISPATCH VIDEO DECODING TO DEDICATED HARDWARE RESOURCES
(73) Genetec Inc.
(72) SLUPIK, André
BÉRARD, Xavier
(74) ir. J.M.G. Dohmen c.s.
(31) 201414520662
201514806025
(32) 22.10.2014
22.07.2015
(33) United States of America
United States of America

(47) 01.05.2019

(51) H04N 21/236
H04L 29/06
H04N 21/6405
H04N 21/643
H04N 21/2362
H04N 21/2381
H04L 12/18
(11) EP2667622
(21) EP12736581.5
(22) 19.01.2012
(54) APPARATUS AND METHOD FOR CONFIGURING A CONTROL MESSAGE IN A BROADCAST SYSTEM
(73) Samsung Electronics Co., Ltd
(72) HWANG, Sung-Oh
PARK, Kyung-Mo
RHYU, Sung-Ryeul
SONG, Jae-Yeon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20110005625
20110104892
(32) 19.01.2011
13.10.2011
(33) Korea (Republic)
Korea (Republic)
(47) 01.05.2019

(51) H04N 21/258
H04N 21/25
H04N 21/45
H04L 29/08
H04N 21/442
H04W 4/20
G06F 17/30
H04H 60/31
H04W 4/21
(11) EP3087748
(21) EP14875492.2
(22) 01.05.2014
(54) METHODS AND APPARATUS TO MEASURE MEDIA USING MEDIA OBJECT CHARACTERISTICS
(73) The Nielsen Company (US), LLC
(72) SETH, Amitabh
(74) ir. P.J. Hylarides c.s.
(31) 201361920048 P
(32) 23.12.2013
(33) United States of America
(47) 24.04.2019

(51) H04N 21/418
H04N 7/167
H04L 9/08
(11) EP2394434
(21) EP10756668.9
(22) 22.03.2010
(54) METHOD TO UPGRADE CONTENT ENCRYPTION
(73) Sony Corporation
Sony Electronics Inc.
(72) CANDELORE, Brant, L.
(74) ir. W.J.J.M. Kempes
(31) 163254 P
454912
(32) 25.03.2009
26.05.2009
(33) United States of America
United States of America
(47) 17.07.2019

(51) H04N 21/81
H04N 21/439
H04N 21/442
H04N 21/4363
H04N 21/435
H04N 21/485
G10L 19/16
(11) EP3149955
(21) EP15713461.0
(22) 27.03.2015
(54) DATA PROCESSOR AND TRANSPORT OF USER CONTROL DATA TO AUDIO DECODERS AND RENDERERS
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) SCHREINER, Stephan
FÜG, Simone
FUCHS, Harald
PLOGSTIES, Jan
DÖHLA, Stefan
(74) ir. F.A. Geurts c.s.
(31) 14170416
(32) 28.05.2014
(33) European Patent Office (EPO)
(47) 01.05.2019

(51) H04R 3/00
G06F 3/16
G10L 21/10
G10L 25/51
G01S 3/808
H04R 1/32
H04R 25/00
H04R 29/00
G10L 15/26
G10L 21/028
H04R 1/40
G10L 25/21
(11) EP2991372
(21) EP15183187.2
(22) 31.08.2015
(54) METHOD AND APPARATUS FOR MANAGING AUDIO SIGNALS
(73) Samsung Electronics Co., Ltd.
(72) Son, Beakkwon
Kim, Gangyoul
Lee, Namil
Hwang, Hochul
Kum, Jongmo
Bae, Minho
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20140115394
(32) 01.09.2014
(33) Korea (Republic)
(47) 26.06.2019

(51) H04R 17/00
(11) EP3058759
(21) EP14796607.1
(22) 17.10.2014
(54) FLEXIBLE TRANSDUCER FOR SOFT-TISSUE AND ACOUSTIC AUDIO PRODUCTION
(73) Google LLC
(72) DALEY, Michael
(74) ir. C.M. Jansen c.s.
(31) 201361892123 P
(32) 17.10.2013
(33) United States of America
(47) 01.05.2019

(51) H04W 4/02
H04W 24/02
H04B 17/318
G01S 19/12
G01C 21/00
H04W 72/04
H04W 28/02
H04L 12/64
H04W 16/18
H04W 88/06
(11) EP2997670
(21) EP13884528.4
(22) 13.12.2013
(54) MULTIPLE RADIO LINK CONTROL (RLC) GROUPS
(73) Intel IP Corporation
(72) KAZMI, Zaigham
PINHEIRO, Ana Lucia
(74) ir. W.J.J.M. Kempes
(31) 201361824338 P
(32) 16.05.2013
(33) United States of America
(47) 15.05.2019

(51) H04W 4/12
H04W 16/10
(11) EP3232703
(21) EP14909471.6
(22) 31.12.2014
(54) METHOD AND DEVICE FOR TRANSMITTING REFERENCE SIGNAL IN CELL USING UNLICENSED FREQUENCY BAND
(73) Huawei Technologies Co., Ltd.
(72) GUAN, Lei
MAZZARESE, David
CLASSON, Brian
(74) ir. W.J.J.M. Kempes
(47) 29.05.2019

(51) H04W 4/16
H04W 4/18
H04L 29/06
H04W 8/24
H04W 88/02
H04L 29/08
(11) EP3010262
(21) EP14844141.3
(22) 15.09.2014
(54) METHOD FOR REALIZING CELLPHONE WITHOUT CARD AND CELLPHONE
(73) Huawei Device Co., Ltd.
(72) DAI, Renjun
(74) ir. W.J.J.M. Kempes
(31) 201310419701
(32) 13.09.2013
(33) China
(47) 15.05.2019

(51) H04W 4/18
H04L 29/08
H04W 4/70
H04W 88/18
(11) EP2945340
(21) EP13875708.3
(22) 20.02.2013
(54) OPERATION TRIGGER METHOD AND DEVICE FOR MACHINE-TO-MACHINE COMMUNICATIONS
(73) Huawei Technologies Co., Ltd.
(72) YIN, Jiaxin

(74) ir. W.J.J.M. Kempes
(47) 15.05.2019

(51) H04W 4/20
H04W 4/12
H04W 88/02
G06F 3/048
H04M 1/725
G06F 3/0484
(11) EP3149981
(21) EP15799368.4
(22) 28.05.2015
(54) ELECTRONIC DEVICE AND METHOD OF EXECUTING APPLICATION
(73) Samsung Electronics Co., Ltd.
(72) CHU, Seyoup
KIM, Soonok
AHN, Jinhee
LEE, Bonghee
CHOI, Kyunglim
HONG, Euiyong
AN, Jinwan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20140066596
(32) 31.05.2014
(33) Korea (Republic)
(47) 03.07.2019

(51) H04W 4/40
H04W 52/02
H04W 4/029
G08G 1/00
(11) EP3331259
(21) EP17204578.3
(22) 30.11.2017
(54) BIG TELEMATICS DATA NETWORK COMMUNICATION FAULT IDENTIFICATION SYSTEM
(73) GEOTAB Inc.
(72) Cawse, Neil Charles
Dodgson, Daniel Michael
Zhao, Yi
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201615530113
(32) 05.12.2016
(33) United States of America
(47) 24.04.2019

(51) H04W 4/70
H04W 48/12
H04W 52/02
H04W 52/38
(11) EP2868009
(21) EP13813471.3
(22) 19.06.2013
(54) APPARATUS AND METHOD TO EFFICIENTLY SEND DEVICE TRIGGER MESSAGES
(73) Intel Corporation
(72) JAIN, Puneet
RAO, Varun
SHAN, Chang Hong
VENKATACHALAM, Muthaiah
(74) ir. W.J.J.M. Kempes
(31) 201261667325 P
201313755166
(32) 02.07.2012
31.01.2013
(33) United States of America
United States of America
(47) 15.05.2019

(51) H04W 8/00
H04W 4/00
(11) EP3127358
(21) EP14887799.6
(22) 01.04.2014
(54) UNIFIED HEADER DESIGN FOR DISCOVERY MESSAGES
(73) Sony Corporation
(72) WEI, Na
BERGGREN, Anders
(74) ir. W.J.J.M. Kempes
(47) 22.05.2019

(51) H04W 8/08
H04W 48/10
H04W 48/00
H04W 4/06
H04W 48/08
H04W 48/16
H04W 68/00
(11) EP2981112
(21) EP15178660.5
(22) 10.01.2011
(54) METHOD AND APPARATUS FOR BROADCASTING SUPPORT OF SELECTED INTERNET PROTOCOL TRAFFIC OFFLOAD
(73) Interdigital Patent Holdings, Inc.
(72) WATFA, Mahmoud
OLVERA-HERNANDEZ, Ulises
AGHILI, Behrouz
ADJAKPLE, Pascal, M.
TOOHER, J. Patrick
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 293423 P
304199 P
(32) 08.01.2010
12.02.2010
(33) United States of America
United States of America
(47) 08.05.2019

(51) H04W 8/12
H04W 64/00
H04W 4/12
H04W 88/06
(11) EP2564606
(21) EP11716722.1
(22) 13.04.2011
(54) METHOD AND SYSTEM OF HANDLING REQUESTS FOR LOCATION INFORMATION OF MOBILE DEVICES
(73) Alcatel Lucent
(72) EDWARDS, Mike, J.
CHIN, Frances, M.
GAFRICK, John, M.
(74) ir. W.J.J.M. Kempes
(31) 662703
(32) 29.04.2010
(33) United States of America
(47) 22.05.2019

(51) H04W 8/22
H04W 36/12
H04W 36/14
H04W 36/24
H04W 36/36
H04W 48/18
H04W 88/06
(11) EP2497328
(21) EP10828554.5
(22) 05.11.2010
(54) SELECTIVE ENABLING OF USER EQUIPMENT CAPABILITY
(73) Samsung Electronics Co., Ltd.
(72) ZISIMOPOULOS, Haris
KAURA, Ricky
CHO, Song Yean
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0919494
(32) 06.11.2009
(33) United Kingdom
(47) 26.06.2019

(51) H04W 12/02
H04W 36/00
(11) EP2183937
(21) EP08796341.9
(22) 18.07.2008
(54) METHODS, APPARATUSES AND COMPUTER PROGRAM PRODUCT FOR INTER-SYSTEM HANDOFF
(73) QUALCOMM Incorporated
(72) ULUPINAR, Fatih
TINNAKORNSRISUPHAP, Peerapol
AGASHE, Parag Arun
PATWARDHAN, Ravindra
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 950583 P
143044
(32) 18.07.2007
20.06.2008
(33) United States of America
United States of America
(47) 22.05.2019

(51) H04W 12/06
H04W 12/08
G06Q 20/32
G06Q 20/36
G06Q 20/40
G06Q 20/34
(11) EP3442249
(21) EP17185122.3
(22) 07.08.2017
(54) METHOD OF PREVENTING UNAUTHORISED USE OF ELECTRONIC ACCESS RIGHTS WHICH CAN BE MANAGED IN MOBILE ELECTRONIC DEVICES BY MEANS OF A WALLET APPLICATION, WHICH CAN BE TRANSFERRED TO THE MOBILE ELECTRONIC DEVICES FROM A SERVER BY MEANS OF A LINK FOR DOWNLOADING THE ACCESS RIGHTS
(73) SKIDATA AG
(72) Malmborg, Anders
Jayaprakash, Vaijayanthi Mala
(74) dr. G. Visser-Luirink
(47) 22.05.2019

(51) H04W 12/06
H04W 12/08
H04W 48/08
H04B 7/14
H04L 29/06
G07C 9/00
G08C 17/02
H04L 29/08
(11) EP2901761
(21) EP13842884.2
(22) 16.09.2013

(54) PROVIDING LIMITED ACCESS TO A SERVICE DEVICE VIA AN INTERMEDIARY
(73) Intel Corporation
(72) KOHLENBERG, Tobias
BIRKEL, Steven
WOUHAYBI, Rita
MO, Stanley
(74) ir. W.J.J.M. Kempes
(31) 201213631293
(32) 28.09.2012
(33) United States of America
(47) 08.05.2019

(51) H04W 12/06
H04W 16/14
H04W 88/02
(11) EP2993932
(21) EP15184273.9
(22) 08.09.2015
(54) METHOD AND APPARATUS FOR AUTHENTICATING A NETWORK ENTITY USING UNLICENSED WIRELESS SPECTRUM
(73) BlackBerry Limited
(72) VUTUKURI, Eswar
ANDERSON, Nicholas William
BARRETT, Stephen John
(74) ir. F.E. Hoeben
(31) 201414480058
(32) 08.09.2014
(33) United States of America
(47) 24.04.2019

(51) H04W 16/18
H04L 12/26
(11) EP2553964
(21) EP10848661.4
(22) 01.04.2010
(54) VALIDITY TIME CONFIGURATION FOR IMMEDIATE MDT REPORTING
(73) Nokia Solutions and Networks Oy
(72) ZHOU, Weihua
ZHANG, Yi
TOMALA, Malgorzata
(74) ir. W.J.J.M. Kempes
(47) 22.05.2019

(51) H04W 24/02
H04W 48/12
(11) EP3229517
(21) EP17170538.7
(22) 07.08.2014
(54) COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE
(73) Intel IP Corporation
(72) Xiong, Gang
FWU, Jong-Kae
Han, Seunghee
(74) ir. W.J.J.M. Kempes
(31) 201361863902 P
201361879014 P
201361898425 P
201414311938
(32) 08.08.2013
17.09.2013
31.10.2013
23.06.2014
(33) United States of America
United States of America
United States of America
United States of America
(47) 08.05.2019

(51) H04W 24/10
H04W 24/08
(11) EP3148245
(21) EP14895067.8
(22) 17.06.2014
(54) RADIO LINK MONITORING METHOD AND UE
(73) Huawei Technologies Co. Ltd.
(72) LI, Hong
WU, Tong
LI, Anjian
HAN, Jing
CUI, Jie
(74) ir. W.J.J.M. Kempes
(47) 29.05.2019

(51) H04W 36/02
H04L 29/08
(11) EP2387273
(21) EP11154460.7
(22) 15.02.2011
(54) Method of communication for a terminal and a hub in a content centric network
(73) Samsung Electronics Co., Ltd.
(72) Lee, Ji Hoon
Jang, Myeong Wuk
Byun, Do Jun
Kim, Jae Hoon
Park, Joong Hong
Choi, Sung Chan
(74) ir. P.J. Hylarides c.s.
(31) 20100045032
(32) 13.05.2010
(33) Korea (Republic)
(47) 03.07.2019

(51) H04W 36/30
H04W 76/14
H04W 88/04
H04W 76/23
H04W 8/00
H04W 36/00
(11) EP3245814
(21) EP16703499.0
(22) 03.02.2016
(54) COMMUNICATIONS DEVICE, INFRASTRUCTURE EQUIPMENT, MOBILE COMMUNICATIONS NETWORK AND METHODS
(73) Sony Corporation
(72) MARTIN, Brian Alexander
WAKABAYASHI, Hideji
TSUDA, Shinichiro
(74) ir. W.J.J.M. Kempes
(31) 15154659
(32) 11.02.2015
(33) European Patent Office (EPO)
(47) 17.07.2019

(51) H04W 36/30
H04W 88/04
(11) EP3354068
(21) EP16741917.5
(22) 19.07.2016
(54) TERMINAL DEVICE, METHOD AND SYSTEM
(73) Sony Corporation
(72) MARTIN, Brian Alexander
(74) ir. W.J.J.M. Kempes
(31) 15186530
(32) 23.09.2015
(33) European Patent Office (EPO)
(47) 26.06.2019

(51) H04W 48/08
H04W 84/12
H04W 88/10
(11) EP2911467
(21) EP14164162.1
(22) 23.09.2010
(54) BSS/PBSS support and schedule-free networking in 60GHz
(73) Intel Corporation
(72) Cordeiro, Carlos
(74) ir. W.J.J.M. Kempes
(31) 630426
(32) 03.12.2009
(33) United States of America
(47) 08.05.2019

(51) H04W 48/14
H04W 12/06
H04W 84/12
H04L 29/06
H04W 12/08
(11) EP3165026
(21) EP15814969.0
(22) 25.06.2015
(54) WIRELESS LOCAL AREA NETWORK ACCESS
(73) Google LLC
(72) HUANG, Jonathan
BIRD, David
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201462019856 P
201414455829
(32) 01.07.2014
08.08.2014
(33) United States of America
United States of America
(47) 22.05.2019

(51) H04W 48/18
H04W 88/06
H04W 48/16
(11) EP3254504
(21) EP16847577.0
(22) 27.04.2016
(54) METHOD AND DEVICE FOR PERFORMING CAMPING
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) MIAO, Qingyu
FAN, Rui
LIU, Jinhua
(74) ir. J.M.G. Dohmen c.s.
(47) 26.06.2019

(51) H04W 52/02
(11) EP3154308
(21) EP15803958.6
(22) 26.05.2015
(54) DEVICE IN WIRELESS COMMUNICATION SYSTEM AND METHOD
(73) Sony Corporation
(72) XU, Xiaodong
HONG, Yateng
LIU, Ya
KE, Xi
(74) ir. W.J.J.M. Kempes
(31) 201410244379

(32) 04.06.2014
(33) China
(47) 03.07.2019

(51) H04W 52/36
H04W 52/34
H04W 24/10
H04J 11/00
H04W 52/30
H04W 72/04
H04L 5/00
(11) EP3122106
(21) EP15764901.3
(22) 18.03.2015
(54) USER TERMINAL, WIRELESS BASE STATION, WIRELESS COMMUNICATION SYSTEM AND WIRELESS COMMUNICATION METHOD
(73) NTT DOCOMO, INC.
(72) TAKEDA, Kazuki
HARADA, Hiroki
KAKISHIMA, Yuichi
UCHINO, Tooru
LIU, Liu
JIANG, Huiling
ZHAO, Li
LI, Yong
PENG, Mugen
WANG, Wenbo
(74) mr.ir. F.N. Ferro
(31) 2014058670
(32) 20.03.2014
(33) Japan
(47) 26.06.2019

(51) H04W 52/50
H04W 16/32
H04W 72/04
H04W 74/08
H04W 52/34
H04W 52/38
H04W 52/36
(11) EP3200514
(21) EP15843364.9
(22) 25.09.2015
(54) USER TERMINAL, WIRELESS COMMUNICATION METHOD, AND WIRELESS COMMUNICATION SYSTEM
(73) NTT DOCOMO, INC.
(72) TAKEDA, Kazuki
TAKAHASHI, Hideaki
NAGATA, Satoshi
(74) mr.ir. F.N. Ferro
(31) 2014195459
(32) 25.09.2014
(33) Japan
(47) 26.06.2019

(51) H04W 52/54
H04W 48/10
H04W 52/34
H04W 52/36
H04W 48/12
H04W 48/20
H04W 52/40
H04W 52/28
(11) EP3206445
(21) EP15849592.9
(22) 06.10.2015
(54) USER DEVICE, MOBILE COMMUNICATION SYSTEM AND MAXIMUM TRANSMISSION POWER DETERMINATION METHOD
(73) NTT DOCOMO, INC.
(72) TAKAHASHI, Hideaki
UMEDA, Hiromasa
(74) mr.ir. F.N. Ferro
(31) 2014206231
2015109145
(32) 07.10.2014
28.05.2015
(33) Japan
Japan
(47) 03.07.2019

(51) H04W 60/04
H04W 8/06
(11) EP2636230
(21) EP10795391.1
(22) 21.12.2010
(54) METHODS AND DEVICES FOR COMMUNICATION IN THE CONTEXT OF AN IDLE PROCEDURE AND COMPUTER READABLE STORAGE MEDIUM AND COMPUTER PROGRAM
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) YANG, Yong
RYDNELL, Gunnar
(74) ir. J.M.G. Dohmen c.s.
(31) 410373 P
(32) 05.11.2010
(33) United States of America
(47) 19.06.2019

(51) H04W 64/00
H04W 84/04
(11) EP1925182
(21) EP06814947.5
(22) 15.09.2006
(54) EMERGENCY CIRCUIT-MODE CALL SUPPORT
(73) Qualcomm Incorporated
(72) EDGE, Stephen
BURROUGHS, Kirk
WACHTER, Andreas
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 717620 P
730312 P
749294 P
749233 P
532044
(32) 15.09.2005
25.10.2005
09.12.2005
09.12.2005
14.09.2006
(33) United States of America
United States of America
United States of America
United States of America
United States of America
(47) 22.05.2019

(51) H04W 72/04
H04W 74/08
H04W 36/00
(11) EP3332590
(21) EP15901099.0
(22) 07.08.2015
(54) METHOD AND ARRANGEMENT FOR REQUESTING OF RESOURCES
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) BERGSTRÖM, Andreas
RAMACHANDRA, Pradeepa
ERIKSSON, Erik
MOOSAVI, Reza
(74) ir. J.M.G. Dohmen c.s.
(47) 01.05.2019

(51) H04W 74/00
H04W 72/12
H04W 74/08
(11) EP3286972
(21) EP15823903.8
(22) 22.12.2015
(54) LOW LATENCY CONTENTION BASED SCHEDULING REQUEST
(73) Intel IP Corporation
(72) ZHANG, Yushu
ZHU, Yuan
CHANG, Wenting
XIONG, Gang
LI, Qinghua
NIU, Huaning
(74) ir. W.J.J.M. Kempes
(31) 201562151281 P
PCT/CN2015/079497
(32) 22.04.2015
21.05.2015
(33) United States of America
World Intellectual Property Office (WIPO)
(47) 15.05.2019

(51) H04W 76/10
H04J 11/00
(11) EP2702712
(21) EP12776465.2
(22) 27.04.2012
(54) METHOD FOR PROCESSING DATA ASSOCIATED WITH SESSION MANAGEMENT AND MOBILITY MANAGEMENT
(73) LG Electronics Inc.
(72) SUN, Li-Hsiang
(74) ir. F.A. Geurts c.s.
(31) 201161481082 P
(32) 29.04.2011
(33) United States of America
(47) 05.06.2019

(51) H04W 84/18
G06K 19/06
H04L 12/28
H04L 29/06
H04L 12/24
H04W 12/06
H04W 60/00
(11) EP2885936
(21) EP13756769.9
(22) 19.08.2013
(54) CONFIGURATION OF A NEW ENROLLEE DEVICE FOR USE IN A COMMUNICATION NETWORK
(73) Qualcomm Incorporated
(72) BENOIT, Olivier Jean
TINNAKORNSRISUPHAP, Peerapol
COHEN, Etan Gur
PALANIGOUNDER, Anand
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261691235 P
201213659689
(32) 20.08.2012
24.10.2012

(33) United States of America
United States of America
(47) 29.05.2019

(51) H04W 88/04
H04W 76/14
H04W 36/22
H04W 4/70
H04W 72/08
H04W 4/80
H04W 72/04
(11) EP3073767
(21) EP16155783.0
(22) 15.02.2016
(54) METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE
(73) Intel IP Corporation
(72) BADIC, Biljana
BALRAJ, Rajarajan
(74) ir. W.J.J.M. Kempes
(31) 201514670471
(32) 27.03.2015
(33) United States of America
(47) 08.05.2019

(51) H05B 1/02
H01L 21/67
(11) EP2752082
(21) EP12773421.8
(22) 30.08.2012
(54) THERMAL ARRAY SYSTEM
(73) Watlow Electric Manufacturing Company
(72) SCHMIDT, Phillip, S.
SWANSON, Cal, T.
LEMKE, John, F.
(74) ir. J.M.G. Dohmen c.s.
(31) 201161528939 P
201261635310 P
(32) 30.08.2011
19.04.2012
(33) United States of America
United States of America
(47) 01.05.2019

(51) H05B 1/02
H05B 3/48
(11) EP3357301
(21) EP16785281.3
(22) 03.10.2016
(54) INTEGRATED DEVICE AND METHOD FOR ENHANCING HEATER LIFE AND PERFORMANCE
(73) Watlow Electric Manufacturing Company
(72) NOSRATI, Mohammad
BRUMMELL, Roger
TOMPKINS, Timothy
(74) ir. J.M.G. Dohmen c.s.
(31) 201562235719 P
(32) 01.10.2015
(33) United States of America
(47) 01.05.2019

(51) H05H 6/00
C23C 14/14
C23C 14/16
C23C 14/24
G21K 5/08
H05H 3/06
(11) EP2725879
(21) EP12805086.1
(22) 31.05.2012
(54) AUTOMATIC LITHIUM TARGET REGENERATING APPARATUS AND AUTOMATIC LITHIUM TARGET REGENERATING METHOD
(73) Cancer Intelligence Care Systems, Inc.
(72) FUJII, Ryo
NAKAMURA, Masaru
IMAHORI, Yoshio
HOSHI, Masaharu
(74) ir. J.M.G. Dohmen c.s.
(31) 2011141879
(32) 27.06.2011
(33) Japan
(47) 08.05.2019

(51) H05K 3/12
H05K 3/22
F26B 3/30
F27B 9/06
H01L 21/67
H05K 1/09
H01L 21/677
(11) EP2992744
(21) EP14717121.9
(22) 10.04.2014
(54) DEVICE FOR DRYING AND SINTERING METAL-CONTAINING INK ON A SUBSTRATE
(73) Heraeus Noblelight GmbH
(72) ZISSING, Holger
WEBER, Jürgen
LINOW, Sven
WEISS, Oliver
(74) ir. W.J.J.M. Kempes
(31) 102013104577
(32) 03.05.2013
(33) Germany
(47) 05.06.2019

EP4

Voor Nederland verleende gewijzigde Europese octrooien.
Contains data concerning European patents granted in amended form (B2 or B3 publications).

