
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.	9	**Heading NP2** Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	9
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	11	**Heading NP3** Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	11
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	12	**Heading EP1** Contains data concerning translations of the conclusions of European patent applications.	12
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	13	**Heading EP2** Contains data concerning European patents granted for The Netherlands.	13
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.	287	**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.	287
Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzgde Europese octrooien.	339	**Heading EP4** Contains data concerning European patents granted in amended form for the Netherlands.	339
Rubriek EP5 Bevat gegevens betreffende voor Nederland verleende gewijzigde	340	**Heading EP5** Contains data concerning European patents granted in amended form for	340

Europese octrooien waarvoor een gewijzigde vertaling is ingediend.

The Netherlands in which an amended translation was filed.

Rubriek SPC 342 **Heading SPC** 342

Bevat gegevens betreffende ingeschreven en verleende certificaten

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

Rubriek VB1 343 **Heading VB1** 343

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 346 **Heading VB2** 346

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 347 **Heading MED** 347

Bevat gegevens betreffende overige mededelingen.

Contains data concerning other communications.

Rubriek VRV 352 **Heading VRV** 352

Bevat gegevens betreffende verval of nietigverklaring.

Contains data concerning lapse or annulment.

Rubriek VRB 396 **Heading VRB** 396

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

Contains data concerning corrections on earlier publications.

Rubriek CO 397 **Heading CO** 397

Bevat gegevens betreffende wijzigingen in het octrooiregister.

Contains data concerning changes in the Netherland patent register.

Rubriek TVH 404 **Heading TVH** 404

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) A01G 9/02
A01G 31/06
A01G 9/26
(21) 1042764
(22) 28.02.2018
(54) Kweeksysteem met compartimenten die aan de bovenzijde zijn afgebakend door een licht distribuerende bovenwand en die verder zijn voorzien van lichtreflecterende zijafschermingen
(71) 4Bever Beheer B.V.
(72) drs. ing. Rutger Emiel van Dierendonck
(41) 04.09.2019

(51) E01D 19/12
(21) 2020510
(22) 28.02.2018
(54) Method and assembly for building a bridge deck and bridge comprising such deck
(71) MINGFENG COMPOSITE EUROPE B.V.
(74) ir. H.Th. van den Heuvel c.s.
(72) Raymond Leemreijze
(41) 04.09.2019

(51) E06B 1/00
E06B 1/60
(21) 2022672
(22) 04.03.2019
(54) EEN WERKWIJZE EN KIT VOOR PLAATSING VAN GEVELELEMENTEN
(71) Alu Log NV
(74) ir. J.P.E. Brants
(72) Bart De Paepe
(31) 2018/5127
(32) 02.03.2018
(33) Belgium

(51) F02D 19/06
F02M 21/02
F02M 43/02
F02M 59/10
(21) 2020508
(22) 28.02.2018
(54) FUEL SUPPLY SYSTEM AND ASSEMBLY FOR INJECTING LlQUEFIED VAPOUR UNDER HIGH PRESSURE INTO A COMBUSTION CHAMBER
(71) Vialle Group B.V.
(74) ir. J.P.E. Brants
(72) Servatius Alfons Maria Jaasma

(51) G01R 29/08
G01R 19/00
G01R 1/067
(21) 2020509
(22) 28.02.2018
(54) Probe with broadband antenna
(71) DARE!! B.V.
(74) ir. P.J. Hylarides c.s.
(72) Patrick Walter Joseph Dijkstra
Antonius Josephus van Peer
(41) 04.09.2019

(51) G03F 7/20
(21) 2022606
(22) 21.02.2019
(54) Radiation shielding device and apparatus comprising such shielding device
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Franciscus Johannes Joseph Janssen
Philippe Jacqueline Johannes Hubertus Anthonius Habets
Günes Nakiboglu
Roger Wilhelmus Antonius Henricus Schmitz
Remco van de Meerendonk
Joris Dominicus Bastiaan Johannes van den Boom
Nicholas Peter Waterson
(31) 18160096.6
(32) 06.03.2018
(33) European Patent Office (EPO)

(51) G03F 7/20
(21) 2022644
(22) 27.02.2019
(54) PROLONGING OPTICAL ELEMENT LIFETIME IN AN EUV LITHOGRAPHY SYSTEM
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Yue Ma
Antonius Theodorus Wilhelmus Kempen
Klaus Martin Hummler
Johannes Hubertus Josephina Moors
Jeroen Hubert Rommers
Hubertus Johannes van de Wiel
Andrew David Laforge
Fernando Brizuela
Rob Carlo Wieggers
Umesh Prasad Gomes
Elena Nedanovska
Celal Korkmaz
Alexander Downn Kim
Rui Miguel Duarte Rodriges Nunes
Hendrikus Alphonsus Ludovicus van Dijck
William Peter van Drent
Peter Gerardus Jonkers
Qiushi Zhu
Parham Yaghoobi
Jan Steven Christiaan Westerlaken
Martinus Hendrikus Antonius Leenders
Alexander Igorevich Ershov
Igor Vladimirovich Fomenkov
Fei Liu
Johannes Henricus Wilhelmus Jacobs
Alexey Sergeevich Kuznetsov
(31) 62/638,778
62/736,108
62/803,057
(32) 05.03.2018
25.09.2018
08.02.2019
(33) United States of America
United States of America
United States of America

(51) G03F 7/20
(21) 2023649
(22) 16.08.2019
(54) Porous Graphitic Pellicle
(62) 2021947
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Arnoud Willem