(51) A23L 1/29
A23L 1/30
(11) EP2346356
(21) EP09743961.6
(22) 23.10.2009
(54) LIQUID HIGH-FAT PROTEIN COMPOSITION
(73) N.V. Nutricia
(72) HUISMAN, Ingmar Harald
KIERS, Wynette Hermina Agnes
SLIWINSKI, Edward Lucian
HOUGEE, Sander
MOLENAAR-GROENENDAAL, Marike Joanna Bernadette
(31) PCT/NL2008/050669
(32) 24.10.2008
(33) World Intellectual Property Office (WIPO)
(47) 30.04.2014

(51) A61M 5/20
(11) EP2173413
(21) EP08776083.1
(22) 28.07.2008
(54) INJECTION DEVICE
(73) Cilag GmbH International
(72) JENNINGS, Douglas Ivan
(31) 0715461
(32) 08.08.2007
(33) United Kingdom
(47) 30.03.2011

(51) A61P 19/08
A61P 25/28
A61P 31/00
A61P 33/00
A61P 35/00
A61P 37/00
A61P 37/06
C07D 303/36
C07D 301/00
C07K 5/087
C07D 301/03
A61K 38/06
(11) EP2207791
(21) EP08834964.2
(22) 03.10.2008
(54) CRYSTALLINE PEPTIDE EPOXY KETONE PROTEASE INHIBITORS AND THE SYNTHESIS OF AMINO ACID KETO-EPOXIDES
(73) Onyx Therapeutics, Inc.
(72) PHIASIVONGSA, Pasit
SEHL, Louis, C.
FULLER, William, Dean
LAIDIG, Guy, J.
(31) 997613 P
8987 P
(32) 04.10.2007
20.12.2007
(33) United States of America
United States of America
(47) 13.04.2016

(51) B01D 53/94
(11) EP2517776
(21) EP12177690.0
(22) 24.04.2008
(54) TRANSITION METAL/KFI-ZEOLITE SCR CATALYST
(73) JOHNSON MATTHEY PUBLIC LIMITED COMPANY
(72) Andersen, Paul Joseph
Collier, Jillian Elaine
Casci, John Leonello
Chen, Hai-Ying
Fedeyko, Joseph Michael
Foo, Rodney Kok Shin
Rajaram, Raj Rao
(31) PCT/GB2007/050216
(32) 26.04.2007
(33) World Intellectual Property Office (WIPO)
(47) 16.07.2014

(51) B60J 10/00
(11) EP2464532
(21) EP10739917.2
(22) 02.08.2010
(54) SEALING ARRANGEMENT FOR FIXED VEHICLE WINDOWS AND ITS USE
(73) Saint-Gobain Glass France
(72) TIMMERMANN, Alwin
(31) 102009026369
(32) 13.08.2009
(33) Germany
(47) 29.06.2016

(51) B65B 55/08
B41J 3/407
B41J 11/00
B67C 7/00
B67C 3/22
(11) EP2611695
(21) EP11722737.1
(22) 19.05.2011
(54) METHOD AND DEVICE FOR TREATING CONTAINERS
(73) KHS GmbH
(72) PRECKEL, Katrin
SCHACH, Martin
KEIL, Gernot
REINIGER, Markus
(31) 102010044244
(32) 02.09.2010
(33) Germany
(47) 29.06.2016

(51) C09J 123/08
C08L 23/08
(11) EP1874884
(21) EP06723342.9
(22) 10.03.2006
(54) USE OF NON-REACTIVE THERMOPLASTIC MELT ADHESIVE BASED ON METALLOCENE-CATALYTICALLY PRODUCED POLYOLEFINS
(73) Jowat AG
(72) TERFLOTH, Christian
STARCK, Felix
BRÜCKNER, Peter
(31) 102005020205
(32) 28.04.2005
(33) Germany
(47) 11.05.2011

(51) C12N 15/09
C12P 21/00
C12P 21/08
A61K 39/00
G01N 33/53
(11) EP2270150
(21) EP10180043.1
(22) 07.04.2000
(54) METHOD FOR CONTROLLING THE ACTIVITY OF IMMUNOLOGICALLY FUNCTIONAL MOLECULE
(73) Kyowa Hakko Kirin Co., Ltd.
(72) Hanai, Nobuo
Nakamura, Kazuyasu
Shoji, Emi
Yamasaki, Motoo
Uchida, Kazuhisa
Shinkawa, Toyohide
Imabeppu, Susumu
Kanda, Yutaka
Yamane, Naoko
Anazawa, Hideharu
(31) 10315899
(32) 09.04.1999
(33) Japan
(47) 06.04.2016

(51) H01L 33/00
(11) EP1352431
(21) EP01272551.1
(22) 19.11.2001
(54) LIGHT SOURCE COMPRISING A LIGHT-EMITTING ELEMENT
(73) Litec GBR
Leuchtstoffwerk Breitungen GmbH
TOYODA GOSEI CO., LTD.
Ledon Lighting Jennersdorf GmbH
(72) TASCH, Stefan
PACHLER, Peter
ROTH, Gundula
TEWS, Walter
KEMPFERT, Wolfgang
STARICK, Detlef
(31) 21542000
(32) 28.12.2000
(33) Austria
(47) 21.04.2010

(51) H01L 51/30
C09K 11/06
H05B 33/14
(11) EP1933395

(21) EP08003327.7
(22) 29.11.2000
(54) Complexes of form L2IrX
(73) The Trustees of Princeton University
The University of Southern California
(72) Thompson, Mark E.
Djurovich, Peter
Lamansky, Sergey
Murphy, Drew
Kwong, Raymond
Abdel-Razzaq, Feras
Forrest, Stephen R.
Baldo, Marc A.
Burrows, Paul
(31) 452346
(32) 01.12.1999
(33) United States of America
(47) 25.05.2011

(51) H02J 3/00
H02J 3/38
(11) EP2668705
(21) EP12703011.2
(22) 27.01.2012
(54) LOCAL POWER SUPPLY INSTALLATION
(73) SMA Solar Technology AG
(72) ALLERT, Claus
(31) 102011000394
(32) 28.01.2011
(33) Germany
(47) 23.11.2016

(51) H02J 7/00
(11) EP1595324
(21) EP04712979.6
(22) 20.02.2004
(54) CIRCUIT AND METHOD OF OPERATION FOR AN ELECTRICAL POWER SUPPLY
(73) Fundamental Innovation Systems International LLC
(72) VESELIC, Dusan
GUTHRIE, Martin, G., A.
(31) 372180
2419488
(32) 21.02.2003
21.02.2003
(33) United States of America
Canada
(47) 19.10.2016

EP5

Voor Nederland verleende gewijzigde Europese octrooien waarvoor een gewijzigde vertaling is ingediend .
Contains data concerning European patents granted for Netherlands and republished in amended form (B2 or B3 applications) in English and for which a translation in Dutch, was filed under the Dutch Patent Laws.

(51) A01H 15/00
(11) EP1993350
(21) EP06789401.4
(22) 03.08.2006
(54) BROWN MUSHROOMS FOR COMMERCIAL PRODUCTION
(73) Amycel, Inc.
(72) ROBLES, Christopher, William
LODDER, Stephen, Christopher
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 705862 P
267043
(32) 04.08.2005
03.11.2005
(33) United States of America
United States of America
(47) 29.06.2016

(51) A24D 3/04
A24D 3/06
(11) EP2723200
(21) EP12731411.0
(22) 27.06.2012
(54) INSERTABLE FILTER UNIT FOR A SMOKING ARTICLE
(73) British American Tobacco (Investments) Limited
(72) PENROSE, Graham
MALTHOUSE, Michael
WAKE, David
FULCHER, Gary
SIMPSON, Michael
BROOKBANK, Aaron
GRIERSON, Gordon
HINDLEY, Jon
SAMPSON, John
KHAN-DAR, Rabya
KALJURA, Karl
ONG, Nelson
RICHARDSON, John
MAJOR, John
YOUNG, Richard
(74) ir. W.J.J.M. Kempes
(31) 201110863
201209426
(32) 27.06.2011
28.05.2012
(33) United Kingdom
United Kingdom
(47) 08.06.2016

(51) B41F 15/38
B41C 1/14
B41N 1/24
G03F 7/12
H05K 3/12
(11) EP2388142
(21) EP11162924.2
(22) 19.04.2011
(54) Screen material and structure of a screen printing form
(73) Gallus Ferd. Rüesch AG
(72) Brocker, Heinz
Frick, Hans-Rudolf
Forrer, Rolf
Greutmann, Roland
(74) J.M.H. Duyver lic.
(31) 102010021062
(32) 19.05.2010
(33) Germany
(47) 11.11.2015

(51) B65B 55/00
B65B 65/00
B65B 55/02
B65B 9/04
(11) EP2015996
(21) EP07722360.0
(22) 04.05.2007
(54) PACKING MACHINE, IN PARTICULAR ENCOMPASSING A DEEP DRAWING MACHINE
(73) Multivac Sepp Haggenmüller GmbH & Co. KG
(72) RUZIC, Ivo
EHRMANN, Elmar
SLOMP, Tieme, Jan
(74) ir. P.J. Hylarides c.s.
(31) 102006021345
(32) 05.05.2006
(33) Germany
(47) 06.07.2011

(51) B65G 47/08
B65H 33/18
B65B 35/44
B65B 35/30
B65B 35/24
(11) EP2723659
(21) EP12722306.3
(22) 18.05.2012
(54) DEVICE AND METHOD FOR GROUPING ARTICLES
(73) Focke & Co. (GmbH & Co. KG)
(72) SCHULTE, Josef
PRAHM, Andreas
BRANDHORST, Björn
(74) ir. J.C. Volmer c.s.
(31) 102011105887
(32) 27.06.2011
(33) Germany
(47) 06.04.2016

(51) C08K 3/10
C08L 95/00
C08K 3/22
C09D 195/00
C10G 29/06
C10G 29/16
(11) EP1763562
(21) EP04814216.0
(22) 15.12.2004
(54) PROCESS FOR PREPARING BITUMEN COMPOSITIONS WITH REDUCED HYDROGEN SULFIDE EMISSION
(73) TOTAL MARKETING SERVICES
(72) BURAS, Paul, J.
LEE, William
BUTLER, James, R.
(74) J.M.H. Duyver lic.
(31) 749898
(32) 31.12.2003
(33) United States of America
(47) 17.08.2016

(51) F41G 3/26
(11) EP1350074
(21) EP02729392.7
(22) 03.01.2002
(54) COMBAT SIMULATION WHEREIN TARGET OBJECTS ARE ASSOCIATED TO PROTECTING OBJECT BY MEANS OF A LOCAL CO-OPERATION BETWEEN THE TARGET OBJECTS AND THE RELEVANT PROTECTING OBJECTS
(73) SAAB AB
(72) DAVIDSSON, Stefan
BJÖRKMAN, Ulf
EMRICSON, Ingemar
HERMANSSON, Peter
JANSSON, Ake
KLAHR, Per
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0100067
(32) 10.01.2001
(33) Sweden
(47) 16.11.2005

(51) G07C 9/00
B60R 25/24
(11) EP2997550
(21) EP15700657.8
(22) 13.01.2015
(54) METHOD FOR CONTROLLING ACCESS
(73) Huf Hülsbeck & Fürst GmbH & Co. KG
(72) GENNERMANN, Sven
BAMBECK, Daniel
Käufer Uwe
(74) J.M.H. Duyver lic.
(31) 102014107242
(32) 22.05.2014
(33) Germany
(47) 08.06.2016

(51) H01L 21/027
G03F 7/20
G21K 1/06
G02B 5/08
G02B 5/26

G02B 5/28
(11) EP1675164
(21) EP04792501.1
(22) 15.10.2004
(54) MULTILAYER FILM REFLECTION MIRROR, PRODUCTION METHOD FOR MULTILAYER FILM REFLECTION MIRROR, AND EXPOSURE SYSTEM
(73) NIKON CORPORATION
(72) KANDAKA, Noriaki, Nikon Corporation, I.P. Depart.
MURAKAMI, Katsuhiko, Nikon Corporation, I.P. Dept.
KOMIYA, Takaharu, Nikon Corporation, I.P. Dept.
SHIRAISHI, Masayuki, Nikon Corporation, I.P. Dept.
(74) ir. F.A. Geurts c.s.
(31) 2003354561
2003354568
2003354989
2004094633
(32) 15.10.2003
15.10.2003
15.10.2003
29.03.2004
(33) Japan
Japan
Japan
Japan
(47) 21.12.2011

(51) H05B 6/64
(11) EP2704526
(21) EP13181967.4
(22) 28.08.2013
(54) COOKING APPARATUS AND CONTROL METHOD THEREOF
(73) Samsung Electronics Co., Ltd
(72) Lim, Gyu Sik
Koo, Sun Hee
Baek, Chang Min
Cho, In Young
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120095286
20130008967
20130056086
(32) 29.08.2012
26.01.2013
16.05.2013
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
(47) 30.03.2016

SPC

Ingeschreven en verleende certificaten.
Contains data concerning applications for- or granted Supplementary Protection Certificates.

(21) 300556
(22) 29.11.2012
(11) 300556
(73) JAGOTEC AG
(74) ir. M.F.J.M. Ketelaars c.s.
(68) EP1102579
(54) Geneeskundige aërosolformuleringen.
(92) RVG 107222 12.07.2012
(94) 01.08.2024
(95) Combinatie van fluticason en formeterol, of farmaceutisch aanvaardbare zouten of derivaten ervan als beschermd door het basisoctrooi, in het bijzonder fluticasonproprionaat en formetrerolfumaraat.
(93) ML21395...397 10.07.2012
(47) 20.08.2013

(21) 350096
(22) 18.07.2019
(11) 350096
(74) ir. J.M.G. Dohmen c.s.
(68) EP1802198
(54) Synergistic fungicidal compositions.
(92) 15838 N 05.04.2019
(94) 1826
(95) Isopyrazam of een tautomeer daarvan en prothioconazole in al de vormen zoals die worden beschermd door het basisoctrooi.
(93) 16635 11.07.2017

VB1

Rechten waarvoor een verzoek of bezwaarschrift is ingediend conform Octrooiwet 1995 en de Algemene Wet Bestuursrecht.
Contains data concerning requests and notices of opposition under the General administrative law.

(11) EP1965658
(51) A23K 20/158
A23K 50/80
(00) 41/18
03.10.2018

(11) EP2156751
(51) A23L 5/00
A23L 33/125
A23L 2/60
A61K 31/7004
A23L 29/30
A23L 27/30
(00) 41/18
03.10.2018

(11) EP2160845
(51) H04B 3/54
(00) 41/18
03.10.2018

(11) EP2182898
(51) A61F 7/02
A61F 7/10
A61F 7/00
A61H 9/00
A61H 23/02
(00) 41/18
03.10.2018

(11) EP2220689
(51) H01L 31/18
H01L 31/0216
H01L 31/068
(00) 2014/36
03.09.2014

(11) EP2297207
(51) A61K 39/395
C07K 14/745
C07K 16/36
(00) 41/18
03.10.2018

(11) EP2313471
(51) C09K 5/04
B01F 17/00
C09K 3/30
C08J 9/12
F25B 9/00
F25B 30/00
(00) 42/18
10.10.2018

(11) EP2405764
(51) A23C 9/12
A23C 9/123
(00) 41/18
03.10.2018

(11) EP2429966
(51) C04B 7/02
C04B 28/00
C04B 20/06
C04B 28/04
C04B 20/04
C04B 7/36
(00) 41/18
03.10.2018

(11) EP2451973
(51) C12Q 1/68
(00) 19/16
11.05.2016

(11) EP2454477
(51) F03D 7/02
F03D 7/04
F03D 9/00
(00) 41/18
03.10.2018

(11) EP2518277
(51) F01D 25/12
F01D 5/08
F01D 25/24
(00) 42/18
10.10.2018

(11) EP2546504
(51) F02F 7/00
(00) 41/18
03.10.2018

(11) EP2593254
(51) B22F 3/15
C22C 47/06
B22F 5/04
D04C 1/06
F01D 5/28
(00) 41/18
03.10.2018

(11) EP2720766
(51) A63F 13/87
A63F 13/335
A63F 13/352
A63F 13/355
A63F 13/358
A63F 13/424
A63F 13/86
(00) 23.07.2019
(00) 13/19
27.03.2019
(00) Restoration of rights
(00) Sony Interactive Entertainment America LLC

(11) EP2721149
(51) C12N 9/54
C11D 3/386
C11D 3/39
(00) 42/18
10.10.2018

(11) EP2763880
(51) B61D 17/18
(00) 41/18
03.10.2018

(11) EP2771441
(51) C10M 133/44
(00) 41/18
03.10.2018

(11) EP2791782
(51) G06F 7/04
A61B 5/00
A61B 5/145
G06F 19/00
H04W 4/00
H04W 12/04
H04W 12/06
(00) 41/18
03.10.2018

(11) EP2793831
(51) A61K 8/46
A61Q 5/12
A61K 8/34
A61K 8/37
A61K 8/92
A61K 8/85
A61K 8/44
(00) 41/18
03.10.2018

(11) EP2836602
(51) C12P 19/02
C12P 19/12
C12P 7/10
C13K 1/02
C12P 19/14
(00) 41/18
03.10.2018

(11) EP2874874
(51) B64C 13/00
B64C 13/04
G05G 9/047
B64C 13/02
B64C 13/12
B64C 13/34
B64C 13/46
F16H 57/08
G05G 1/08
(00) 41/18
03.10.2018

(11) EP2894251
(51) D06F 58/20
D06F 58/28
D06F 25/00
(00) 41/18
03.10.2018

(11) EP2910399
(51) B60L 5/26
(00) 41/18
03.10.2018

(11) EP2934050
(51) H04W 60/04
H04W 76/20
H04L 29/08
H04L 29/12
(00) 41/18
03.10.2018

(11) EP2951149
(51) C07C 217/08
B01D 53/52
B01D 53/14
C10L 3/10
C07C 213/06
C07C 217/04
(00) 42/18
10.10.2018

(11) EP2967616
(51) A61B 17/225
A61B 6/04
A61B 6/00
(00) 41/18
03.10.2018

(11) EP2994495
(51) C08G 18/71
C08G 18/80
C08G 18/10
C08G 18/12
C08G 18/24
C09D 175/04
C08G 18/28
(00) 42/18
10.10.2018

(11) EP3003604
(51) B22D 23/00
(00) 41/18
03.10.2018

(11) EP3009143
(51) A61K 38/17
A61K 45/00
A61P 25/16
A61P 25/28
A61K 31/70
(00) 41/18
03.10.2018

(11) EP3027926
(51) F16D 55/226
F16D 65/095
(00) 41/18
03.10.2018

(11) EP3061048
(51) G06Q 10/08
B62D 53/00
B62D 47/00
B60P 3/00
(00) 42/18
10.10.2018

(11) EP3061359
(51) A24F 47/00
(00) 41/18
03.10.2018

(11) EP3071607
(51) C08F 110/06
C08F 4/654
(00) 20/18
09.05.2018

(11) EP3085780
(51) C12N 15/00
C12N 15/09
C12N 15/63
C12N 15/74
C12N 5/00
C12N 5/02
C12N 5/16
C12P 21/06
C12P 21/04
(00) 26/19
26.06.2019

(11) EP3087852
(51) A24B 13/00
(00) 46/18
07.11.2018

(11) EP3092894
(51) A01K 1/035
(00) 40/18
26.09.2018

(11) EP3097170
(51) C11D 3/40
C11D 17/00
(00) 41/18
03.10.2018

(11) EP3103354
(51) A24D 3/02
A24C 5/345
(00) 41/18
03.10.2018

(11) EP3107987
(51) C11D 3/20
C11D 3/33
C11D 3/39
C11D 3/37
C11D 3/10
C11D 3/08
C11D 1/66
(00) 41/18
03.10.2018

(11) EP3110898
(51) C09J 7/10
B32B 7/12
(00) 41/18
03.10.2018

(11) EP3121495
(51) F16K 31/06
H01F 7/13
H01F 7/16
H01F 7/18
F16F 9/34
(00) 41/18
03.10.2018

(11) EP3135086
(51) A01B 79/00
A01B 61/00
(00) 41/18
03.10.2018

(11) EP3148734
(51) B23D 47/12
B27B 5/38
B25F 5/00
(00) 44/18
24.10.2018

(11) EP3154787
(51) B32B 37/04
B32B 38/10
B42D 25/455
B42D 25/324
B42D 25/46
B42D 25/00
B32B 27/08
B32B 27/30
B32B 27/36
B32B 37/10
B32B 37/18
B32B 38/06
B41M 3/14
B41M 5/24
B42D 25/425
B42D 25/328
B42D 25/364
B42D 25/373
(00) 41/18
03.10.2018

(11) EP3160245
(51) A23L 23/00
A23L 23/10
A23C 9/152
A23C 9/154
A23C 19/09
A23C 11/04
A23C 9/15
(00) 43/18
17.10.2018

(11) EP3182764
(51) H04W 52/02
H04W 52/28
G06F 1/32
(00) 05.08.2019
(00) 53/18
28.12.2018
(00) Restoration of rights
(00) Intel Corporation

(11) EP3184569
(51) C08G 59/68
C07F 5/06
C08F 4/52
C08G 65/10
(00) 40/18
26.09.2018

(11) EP3187058
(51) A24F 47/00
B65D 50/00
(00) 41/18
03.10.2018

(11) EP3203047
(51) F01N 3/20
F16L 37/14
F16L 55/00
(00) 43/18
17.10.2018

(11) EP3214091
(51) C07H 21/04
A61K 39/00
(00) 41/18
03.10.2018

(11) EP3351246
(51) A61K 31/436
A61P 35/00
A61P 35/04
(00) 21/19
22.05.2019

VB2

Rechten waarvoor een beslissing is genomen op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.
Contains data concerning requests and notices of opposition under the General administrative law in respect of which a decision has been taken or in respect for which a report has been made.

(11) EP1852218
(51) B24B 23/04
B24B 45/00
(00) 2010/34
13.10.2010

(11) EP1909873
(51) A61M 15/00
A61M 11/00
(00) 27/19
03.07.2019
(00) 06.08.2019
(00) Negative

(11) EP2193735
(51) A47J 43/24
F26B 5/08

(11) EP2220689
(51) H01L 31/18
H01L 31/0216
H01L 31/068
(00) 30/19
24.07.2019

(11) EP2307551
(51) C12N 15/867

(11) EP2513207
(51) C08J 5/24

(11) EP2574265
(51) A47L 9/28
A47L 9/00
A47L 9/04
G05D 1/02

(11) EP2749709
(51) E04F 10/06
(00) 32/17
09.08.2017

(11) EP2751146
(51) C08F 10/02
C08F 2/34
(00) 47/16
23.11.2016

(11) EP2873083
(51) H01H 33/59
H02P 1/02
H02P 3/22
H02P 29/02
(00) 05/19
30.01.2019

(11) EP2895751
(51) F16B 5/02
F16B 25/00
F16B 25/10
F16B 35/04
(00) 37/17
13.09.2017

(11) EP2898521
(51) H01H 9/54
H02P 1/02
H02P 3/02
(00) 19/18
02.05.2018

(11) EP2903419
(51) A01J 5/013
(00) 37/17
13.09.2017

(11) EP2904017
(51) C08B 30/12
C08B 30/14
C09J 103/02
C08L 3/02

(11) EP2937444
(51) C23C 14/34
C22C 5/06
(00) 27/18
27.06.2018

(11) EP3023431
(51) C07H 13/06
C11D 1/83

MED

Overige mededelingen.
Contains data concerning other communications.

(11) 2021399
(00) 02.08.2019
(51) A01G 18/62
A01G 18/70
A01G 9/14
(00) Total - Renunciation

---

(11) EP1352431
(51) H01L 33/00

---

(11) EP1595324
(51) H02J 7/00

---

(11) EP1874884
(51) C09J 123/08
C08L 23/08

---

(11) EP1933395
(51) H01L 51/30
C09K 11/06
H05B 33/14

---

(11) EP2173413
(51) A61M 5/20

---

(11) EP2207791
(51) A61P 19/08
A61P 25/28
A61P 31/00
A61P 33/00
A61P 35/00
A61P 37/00
A61P 37/06
C07D 303/36
C07D 301/00
C07K 5/087
C07D 301/03
A61K 38/06

---

(11) EP2270150
(51) C12N 15/09
C12P 21/00
C12P 21/08
A61K 39/00
G01N 33/53

---

(11) EP2346356
(51) A23L 1/29
A23L 1/30

---

(11) EP2464532
(51) B60J 10/00

---

(11) EP2517776
(51) B01D 53/94

---

(11) EP2611695
(51) B65B 55/08
B41J 3/407
B41J 11/00
B67C 7/00
B67C 3/22

---

(11) EP2678298
(51) C07C 17/25
C07C 21/18

---

(11) EP3321624
(51) F28F 1/32
F25B 39/00
F28D 1/047
F28F 19/04
F28F 3/08

VRV

Verval of nietigverklaring.
Contains data concerning lapse or annulment.

(11) 1012759
(00) 02.08.2019
(00) Patent Expired

(11) 1013729
(00) 01.01.2019
(00) NP lapsed

(11) 1013796
(00) 01.01.2019
(00) NP lapsed

(11) 1013797
(00) 01.01.2019
(00) NP lapsed

(11) 1013936
(00) 01.01.2019
(00) NP lapsed

(11) 1013951
(00) 01.01.2019
(00) NP lapsed

(11) 1016936
(00) 01.01.2019
(00) NP lapsed

(11) 1016937
(00) 01.01.2019
(00) NP lapsed

(11) 1022087
(00) 01.01.2019
(00) NP lapsed

(11) 1022115
(00) 01.01.2019
(00) NP lapsed

(11) 1022119
(00) 01.01.2019
(00) NP lapsed

(11) 1022127
(00) 01.01.2019
(00) NP lapsed

(11) 1022180
(00) 01.01.2019
(00) NP lapsed

(11) 1024985
(00) 01.01.2019
(00) NP lapsed

(11) 1025089
(00) 01.01.2019
(00) NP lapsed

(11) 1025143
(00) 01.01.2019
(00) NP lapsed

(11) 1025147
(00) 01.01.2019
(00) NP lapsed

(11) 1027777
(00) 01.01.2019
(00) NP lapsed

(11) 1027778
(00) 01.01.2019
(00) NP lapsed

(11) 1027780
(00) 01.01.2019
(00) NP lapsed

(11) 1027792
(00) 01.01.2019
(00) NP lapsed

(11) 1027797
(00) 01.01.2019
(00) NP lapsed

(11) 1027829
(00) 01.01.2019
(00) NP lapsed

(11) 1027918
(00) 01.01.2019
(00) NP lapsed

(11) 1030596
(00) 01.01.2019
(00) NP lapsed

(11) 1030625
(00) 01.01.2019
(00) NP lapsed

(11) 1030627
(00) 01.01.2019
(00) NP lapsed

(11) 1030677
(00) 01.01.2019
(00) NP lapsed

(11) 1030680
(00) 01.01.2019
(00) NP lapsed

(11) 1030729
(00) 01.01.2019
(00) NP lapsed

(11) 1030787
(00) 01.01.2019
(00) NP lapsed

(11) 1030790
(00) 01.01.2019
(00) NP lapsed

(11) 1030793
(00) 01.01.2019
(00) NP lapsed

(11) 1033053
(00) 01.01.2019
(00) NP lapsed

(11) 1033091
(00) 01.01.2019
(00) NP lapsed

(11) 1034876
(00) 01.01.2019
(00) NP lapsed

(11) 1036291
(00) 01.01.2019
(00) NP lapsed

(11) 1036320
(00) 01.01.2019
(00) NP lapsed

(11) 1036325
(00) 01.01.2019
(00) NP lapsed

(11) 1036347
(00) 01.01.2019
(00) NP lapsed

(11) 1037539
(00) 01.01.2019
(00) NP lapsed

(11) 1037561
(00) 01.01.2019
(00) NP lapsed

(11) 1037562
(00) 01.01.2019
(00) NP lapsed

(11) 1038469
(00) 01.01.2019
(00) NP lapsed

(11) 1038481
(00) 01.01.2019
(00) NP lapsed

(11) 1039218
(00) 01.01.2019
(00) NP lapsed

(11) 1039232
(00) 01.01.2019
(00) NP lapsed

(11) 1039259
(00) 01.01.2019
(00) NP lapsed

(11) 1039266
(00) 01.01.2019
(00) NP lapsed

(11) 1039940
(00) 01.01.2019
(00) NP lapsed

(11) 1039960
(00) 01.01.2019
(00) NP lapsed

(11) 1040537
(00) 01.01.2019
(00) NP lapsed

(11) 1041083
(00) 01.01.2019
(00) NP lapsed

(11) 1041116
(00) 01.01.2019
(00) NP lapsed

(11) 1041123
(00) 01.01.2019
(00) NP lapsed

(11) 1041605
(00) 01.01.2019
(00) NP lapsed

(11) 1041609
(00) 01.01.2019
(00) NP lapsed

(11) 1041610
(00) 01.01.2019
(00) NP lapsed

(11) 1041614
(00) 01.01.2019
(00) NP lapsed

(11) 1041615
(00) 01.01.2019

(00) NP lapsed

(11) 1041617
(00) 01.01.2019
(00) NP lapsed

(11) 1041621
(00) 01.01.2019
(00) NP lapsed

(11) 1041624
(00) 01.01.2019
(00) NP lapsed

(11) 1041630
(00) 01.01.2019
(00) NP lapsed

(11) 1041631
(00) 01.01.2019
(00) NP lapsed

(11) 1041632
(00) 01.01.2019
(00) NP lapsed

(11) 1041635
(00) 01.01.2019
(00) NP lapsed

(11) 1041638
(00) 01.01.2019
(00) NP lapsed

(11) 1041642
(00) 01.01.2019
(00) NP lapsed

(11) 1041646
(00) 01.01.2019
(00) NP lapsed

(11) 1041653
(00) 01.01.2019
(00) NP lapsed

(11) 2000362
(00) 01.01.2019
(00) NP lapsed

(11) 2001069
(00) 01.01.2019
(00) NP lapsed

(11) 2002268
(00) 01.01.2019
(00) NP lapsed

(11) 2002288
(00) 01.01.2019
(00) NP lapsed

(11) 2002357
(00) 01.01.2019
(00) NP lapsed

(11) 2002377
(00) 01.01.2019
(00) NP lapsed

(11) 2003903
(00) 01.01.2019
(00) NP lapsed

(11) 2003921
(00) 01.01.2019
(00) NP lapsed

(11) 2003938
(00) 01.01.2019
(00) NP lapsed

(11) 2003963
(00) 01.01.2019
(00) NP lapsed

(11) 2003978
(00) 01.01.2019

(00) NP lapsed

(11) 2004006
(00) 01.01.2019
(00) NP lapsed

(11) 2004026
(00) 01.01.2019
(00) NP lapsed

(11) 2005793
(00) 01.01.2019
(00) NP lapsed

(11) 2005795
(00) 01.01.2019
(00) NP lapsed

(11) 2005798
(00) 01.01.2019
(00) NP lapsed

(11) 2005831
(00) 01.01.2019
(00) NP lapsed

(11) 2005938
(00) 01.01.2019
(00) NP lapsed

(11) 2005939
(00) 01.01.2019
(00) NP lapsed

(11) 2005942
(00) 01.01.2019
(00) NP lapsed

(11) 2005945
(00) 01.01.2019
(00) NP lapsed

(11) 2005946
(00) 01.01.2019
(00) NP lapsed

(11) 2007948
(00) 01.01.2019
(00) NP lapsed

(11) 2007952
(00) 01.01.2019
(00) NP lapsed

(11) 2007964
(00) 01.01.2019
(00) NP lapsed

(11) 2007982
(00) 01.01.2019
(00) NP lapsed

(11) 2007987
(00) 01.01.2019
(00) NP lapsed

(11) 2007988
(00) 01.01.2019
(00) NP lapsed

(11) 2008061
(00) 01.01.2019
(00) NP lapsed

(11) 2009933
(00) 01.01.2019
(00) NP lapsed

(11) 2009943
(00) 01.01.2019
(00) NP lapsed

(11) 2009967
(00) 01.01.2019
(00) NP lapsed

(11) 2009975
(00) 01.01.2019

(00) NP lapsed

(11) 2009981
(00) 01.01.2019
(00) NP lapsed

(11) 2010041
(00) 01.01.2019
(00) NP lapsed

(11) 2011896
(00) 01.01.2019
(00) NP lapsed

(11) 2011907
(00) 01.01.2019
(00) NP lapsed

(11) 2011953
(00) 01.01.2019
(00) NP lapsed

(11) 2011955
(00) 01.01.2019
(00) NP lapsed

(11) 2011959
(00) 01.01.2019
(00) NP lapsed

(11) 2011989
(00) 01.01.2019
(00) NP lapsed

(11) 2011996
(00) 01.01.2019
(00) NP lapsed

(11) 2012013
(00) 01.01.2019
(00) NP lapsed

(11) 2012026
(00) 01.01.2019
(00) NP lapsed

(11) 2012028
(00) 01.01.2019
(00) NP lapsed

(11) 2012030
(00) 01.01.2019
(00) NP lapsed

(11) 2012037
(00) 01.01.2019
(00) NP lapsed

(11) 2013922
(00) 01.01.2019
(00) NP lapsed

(11) 2013928
(00) 01.01.2019
(00) NP lapsed

(11) 2013929
(00) 01.01.2019
(00) NP lapsed

(11) 2013934
(00) 01.01.2019
(00) NP lapsed

(11) 2013937
(00) 01.01.2019
(00) NP lapsed

(11) 2013938
(00) 01.01.2019
(00) NP lapsed

(11) 2013944
(00) 01.01.2019
(00) NP lapsed

(11) 2013953
(00) 01.01.2019

(00) NP lapsed

(11) 2013956
(00) 01.01.2019
(00) NP lapsed

(11) 2013961
(00) 01.01.2019
(00) NP lapsed

(11) 2013988
(00) 01.01.2019
(00) NP lapsed

(11) 2013989
(00) 01.01.2019
(00) NP lapsed

(11) 2013990
(00) 01.01.2019
(00) NP lapsed

(11) 2013992
(00) 01.01.2019
(00) NP lapsed

(11) 2014002
(00) 01.01.2019
(00) NP lapsed

(11) 2014013
(00) 01.01.2019
(00) NP lapsed

(11) 2014035
(00) 01.01.2019
(00) NP lapsed

(11) 2014052
(00) 01.01.2019
(00) NP lapsed

(11) 2014057
(00) 01.01.2019
(00) NP lapsed

(11) 2014066
(00) 01.01.2019
(00) NP lapsed

(11) 2015894
(00) 01.01.2019
(00) NP lapsed

(11) 2015899
(00) 01.01.2019
(00) NP lapsed

(11) 2015906
(00) 01.01.2019
(00) NP lapsed

(11) 2015912
(00) 01.01.2019
(00) NP lapsed

(11) 2015922
(00) 01.01.2019
(00) NP lapsed

(11) 2015925
(00) 01.01.2019
(00) NP lapsed

(11) 2015935
(00) 01.01.2019
(00) NP lapsed

(11) 2015938
(00) 01.01.2019
(00) NP lapsed

(11) 2015942
(00) 01.01.2019
(00) NP lapsed

(11) 2015954
(00) 01.01.2019

(00) NP lapsed

(11) 2015961
(00) 01.01.2019
(00) NP lapsed

(11) 2015964
(00) 01.01.2019
(00) NP lapsed

(11) 2015973
(00) 01.01.2019
(00) NP lapsed

(11) 2015978
(00) 01.01.2019
(00) NP lapsed

(11) 2015995
(00) 01.01.2019
(00) NP lapsed

(11) 2016008
(00) 01.01.2019
(00) NP lapsed

(11) 2016018
(00) 01.01.2019
(00) NP lapsed

(11) 2016022
(00) 01.01.2019
(00) NP lapsed

(11) 2016023
(00) 01.01.2019
(00) NP lapsed

(11) 2016024
(00) 01.01.2019
(00) NP lapsed

(11) 2016025
(00) 01.01.2019
(00) NP lapsed

(11) 2016027
(00) 01.01.2019
(00) NP lapsed

(11) 2016031
(00) 01.01.2019
(00) NP lapsed

(11) 2016032
(00) 01.01.2019
(00) NP lapsed

(11) 2016033
(00) 01.01.2019
(00) NP lapsed

(11) 2016035
(00) 01.01.2019
(00) NP lapsed

(11) 2016036
(00) 01.01.2019
(00) NP lapsed

(11) 2016051
(00) 01.01.2019
(00) NP lapsed

(11) 2016053
(00) 01.01.2019
(00) NP lapsed

(11) 2016054
(00) 01.01.2019
(00) NP lapsed

(11) 2022007
(00) 02.08.2019
(00) Application Withdrawn

(11) EP0976335
(00) 02.08.2019

(00) Patent Expired

(11) EP0978624
(00) 05.08.2019
(00) Patent Expired

(11) EP0978749
(00) 05.08.2019
(00) Patent Expired

(11) EP0978750
(00) 05.08.2019
(00) Patent Expired

(11) EP0978994
(00) 05.08.2019
(00) Patent Expired

(11) EP0979606
(00) 04.08.2019
(00) Patent Expired

(11) EP0980155
(00) 06.08.2019
(00) Patent Expired

(11) EP0980881
(00) 04.08.2019
(00) Patent Expired

(11) EP0981261
(00) 04.08.2019
(00) Patent Expired

(11) EP0983753
(00) 02.08.2019
(00) Patent Expired

(11) EP0987233
(00) 04.08.2019
(00) Patent Expired

(11) EP0997904
(00) 06.08.2019
(00) Patent Expired

(11) EP1006255
(00) 01.01.2019
(00) EPV lapsed

(11) EP1008595
(00) 01.01.2019
(00) EPV lapsed

(11) EP1013453
(00) 01.01.2019
(00) EPV lapsed

(11) EP1013544
(00) 01.01.2019
(00) EPV lapsed

(11) EP1013691
(00) 01.01.2019
(00) EPV lapsed

(11) EP1013780
(00) 01.01.2019
(00) EPV lapsed

(11) EP1014197
(00) 01.01.2019
(00) EPV lapsed

(11) EP1014408
(00) 01.01.2019
(00) EPV lapsed

(11) EP1016694
(00) 01.01.2019
(00) EPV lapsed

(11) EP1024179
(00) 01.01.2019
(00) EPV lapsed

(11) EP1031674
(00) 01.01.2019

(00) EPV lapsed

(11) EP1044096
(00) 06.08.2019
(00) Patent Expired

(11) EP1052500
(00) 07.08.2019
(00) Patent Expired

(11) EP1058579
(00) 01.01.2019
(00) EPV lapsed

(11) EP1058800
(00) 01.01.2019
(00) EPV lapsed

(11) EP1069158
(00) 01.01.2019
(00) EPV lapsed

(11) EP1080275
(00) 03.08.2019
(00) Patent Expired

(11) EP1100474
(00) 03.08.2019
(00) Patent Expired

(11) EP1100587
(00) 06.08.2019
(00) Patent Expired

(11) EP1100942
(00) 02.08.2019
(00) Patent Expired

(11) EP1102579
(00) 02.08.2019
(00) Patent Expired

(11) EP1102610
(00) 06.08.2019
(00) Patent Expired

(11) EP1102611
(00) 06.08.2019
(00) Patent Expired

(11) EP1102709
(00) 04.08.2019
(00) Patent Expired

(11) EP1102970
(00) 06.08.2019
(00) Patent Expired

(11) EP1104306
(00) 06.08.2019
(00) Patent Expired

(11) EP1104369
(00) 07.08.2019
(00) Patent Expired

(11) EP1104546
(00) 06.08.2019
(00) Patent Expired

(11) EP1105122
(00) 02.08.2019
(00) Patent Expired

(11) EP1105123
(00) 06.08.2019
(00) Patent Expired

(11) EP1105141
(00) 06.08.2019
(00) Patent Expired

(11) EP1105855
(00) 05.08.2019
(00) Patent Expired

(11) EP1106172
(00) 01.01.2019

(00) EPV lapsed

(11) EP1107038
(00) 01.01.2019
(00) EPV lapsed

(11) EP1108362
(00) 01.01.2019
(00) EPV lapsed

(11) EP1108609
(00) 01.01.2019
(00) EPV lapsed

(11) EP1108743
(00) 01.01.2019
(00) EPV lapsed

(11) EP1108896
(00) 01.01.2019
(00) EPV lapsed

(11) EP1109861
(00) 04.08.2019
(00) Patent Expired

(11) EP1109881
(00) 04.08.2019
(00) Patent Expired

(11) EP1110855
(00) 01.01.2019
(00) EPV lapsed

(11) EP1111124
(00) 01.01.2019
(00) EPV lapsed

(11) EP1111750
(00) 01.01.2019
(00) EPV lapsed

(11) EP1112247
(00) 06.08.2019
(00) Patent Expired

(11) EP1113027
(00) 01.01.2019
(00) EPV lapsed

(11) EP1114833
(00) 01.01.2019
(00) EPV lapsed

(11) EP1116752
(00) 05.08.2019
(00) Patent Expired

(11) EP1117746
(00) 06.08.2019
(00) Patent Expired

(11) EP1119178
(00) 01.01.2019
(00) EPV lapsed

(11) EP1135661
(00) 01.01.2019
(00) EPV lapsed

(11) EP1137489
(00) 01.01.2019
(00) EPV lapsed

(11) EP1137533
(00) 01.01.2019
(00) EPV lapsed

(11) EP1137761
(00) 01.01.2019
(00) EPV lapsed

(11) EP1137766
(00) 01.01.2019
(00) EPV lapsed

(11) EP1139884
(00) 01.01.2019

(00) EPV lapsed

(11) EP1139906
(00) 01.01.2019
(00) EPV lapsed

(11) EP1140014
(00) 01.01.2019
(00) EPV lapsed

(11) EP1140279
(00) 01.01.2019
(00) EPV lapsed

(11) EP1140381
(00) 01.01.2019
(00) EPV lapsed

(11) EP1140747
(00) 01.01.2019
(00) EPV lapsed

(11) EP1140915
(00) 01.01.2019
(00) EPV lapsed

(11) EP1141143
(00) 06.08.2019
(00) Patent Expired

(11) EP1141160
(00) 01.01.2019
(00) EPV lapsed

(11) EP1141306
(00) 01.01.2019
(00) EPV lapsed

(11) EP1141493
(00) 01.01.2019
(00) EPV lapsed

(11) EP1141499
(00) 01.01.2019
(00) EPV lapsed

(11) EP1141543
(00) 01.01.2019
(00) EPV lapsed

(11) EP1141754
(00) 01.01.2019
(00) EPV lapsed

(11) EP1143536
(00) 01.01.2019
(00) EPV lapsed

(11) EP1144116
(00) 01.01.2019
(00) EPV lapsed

(11) EP1144764
(00) 01.01.2019
(00) EPV lapsed

(11) EP1144774
(00) 01.01.2019
(00) EPV lapsed

(11) EP1145189
(00) 05.08.2019
(00) Patent Expired

(11) EP1146919
(00) 01.01.2019
(00) EPV lapsed

(11) EP1147115
(00) 01.01.2019
(00) EPV lapsed

(11) EP1147866
(00) 01.01.2019
(00) EPV lapsed

(11) EP1148788
(00) 01.01.2019

(00) EPV lapsed

(11) EP1149119
(00) 01.01.2019
(00) EPV lapsed

(11) EP1152414
(00) 06.08.2019
(00) Patent Expired

(11) EP1153078
(00) 01.01.2019
(00) EPV lapsed

(11) EP1155059
(00) 01.01.2019
(00) EPV lapsed

(11) EP1155297
(00) 01.01.2019
(00) EPV lapsed

(11) EP1159341
(00) 01.01.2019
(00) EPV lapsed

(11) EP1166425
(00) 01.01.2019
(00) EPV lapsed

(11) EP1180282
(00) 01.01.2019
(00) EPV lapsed

(11) EP1192193
(00) 06.08.2019
(00) Patent Expired

(11) EP1204269
(00) 05.08.2019
(00) Patent Expired

(11) EP1204271
(00) 05.08.2019
(00) Patent Expired

(11) EP1207870
(00) 06.08.2019
(00) Patent Expired

(11) EP1213445
(00) 01.01.2019
(00) EPV lapsed

(11) EP1216827
(00) 01.01.2019
(00) EPV lapsed

(11) EP1216915
(00) 01.01.2019
(00) EPV lapsed

(11) EP1217011
(00) 01.01.2019
(00) EPV lapsed

(11) EP1219443
(00) 01.01.2019
(00) EPV lapsed

(11) EP1219980
(00) 01.01.2019
(00) EPV lapsed

(11) EP1220094
(00) 01.01.2019
(00) EPV lapsed

(11) EP1221740
(00) 01.01.2019
(00) EPV lapsed

(11) EP1222909
(00) 01.01.2019
(00) EPV lapsed

(11) EP1223065
(00) 01.01.2019

(00) EPV lapsed

(11) EP1225744
(00) 01.01.2019
(00) EPV lapsed

(11) EP1225745
(00) 01.01.2019
(00) EPV lapsed

(11) EP1226829
(00) 01.01.2019
(00) EPV lapsed

(11) EP1227005
(00) 01.01.2019
(00) EPV lapsed

(11) EP1231344
(00) 01.01.2019
(00) EPV lapsed

(11) EP1231356
(00) 01.01.2019
(00) EPV lapsed

(11) EP1231530
(00) 01.01.2019
(00) EPV lapsed

(11) EP1234818
(00) 01.01.2019
(00) EPV lapsed

(11) EP1235940
(00) 01.01.2019
(00) EPV lapsed

(11) EP1237612
(00) 01.01.2019
(00) EPV lapsed

(11) EP1237677
(00) 01.01.2019
(00) EPV lapsed

(11) EP1238513
(00) 01.01.2019
(00) EPV lapsed

(11) EP1238530
(00) 01.01.2019
(00) EPV lapsed

(11) EP1239722
(00) 01.01.2019
(00) EPV lapsed

(11) EP1239907
(00) 01.01.2019
(00) EPV lapsed

(11) EP1239909
(00) 01.01.2019
(00) EPV lapsed

(11) EP1239972
(00) 01.01.2019
(00) EPV lapsed

(11) EP1240142
(00) 01.01.2019
(00) EPV lapsed

(11) EP1240723
(00) 01.01.2019
(00) EPV lapsed

(11) EP1242345
(00) 01.01.2019
(00) EPV lapsed

(11) EP1242452
(00) 01.01.2019
(00) EPV lapsed

(11) EP1242782
(00) 01.01.2019

(00) EPV lapsed

(11) EP1242807
(00) 01.01.2019
(00) EPV lapsed

(11) EP1242854
(00) 01.01.2019
(00) EPV lapsed

(11) EP1242855
(00) 01.01.2019
(00) EPV lapsed

(11) EP1244873
(00) 01.01.2019
(00) EPV lapsed

(11) EP1250337
(00) 01.01.2019
(00) EPV lapsed

(11) EP1252167
(00) 01.01.2019
(00) EPV lapsed

(11) EP1255487
(00) 01.01.2019
(00) EPV lapsed

(11) EP1257734
(00) 01.01.2019
(00) EPV lapsed

(11) EP1260665
(00) 01.01.2019
(00) EPV lapsed

(11) EP1263487
(00) 01.01.2019
(00) EPV lapsed

(11) EP1264153
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1309412
(00) 01.01.2019
(00) EPV lapsed

(11) EP1309663
(00) 01.01.2019
(00) EPV lapsed

(11) EP1316361
(00) 01.01.2019
(00) EPV lapsed

(11) EP1319495
(00) 01.01.2019
(00) EPV lapsed

(11) EP1320047
(00) 01.01.2019
(00) EPV lapsed

(11) EP1321221
(00) 01.01.2019
(00) EPV lapsed

(11) EP1321288
(00) 01.01.2019
(00) EPV lapsed

(11) EP1321580
(00) 01.01.2019
(00) EPV lapsed

(11) EP1323485
(00) 01.01.2019
(00) EPV lapsed

(11) EP1324511
(00) 01.01.2019
(00) EPV lapsed

(11) EP1326807
(00) 01.01.2019

(00) EPV lapsed

(11) EP1327400
(00) 01.01.2019
(00) EPV lapsed

(11) EP1329495
(00) 04.08.2019
(00) Patent Expired

(11) EP1337210
(00) 01.01.2019
(00) EPV lapsed

(11) EP1337293
(00) 01.01.2019
(00) EPV lapsed

(11) EP1339032
(00) 05.08.2019
(00) Patent Expired

(11) EP1339296
(00) 01.01.2019
(00) EPV lapsed

(11) EP1339628
(00) 01.01.2019
(00) EPV lapsed

(11) EP1340198
(00) 01.01.2019
(00) EPV lapsed

(11) EP1341565
(00) 01.01.2019
(00) EPV lapsed

(11) EP1342325
(00) 01.01.2019
(00) EPV lapsed

(11) EP1342421
(00) 01.01.2019
(00) EPV lapsed

(11) EP1343605
(00) 01.01.2019
(00) EPV lapsed

(11) EP1343632
(00) 01.01.2019
(00) EPV lapsed

(11) EP1343639
(00) 01.01.2019
(00) EPV lapsed

(11) EP1343725
(00) 01.01.2019
(00) EPV lapsed

(11) EP1343755
(00) 01.01.2019
(00) EPV lapsed

(11) EP1345535
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1345542
(00) 01.01.2019
(00) EPV lapsed

(11) EP1345594
(00) 01.01.2019
(00) EPV lapsed

(11) EP1345605
(00) 01.01.2019
(00) EPV lapsed

(11) EP1345635
(00) 01.01.2019
(00) EPV lapsed

(11) EP1345977
(00) 01.01.2019

(00) EPV lapsed

(11) EP1347705
(00) 01.01.2019
(00) EPV lapsed

(11) EP1347798
(00) 01.01.2019
(00) EPV lapsed

(11) EP1347799
(00) 01.01.2019
(00) EPV lapsed

(11) EP1347930
(00) 01.01.2019
(00) EPV lapsed

(11) EP1347931
(00) 01.01.2019
(00) EPV lapsed

(11) EP1351702
(00) 01.01.2019
(00) EPV lapsed

(11) EP1352681
(00) 01.01.2019
(00) EPV lapsed

(11) EP1353241
(00) 01.01.2019
(00) EPV lapsed

(11) EP1353994
(00) 01.01.2019
(00) EPV lapsed

(11) EP1357787
(00) 01.01.2019
(00) EPV lapsed

(11) EP1357857
(00) 01.01.2019
(00) EPV lapsed

(11) EP1358618
(00) 01.01.2019
(00) EPV lapsed

(11) EP1366161
(00) 01.01.2019
(00) EPV lapsed

(11) EP1366243
(00) 01.01.2019
(00) EPV lapsed

(11) EP1369984
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1376728
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1381355
(00) 01.01.2019
(00) EPV lapsed

(11) EP1384553
(00) 01.01.2019
(00) EPV lapsed

(11) EP1385993
(00) 01.01.2019
(00) EPV lapsed

(11) EP1392450
(00) 01.01.2019
(00) EPV lapsed

(11) EP1406922
(00) 01.01.2019
(00) EPV lapsed

(11) EP1410170
(00) 01.01.2019

(00) EPV lapsed

(11) EP1423688
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1429395
(00) 01.01.2019
(00) EPV lapsed

(11) EP1430822
(00) 01.01.2019
(00) EPV lapsed

(11) EP1430825
(00) 01.01.2019
(00) EPV lapsed

(11) EP1431193
(00) 01.01.2019
(00) EPV lapsed

(11) EP1433835
(00) 01.01.2019
(00) EPV lapsed

(11) EP1433836
(00) 01.01.2019
(00) EPV lapsed

(11) EP1437080
(00) 01.01.2019
(00) EPV lapsed

(11) EP1437478
(00) 01.01.2019
(00) EPV lapsed

(11) EP1439033
(00) 01.01.2019
(00) EPV lapsed

(11) EP1445493
(00) 01.01.2019
(00) EPV lapsed

(11) EP1450519
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1450624
(00) 01.01.2019
(00) EPV lapsed

(11) EP1451059
(00) 01.01.2019
(00) EPV lapsed

(11) EP1451433
(00) 01.01.2019
(00) EPV lapsed

(11) EP1451847
(00) 01.01.2019
(00) EPV lapsed

(11) EP1451919
(00) 01.01.2019
(00) EPV lapsed

(11) EP1452025
(00) 01.01.2019
(00) EPV lapsed

(11) EP1452537
(00) 01.01.2019
(00) EPV lapsed

(11) EP1453429
(00) 01.01.2019
(00) EPV lapsed

(11) EP1454132
(00) 01.01.2019
(00) EPV lapsed

(11) EP1454137
(00) 01.01.2019

(00) EPV lapsed

(11) EP1454166
(00) 01.01.2019
(00) EPV lapsed

(11) EP1454303
(00) 01.01.2019
(00) EPV lapsed

(11) EP1454308
(00) 01.01.2019
(00) EPV lapsed

(11) EP1454734
(00) 01.01.2019
(00) EPV lapsed

(11) EP1455581
(00) 01.01.2019
(00) EPV lapsed

(11) EP1455695
(00) 01.01.2019
(00) EPV lapsed

(11) EP1455945
(00) 01.01.2019
(00) EPV lapsed

(11) EP1456121
(00) 01.01.2019
(00) EPV lapsed

(11) EP1456122
(00) 01.01.2019
(00) EPV lapsed

(11) EP1456600
(00) 01.01.2019
(00) EPV lapsed

(11) EP1456810
(00) 01.01.2019
(00) EPV lapsed

(11) EP1458422
(00) 01.01.2019
(00) EPV lapsed

(11) EP1458481
(00) 01.01.2019
(00) EPV lapsed

(11) EP1458490
(00) 01.01.2019
(00) EPV lapsed

(11) EP1458732
(00) 01.01.2019
(00) EPV lapsed

(11) EP1458783
(00) 01.01.2019
(00) EPV lapsed

(11) EP1458813
(00) 01.01.2019
(00) EPV lapsed

(11) EP1458861
(00) 01.01.2019
(00) EPV lapsed

(11) EP1459065
(00) 01.01.2019
(00) EPV lapsed

(11) EP1459268
(00) 01.01.2019
(00) EPV lapsed

(11) EP1460278
(00) 01.01.2019
(00) EPV lapsed

(11) EP1461782
(00) 01.01.2019

(00) EPV lapsed

(11) EP1461784
(00) 01.01.2019
(00) EPV lapsed

(11) EP1461821
(00) 01.01.2019
(00) EPV lapsed

(11) EP1463227
(00) 01.01.2019
(00) EPV lapsed

(11) EP1463493
(00) 01.01.2019
(00) EPV lapsed

(11) EP1466002
(00) 01.01.2019
(00) EPV lapsed

(11) EP1466089
(00) 01.01.2019
(00) EPV lapsed

(11) EP1466095
(00) 01.01.2019
(00) EPV lapsed

(11) EP1468008
(00) 01.01.2019
(00) EPV lapsed

(11) EP1468114
(00) 01.01.2019
(00) EPV lapsed

(11) EP1468705
(00) 01.01.2019
(00) EPV lapsed

(11) EP1469858
(00) 01.01.2019
(00) EPV lapsed

(11) EP1470437
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1473093
(00) 01.01.2019
(00) EPV lapsed

(11) EP1474486
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1480708
(00) 01.01.2019
(00) EPV lapsed

(11) EP1480953
(00) 01.01.2019
(00) EPV lapsed

(11) EP1502128
(00) 01.01.2019
(00) EPV lapsed

(11) EP1503307
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1505341
(00) 02.08.2019
(00) Patent Expired

(11) EP1510651
(00) 01.01.2019
(00) EPV lapsed

(11) EP1515213
(00) 01.01.2019
(00) EPV lapsed

(11) EP1515214
(00) 01.01.2019

(00) EPV lapsed

(11) EP1535179
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1538784
(00) 01.01.2019
(00) EPV lapsed

(11) EP1541008
(00) 01.01.2019
(00) EPV lapsed

(11) EP1541064
(00) 01.01.2019
(00) EPV lapsed

(11) EP1541124
(00) 01.01.2019
(00) EPV lapsed

(11) EP1541517
(00) 01.01.2019
(00) EPV lapsed

(11) EP1542334
(00) 01.01.2019
(00) EPV lapsed

(11) EP1543846
(00) 01.01.2019
(00) EPV lapsed

(11) EP1544030
(00) 01.01.2019
(00) EPV lapsed

(11) EP1544127
(00) 01.01.2019
(00) EPV lapsed

(11) EP1544230
(00) 01.01.2019
(00) EPV lapsed

(11) EP1544289
(00) 01.01.2019
(00) EPV lapsed

(11) EP1547500
(00) 01.01.2019
(00) EPV lapsed

(11) EP1547530
(00) 01.01.2019
(00) EPV lapsed

(11) EP1547652
(00) 01.01.2019
(00) EPV lapsed

(11) EP1548522
(00) 01.01.2019
(00) EPV lapsed

(11) EP1551192
(00) 01.01.2019
(00) EPV lapsed

(11) EP1553108
(00) 01.01.2019
(00) EPV lapsed

(11) EP1555095
(00) 01.01.2019
(00) EPV lapsed

(11) EP1555362
(00) 01.01.2019
(00) EPV lapsed

(11) EP1555381
(00) 01.01.2019
(00) EPV lapsed

(11) EP1559384
(00) 01.01.2019

(00) EPV lapsed

(11) EP1567490
(00) 01.01.2019
(00) EPV lapsed

(11) EP1568701
(00) 01.01.2019
(00) EPV lapsed

(11) EP1569657
(00) 01.01.2019
(00) EPV lapsed

(11) EP1569672
(00) 01.01.2019
(00) EPV lapsed

(11) EP1570036
(00) 01.01.2019
(00) EPV lapsed

(11) EP1570118
(00) 01.01.2019
(00) EPV lapsed

(11) EP1570556
(00) 01.01.2019
(00) EPV lapsed

(11) EP1571905
(00) 01.01.2019
(00) EPV lapsed

(11) EP1572133
(00) 01.01.2019
(00) EPV lapsed

(11) EP1572167
(00) 01.01.2019
(00) EPV lapsed

(11) EP1572215
(00) 01.01.2019
(00) EPV lapsed

(11) EP1572463
(00) 01.01.2019
(00) EPV lapsed

(11) EP1572593
(00) 01.01.2019
(00) EPV lapsed

(11) EP1573305
(00) 01.01.2019
(00) EPV lapsed

(11) EP1574473
(00) 01.01.2019
(00) EPV lapsed

(11) EP1574558
(00) 01.01.2019
(00) EPV lapsed

(11) EP1575366
(00) 01.01.2019
(00) EPV lapsed

(11) EP1575451
(00) 01.01.2019
(00) EPV lapsed

(11) EP1575596
(00) 01.01.2019
(00) EPV lapsed

(11) EP1575664
(00) 01.01.2019
(00) EPV lapsed

(11) EP1576818
(00) 01.01.2019
(00) EPV lapsed

(11) EP1576820
(00) 01.01.2019

(00) EPV lapsed

(11) EP1576898
(00) 01.01.2019
(00) EPV lapsed

(11) EP1578710
(00) 01.01.2019
(00) EPV lapsed

(11) EP1578746
(00) 01.01.2019
(00) EPV lapsed

(11) EP1579133
(00) 01.01.2019
(00) EPV lapsed

(11) EP1580466
(00) 01.01.2019
(00) EPV lapsed

(11) EP1581277
(00) 01.01.2019
(00) EPV lapsed

(11) EP1581706
(00) 01.01.2019
(00) EPV lapsed

(11) EP1581714
(00) 01.01.2019
(00) EPV lapsed

(11) EP1581715
(00) 01.01.2019
(00) EPV lapsed

(11) EP1581843
(00) 01.01.2019
(00) EPV lapsed

(11) EP1581955
(00) 01.01.2019
(00) EPV lapsed

(11) EP1583061
(00) 01.01.2019
(00) EPV lapsed

(11) EP1583620
(00) 01.01.2019
(00) EPV lapsed

(11) EP1583621
(00) 01.01.2019
(00) EPV lapsed

(11) EP1584079
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1584823
(00) 01.01.2019
(00) EPV lapsed

(11) EP1585483
(00) 01.01.2019
(00) EPV lapsed

(11) EP1585739
(00) 01.01.2019
(00) EPV lapsed

(11) EP1585856
(00) 01.01.2019
(00) EPV lapsed

(11) EP1587663
(00) 01.01.2019
(00) EPV lapsed

(11) EP1588020
(00) 01.01.2019
(00) EPV lapsed

(11) EP1588332
(00) 01.01.2019

(00) EPV lapsed

(11) EP1588633
(00) 01.01.2019
(00) EPV lapsed

(11) EP1590144
(00) 01.01.2019
(00) EPV lapsed

(11) EP1590618
(00) 01.01.2019
(00) EPV lapsed

(11) EP1591027
(00) 01.01.2019
(00) EPV lapsed

(11) EP1595076
(00) 07.06.2019
(00) European Patent got Revoked

(11) EP1596701
(00) 01.01.2019
(00) EPV lapsed

(11) EP1597892
(00) 01.01.2019
(00) EPV lapsed

(11) EP1599931
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1600781
(00) 01.01.2019
(00) EPV lapsed

(11) EP1601030
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1602026
(00) 01.01.2019
(00) EPV lapsed

(11) EP1602769
(00) 01.01.2019
(00) EPV lapsed

(11) EP1604913
(00) 01.01.2019
(00) EPV lapsed

(11) EP1622772
(00) 01.01.2019
(00) EPV lapsed

(11) EP1624002
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1632275
(00) 01.01.2019
(00) EPV lapsed

(11) EP1637610
(00) 01.01.2019
(00) EPV lapsed

(11) EP1649576
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1656897
(00) 01.01.2019
(00) EPV lapsed

(11) EP1659881
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1661170
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1664348
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP1665959
(00) 01.01.2019
(00) EPV lapsed

(11) EP1667370
(00) 01.01.2019
(00) EPV lapsed

(11) EP1669792
(00) 01.01.2019
(00) EPV lapsed

(11) EP1674278
(00) 01.01.2019
(00) EPV lapsed

(11) EP1674280
(00) 01.01.2019
(00) EPV lapsed

(11) EP1676543
(00) 01.01.2019
(00) EPV lapsed

(11) EP1676595
(00) 01.01.2019
(00) EPV lapsed

(11) EP1676706
(00) 01.01.2019
(00) EPV lapsed

(11) EP1676711
(00) 01.01.2019
(00) EPV lapsed

(11) EP1676941
(00) 01.01.2019
(00) EPV lapsed

(11) EP1676949
(00) 01.01.2019
(00) EPV lapsed

(11) EP1677182
(00) 01.01.2019
(00) EPV lapsed

(11) EP1678481
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1679878
(00) 01.01.2019
(00) EPV lapsed

(11) EP1681239
(00) 01.01.2019
(00) EPV lapsed

(11) EP1683351
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1684274
(00) 01.01.2019
(00) EPV lapsed

(11) EP1688963
(00) 01.01.2019
(00) EPV lapsed

(11) EP1689237
(00) 01.01.2019
(00) EPV lapsed

(11) EP1689373
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1689919
(00) 01.01.2019
(00) EPV lapsed

(11) EP1691128
(00) 01.01.2019

(00) EPV lapsed

(11) EP1691837
(00) 01.01.2019
(00) EPV lapsed

(11) EP1692071
(00) 01.01.2019
(00) EPV lapsed

(11) EP1692092
(00) 01.01.2019
(00) EPV lapsed

(11) EP1692580
(00) 01.01.2019
(00) EPV lapsed

(11) EP1694566
(00) 01.01.2019
(00) EPV lapsed

(11) EP1694625
(00) 01.01.2019
(00) EPV lapsed

(11) EP1695111
(00) 01.01.2019
(00) EPV lapsed

(11) EP1696965
(00) 01.01.2019
(00) EPV lapsed

(11) EP1697379
(00) 01.01.2019
(00) EPV lapsed

(11) EP1697421
(00) 01.01.2019
(00) EPV lapsed

(11) EP1697723
(00) 01.01.2019
(00) EPV lapsed

(11) EP1698061
(00) 01.01.2019
(00) EPV lapsed

(11) EP1699302
(00) 01.01.2019
(00) EPV lapsed

(11) EP1699545
(00) 01.01.2019
(00) EPV lapsed

(11) EP1699550
(00) 01.01.2019
(00) EPV lapsed

(11) EP1699720
(00) 01.01.2019
(00) EPV lapsed

(11) EP1699732
(00) 01.01.2019
(00) EPV lapsed

(11) EP1700312
(00) 01.01.2019
(00) EPV lapsed

(11) EP1701738
(00) 01.01.2019
(00) EPV lapsed

(11) EP1701745
(00) 01.01.2019
(00) EPV lapsed

(11) EP1702253
(00) 01.01.2019
(00) EPV lapsed

(11) EP1702338
(00) 01.01.2019

(00) EPV lapsed

(11) EP1703292
(00) 01.01.2019
(00) EPV lapsed

(11) EP1703885
(00) 01.01.2019
(00) EPV lapsed

(11) EP1703922
(00) 01.01.2019
(00) EPV lapsed

(11) EP1704691
(00) 01.01.2019
(00) EPV lapsed

(11) EP1706357
(00) 01.01.2019
(00) EPV lapsed

(11) EP1709064
(00) 01.01.2019
(00) EPV lapsed

(11) EP1711185
(00) 01.01.2019
(00) EPV lapsed

(11) EP1711982
(00) 01.01.2019
(00) EPV lapsed

(11) EP1714448
(00) 01.01.2019
(00) EPV lapsed

(11) EP1715909
(00) 01.01.2019
(00) EPV lapsed

(11) EP1722962
(00) 01.01.2019
(00) EPV lapsed

(11) EP1725567
(00) 01.01.2019
(00) EPV lapsed

(11) EP1736812
(00) 01.01.2019
(00) EPV lapsed

(11) EP1741119
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1749858
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1754669
(00) 01.01.2019
(00) EPV lapsed

(11) EP1756173
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1759678
(00) 01.01.2019
(00) EPV lapsed

(11) EP1761364
(00) 01.01.2019
(00) EPV lapsed

(11) EP1766336
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1766857
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1770591
(00) 05.08.2019

(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1770870	(11) EP1804009	(11) EP1827333
(00) 03.04.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1774742	(11) EP1804325	(11) EP1827591
(00) 03.04.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1781802	(11) EP1804462	(11) EP1827601
(00) 14.03.2019	(00) 01.01.2019	(00) 01.01.2019
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP1782388	(11) EP1810784	(11) EP1828083
(00) 03.04.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1784539	(11) EP1810791	(11) EP1828449
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1787379	(11) EP1813787	(11) EP1828649
(00) 03.04.2019	(00) 03.04.2019	(00) 01.01.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1792843	(11) EP1815871	(11) EP1828678
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1795937	(11) EP1816955	(11) EP1829047
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1797755	(11) EP1817156	(11) EP1829223
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1798149	(11) EP1817985	(11) EP1829240
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1798352	(11) EP1819245	(11) EP1829408
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1798905	(11) EP1819704	(11) EP1829438
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1798971	(11) EP1819862	(11) EP1829943
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1800567	(11) EP1819882	(11) EP1830639
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1800617	(11) EP1824339	(11) EP1830730
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1800978	(11) EP1824874	(11) EP1830806
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1801314	(11) EP1824876	(11) EP1830951
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1801977	(11) EP1825081	(11) EP1831099
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1803501	(11) EP1825104	(11) EP1831221
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1803647	(11) EP1825186	(11) EP1831242
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1803648	(11) EP1826141	(11) EP1831844
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1803879	(11) EP1826934	(11) EP1831916
(00) 01.01.2019	(00) 01.01.2019	(00) 01.01.2019

(00) EPV lapsed

(11) EP1833465
(00) 01.01.2019
(00) EPV lapsed

(11) EP1833897
(00) 01.01.2019
(00) EPV lapsed

(11) EP1834105
(00) 01.01.2019
(00) EPV lapsed

(11) EP1834427
(00) 01.01.2019
(00) EPV lapsed

(11) EP1834498
(00) 01.01.2019
(00) EPV lapsed

(11) EP1835985
(00) 01.01.2019
(00) EPV lapsed

(11) EP1836100
(00) 01.01.2019
(00) EPV lapsed

(11) EP1836115
(00) 01.01.2019
(00) EPV lapsed

(11) EP1836145
(00) 01.01.2019
(00) EPV lapsed

(11) EP1836269
(00) 01.01.2019
(00) EPV lapsed

(11) EP1836356
(00) 01.01.2019
(00) EPV lapsed

(11) EP1838849
(00) 01.01.2019
(00) EPV lapsed

(11) EP1840121
(00) 01.01.2019
(00) EPV lapsed

(11) EP1841683
(00) 01.01.2019
(00) EPV lapsed

(11) EP1841757
(00) 01.01.2019
(00) EPV lapsed

(11) EP1842232
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1843989
(00) 01.01.2019
(00) EPV lapsed

(11) EP1845304
(00) 01.01.2019
(00) EPV lapsed

(11) EP1845903
(00) 01.01.2019
(00) EPV lapsed

(11) EP1846082
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1846104
(00) 01.01.2019
(00) EPV lapsed

(11) EP1846317
(00) 01.01.2019

(00) EPV lapsed

(11) EP1859831
(00) 01.01.2019
(00) EPV lapsed

(11) EP1865053
(00) 01.01.2019
(00) EPV lapsed

(11) EP1866742
(00) 01.01.2019
(00) EPV lapsed

(11) EP1866796
(00) 01.01.2019
(00) EPV lapsed

(11) EP1870368
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1877419
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1878347
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1878421
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1880654
(00) 01.01.2019
(00) EPV lapsed

(11) EP1880739
(00) 01.01.2019
(00) EPV lapsed

(11) EP1887030
(00) 01.01.2019
(00) EPV lapsed

(11) EP1889014
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1894600
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1899800
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1901251
(00) 05.08.2019
(00) Patent Expired

(11) EP1908463
(00) 01.01.2019
(00) EPV lapsed

(11) EP1910266
(00) 01.01.2019
(00) EPV lapsed

(11) EP1912786
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1913951
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1919692
(00) 01.01.2019
(00) EPV lapsed

(11) EP1926753
(00) 01.01.2019
(00) EPV lapsed

(11) EP1930991
(00) 01.01.2019

(00) EPV lapsed

(11) EP1932187
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1932599
(00) 01.01.2019
(00) EPV lapsed

(11) EP1933001
(00) 01.01.2019
(00) EPV lapsed

(11) EP1936047
(00) 01.01.2019
(00) EPV lapsed

(11) EP1936084
(00) 01.01.2019
(00) EPV lapsed

(11) EP1936239
(00) 01.01.2019
(00) EPV lapsed

(11) EP1936583
(00) 01.01.2019
(00) EPV lapsed

(11) EP1936922
(00) 01.01.2019
(00) EPV lapsed

(11) EP1938962
(00) 01.01.2019
(00) EPV lapsed

(11) EP1939491
(00) 01.01.2019
(00) EPV lapsed

(11) EP1942500
(00) 01.01.2019
(00) EPV lapsed

(11) EP1942582
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1944848
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1946830
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1948391
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1950043
(00) 01.01.2019
(00) EPV lapsed

(11) EP1950686
(00) 05.08.2019
(00) Patent Expired

(11) EP1950980
(00) 01.01.2019
(00) EPV lapsed

(11) EP1951380
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1954672
(00) 01.01.2019
(00) EPV lapsed

(11) EP1955447
(00) 01.01.2019
(00) EPV lapsed

(11) EP1957378
(00) 01.01.2019

(00) EPV lapsed

(11) EP1957824
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1958924
(00) 01.01.2019
(00) EPV lapsed

(11) EP1959185
(00) 01.01.2019
(00) EPV lapsed

(11) EP1959787
(00) 01.01.2019
(00) EPV lapsed

(11) EP1959805
(00) 01.01.2019
(00) EPV lapsed

(11) EP1959957
(00) 01.01.2019
(00) EPV lapsed

(11) EP1960432
(00) 01.01.2019
(00) EPV lapsed

(11) EP1961145
(00) 01.01.2019
(00) EPV lapsed

(11) EP1961940
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1962723
(00) 01.01.2019
(00) EPV lapsed

(11) EP1962895
(00) 01.01.2019
(00) EPV lapsed

(11) EP1962946
(00) 01.01.2019
(00) EPV lapsed

(11) EP1963009
(00) 01.01.2019
(00) EPV lapsed

(11) EP1963386
(00) 01.01.2019
(00) EPV lapsed

(11) EP1963612
(00) 01.01.2019
(00) EPV lapsed

(11) EP1963748
(00) 01.01.2019
(00) EPV lapsed

(11) EP1963773
(00) 01.01.2019
(00) EPV lapsed

(11) EP1963882
(00) 01.01.2019
(00) EPV lapsed

(11) EP1963941
(00) 01.01.2019
(00) EPV lapsed

(11) EP1965657
(00) 01.01.2019
(00) EPV lapsed

(11) EP1965775
(00) 01.01.2019
(00) EPV lapsed

(11) EP1966371
(00) 01.01.2019

(00) EPV lapsed

(11) EP1967030
(00) 01.01.2019
(00) EPV lapsed

(11) EP1968055
(00) 01.01.2019
(00) EPV lapsed

(11) EP1968900
(00) 01.01.2019
(00) EPV lapsed

(11) EP1968944
(00) 01.01.2019
(00) EPV lapsed

(11) EP1968990
(00) 01.01.2019
(00) EPV lapsed

(11) EP1969290
(00) 01.01.2019
(00) EPV lapsed

(11) EP1969624
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1969686
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1970080
(00) 01.01.2019
(00) EPV lapsed

(11) EP1971565
(00) 01.01.2019
(00) EPV lapsed

(11) EP1971705
(00) 01.01.2019
(00) EPV lapsed

(11) EP1973483
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1973514
(00) 01.01.2019
(00) EPV lapsed

(11) EP1973846
(00) 01.01.2019
(00) EPV lapsed

(11) EP1973865
(00) 01.01.2019
(00) EPV lapsed

(11) EP1973884
(00) 01.01.2019
(00) EPV lapsed

(11) EP1974028
(00) 01.01.2019
(00) EPV lapsed

(11) EP1974480
(00) 01.01.2019
(00) EPV lapsed

(11) EP1975575
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1976438
(00) 01.01.2019
(00) EPV lapsed

(11) EP1976985
(00) 01.01.2019
(00) EPV lapsed

(11) EP1979260
(00) 01.01.2019

(00) EPV lapsed

(11) EP1979264
(00) 01.01.2019
(00) EPV lapsed

(11) EP1981263
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1981385
(00) 01.01.2019
(00) EPV lapsed

(11) EP1982246
(00) 01.01.2019
(00) EPV lapsed

(11) EP1989004
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1991237
(00) 01.01.2019
(00) EPV lapsed

(11) EP1994269
(00) 01.01.2019
(00) EPV lapsed

(11) EP1995254
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP1997597
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2002243
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2010189
(00) 04.04.2019
(00) European Patent got Revoked

(11) EP2018515
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2031174
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2037221
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2038232
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2038382
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2042040
(00) 01.01.2019
(00) EPV lapsed

(11) EP2048483
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2049695
(00) 01.01.2019
(00) EPV lapsed

(11) EP2057023
(00) 01.01.2019
(00) EPV lapsed

(11) EP2057818
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2058028
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2060026
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2063973
(00) 17.06.2019
(00) European Patent got Revoked

(11) EP2064796
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2067823
(00) 01.01.2019
(00) EPV lapsed

(11) EP2067901
(00) 01.01.2019
(00) EPV lapsed

(11) EP2067930
(00) 01.01.2019
(00) EPV lapsed

(11) EP2067953
(00) 01.01.2019
(00) EPV lapsed

(11) EP2068325
(00) 01.01.2019
(00) EPV lapsed

(11) EP2070931
(00) 01.01.2019
(00) EPV lapsed

(11) EP2070991
(00) 01.01.2019
(00) EPV lapsed

(11) EP2071068
(00) 01.01.2019
(00) EPV lapsed

(11) EP2071231
(00) 01.01.2019
(00) EPV lapsed

(11) EP2071407
(00) 01.01.2019
(00) EPV lapsed

(11) EP2072243
(00) 01.01.2019
(00) EPV lapsed

(11) EP2072599
(00) 01.01.2019
(00) EPV lapsed

(11) EP2072695
(00) 01.01.2019
(00) EPV lapsed

(11) EP2073132
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2073371
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2074650
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2075012
(00) 01.01.2019
(00) EPV lapsed

(11) EP2075394
(00) 01.01.2019
(00) EPV lapsed

(11) EP2075494
(00) 01.01.2019

(00) EPV lapsed

(11) EP2075524
(00) 01.01.2019
(00) EPV lapsed

(11) EP2078807
(00) 01.01.2019
(00) EPV lapsed

(11) EP2078808
(00) 01.01.2019
(00) EPV lapsed

(11) EP2080192
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2085060
(00) 01.01.2019
(00) EPV lapsed

(11) EP2085102
(00) 01.01.2019
(00) EPV lapsed

(11) EP2086147
(00) 01.01.2019
(00) EPV lapsed

(11) EP2086334
(00) 01.01.2019
(00) EPV lapsed

(11) EP2087116
(00) 01.01.2019
(00) EPV lapsed

(11) EP2087555
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2089279
(00) 01.01.2019
(00) EPV lapsed

(11) EP2089993
(00) 01.01.2019
(00) EPV lapsed

(11) EP2091132
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2091174
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2091863
(00) 01.01.2019
(00) EPV lapsed

(11) EP2091889
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2092164
(00) 01.01.2019
(00) EPV lapsed

(11) EP2092531
(00) 01.01.2019
(00) EPV lapsed

(11) EP2094173
(00) 01.01.2019
(00) EPV lapsed

(11) EP2094184
(00) 01.01.2019
(00) EPV lapsed

(11) EP2094187
(00) 01.01.2019
(00) EPV lapsed

(11) EP2094589
(00) 01.01.2019

(00) EPV lapsed

(11) EP2095381
(00) 01.01.2019
(00) EPV lapsed

(11) EP2096973
(00) 01.01.2019
(00) EPV lapsed

(11) EP2097096
(00) 01.01.2019
(00) EPV lapsed

(11) EP2097487
(00) 01.01.2019
(00) EPV lapsed

(11) EP2097753
(00) 01.01.2019
(00) EPV lapsed

(11) EP2099557
(00) 01.01.2019
(00) EPV lapsed

(11) EP2099583
(00) 01.01.2019
(00) EPV lapsed

(11) EP2099888
(00) 01.01.2019
(00) EPV lapsed

(11) EP2099953
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2099990
(00) 01.01.2019
(00) EPV lapsed

(11) EP2100459
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2101609
(00) 01.01.2019
(00) EPV lapsed

(11) EP2101807
(00) 01.01.2019
(00) EPV lapsed

(11) EP2101842
(00) 01.01.2019
(00) EPV lapsed

(11) EP2101867
(00) 01.01.2019
(00) EPV lapsed

(11) EP2101928
(00) 01.01.2019
(00) EPV lapsed

(11) EP2102164
(00) 01.01.2019
(00) EPV lapsed

(11) EP2102280
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2102345
(00) 01.01.2019
(00) EPV lapsed

(11) EP2102685
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2102826
(00) 01.01.2019
(00) EPV lapsed

(11) EP2103443
(00) 01.01.2019

(00) EPV lapsed

(11) EP2104520
(00) 01.01.2019
(00) EPV lapsed

(11) EP2104618
(00) 01.01.2019
(00) EPV lapsed

(11) EP2104631
(00) 01.01.2019
(00) EPV lapsed

(11) EP2104650
(00) 01.01.2019
(00) EPV lapsed

(11) EP2104669
(00) 01.01.2019
(00) EPV lapsed

(11) EP2104890
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2106524
(00) 01.01.2019
(00) EPV lapsed

(11) EP2107805
(00) 01.01.2019
(00) EPV lapsed

(11) EP2107872
(00) 01.01.2019
(00) EPV lapsed

(11) EP2108009
(00) 01.01.2019
(00) EPV lapsed

(11) EP2108032
(00) 01.01.2019
(00) EPV lapsed

(11) EP2109569
(00) 01.01.2019
(00) EPV lapsed

(11) EP2110935
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2111712
(00) 01.01.2019
(00) EPV lapsed

(11) EP2112157
(00) 01.01.2019
(00) EPV lapsed

(11) EP2113567
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2113981
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2114395
(00) 01.01.2019
(00) EPV lapsed

(11) EP2114495
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2114921
(00) 01.01.2019
(00) EPV lapsed

(11) EP2115093
(00) 01.01.2019
(00) EPV lapsed

(11) EP2116191
(00) 01.01.2019

(00) EPV lapsed

(11) EP2116772
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2117590
(00) 01.01.2019
(00) EPV lapsed

(11) EP2118137
(00) 01.01.2019
(00) EPV lapsed

(11) EP2118161
(00) 01.01.2019
(00) EPV lapsed

(11) EP2118269
(00) 01.01.2019
(00) EPV lapsed

(11) EP2118512
(00) 01.01.2019
(00) EPV lapsed

(11) EP2119034
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2121381
(00) 01.01.2019
(00) EPV lapsed

(11) EP2121593
(00) 01.01.2019
(00) EPV lapsed

(11) EP2121746
(00) 01.01.2019
(00) EPV lapsed

(11) EP2121788
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2122230
(00) 01.01.2019
(00) EPV lapsed

(11) EP2122771
(00) 01.01.2019
(00) EPV lapsed

(11) EP2122789
(00) 01.01.2019
(00) EPV lapsed

(11) EP2123270
(00) 01.01.2019
(00) EPV lapsed

(11) EP2124444
(00) 01.01.2019
(00) EPV lapsed

(11) EP2124694
(00) 01.01.2019
(00) EPV lapsed

(11) EP2125031
(00) 01.01.2019
(00) EPV lapsed

(11) EP2125184
(00) 01.01.2019
(00) EPV lapsed

(11) EP2125378
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2125576
(00) 01.01.2019
(00) EPV lapsed

(11) EP2125744
(00) 01.01.2019

(00) EPV lapsed

(11) EP2125745
(00) 01.01.2019
(00) EPV lapsed

(11) EP2125786
(00) 01.01.2019
(00) EPV lapsed

(11) EP2126031
(00) 01.01.2019
(00) EPV lapsed

(11) EP2127029
(00) 01.01.2019
(00) EPV lapsed

(11) EP2127151
(00) 01.01.2019
(00) EPV lapsed

(11) EP2128817
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2130162
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2132194
(00) 01.01.2019
(00) EPV lapsed

(11) EP2132794
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2136530
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2136851
(00) 01.01.2019
(00) EPV lapsed

(11) EP2138512
(00) 01.01.2019
(00) EPV lapsed

(11) EP2142305
(00) 01.01.2019
(00) EPV lapsed

(11) EP2143479
(00) 01.01.2019
(00) EPV lapsed

(11) EP2145674
(00) 01.01.2019
(00) EPV lapsed

(11) EP2146229
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2146551
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2149736
(00) 01.01.2019
(00) EPV lapsed

(11) EP2152835
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2154110
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2154705
(00) 01.01.2019
(00) EPV lapsed

(11) EP2155624
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2165928
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2166593
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2167398
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2167438
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2168029
(00) 01.01.2019
(00) EPV lapsed

(11) EP2170576
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2171013
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2171525
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2173559
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2174933
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2176293
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2178999
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2179371
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2179847
(00) 01.01.2019
(00) EPV lapsed

(11) EP2180573
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2180932
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2184395
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2184842
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2186902
(00) 17.04.2019
(00) European Patent got Revoked

(11) EP2193151
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2193559
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2194002
(00) 01.01.2019

(00) EPV lapsed

(11) EP2194407
(00) 01.01.2019
(00) EPV lapsed

(11) EP2196421
(00) 01.01.2019
(00) EPV lapsed

(11) EP2198319
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2198700
(00) 01.01.2019
(00) EPV lapsed

(11) EP2198762
(00) 01.01.2019
(00) EPV lapsed

(11) EP2199066
(00) 01.01.2019
(00) EPV lapsed

(11) EP2199081
(00) 01.01.2019
(00) EPV lapsed

(11) EP2199082
(00) 01.01.2019
(00) EPV lapsed

(11) EP2199095
(00) 01.01.2019
(00) EPV lapsed

(11) EP2199289
(00) 01.01.2019
(00) EPV lapsed

(11) EP2199496
(00) 01.01.2019
(00) EPV lapsed

(11) EP2200165
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2200371
(00) 01.01.2019
(00) EPV lapsed

(11) EP2200386
(00) 01.01.2019
(00) EPV lapsed

(11) EP2200736
(00) 21.06.2019
(00) European Patent got Revoked

(11) EP2202256
(00) 01.01.2019
(00) EPV lapsed

(11) EP2202470
(00) 01.01.2019
(00) EPV lapsed

(11) EP2204034
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2204592
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2204792
(00) 01.01.2019
(00) EPV lapsed

(11) EP2204913
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2204948
(00) 01.01.2019

(00) EPV lapsed

(11) EP2205033
(00) 01.01.2019
(00) EPV lapsed

(11) EP2205288
(00) 01.01.2019
(00) EPV lapsed

(11) EP2205771
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2206438
(00) 01.01.2019
(00) EPV lapsed

(11) EP2206682
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2207291
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2207372
(00) 01.01.2019
(00) EPV lapsed

(11) EP2208844
(00) 01.01.2019
(00) EPV lapsed

(11) EP2210020
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2210628
(00) 01.01.2019
(00) EPV lapsed

(11) EP2213126
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2214457
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2216959
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2217275
(00) 01.01.2019
(00) EPV lapsed

(11) EP2217567
(00) 01.01.2019
(00) EPV lapsed

(11) EP2217830
(00) 01.01.2019
(00) EPV lapsed

(11) EP2217903
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2218153
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2218448
(00) 01.01.2019
(00) EPV lapsed

(11) EP2218468
(00) 01.01.2019
(00) EPV lapsed

(11) EP2218737
(00) 01.01.2019
(00) EPV lapsed

(11) EP2219555
(00) 01.01.2019

(00) EPV lapsed

(11) EP2219584
(00) 01.01.2019
(00) EPV lapsed

(11) EP2219632
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2219693
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2219741
(00) 01.01.2019
(00) EPV lapsed

(11) EP2220114
(00) 01.01.2019
(00) EPV lapsed

(11) EP2222230
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2222627
(00) 01.01.2019
(00) EPV lapsed

(11) EP2222689
(00) 01.01.2019
(00) EPV lapsed

(11) EP2222767
(00) 01.01.2019
(00) EPV lapsed

(11) EP2222778
(00) 01.01.2019
(00) EPV lapsed

(11) EP2223456
(00) 01.01.2019
(00) EPV lapsed

(11) EP2224315
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2225029
(00) 01.01.2019
(00) EPV lapsed

(11) EP2225231
(00) 01.01.2019
(00) EPV lapsed

(11) EP2225261
(00) 01.01.2019
(00) EPV lapsed

(11) EP2225320
(00) 01.01.2019
(00) EPV lapsed

(11) EP2225483
(00) 01.01.2019
(00) EPV lapsed

(11) EP2225642
(00) 01.01.2019
(00) EPV lapsed

(11) EP2227230
(00) 01.01.2019
(00) EPV lapsed

(11) EP2227597
(00) 01.01.2019
(00) EPV lapsed

(11) EP2229054
(00) 01.01.2019
(00) EPV lapsed

(11) EP2229568
(00) 01.01.2019

(00) EPV lapsed

(11) EP2229582
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2229651
(00) 01.01.2019
(00) EPV lapsed

(11) EP2229703
(00) 01.01.2019
(00) EPV lapsed

(11) EP2230059
(00) 01.01.2019
(00) EPV lapsed

(11) EP2231027
(00) 01.01.2019
(00) EPV lapsed

(11) EP2231271
(00) 01.01.2019
(00) EPV lapsed

(11) EP2231411
(00) 01.01.2019
(00) EPV lapsed

(11) EP2231480
(00) 01.01.2019
(00) EPV lapsed

(11) EP2231936
(00) 01.01.2019
(00) EPV lapsed

(11) EP2232628
(00) 01.01.2019
(00) EPV lapsed

(11) EP2232663
(00) 01.01.2019
(00) EPV lapsed

(11) EP2232951
(00) 01.01.2019
(00) EPV lapsed

(11) EP2233977
(00) 01.01.2019
(00) EPV lapsed

(11) EP2234192
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2234474
(00) 01.01.2019
(00) EPV lapsed

(11) EP2234485
(00) 01.01.2019
(00) EPV lapsed

(11) EP2234628
(00) 01.01.2019
(00) EPV lapsed

(11) EP2235312
(00) 01.01.2019
(00) EPV lapsed

(11) EP2235657
(00) 01.01.2019
(00) EPV lapsed

(11) EP2235702
(00) 01.01.2019
(00) EPV lapsed

(11) EP2237305
(00) 01.01.2019
(00) EPV lapsed

(11) EP2237982
(00) 01.01.2019

(00) EPV lapsed

(11) EP2238478
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2240050
(00) 01.01.2019
(00) EPV lapsed

(11) EP2240107
(00) 01.01.2019
(00) EPV lapsed

(11) EP2240992
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2241359
(00) 01.01.2019
(00) EPV lapsed

(11) EP2242253
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2242743
(00) 01.01.2019
(00) EPV lapsed

(11) EP2242790
(00) 01.01.2019
(00) EPV lapsed

(11) EP2242806
(00) 01.01.2019
(00) EPV lapsed

(11) EP2242814
(00) 01.01.2019
(00) EPV lapsed

(11) EP2242878
(00) 01.01.2019
(00) EPV lapsed

(11) EP2243059
(00) 01.01.2019
(00) EPV lapsed

(11) EP2243115
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2244529
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2244768
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2244907
(00) 01.01.2019
(00) EPV lapsed

(11) EP2245095
(00) 01.01.2019
(00) EPV lapsed

(11) EP2245294
(00) 01.01.2019
(00) EPV lapsed

(11) EP2245456
(00) 01.01.2019
(00) EPV lapsed

(11) EP2245715
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2247628
(00) 01.01.2019
(00) EPV lapsed

(11) EP2248583
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2248732
(00) 01.01.2019
(00) EPV lapsed

(11) EP2248964
(00) 01.01.2019
(00) EPV lapsed

(11) EP2249192
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2249497
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2252538
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2253497
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2257201
(00) 01.01.2019
(00) EPV lapsed

(11) EP2258094
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2258095
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2259239
(00) 05.08.2019
(00) Patent Expired

(11) EP2259811
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2260525
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2260885
(00) 01.01.2019
(00) EPV lapsed

(11) EP2263300
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2263606
(00) 02.08.2019
(00) Patent Expired

(11) EP2267418
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2268562
(00) 01.01.2019
(00) EPV lapsed

(11) EP2268845
(00) 01.01.2019
(00) EPV lapsed

(11) EP2272422
(00) 01.01.2019
(00) EPV lapsed

(11) EP2272423
(00) 01.01.2019
(00) EPV lapsed

(11) EP2272744
(00) 01.01.2019
(00) EPV lapsed

(11) EP2273752
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2274058
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2275556
(00) 01.01.2019
(00) EPV lapsed

(11) EP2277475
(00) 02.08.2019
(00) Patent Expired

(11) EP2277563
(00) 01.01.2019
(00) EPV lapsed

(11) EP2283412
(00) 01.01.2019
(00) EPV lapsed

(11) EP2283732
(00) 01.01.2019
(00) EPV lapsed

(11) EP2284689
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2286017
(00) 01.01.2019
(00) EPV lapsed

(11) EP2286228
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2290149
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2290271
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2290766
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2290804
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2290857
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2292746
(00) 01.01.2019
(00) EPV lapsed

(11) EP2292747
(00) 01.01.2019
(00) EPV lapsed

(11) EP2294925
(00) 01.01.2019
(00) EPV lapsed

(11) EP2298526
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2298655
(00) 01.01.2019
(00) EPV lapsed

(11) EP2300221
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2300511
(00) 26.03.2019
(00) European Patent got Revoked

(11) EP2301795
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2302049
(00) 01.01.2019
(00) EPV lapsed

(11) EP2303263
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2303451
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2305887
(00) 01.01.2019
(00) EPV lapsed

(11) EP2306205
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2306785
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2308266
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2309486
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2310029
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2311500
(00) 01.01.2019
(00) EPV lapsed

(11) EP2311593
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2311603
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2311848
(00) 01.01.2019
(00) EPV lapsed

(11) EP2312657
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2314058
(00) 01.01.2019
(00) EPV lapsed

(11) EP2314398
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2315037
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2315866
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2317270
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2319374
(00) 01.01.2019
(00) EPV lapsed

(11) EP2319658
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2319853
(00) 01.01.2019

(00) EPV lapsed

(11) EP2320174
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2320490
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2321990
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2323714
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2324098
(00) 01.01.2019
(00) EPV lapsed

(11) EP2325215
(00) 01.01.2019
(00) EPV lapsed

(11) EP2325230
(00) 01.01.2019
(00) EPV lapsed

(11) EP2325597
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2326606
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2327234
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2329629
(00) 01.01.2019
(00) EPV lapsed

(11) EP2329865
(00) 01.01.2019
(00) EPV lapsed

(11) EP2329968
(00) 01.01.2019
(00) EPV lapsed

(11) EP2329978
(00) 01.01.2019
(00) EPV lapsed

(11) EP2330131
(00) 01.01.2019
(00) EPV lapsed

(11) EP2331449
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2332239
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2333864
(00) 01.01.2019
(00) EPV lapsed

(11) EP2335937
(00) 01.01.2019
(00) EPV lapsed

(11) EP2335938
(00) 01.01.2019
(00) EPV lapsed

(11) EP2336003
(00) 01.01.2019
(00) EPV lapsed

(11) EP2336431
(00) 01.01.2019

(00) EPV lapsed

(11) EP2337265
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2338175
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2338655
(00) 01.01.2019
(00) EPV lapsed

(11) EP2338666
(00) 01.01.2019
(00) EPV lapsed

(11) EP2338721
(00) 01.01.2019
(00) EPV lapsed

(11) EP2338795
(00) 01.01.2019
(00) EPV lapsed

(11) EP2338949
(00) 01.01.2019
(00) EPV lapsed

(11) EP2339220
(00) 01.01.2019
(00) EPV lapsed

(11) EP2339428
(00) 01.01.2019
(00) EPV lapsed

(11) EP2339518
(00) 01.01.2019
(00) EPV lapsed

(11) EP2339572
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2339816
(00) 01.01.2019
(00) EPV lapsed

(11) EP2340943
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2341028
(00) 01.01.2019
(00) EPV lapsed

(11) EP2341061
(00) 01.01.2019
(00) EPV lapsed

(11) EP2343429
(00) 01.01.2019
(00) EPV lapsed

(11) EP2343547
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2343582
(00) 01.01.2019
(00) EPV lapsed

(11) EP2343969
(00) 01.01.2019
(00) EPV lapsed

(11) EP2345115
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2345865
(00) 01.01.2019
(00) EPV lapsed

(11) EP2346483
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2347055
(00) 01.01.2019
(00) EPV lapsed

(11) EP2347776
(00) 01.01.2019
(00) EPV lapsed

(11) EP2348190
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2348595
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2350258
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2350513
(00) 01.01.2019
(00) EPV lapsed

(11) EP2350699
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2351179
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2352279
(00) 01.01.2019
(00) EPV lapsed

(11) EP2352388
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2352543
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2352650
(00) 01.01.2019
(00) EPV lapsed

(11) EP2352884
(00) 01.01.2019
(00) EPV lapsed

(11) EP2353298
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2353526
(00) 01.01.2019
(00) EPV lapsed

(11) EP2354784
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2355193
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2355196
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2355286
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2356523
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2357314
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2357793
(00) 01.01.2019

(00) EPV lapsed

(11) EP2358814
(00) 01.01.2019
(00) EPV lapsed

(11) EP2358834
(00) 01.01.2019
(00) EPV lapsed

(11) EP2359035
(00) 01.01.2019
(00) EPV lapsed

(11) EP2359171
(00) 01.01.2019
(00) EPV lapsed

(11) EP2360889
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2361110
(00) 01.01.2019
(00) EPV lapsed

(11) EP2361200
(00) 01.01.2019
(00) EPV lapsed

(11) EP2362455
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2362794
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2363080
(00) 01.01.2019
(00) EPV lapsed

(11) EP2364309
(00) 01.01.2019
(00) EPV lapsed

(11) EP2364396
(00) 01.01.2019
(00) EPV lapsed

(11) EP2365547
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2366216
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2368157
(00) 01.01.2019
(00) EPV lapsed

(11) EP2370263
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2370440
(00) 01.01.2019
(00) EPV lapsed

(11) EP2370722
(00) 01.01.2019
(00) EPV lapsed

(11) EP2371880
(00) 01.01.2019
(00) EPV lapsed

(11) EP2372103
(00) 01.01.2019
(00) EPV lapsed

(11) EP2372495
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2373790
(00) 01.01.2019

(00) EPV lapsed

(11) EP2373819
(00) 01.01.2019
(00) EPV lapsed

(11) EP2374135
(00) 01.01.2019
(00) EPV lapsed

(11) EP2374136
(00) 01.01.2019
(00) EPV lapsed

(11) EP2374137
(00) 01.01.2019
(00) EPV lapsed

(11) EP2374419
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2374494
(00) 01.01.2019
(00) EPV lapsed

(11) EP2375834
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2376108
(00) 01.01.2019
(00) EPV lapsed

(11) EP2376113
(00) 01.01.2019
(00) EPV lapsed

(11) EP2376244
(00) 01.01.2019
(00) EPV lapsed

(11) EP2376286
(00) 01.01.2019
(00) EPV lapsed

(11) EP2376775
(00) 01.01.2019
(00) EPV lapsed

(11) EP2376860
(00) 01.01.2019
(00) EPV lapsed

(11) EP2377060
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2377138
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2378140
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2379047
(00) 01.01.2019
(00) EPV lapsed

(11) EP2379142
(00) 01.01.2019
(00) EPV lapsed

(11) EP2379196
(00) 01.01.2019
(00) EPV lapsed

(11) EP2379312
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2379452
(00) 01.01.2019
(00) EPV lapsed

(11) EP2379466
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2379643
(00) 01.01.2019
(00) EPV lapsed

(11) EP2379712
(00) 01.01.2019
(00) EPV lapsed

(11) EP2379782
(00) 01.01.2019
(00) EPV lapsed

(11) EP2380140
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2380177
(00) 01.01.2019
(00) EPV lapsed

(11) EP2380540
(00) 01.01.2019
(00) EPV lapsed

(11) EP2380929
(00) 09.04.2019
(00) European Patent got Revoked

(11) EP2381925
(00) 01.01.2019
(00) EPV lapsed

(11) EP2381949
(00) 01.01.2019
(00) EPV lapsed

(11) EP2382198
(00) 01.01.2019
(00) EPV lapsed

(11) EP2382222
(00) 01.01.2019
(00) EPV lapsed

(11) EP2382286
(00) 01.01.2019
(00) EPV lapsed

(11) EP2382356
(00) 01.01.2019
(00) EPV lapsed

(11) EP2382511
(00) 01.01.2019
(00) EPV lapsed

(11) EP2382632
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2382721
(00) 01.01.2019
(00) EPV lapsed

(11) EP2383243
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2383295
(00) 01.01.2019
(00) EPV lapsed

(11) EP2383802
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2384229
(00) 01.01.2019
(00) EPV lapsed

(11) EP2384315
(00) 01.01.2019
(00) EPV lapsed

(11) EP2384512
(00) 01.01.2019

(00) EPV lapsed

(11) EP2384554
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2386133
(00) 01.01.2019
(00) EPV lapsed

(11) EP2386798
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2387598
(00) 01.01.2019
(00) EPV lapsed

(11) EP2387600
(00) 01.01.2019
(00) EPV lapsed

(11) EP2387856
(00) 01.01.2019
(00) EPV lapsed

(11) EP2388110
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2388690
(00) 01.01.2019
(00) EPV lapsed

(11) EP2388946
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2389219
(00) 01.01.2019
(00) EPV lapsed

(11) EP2389671
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2390926
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2391618
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2393973
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2394161
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2394316
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2394775
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2394794
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2395023
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2395541
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2396525
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2397130
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2400137
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2400262
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2401152
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2401159
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2401410
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2401472
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2401509
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2401635
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2401774
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2402071
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2404218
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2404495
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2404846
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2405559
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2407536
(00) 01.01.2019
(00) EPV lapsed

(11) EP2407827
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2409261
(00) 01.01.2019
(00) EPV lapsed

(11) EP2412315
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2415973
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2416157
(00) 01.01.2019
(00) EPV lapsed

(11) EP2416322
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2416460
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2417732
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2418050
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2423613
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2424513
(00) 01.01.2019
(00) EPV lapsed

(11) EP2425712
(00) 01.01.2019
(00) EPV lapsed

(11) EP2427521
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2428536
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2428751
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2428753
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2428914
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2429292
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2431273
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2435028
(00) 20.11.2018
(00) European Patent got Revoked

(11) EP2435482
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2438888
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2439852
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2440969
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2441804
(00) 07.05.2019
(00) European Patent got Revoked

(11) EP2442373
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2442581
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2443628
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2443744
(00) 01.01.2019

(00) EPV lapsed

(11) EP2444120
(00) 01.01.2019
(00) EPV lapsed

(11) EP2444392
(00) 01.01.2019
(00) EPV lapsed

(11) EP2444827
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2445039
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2446462
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2448091
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2448472
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2449469
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2449568
(00) 01.01.2019
(00) EPV lapsed

(11) EP2450273
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2453035
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2453721
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2454431
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2454459
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2455002
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2455285
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2455501
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2456289
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2456596
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2457669
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2458132
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2459249
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2459255
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2459706
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2459760
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2460257
(00) 01.01.2019
(00) EPV lapsed

(11) EP2461345
(00) 01.01.2019
(00) EPV lapsed

(11) EP2461383
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2461665
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2463009
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2463060
(00) 01.01.2019
(00) EPV lapsed

(11) EP2463096
(00) 01.01.2019
(00) EPV lapsed

(11) EP2463396
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2463579
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2463969
(00) 01.01.2019
(00) EPV lapsed

(11) EP2464151
(00) 01.01.2019
(00) EPV lapsed

(11) EP2464152
(00) 01.01.2019
(00) EPV lapsed

(11) EP2465381
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2465678
(00) 01.01.2019
(00) EPV lapsed

(11) EP2465750
(00) 01.01.2019
(00) EPV lapsed

(11) EP2465915
(00) 01.01.2019
(00) EPV lapsed

(11) EP2466028
(00) 01.01.2019
(00) EPV lapsed

(11) EP2466115
(00) 01.01.2019
(00) EPV lapsed

(11) EP2466245
(00) 01.01.2019

(00) EPV lapsed

(11) EP2466509
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2466825
(00) 01.01.2019
(00) EPV lapsed

(11) EP2466826
(00) 01.01.2019
(00) EPV lapsed

(11) EP2466932
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2467136
(00) 01.01.2019
(00) EPV lapsed

(11) EP2468102
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2468142
(00) 01.01.2019
(00) EPV lapsed

(11) EP2468256
(00) 01.01.2019
(00) EPV lapsed

(11) EP2468307
(00) 01.01.2019
(00) EPV lapsed

(11) EP2468361
(00) 01.01.2019
(00) EPV lapsed

(11) EP2468506
(00) 01.01.2019
(00) EPV lapsed

(11) EP2468874
(00) 01.01.2019
(00) EPV lapsed

(11) EP2469201
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2469320
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2469649
(00) 01.01.2019
(00) EPV lapsed

(11) EP2471011
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2471520
(00) 01.01.2019
(00) EPV lapsed

(11) EP2471658
(00) 01.01.2019
(00) EPV lapsed

(11) EP2472025
(00) 01.01.2019
(00) EPV lapsed

(11) EP2472028
(00) 01.01.2019
(00) EPV lapsed

(11) EP2472214
(00) 01.01.2019
(00) EPV lapsed

(11) EP2472843
(00) 01.01.2019

(00) EPV lapsed

(11) EP2473394
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2473796
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2474864
(00) 01.07.2019
(00) EPV lapsed

(11) EP2475139
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2476633
(00) 01.01.2019
(00) EPV lapsed

(11) EP2476683
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2478770
(00) 01.01.2019
(00) EPV lapsed

(11) EP2481077
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2483767
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2484960
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2485423
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2486355
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2488044
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2488384
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2489124
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2490039
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2490323
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2490419
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2490588
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2492419
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2492760
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2492796
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2492812
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2492948
(00) 01.01.2019
(00) EPV lapsed

(11) EP2493623
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2495655
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2495730
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2495960
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2496981
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2497050
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2497166
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2497245
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2497262
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2497411
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2497807
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2497821
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2498751
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2501499
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2502059
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2506711
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2506755
(00) 01.01.2019
(00) EPV lapsed

(11) EP2507206
(00) 01.01.2019
(00) EPV lapsed

(11) EP2507855
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2508035
(00) 01.01.2019

(00) EPV lapsed

(11) EP2508046
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2509520
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2509535
(00) 01.01.2019
(00) EPV lapsed

(11) EP2509564
(00) 01.01.2019
(00) EPV lapsed

(11) EP2509839
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2509958
(00) 01.01.2019
(00) EPV lapsed

(11) EP2510140
(00) 01.01.2019
(00) EPV lapsed

(11) EP2510186
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2510270
(00) 01.01.2019
(00) EPV lapsed

(11) EP2510561
(00) 01.01.2019
(00) EPV lapsed

(11) EP2510589
(00) 01.01.2019
(00) EPV lapsed

(11) EP2510590
(00) 01.01.2019
(00) EPV lapsed

(11) EP2510631
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2511434
(00) 01.01.2019
(00) EPV lapsed

(11) EP2511435
(00) 01.01.2019
(00) EPV lapsed

(11) EP2512129
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2512297
(00) 01.01.2019
(00) EPV lapsed

(11) EP2512306
(00) 01.01.2019
(00) EPV lapsed

(11) EP2512649
(00) 01.01.2019
(00) EPV lapsed

(11) EP2512667
(00) 01.01.2019
(00) EPV lapsed

(11) EP2512936
(00) 01.01.2019
(00) EPV lapsed

(11) EP2512951
(00) 01.01.2019

(00) EPV lapsed

(11) EP2513029
(00) 01.01.2019
(00) EPV lapsed

(11) EP2513105
(00) 01.01.2019
(00) EPV lapsed

(11) EP2513106
(00) 01.01.2019
(00) EPV lapsed

(11) EP2513107
(00) 01.01.2019
(00) EPV lapsed

(11) EP2513115
(00) 01.01.2019
(00) EPV lapsed

(11) EP2513165
(00) 01.01.2019
(00) EPV lapsed

(11) EP2513203
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2513228
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2513658
(00) 01.01.2019
(00) EPV lapsed

(11) EP2513792
(00) 01.01.2019
(00) EPV lapsed

(11) EP2514025
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2514215
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2515098
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2515745
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516246
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516276
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516465
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516469
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516489
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516598
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516605
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516652
(00) 01.01.2019

(00) EPV lapsed

(11) EP2516656
(00) 01.01.2019
(00) EPV lapsed

(11) EP2516910
(00) 01.01.2019
(00) EPV lapsed

(11) EP2517107
(00) 01.01.2019
(00) EPV lapsed

(11) EP2517273
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2517343
(00) 01.01.2019
(00) EPV lapsed

(11) EP2517394
(00) 01.01.2019
(00) EPV lapsed

(11) EP2517472
(00) 01.01.2019
(00) EPV lapsed

(11) EP2517537
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2519225
(00) 01.01.2019
(00) EPV lapsed

(11) EP2519458
(00) 01.01.2019
(00) EPV lapsed

(11) EP2519596
(00) 01.01.2019
(00) EPV lapsed

(11) EP2519693
(00) 01.01.2019
(00) EPV lapsed

(11) EP2519742
(00) 01.01.2019
(00) EPV lapsed

(11) EP2519980
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2520032
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2520109
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2520450
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2521549
(00) 01.01.2019
(00) EPV lapsed

(11) EP2522857
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2522972
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2524091
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2524186
(00) 01.01.2019

(00) EPV lapsed

(11) EP2525046
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2525688
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2525861
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2525877
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2527150
(00) 01.01.2019
(00) EPV lapsed

(11) EP2527486
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2527626
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2527796
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2528811
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2529204
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2529513
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2529653
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2530892
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2531345
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2531354
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2531690
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2531862
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2531895
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2532630
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2532774
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2533281
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2533833
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2533902
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2533967
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2534005
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2534009
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2534212
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2534919
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2535236
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2535733
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2535796
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2535953
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2536154
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2536174
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2536358
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2536952
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2537212
(00) 01.01.2019
(00) EPV lapsed

(11) EP2537539
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2537801
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2538317
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2538433
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2539622
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2539797
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2540337
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2540971
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2542175
(00) 01.01.2019
(00) EPV lapsed

(11) EP2543716
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2546099
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2548931
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2550898
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2551659
(00) 01.01.2019
(00) EPV lapsed

(11) EP2551800
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2552095
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2556846
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2561598
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2562886
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2565394
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2566441
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2566948
(00) 01.01.2019
(00) EPV lapsed

(11) EP2566984
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2568259
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2568669
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2569351
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2571428
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2572824
(00) 01.01.2019
(00) EPV lapsed

(11) EP2573923
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2575976
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2576022
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2576426
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2578162
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2578265
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2578450
(00) 01.01.2019
(00) EPV lapsed

(11) EP2579327
(00) 01.01.2019
(00) EPV lapsed

(11) EP2581141
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2581259
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2583663
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2584088
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2584266
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2584449
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2584882
(00) 11.11.2015
(00) EPV Ceased Effect

(11) EP2585002
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2585552
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2586994
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2587866
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2589381
(00) 01.01.2019
(00) EPV lapsed

(11) EP2591952
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2593968
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2594056
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2594781
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2595035
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2595220
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2595789
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2596017
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2596987
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2597566
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2598946
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2599465
(00) 01.01.2019
(00) EPV lapsed

(11) EP2599672
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2599795
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2600224
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2600226
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2600252
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2600796
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2601424
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2601463
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2602204
(00) 01.01.2019
(00) EPV lapsed

(11) EP2602392
(00) 01.01.2019
(00) EPV lapsed

(11) EP2602408
(00) 01.01.2019
(00) EPV lapsed

(11) EP2602422
(00) 01.01.2019
(00) EPV lapsed

(11) EP2604152
(00) 01.01.2019

(00) EPV lapsed

(11) EP2604863
(00) 01.01.2019
(00) EPV lapsed

(11) EP2605153
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2605261
(00) 01.01.2019
(00) EPV lapsed

(11) EP2606377
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2606626
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2606765
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2606783
(00) 01.01.2019
(00) EPV lapsed

(11) EP2606833
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2606835
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2606958
(00) 01.01.2019
(00) EPV lapsed

(11) EP2607078
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2607149
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2607310
(00) 01.01.2019
(00) EPV lapsed

(11) EP2607437
(00) 01.01.2019
(00) EPV lapsed

(11) EP2607784
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2608334
(00) 01.01.2019
(00) EPV lapsed

(11) EP2608338
(00) 01.01.2019
(00) EPV lapsed

(11) EP2610281
(00) 01.01.2019
(00) EPV lapsed

(11) EP2610282
(00) 01.01.2019
(00) EPV lapsed

(11) EP2610440
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2610600
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2612555
(00) 01.01.2019

(00) EPV lapsed

(11) EP2612559
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2613081
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2613684
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2615520
(00) 01.01.2019
(00) EPV lapsed

(11) EP2616180
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2616980
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2617114
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2617647
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2618191
(00) 01.01.2019
(00) EPV lapsed

(11) EP2619131
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2619833
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2619935
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2620131
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2620324
(00) 01.01.2019
(00) EPV lapsed

(11) EP2620982
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2621063
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2621093
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2621477
(00) 01.01.2019
(00) EPV lapsed

(11) EP2622708
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2622843
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2623274
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2623350
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2623388
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2623708
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2623943
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2625579
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2625587
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2626237
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2626242
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2626770
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2626845
(00) 01.01.2019
(00) EPV lapsed

(11) EP2626994
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2627047
(00) 01.01.2019
(00) EPV lapsed

(11) EP2627161
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2627537
(00) 01.01.2019
(00) EPV lapsed

(11) EP2627982
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2628459
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2628617
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2629089
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2629480
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2629889
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2631307
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2631596
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2632111
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2633622
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2634095
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2636244
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2636358
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2637027
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2637220
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2637224
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2637325
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2638446
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2639325
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2639941
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2642152
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2642702
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2643076
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2643668
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2645640
(00) 01.01.2019
(00) EPV lapsed

(11) EP2645646
(00) 01.01.2019
(00) EPV lapsed

(11) EP2645656
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2646283
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2646539
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2647213
(00) 01.01.2019
(00) EPV lapsed

(11) EP2647520
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2647629
(00) 01.01.2019
(00) EPV lapsed

(11) EP2647829
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2648106
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2648668
(00) 01.01.2019
(00) EPV lapsed

(11) EP2648699
(00) 01.01.2019
(00) EPV lapsed

(11) EP2648726
(00) 01.01.2019
(00) EPV lapsed

(11) EP2648819
(00) 01.01.2019
(00) EPV lapsed

(11) EP2648840
(00) 01.01.2019
(00) EPV lapsed

(11) EP2648959
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649076
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649122
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649259
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649260
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649308
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2649350
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649356
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2649392
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649434
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649548
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649587
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2649769
(00) 01.01.2019
(00) EPV lapsed

(11) EP2649819
(00) 01.01.2019

(00) EPV lapsed

(11) EP2649838
(00) 01.01.2019
(00) EPV lapsed

(11) EP2650051
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2651117
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2651248
(00) 01.01.2019
(00) EPV lapsed

(11) EP2651404
(00) 01.01.2019
(00) EPV lapsed

(11) EP2651422
(00) 01.01.2019
(00) EPV lapsed

(11) EP2651567
(00) 01.01.2019
(00) EPV lapsed

(11) EP2651966
(00) 01.01.2019
(00) EPV lapsed

(11) EP2652100
(00) 01.01.2019
(00) EPV lapsed

(11) EP2652103
(00) 01.01.2019
(00) EPV lapsed

(11) EP2652763
(00) 01.01.2019
(00) EPV lapsed

(11) EP2654858
(00) 01.01.2019
(00) EPV lapsed

(11) EP2654938
(00) 01.01.2019
(00) EPV lapsed

(11) EP2655070
(00) 01.01.2019
(00) EPV lapsed

(11) EP2655083
(00) 01.01.2019
(00) EPV lapsed

(11) EP2655260
(00) 01.01.2019
(00) EPV lapsed

(11) EP2655383
(00) 01.01.2019
(00) EPV lapsed

(11) EP2655434
(00) 01.01.2019
(00) EPV lapsed

(11) EP2655550
(00) 01.01.2019
(00) EPV lapsed

(11) EP2656156
(00) 01.01.2019
(00) EPV lapsed

(11) EP2656846
(00) 01.01.2019
(00) EPV lapsed

(11) EP2656879
(00) 01.01.2019

(00) EPV lapsed

(11) EP2657487
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2657490
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2657597
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2657975
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2658208
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2658605
(00) 01.01.2019
(00) EPV lapsed

(11) EP2658677
(00) 01.01.2019
(00) EPV lapsed

(11) EP2658844
(00) 01.01.2019
(00) EPV lapsed

(11) EP2659199
(00) 01.01.2019
(00) EPV lapsed

(11) EP2659313
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2659656
(00) 01.01.2019
(00) EPV lapsed

(11) EP2660011
(00) 01.01.2019
(00) EPV lapsed

(11) EP2660338
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2660430
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2660587
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2661029
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2661049
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2661428
(00) 01.01.2019
(00) EPV lapsed

(11) EP2662711
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2663206
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2664078
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2664689
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2665141
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2665906
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2666189
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2668690
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2670265
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2671743
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2671846
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2671985
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2672339
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2672912
(00) 01.01.2019
(00) EPV lapsed

(11) EP2672913
(00) 01.01.2019
(00) EPV lapsed

(11) EP2673023
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2673249
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2673964
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2676747
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2677590
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2677600
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2677920
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2678124
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2678169
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2678189
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2678225
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2679696
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2680213
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2680510
(00) 01.01.2019
(00) EPV lapsed

(11) EP2680758
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2682120
(00) 01.01.2019
(00) EPV lapsed

(11) EP2683536
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2683908
(00) 01.01.2019
(00) EPV lapsed

(11) EP2684632
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2688056
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2688224
(00) 01.01.2019
(00) EPV lapsed

(11) EP2689709
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2690139
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2690363
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2691851
(00) 01.01.2019
(00) EPV lapsed

(11) EP2692376
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2692580
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2693192
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2695480
(00) 01.01.2019
(00) EPV lapsed

(11) EP2696574
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2696884
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2697206
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2697323
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2697529
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2698338
(00) 01.01.2019
(00) EPV lapsed

(11) EP2698605
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2698683
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2700261
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2700280
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2701540
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2701962
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2702277
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2702751
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2703877
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2704686
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2704851
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2705472
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2705981
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2706174
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2706678
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2707092
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2707257
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2707835
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2707879
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2709208
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2709563
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2710340
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2711261
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2711498
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2712342
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2713180
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2713820
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2713887
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2714002
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2714495
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2715519
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2716403
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2718587
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2718854
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2720076
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2720766
(00) 27.03.2019
(00) EPV Ceased Effect

(11) EP2722588
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2722693
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2723166
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2723580
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2723845
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2724185
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2725034
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2725203
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2725373
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2725634
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2726321
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2726336
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2728312
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2729625
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2729990
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2730061
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2730500
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2731161
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2731250
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2731430
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2732054
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2732578
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2732877
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2732899
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2733984
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2734137
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2734910
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2735014
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2735950
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2737878
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2738026
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2738310
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2738396
(00) 01.01.2019
(00) EPV lapsed

(11) EP2738409
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2739748
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2740841
(00) 01.01.2019
(00) EPV lapsed

(11) EP2741271
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2741839
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2742304
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2743629
(00) 01.01.2019
(00) EPV lapsed

(11) EP2743897
(00) 01.01.2019
(00) EPV lapsed

(11) EP2744112
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2744273
(00) 01.01.2019
(00) EPV lapsed

(11) EP2744866
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2745143
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2745672
(00) 01.01.2019
(00) EPV lapsed

(11) EP2745743
(00) 01.01.2019
(00) EPV lapsed

(11) EP2745912
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2746148
(00) 01.01.2019
(00) EPV lapsed

(11) EP2746198
(00) 01.01.2019

(00) EPV lapsed

(11) EP2746489
(00) 01.01.2019
(00) EPV lapsed

(11) EP2746602
(00) 01.01.2019
(00) EPV lapsed

(11) EP2747110
(00) 01.01.2019
(00) EPV lapsed

(11) EP2747354
(00) 01.01.2019
(00) EPV lapsed

(11) EP2747355
(00) 01.01.2019
(00) EPV lapsed

(11) EP2747748
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2748329
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2748641
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2749637
(00) 01.01.2019
(00) EPV lapsed

(11) EP2749934
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2750343
(00) 01.01.2019
(00) EPV lapsed

(11) EP2750388
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2750537
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2751978
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2752094
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2752627
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2752730
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2753257
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2753499
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2754813
(00) 01.01.2019
(00) EPV lapsed

(11) EP2755014
(00) 01.01.2019
(00) EPV lapsed

(11) EP2755183
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2755709
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2756501
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2756675
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2756985
(00) 01.01.2019
(00) EPV lapsed

(11) EP2757038
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2759377
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2760673
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2762331
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2762659
(00) 01.01.2019
(00) EPV lapsed

(11) EP2763119
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2763933
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2764019
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2764630
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2765319
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2765391
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2765626
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2767417
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2767720
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2767742
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2767991
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2768022
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2768435
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2769799
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2769849
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2770168
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2770199
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2770379
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2771601
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2771967
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2772530
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2772543
(00) 01.01.2019
(00) EPV lapsed

(11) EP2773462
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2774612
(00) 01.01.2019
(00) EPV lapsed

(11) EP2775768
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2776063
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2776662
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2776787
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2776889
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2777173
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2778242
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2779837
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2779908
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2780000
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2780156
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2782610
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2782625
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2783372
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2783412
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2784060
(00) 01.01.2019
(00) EPV lapsed

(11) EP2784637
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2786306
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2786414
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2787209
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2787829
(00) 01.01.2019
(00) EPV lapsed

(11) EP2787920
(00) 01.01.2019
(00) EPV lapsed

(11) EP2788051
(00) 01.01.2019
(00) EPV lapsed

(11) EP2788052
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2788055
(00) 01.01.2019
(00) EPV lapsed

(11) EP2788268
(00) 01.01.2019
(00) EPV lapsed

(11) EP2788741
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2788896
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2789501
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2790492
(00) 01.01.2019
(00) EPV lapsed

(11) EP2790693
(00) 01.01.2019
(00) EPV lapsed

(11) EP2790704
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2790712
(00) 01.01.2019

(00) EPV lapsed

(11) EP2790838
(00) 01.01.2019
(00) EPV lapsed

(11) EP2790906
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791098
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791110
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791136
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791250
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2791275
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791330
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791468
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791469
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791474
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2791504
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791655
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791686
(00) 01.01.2019
(00) EPV lapsed

(11) EP2791699
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2791927
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2792048
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2792627
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2793561
(00) 01.01.2019
(00) EPV lapsed

(11) EP2793569
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2793644
(00) 01.01.2019
(00) EPV lapsed

(11) EP2793694
(00) 01.01.2019

(00) EPV lapsed

(11) EP2793747
(00) 01.01.2019
(00) EPV lapsed

(11) EP2793781
(00) 01.01.2019
(00) EPV lapsed

(11) EP2793857
(00) 01.01.2019
(00) EPV lapsed

(11) EP2794005
(00) 01.01.2019
(00) EPV lapsed

(11) EP2794147
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2794441
(00) 01.01.2019
(00) EPV lapsed

(11) EP2794473
(00) 01.01.2019
(00) EPV lapsed

(11) EP2794496
(00) 01.01.2019
(00) EPV lapsed

(11) EP2794628
(00) 01.01.2019
(00) EPV lapsed

(11) EP2794902
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795141
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795164
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795196
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795237
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795330
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795597
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795638
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795939
(00) 01.01.2019
(00) EPV lapsed

(11) EP2795971
(00) 01.01.2019
(00) EPV lapsed

(11) EP2796383
(00) 01.01.2019
(00) EPV lapsed

(11) EP2796544
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2796568
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2797299
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2797911
(00) 01.01.2019
(00) EPV lapsed

(11) EP2797913
(00) 01.01.2019
(00) EPV lapsed

(11) EP2797950
(00) 01.01.2019
(00) EPV lapsed

(11) EP2797965
(00) 01.01.2019
(00) EPV lapsed

(11) EP2798202
(00) 01.01.2019
(00) EPV lapsed

(11) EP2798325
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2798605
(00) 01.01.2019
(00) EPV lapsed

(11) EP2799147
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2799265
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2799453
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2799934
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2799951
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2800369
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2800904
(00) 01.01.2019
(00) EPV lapsed

(11) EP2801414
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2802464
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2802820
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2803055
(00) 01.01.2019
(00) EPV lapsed

(11) EP2803056
(00) 01.01.2019
(00) EPV lapsed

(11) EP2803863
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2804132
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2804746
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2805000
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2805977
(00) 01.01.2019
(00) EPV lapsed

(11) EP2806025
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2807568
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2807630
(00) 01.01.2019
(00) EPV lapsed

(11) EP2807636
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2807879
(00) 01.01.2019
(00) EPV lapsed

(11) EP2809195
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2809648
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2810372
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2810842
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2811826
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2811851
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2812350
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2812558
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2813097
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2813376
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2813572
(00) 01.01.2019
(00) EPV lapsed

(11) EP2813872
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2814250
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2814423
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2814679
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2814798
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2814951
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2814991
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2815175
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2815512
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2815897
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2816045
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2816984
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2817066
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2817114
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2817263
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2817438
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2817555
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2817644
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2817938
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2818121
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2818216
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2818879
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2819311
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2819640
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2820110
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2820271
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2820317
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2820942
(00) 11.02.2019
(00) European Patent got Revoked

(11) EP2821210
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2821984
(00) 01.01.2019
(00) EPV lapsed

(11) EP2822309
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2824180
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2824279
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2825241
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2827193
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2827365
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2827397
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2827448
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2829940
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2834079
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2835369
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2835805
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2835864
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2837338
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2837380
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2838228
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2838637
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2839138
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2839719
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2840148
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2840157
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2840296
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2840412
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2840528
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2840610
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2840710
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2840734
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2841765
(00) 01.01.2019
(00) EPV lapsed

(11) EP2842240
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2842864
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2843127
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2843487
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2843593
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2843694
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2843740
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2844519
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2844533
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2844916
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2845286
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2845449
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2845450
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2845880
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2846212
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2847014
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2847133
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2847615
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2848223
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2849008
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2850822
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2850903
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2851518
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2852229
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2853428
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2853850
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2854012
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2854356
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2854666
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2854872
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2855525
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2856206
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2856785
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2857140
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2857558
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2857724
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2857750
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2858865
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2859075
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2859818
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2860663
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2861040
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2862339
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2864467
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2864744
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2865150
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2865449
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2865477
(00) 01.01.2019
(00) EPV lapsed

(11) EP2865489
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2867023
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2867520
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2867910
(00) 01.01.2019
(00) EPV lapsed

(11) EP2868281
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2868727
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2869548
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2871047
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2872842
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2872928
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2873646
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2873756
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2874087
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2875386
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2875933
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2875945
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2876017
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2876181
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2876241
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2876262
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2876701
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2876853
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2876931
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2877019
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2877071
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2878685
(00) 01.01.2019
(00) EPV lapsed

(11) EP2878707
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2878813
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2879225
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2879931
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2879965
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2881125
(00) 01.01.2019
(00) EPV lapsed

(11) EP2881174
(00) 01.01.2019
(00) EPV lapsed

(11) EP2881588
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2882286
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2882289
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2883337
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2883928
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2884115
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2884312
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2885376
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2885570
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2886886
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2887024
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2887040
(00) 01.01.2019
(00) EPV lapsed

(11) EP2887054
(00) 01.01.2019
(00) EPV lapsed

(11) EP2887177
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2887526
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2887850
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2888005
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2888146
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2888552
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2888645
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2888790
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2888933
(00) 01.01.2019
(00) EPV lapsed

(11) EP2889120
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2889146
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2889161
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2889388
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2889397
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2889529
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2889751
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2890251
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2890374
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2890379
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2890825
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2890848
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2891012
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2891018
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2892095
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2892284
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2893067
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2893261
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2894007
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2894148
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2894203
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2894217
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2894258
(00) 01.01.2019
(00) EPV lapsed

(11) EP2894891
(00) 01.01.2019
(00) EPV lapsed

(11) EP2895081
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2895115
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2895176
(00) 01.01.2019
(00) EPV lapsed

(11) EP2895229
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2896758
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2896788
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2897752
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2898828
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2900354
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2900808
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2901061
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2901254
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2901782
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2902435
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2902983
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2903014
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2903098
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2903180
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2903411
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2903927
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2904908
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2905075
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2905949
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2906198
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2906438
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2907059
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2907186
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2907500
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2907585
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2907658
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2907896
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2907905
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2907970
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2908148
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2908354
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2908394
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2908425
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2908439
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2909261
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2909934
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2910802
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2910979
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2911338
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2911479
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2912290
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2913139
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2913777
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2914257
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2914347
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2915682
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2916128
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2916601
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2916627
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2917203
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2917694
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2918476
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2918886
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2918891
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2919507
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2919605
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2919655
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2919919
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2920053
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2920342
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2920346
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2920431
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2921078
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2921079
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2921127
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2921132
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2922137
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2922246
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2922530
(00) 01.01.2019
(00) EPV lapsed

(11) EP2923020
(00) 01.01.2019
(00) EPV lapsed

(11) EP2923464
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2923524
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2923788
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2924270
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2924327
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2924496
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2925371
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2925865
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2926260
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2926345
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2926603
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2926652
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2926849
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2927708
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2928322
(00) 01.01.2019
(00) EPV lapsed

(11) EP2928740
(00) 01.01.2019
(00) EPV lapsed

(11) EP2928741
(00) 01.01.2019
(00) EPV lapsed

(11) EP2928938
(00) 01.01.2019
(00) EPV lapsed

(11) EP2929069
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2929134
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2929312
(00) 01.01.2019
(00) EPV lapsed

(11) EP2929373
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2929740
(00) 01.01.2019
(00) EPV lapsed

(11) EP2930368
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2930641
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2930734
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2931049
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2931112
(00) 01.01.2019
(00) EPV lapsed

(11) EP2931168
(00) 01.01.2019
(00) EPV lapsed

(11) EP2931204
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2931724
(00) 01.01.2019
(00) EPV lapsed

(11) EP2931748
(00) 01.01.2019
(00) EPV lapsed

(11) EP2931883
(00) 01.01.2019
(00) EPV lapsed

(11) EP2931988
(00) 01.01.2019
(00) EPV lapsed

(11) EP2932053
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2932221
(00) 01.01.2019
(00) EPV lapsed

(11) EP2933247
(00) 01.01.2019
(00) EPV lapsed

(11) EP2934145
(00) 01.01.2019
(00) EPV lapsed

(11) EP2934358
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2934364
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2935445
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2936647
(00) 01.01.2019
(00) EPV lapsed

(11) EP2936648
(00) 01.01.2019
(00) EPV lapsed

(11) EP2936746
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2937196
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2937313
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2938098
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2938196
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2938221
(00) 01.01.2019
(00) EPV lapsed

(11) EP2938306
(00) 01.01.2019
(00) EPV lapsed

(11) EP2938315
(00) 01.01.2019
(00) EPV lapsed

(11) EP2938406
(00) 01.01.2019

(00) EPV lapsed

(11) EP2938407
(00) 01.01.2019
(00) EPV lapsed

(11) EP2938549
(00) 01.01.2019
(00) EPV lapsed

(11) EP2938595
(00) 01.01.2019
(00) EPV lapsed

(11) EP2938709
(00) 01.01.2019
(00) EPV lapsed

(11) EP2938878
(00) 01.01.2019
(00) EPV lapsed

(11) EP2939290
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2939355
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2940004
(00) 01.01.2019
(00) EPV lapsed

(11) EP2940255
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2940349
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2940767
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2941913
(00) 01.01.2019
(00) EPV lapsed

(11) EP2942926
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2943167
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2943336
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2944402
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2945794
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2945997
(00) 01.01.2019
(00) EPV lapsed

(11) EP2946055
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2946219
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2946869
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2947071
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2947073
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2947985
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2948265
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2948301
(00) 01.01.2019
(00) EPV lapsed

(11) EP2948478
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2949811
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2950047
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2950491
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2951153
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2951287
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2951468
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2951713
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2951783
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2952399
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2953301
(00) 01.01.2019
(00) EPV lapsed

(11) EP2953479
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2953547
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2953896
(00) 01.01.2019
(00) EPV lapsed

(11) EP2954144
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2954746
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2954852
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2955397
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2955636
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2956113
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2956260
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2956286
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2956287
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2956530
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2956699
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2956940
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2957287
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2957774
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2957822
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2957906
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2958419
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2958575
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2959208
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2959566
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2959669
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2960647
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2961936
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2961940
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2962412
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2962638
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2963126
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2963194
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2963744
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2963751
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2964203
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2964419
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2964544
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2964555
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2964857
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2964888
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2965454
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2966166
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2966353
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2966646
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2967537
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2967787
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2968897
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2969654
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2971220
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2973447
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2974628
(00) 01.01.2019
(00) EPV lapsed

(11) EP2975350
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2975377
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2975448
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2975473
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2976324
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2977859
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2980519
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2981159
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2982185
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2982695
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2983096
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2984666
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2985820
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2985923
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2985980
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2986698
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2986700
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2986704
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2987231
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2987578
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2987884
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2988512
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2989122
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2989340
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2989431
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2989487
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2989522
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2989649
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2989740
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2989939
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2990141
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2990460
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2990560
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2990574
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2990612
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2990920
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2991260
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2991335
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2991396
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2991612
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2991788
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2992026
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2992396
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2992410
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2992740
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP2993054
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2993055
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2993124
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2993848
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2994008
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2994171
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2994828
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2994877
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2994903
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2995161
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2995218
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2996145
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2996302
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2997610
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2997909
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2998565
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2998629
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2998650
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP2999511
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3000645
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3000668
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3001221
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3001700
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3002324
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3002630
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3003541
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3005387
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3005493
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3005775
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3005959
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3006504
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3006731
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3006891
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3007352
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3007482
(00) 01.01.2019
(00) EPV lapsed

(11) EP3009255
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3010016
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3010077
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3010194
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3010637
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3011069
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3011515
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3011814
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3012321
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3012336
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3012774
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3013624
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3014004
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3014677
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3015286
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3015287
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3015816
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3016185
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3016467
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3016563
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3016610
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3017375
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3017684
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3018052
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3018224
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3019518
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3019519
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3019918
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3020021
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3020687
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3020964
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3021342
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3021393
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3022345
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3022594
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3022850
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3023127
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3023311
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3023761
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3025888
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3026175
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3026291
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3027622
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3027798
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3027956
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3028003
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3028915
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3028921
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3029761
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3029971
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3030164
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3031374
(00) 01.01.2019
(00) EPV lapsed

(11) EP3031543
(00) 01.01.2019

(00) EPV lapsed

(11) EP3031778
(00) 01.01.2019
(00) EPV lapsed

(11) EP3032073
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3032329
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3032653
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3033641
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3033982
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3034003
(00) 01.01.2019
(00) EPV lapsed

(11) EP3034128
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3034633
(00) 01.01.2019
(00) EPV lapsed

(11) EP3034653
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3034663
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3034934
(00) 01.01.2019
(00) EPV lapsed

(11) EP3035574
(00) 01.01.2019
(00) EPV lapsed

(11) EP3035682
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3035907
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3036456
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3036600
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3036883
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3036935
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3037085
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3037218
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3037516
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3037681
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3038614
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3039713
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3040335
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3040492
(00) 01.01.2019
(00) EPV lapsed

(11) EP3041539
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3041672
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3041815
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3042361
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3042431
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3042618
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3042984
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3043409
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3043708
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3044624
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3044755
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3044781
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3044913
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3045102
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3045114
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3045328
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3045617
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3045782
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3046151
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3046160
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3046314
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3046355
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3047500
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3047530
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3047550
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3047757
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3047916
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3048042
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3049214
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3049988
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3050470
(00) 01.01.2019
(00) EPV lapsed

(11) EP3050649
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3050723
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3050771
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3050803
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3050881
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3050884
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3051394
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3051558
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3052852
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3053673
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3053713
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3053835
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3053981
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3054253
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3054676
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3056212
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3056430
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3056790
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3056798
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3056817
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3056995
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3057179
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3057182
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3057304
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3057305
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3058198
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3058234
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3058781
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3059117
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3059164
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3059251
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3059532
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3059799
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3060032
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3060156
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3060228
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3060305
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3060568
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3060617
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3060782
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3061172
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3061186
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3061245
(00) 01.01.2019
(00) EPV lapsed

(11) EP3061264
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3061393
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3061598
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3062000
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3062141
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3062256
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3062427
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3062450
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3062530
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3063914
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3063935
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3064028
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3064134
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3064808
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3064871
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3064882
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3065317
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3066496
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3066560
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3066805
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3066806
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3066901
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3066902
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3066936
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3066958
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3067613
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3068895
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3069115
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3069221
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3069680
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3070381
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3070591
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3070673
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3070962
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3071268
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3071386
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3071475
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3072303
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3072562
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3073640
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3073889
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3074102
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3074392
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3074776
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3074918
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3075536
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3077201
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3077385
(00) 01.01.2019
(00) EPV lapsed

(11) EP3077453
(00) 01.01.2019
(00) EPV lapsed

(11) EP3078113
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3078631
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3078700
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3078867
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3078891
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3079284
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3079773
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3079824
(00) 01.01.2019
(00) EPV lapsed

(11) EP3080502
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3080887
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3081240
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3081373
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3082488
(00) 01.01.2019
(00) EPV lapsed

(11) EP3082696
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3082708
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3082778
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3083434
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3083562
(00) 01.01.2019
(00) EPV lapsed

(11) EP3083605
(00) 01.01.2019
(00) EPV lapsed

(11) EP3084757
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3084839
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3086267
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3086579
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3087070
(00) 01.01.2019
(00) EPV lapsed

(11) EP3087079
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3087322
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3087891
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3087931
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3088166
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3088526
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3088936
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3089968
(00) 01.01.2019
(00) EPV lapsed

(11) EP3090051
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3090133
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3090142
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3090204
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3090217
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3090967
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3091019
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3091202
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3091288
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3091592
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3091593
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3091792
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3091849
(00) 01.01.2019
(00) EPV lapsed

(11) EP3091928
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3091949
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3092183
(00) 01.01.2019

(00) EPV lapsed

(11) EP3092460
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3093122
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3093537
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3093874
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3093955
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3094005
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3094124
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3094436
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3095294
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3095532
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3095740
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3096046
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3096047
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3096848
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3097292
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3097324
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3098158
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3098689
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3098885
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3098964
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3099008
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3099124
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3099155
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3099604
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3100187
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3100478
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3100709
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3101029
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3101112
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3101391
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3101394
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3101423
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3101728
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3101805
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3101991
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3102041
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3102111
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3102180
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3102502
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3102658
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3102840
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3102845
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3103150
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3103395
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3103517
(00) 01.01.2019
(00) EPV lapsed

(11) EP3103765
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3103834
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3104039
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3104406
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3104669
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3104911
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3104912
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3105166
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3105786
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3105878
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3105934
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3105957
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3105982
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3106134
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3106136
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3106428
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3106473
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3106732
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3107135
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3107994
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3108262
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3108281
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3108528
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3108542
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3108989
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3109100
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3109986
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3109995
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3110181
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3110379
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3110593
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3110638
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3110931
(00) 01.01.2019
(00) EPV lapsed

(11) EP3111045
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3111070
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3111081
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3111656
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3111675
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3111886
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3111932
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3112190
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3112337
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3112489
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3112534
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3112781
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3112797
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3112867
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3113014
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3113067
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3113176
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3113258
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3113433
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3113561
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3114046
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3115056
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3115731
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3116185
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3116445
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3116918
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3117683
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3117927
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3117997
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3119485
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3119633
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3120315
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3120724
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3121322
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3121490
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3121924
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3121961
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3123579
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3123598
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3123914
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3124327
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3124900
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3125145
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3125324
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3125325
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3125643
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3126185
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3127973
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3128926
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3129630
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3130692
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3131755
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3132286
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3132827
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3132976
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3132991
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3133349
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3133794
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3134116
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3134701
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3134950
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3135388
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3135564
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3135843
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3135888
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3136426
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3136545
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3136809
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3138861
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3138979
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3139005
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3139297
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3140067
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3140515
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3141217
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3141378
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3141637
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3141927
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3142424
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3144132
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3144608
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3144845
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3145418
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3146089
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3147218
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3147286
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3147743
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3147971
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3147994
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3148075
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3148106
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3149124
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3149130
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3150623
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3151392
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3151405
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3151426
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3151618
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3152097
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3152122
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3152128
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3152386
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3152621
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3152735
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3153093
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3154213
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3154243
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3154978
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3155490
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3155494
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3156043
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3156353
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3156534
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3156806
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3157886
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3158418
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3158883
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3159773
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3160051
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3160893
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3161199
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3162643
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3162645
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3162952
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3163242
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3163796
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3164111
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3164404
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3164470
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3164472
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3164707
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3164825
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3165116
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3165335
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3165393
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3166334
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3166652
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3167785
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3168155
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3169015
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3169045
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3169153
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3169197
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3169415
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3169845
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3170594
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3170709
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3170809
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3170887
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3171205
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3172305
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3172862
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3172906
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3172979
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3173235
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3173563
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3173797
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3174348
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3174671
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3175505
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3175531
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3175980
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3176015
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3176016
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3176072
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3176090
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3176092
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3176317
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3176633
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3177213
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3177558
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3179053
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3179145
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3179543
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3179674
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3179705
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3179814
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3179853
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3180511
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3180679
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3180814
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3180827
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3180984
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3181225
(00) 01.01.2019
(00) EPV lapsed

(11) EP3181348
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3181505
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3181638
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3182264
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3182380
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3182422
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3182484
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3182570
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3182793
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3184379
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3184448
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3184787
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3184840
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3184867
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3184980
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3185125
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3185269
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3185391
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3185709
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3186041
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3186193
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3186898
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3187381
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3187758
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3188357
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3188544
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3188697
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3188731
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3188932
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3189800
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3190010
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3190135
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3190255
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3191259
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3191538
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3192407
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3192673
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3192694
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3192724
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3192892
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3193047
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3193051
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3193060
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3193188
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3193677
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3194072
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3194185
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3194210
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3194518
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3194746
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3195181
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3195323
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3196898
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3196969
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3196985
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3197075
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3197587
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3197956
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3198011
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3198311
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3198399
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3199405
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3199695
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3201651
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3201707
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3201921
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3202063
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3202427
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3202523
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3202591
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3202767
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3203200
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3203204
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3203715
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3204374
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3204456
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3204581
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205289
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205368
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205589
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205834
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205837
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205838
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205848
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205853
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205911
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3205981
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3206430
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3206459
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3206833
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3206916
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3206970
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3207235
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3207244
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3207776
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3207911
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3208006
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3208349
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3208473
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3210852
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3210889
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3211481
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3211905
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3211953
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3212155
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3212488
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3212647
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3213633
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3214252
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3214673
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3214757
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3215106
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3215653
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3216477
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3216963
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3216991
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3217248
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3217951
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3219171
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3220701
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3220793
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3221760
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3222579
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3222978
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3222980
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3223132
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3223387
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3223945
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3224184
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3225516
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3225903
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3226362
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3226500
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3226696
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3226697
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3227011
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3227282
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3227459
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3227472
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3227859
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3228000
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3228387
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3229214
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3229300
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3229541
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3229590
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3230174
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3230257
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3230563
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3230645
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3230704
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3231357
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3231504
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3231628
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3231693
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3232042
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3232099
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3232400
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3232445
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3232760
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3233125
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3233161
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3233172
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3233256
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3233996
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3234092
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3234220
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3234479
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3234716
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3235179
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3235535
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3236640
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3236921
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3237380
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3239387
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3239779
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3239781
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3239844
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3240373
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3240593
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3240730
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3240818
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3241696
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3241710
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3241891
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3242522
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3242824
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3242827
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3243205
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3243709
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3244529
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3245099
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3245254
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3245680
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3245940
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3246407
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3247089
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3247466
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3247621
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3247673
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3248088
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3248451
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3248895
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3249333
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3250404
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3250667
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3250796
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3251311
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3251429
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3251903
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3251970
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3252263
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3252527
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3252784
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3252834
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3253128
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3253264
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3253334
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3253706
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3253758
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3254040
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3254066
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3254316
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3254525
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3254583
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3254596
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3254759
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3254801
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3254955
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3255097
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3255327
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3255409
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3255699
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3255803
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256312
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256611
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256675
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256676
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256698
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256713
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256781
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256871
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3256934
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3257164
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3257272
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3257389
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3257671
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3257975
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3258093
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3258477
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3258790
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3258808
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3258892
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3258985
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3259021
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3259083
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3259144
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3259226
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3259234
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3259390
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3260062
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3260307
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3260332
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3260868
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3260918
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3260983
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3261289
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3261510
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3261658
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3261699
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3261817
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3261838
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3261856
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3261904
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262186
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262232
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262301
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262388
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262403
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262634
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262653
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262654
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3262941
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3263239
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3263380
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3263574
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3263757
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3263858
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3264713
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3264789
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3264840
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3264873
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3264931
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3266055
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3266656
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3266812
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3266840
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3266849
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3266882
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3266883
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3267226
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3267556
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3268209
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3268258
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3268259
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3268626
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3269606
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3269643
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3269745
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3269853
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3269877
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3271093
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3271215
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3271637
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3272909
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3274238
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3274419
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3275735
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3276505
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3277543
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3278178
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3278203
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3278332
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3278770
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3279535
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3280096
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3280192
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3280560
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3281654
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3281662
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3282231
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3283815
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3284711
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3284842
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3285394
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3285672
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3286235
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3286412
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3286416
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3286839
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3287337
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3287606
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3287630
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3287775
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3287857
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3288737
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3288738
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3288924
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3289134
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3289978
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3290178
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3290259
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3290260
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3290274
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3290278
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3290548
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3291076
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3291235
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3291337
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3291475
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3291915
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3292240
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3292374
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3292613
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3292892
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3293029
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3293472
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3293504
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3293808
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3293988
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3294202
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3294379
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3294596
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3294994
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3295012
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3295614
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3295862
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3296078
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3296610
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3297055
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3297066
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3297568
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3297875
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3297993
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3298285
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3298287
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3298303
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3298580
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3298813
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3298827
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3299402
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3299530
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3301137
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3301334
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3301385
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3301417
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3301420
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3301599
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3301607
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3302171
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3302182
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3302340
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3302627
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303081
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303199
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303430
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303496
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303517
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303591
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303804
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303908
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303918
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303933
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3303957
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3304563
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3305573
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3305611
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3306046
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3306274
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3306719
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3306838
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3306853
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3307073
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3307174
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3307861
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3307862
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3308107
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3308117
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3309862
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3310553
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3310591
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3310725
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3310946
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3311091
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3311533
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3312053
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3312060
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3312550
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3313200
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3313930
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3314051
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3314055
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3315280
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3315331
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3315970
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3316564
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3317139
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3317283
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3317352
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3317515
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3317674
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3317734
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3317747
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3318689
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3319814
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3319821
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3319866
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3320124
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3320574
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3320766
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3321099
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3321473
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3321743
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3322457
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3322893
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3324152
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3325803
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3326227
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3326777
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3327422
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3327804
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3328634
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3328670
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3328961
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3329238
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3329239
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3332090
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3332206
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3332482
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3332761
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3332944
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3333018
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3335805
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3336002
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3336476
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3337084
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3339488
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3339593
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3339728
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3339887
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3340397
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3341651
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3342291
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3342497
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3344835
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3347158
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3348082
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3348295
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3348476
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3349297
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3349308
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3351687
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3352665
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3353785
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3354559
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3355522
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3355680
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3359871
(00) 03.04.2019

(00) EPV Ceased Effect

(11) EP3359873
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3360563
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3360678
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3360759
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3360819
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3360921
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3361718
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3361828
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3363106
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3364421
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3366563
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3366703
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3368590
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3369897
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3374731
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3375111
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3380243
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3381243
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3385075
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3385105
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3386034
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3387769
(00) 03.04.2019
(00) EPV Ceased Effect

(11) EP3387851
(00) 03.04.2019
(00) EPV Ceased Effect

VRB

Verbeteringen op eerdere publicaties.
Contains data concerning corrections.

(11) 2019904
(48) 02.08.2019
(00) Correction documents
(51) C08L 33/08
D06P 1/655
D06P 1/60
D06P 1/52

(11) 300501
(00) 01.08.2019
(00) clerical error filing date extension

CO

Ingeschreven overdrachten.
Contains data concerning registered assignments or change of owners.

(71) ALBEA UK LIMITED
(73) ALBEA UK LIMITED
(11) EP2155488
(00) 25.07.2019
(51) B32B 27/08
B65D 35/08
(00) Assignment

(71) EFFE TRADE S.r.l.
(73) EFFE TRADE S.r.l.
(11) EP1905944
(00) 25.07.2019
(51) E06B 9/54
E06B 9/58
(00) Assignment

(71) ASSA ABLOY Opening Solutions Bulgaria EOOD
(73) ASSA ABLOY Opening Solutions Bulgaria EOOD
(11) EP2126256
(00) 19.07.2019
(51) E05B 27/00
E05B 35/00
E05B 31/00
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2397995
(00) 25.07.2019
(51) G07B 15/00
G07C 11/00
(00) Change of owner(s) name

(71) EFFE TRADE S.r.l.
(73) EFFE TRADE S.r.l.
(11) EP1903175
(00) 25.07.2019
(51) E06B 9/52
(00) Assignment

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2362644
(00) 25.07.2019
(51) H04N 21/462
H04N 21/482
H04N 5/782
H04N 21/235
H04N 21/433
H04N 21/435
H04N 21/442
H04N 21/45
H04N 21/472
H04N 21/475
H04N 21/84
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2361448
(00) 25.07.2019
(51) H01Q 1/12
H01Q 3/04
H01Q 19/13
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2273607
(00) 25.07.2019
(51) H01Q 1/02
(00) Change of owner(s) name

(71) EFFE TRADE S.r.l.
(73) EFFE TRADE S.r.l.
(11) EP2469009
(00) 25.07.2019
(51) E06B 9/54
(00) Assignment

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2499825
(00) 25.07.2019
(51) H04N 7/173
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2506699
(00) 25.07.2019
(51) H05K 7/20
H04N 21/40
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2342897
(00) 25.07.2019
(51) H04N 7/16
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2553670
(00) 25.07.2019
(51) G08C 17/02
H04B 17/00
H04L 12/28
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2446367
(00) 25.07.2019
(51) G06F 13/38
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2503863
(00) 25.07.2019
(51) H05K 5/00
H04N 21/00
H05K 7/20
(00) Change of owner(s) name

(71) Groupe Santé Devonian Inc.
(73) Groupe Santé Devonian Inc.
(11) EP1663268
(00) 25.07.2019
(51) A61K 35/66
A61K 36/00
A61K 36/21
A23L 1/30
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2628042
(00) 25.07.2019
(51) G02B 27/01
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2561498
(00) 25.07.2019
(51) G08C 17/00
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2528170
(00) 25.07.2019
(51) H01R 103/00
H01R 24/50
H01R 12/72
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2457194
(00) 25.07.2019
(51) G06K 7/00
G06K 19/077
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2580810
(00) 25.07.2019
(51) H01Q 3/08
H01Q 3/02
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2525319
(00) 25.07.2019
(51) G06Q 30/02
H04N 21/80
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2283653
(00) 25.07.2019
(51) H04L 29/08
H04N 21/239
H04N 21/24
H04N 21/6338
H04N 21/6402
H04W 28/16
H04W 72/04
H04L 12/801
H04N 7/173
(00) Change of owner(s) name

(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2525580
(00) 25.07.2019

(51) H04N 13/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2449764
(00) 25.07.2019
(51) H04N 5/44
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2506446
(00) 25.07.2019
(51) H04B 3/54
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2747050
(00) 25.07.2019
(51) G08C 23/04
(00) Change of owner(s) name
(71) EFFE TRADE S.r.l.
(73) EFFE TRADE S.r.l.
(11) EP2857630
(00) 25.07.2019
(51) E06B 9/58
E06B 9/54
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2833549
(00) 25.07.2019
(51) H03G 5/00
H03G 9/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2460346
(00) 25.07.2019
(51) H04N 5/445
H04N 5/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2624577
(00) 25.07.2019
(51) H04N 21/2343
H04N 21/258
(00) Change of owner(s) name
(71) Xylem Industries S.à.r.l.
(73) Xylem Europe GmbH
(11) EP2932097
(00) 25.07.2019
(51) F04B 17/03
F04B 53/08
F04D 29/40
F04D 29/58
H02K 5/20
H02K 9/14
F04D 13/06
(00) Merge
(71) Millennium Pharmaceuticals, Inc.
(73) Millennium Pharmaceuticals, Inc.
(11) EP2582701
(00) 24.07.2019
(51) C07D 471/10
A61K 31/438
A61P 1/08
(00) Assignment
(71) Aclaris Therapeutics, Inc.
(73) Aclaris Therapeutics, Inc.
(11) EP2645993
(00) 25.07.2019
(51) A61K 9/10
A61K 31/4174
A61K 47/10
A61K 47/14
A61K 9/00
A61K 9/107
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2460344
(00) 25.07.2019
(51) H04N 5/00
H04N 5/94
H04N 5/76
H04N 21/4147
H04N 21/433
H04N 21/44
H04N 21/443
H04N 21/458
H04N 21/475
H04N 21/488
G11B 27/36
H04N 21/442
H04N 21/472
H04N 9/79
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2338275
(00) 25.07.2019
(51) H04N 5/781
H04N 5/445
H04N 5/76
H04N 5/907
H04N 21/431
H04N 21/472
H04N 21/4147
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2519020
(00) 25.07.2019
(51) H04N 21/414
H04N 21/45
H04N 21/475
H04N 21/436
H04N 21/454
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2656530
(00) 25.07.2019
(51) H04L 1/16
H04L 1/18
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2484109
(00) 25.07.2019
(51) H04N 5/445
H04N 7/173
H04N 21/482
H04N 21/234
H04N 21/262
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2592783
(00) 25.07.2019
(51) H04L 12/26
H04L 29/06
H04L 12/28
H04N 21/436
H04N 21/44
H04N 21/488
H04N 21/443
H04N 21/439
H04N 21/454
(00) Change of owner(s) name
(71) EFFE TRADE S.r.l.
(73) EFFE TRADE S.r.l.
(11) EP2746524
(00) 25.07.2019
(51) E06B 9/42
E06B 9/54
E06B 9/58
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2501211
(00) 25.07.2019
(51) H05K 7/20
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2392133
(00) 25.07.2019
(51) H04N 5/445
H04N 13/00
(00) Change of owner(s) name
(71) ASSA ABLOY Opening Solutions Bulgaria EOOD
(73) ASSA ABLOY Opening Solutions Bulgaria EOOD
(11) EP2989272
(00) 19.07.2019
(51) E05B 9/04
E05B 17/20
(00) Change of owner(s) name
(71) Xylem Europe GmbH
(73) Xylem Europe GmbH
(11) EP2932097
(00) 25.07.2019
(51) F04B 17/03
F04B 53/08
F04D 29/40
F04D 29/58
H02K 5/20
H02K 9/14
F04D 13/06
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2973204
(00) 25.07.2019
(51) G06K 7/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.

(11) EP2499812
(00) 25.07.2019
(51) H04N 21/2743
H04N 21/2668
H04N 21/475
H04N 21/61
H04N 7/173
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2490443
(00) 25.07.2019
(51) H04N 5/91
H04N 5/782
H04N 9/82
H04N 21/4147
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2501127
(00) 25.07.2019
(51) H04N 5/45
G06F 9/48
H04N 21/458
H04N 21/443
H04N 5/50
H04N 21/438
H04N 21/431
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2624116
(00) 25.07.2019
(51) G06F 3/0488
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2510685
(00) 25.07.2019
(51) H04N 5/765
H04N 5/781
H04N 21/4147
G06F 11/14
G11B 27/034
H04N 21/426
H04N 21/418
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2749032
(00) 25.07.2019
(51) H04N 9/80
G11B 27/10
H04N 5/76
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2525570
(00) 25.07.2019
(51) H04N 5/445
H04N 21/4728
H04N 21/482
H04N 21/431
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2618562
(00) 25.07.2019
(51) H04N 5/782
H04N 21/235
H04N 21/433
H04N 21/435
H04N 21/442
H04N 21/45
H04N 21/472
H04N 21/475
H04N 21/84
H04N 21/462
H04N 9/79
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2575357
(00) 25.07.2019
(51) H04N 5/445
H04N 21/84
H04N 21/422
H04N 21/482
H04N 21/466
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2826242
(00) 25.07.2019
(51) H04N 7/20
H04N 21/426
H04N 21/433
H04N 21/472
H04N 21/482
H04N 5/782
H04N 5/775
H04N 7/173
H04N 5/44
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2791756
(00) 25.07.2019
(51) G06F 1/32
H04N 21/63
H04N 21/436
H04N 21/442
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2525568
(00) 25.07.2019
(51) H04N 5/445
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2749020
(00) 25.07.2019
(51) H04N 21/433
H04N 21/434
H04N 21/4405
H04N 21/458
H04N 21/482
H04N 5/775
(00) Change of owner(s) name
(71) ASSA ABLOY Opening Solutions Bulgaria EOOD
(73) ASSA ABLOY Opening Solutions Bulgaria EOOD
(11) EP2992152
(00) 19.07.2019
(51) E05B 9/04
E05B 17/04
E05B 17/20
E05B 15/16
E05B 9/10
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2887624
(00) 25.07.2019
(51) G06F 17/28
H04N 21/41
H04N 21/43
H04N 21/4363
G10L 21/10
G10L 21/02
G06F 3/16
G10L 15/26
H04W 4/00
G10L 21/038
H04M 1/725
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2534831
(00) 25.07.2019
(51) H04N 5/782
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2482190
(00) 25.07.2019
(51) G06F 11/26
G06F 11/273
(00) Change of owner(s) name
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2477865
(00) 22.07.2019
(51) B61F 5/22
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2876886
(00) 25.07.2019
(51) H04N 21/422
H04N 5/44
(00) Change of owner(s) name
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3119658
(00) 22.07.2019
(51) B61F 5/52
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3250436
(00) 22.07.2019
(51) B61F 5/32
B61H 5/00
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2656621
(00) 25.07.2019

(51) H04N 21/44
H04N 21/4725
H04N 21/858
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2463855
(00) 25.07.2019
(51) G06F 17/30
H04N 21/439
H04N 21/454
(00) Change of owner(s) name
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3049689
(00) 22.07.2019
(51) F16D 65/12
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2656504
(00) 25.07.2019
(51) H03M 11/20
G06F 3/023
(00) Change of owner(s) name
(71) KoDiscovery, LLC
(73) KoDiscovery, LLC
(11) EP2063881
(00) 25.07.2019
(51) A61K 31/19
A61K 47/26
A61P 35/00
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2749039
(00) 25.07.2019
(51) H04N 21/432
H04N 21/4405
H04N 21/462
H04N 21/482
(00) Change of owner(s) name
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3250425
(00) 22.07.2019
(51) B60T 17/22
F16D 66/02
F16D 66/00
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3326235
(00) 22.07.2019
(51) H01Q 1/12
H01Q 1/32
H01Q 15/00
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2525281
(00) 25.07.2019
(51) G06F 3/0481
H04N 5/445
H04N 21/442
H04N 21/488
(00) Change of owner(s) name
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2766240
(00) 22.07.2019
(51) B61D 23/02
(00) Assignment
(71) Groupe Santé Devonian Inc.
(73) Groupe Santé Devonian Inc.
(11) EP2558062
(00) 25.07.2019
(51) A61Q 19/00
A61Q 19/08
A61K 8/99
A61K 36/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2826197
(00) 25.07.2019
(51) H04N 21/61
H04N 21/2347
H04N 21/2389
H04N 21/266
H04N 21/418
H04N 21/63
H04N 21/6334
H04N 7/167
(00) Change of owner(s) name
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3250396
(00) 22.07.2019
(51) B60B 17/00
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2731345
(00) 25.07.2019
(51) H04N 21/4402
H04N 21/4405
H04N 21/462
H04N 21/4627
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2266257
(00) 25.07.2019
(51) H04L 12/28
H04N 7/173
H04N 21/426
H04L 29/06
(00) Change of owner(s) name
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2868546
(00) 22.07.2019
(51) B61K 3/02
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2841318
(00) 22.07.2019
(51) B61F 5/00
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2840712
(00) 25.07.2019
(51) H03G 5/00
H03G 9/00
(00) Change of owner(s) name
(71) PRAXIS INTERNATIONAL PTE. LTD.
(73) PRAXIS INTERNATIONAL PTE. LTD.
(11) 2004191
(00) 26.07.2019
(51) B29C 53/58
B29C 70/86
B29C 33/76
B29C 70/32
(00) Assignment
(71) Colubris Cleantech B.V.
(73) Colubris Cleantech B.V.
(11) 2008384
(00) 29.07.2019
(51) B03D 1/24
B03D 1/14
(00) Change of owner(s) name
(71) Holcim Technology Ltd
(73) Holcim Technology Ltd
(11) EP1315683
(00) 30.07.2019
(51) C04B 7/52
C04B 20/00
C04B 14/48
(00) Assignment
(71) LafargeHolcim Ltd
(73) Holcim Technology Ltd
(11) EP1315683
(00) 30.07.2019
(51) C04B 7/52
C04B 20/00
C04B 14/48
(00) Assignment
(71) JAPAN NUTRITION Co., Ltd.
(73) JAPAN NUTRITION Co., Ltd.
(11) EP1566446
(00) 26.07.2019
(51) C12P 19/12
C12P 19/14
A23K 1/16
A23K 1/18
A61K 31/7016
A61P 31/04
C07H 3/04
(00) Assignment
(71) Holcim Technology Ltd
(73) Holcim Technology Ltd
(11) EP1568671
(00) 30.07.2019
(51) C04B 38/10
C04B 28/14
B28C 5/38
B28C 5/12
(00) Assignment
(71) LafargeHolcim Ltd
(73) Holcim Technology Ltd
(11) EP1568671
(00) 30.07.2019
(51) C04B 38/10
C04B 28/14
B28C 5/38
B28C 5/12
(00) Assignment
(71) LafargeHolcim Ltd

(73) Holcim Technology Ltd
(11) EP1781579
(00) 30.07.2019
(51) C04B 7/32
C04B 28/06
(00) Assignment

(71) Holcim Technology Ltd
(73) Holcim Technology Ltd
(11) EP1781579
(00) 30.07.2019
(51) C04B 7/32
C04B 28/06
(00) Assignment

(71) Humanetics Innovative Solutions, Inc.
(73) Humanetics Innovative Solutions, Inc.
(11) EP2245438
(00) 29.07.2019
(51) G01M 7/00
G01M 17/00
G01N 3/00
(00) Assignment

(71) ECOseals B.V.
(73) ECOseals B.V.
(11) EP2754753
(00) 26.07.2019
(51) E02D 29/14
(00) Assignment

(71) ECOseals B.V.
(73) ECOseals B.V.
(11) 1041755
(00) 26.07.2019
(51) E01C 9/08
(00) Assignment

(71) Isonova V.O.F.
(73) Isonova V.O.F.
(11) EP2682886
(00) 26.07.2019
(51) G06F 19/00
H04L 12/28
H04W 84/10
(00) Assignment

(71) ECOseals B.V.
(73) ECOseals B.V.
(11) 2015687
(00) 26.07.2019
(51) E01C 9/00
E01C 5/20
A01K 1/015
B08B 17/02
B60S 5/02
F16N 31/00
(00) Assignment

(71) Pfizer Consumer Healthcare Italy S.r.l.
(73) Pfizer Consumer Healthcare Italy S.r.l.
(11) EP2385837
(00) 26.07.2019
(51) A61K 35/74
C12N 1/20
A61P 1/00
(00) Assignment

(71) Kronospan ApS
(73) Kronospan ApS
(11) EP2813766
(00) 22.07.2019
(51) F24D 3/14
(00) Change of Legal Entity

(71) Seirlehner, Leopold
4passion Holding AG
(73) Seirlehner, Leopold
4passion Holding AG
(11) EP3126474
(00) 19.07.2019
(51) C10J 3/48
C10K 3/00
C10J 3/64
C10K 3/02
C10B 49/10
(00) Assignment

(71) PRAXIS INTERNATIONAL PTE. LTD.
(73) PRAXIS INTERNATIONAL PTE. LTD.
(11) EP2531339
(00) 26.07.2019
(51) B29C 53/58
B29C 70/86
B29C 33/76
B29C 70/32
B29C 70/22
B29C 70/48
B29C 53/80
B29C 53/82
B29L 31/00
B29L 31/30
B29L 31/32
(00) Assignment

(71) Board of Regents, The University of Texas System
BP Corporation North America Inc.
(73) Board of Regents, The University of Texas System
BP Corporation North America Inc.
(11) EP3259444
(00) 29.07.2019
(51) E21B 41/00
E21B 47/10
E21B 47/00
E21B 21/08
(00) Change of owner(s) name
(00) Correction of the applicant

(71) Alkahest, Inc.
(73) Alkahest, Inc.
(11) EP2417120
(00) 31.07.2019
(51) C07D 401/04
C07D 401/14
C07D 413/04
C07D 413/14
C07D 417/14
A61K 31/4523
A61K 31/454
A61P 31/00
A61P 35/00
A61P 37/00
(00) Assignment

(71) Alkahest, Inc.
(73) Alkahest, Inc.
(11) EP2625174
(00) 31.07.2019
(51) C07D 401/14
C07D 211/58
C07D 213/81
C07D 401/04
A61K 31/454
A61P 31/00
(00) Assignment

(71) SGL Carbon SE
(73) SGL Carbon SE
(11) EP2162634
(00) 30.07.2019
(51) F16G 11/04
F16G 11/00
(00) Assignment

(71) Sarah Herzog Memorial Hospital Ezrat Nashim Association
(73) Sarah Herzog Memorial Hospital Ezrat Nashim Association
(11) EP2670409
(00) 31.07.2019
(51) A61K 31/42
A61P 25/24
A61K 31/519
A61K 31/5513
A61K 31/496
A61K 45/06
(00) Assignment

(71) LU-VE S.P.A.
(73) LU-VE S.P.A.
(11) EP2829737
(00) 30.07.2019
(51) F04D 29/64
F04D 29/70
F24F 1/00
F24F 1/56
F24F 13/08
(00) Assignment

(71) Teleflex Life Sciences Unlimited Company
(73) Teleflex Life Sciences Unlimited Company
(11) EP3222316
(00) 30.07.2019
(51) A61M 25/00
A61M 25/01
A61M 27/00
B65D 75/32
B65D 85/24
B65D 81/22
B65B 55/08
B65B 55/16
B65B 61/20
B65D 75/58
(00) Change of owner(s) name

(71) Green Ammo AS
(73) Green Ammo AS
(11) EP2486363
(00) 30.07.2019
(51) F41A 33/04
F42B 8/00
F41A 33/02
F41A 33/00
(00) Assignment

(71) SGL Carbon SE
(73) SGL Carbon SE
(11) EP2998591
(00) 30.07.2019
(51) F16B 7/04
E04C 3/28
F16B 7/18
(00) Assignment

(71) Allergan Sales, LLC
(73) Allergan Sales, LLC
(11) EP3305298
(00) 31.07.2019
(51) A61K 31/575

A61P 3/04
(00) Assignment

(71) ALOIS KOBER GmbH
(73) ALOIS KOBER GmbH
(11) EP2712777
(00) 23.07.2019
(51) B60S 9/18
B60D 1/66
(00) Assignment

(71) Singh Molecular Medicine, LLC
(73) Singh Molecular Medicine, LLC
(11) EP3209685
(00) 23.07.2019
(51) C07K 16/18
A61K 39/395
(00) Assignment

(71) Liang, Peiling
(73) Liang, Peiling
(11) EP3290624
(00) 24.07.2019
(51) E05F 5/00
E05F 1/12
E05D 7/12
E05D 11/10
E05F 5/10
(00) Assignment

(71) Kuhn- Huard S.A.S.
(73) Kuhn- Huard S.A.S.
(11) EP3319409
(00) 31.07.2019
(51) A01B 3/36
A01B 63/00
(00) Assignment

TVH

Topografieën van halfgeleiderproducten.
Contains data concerning Semiconductors.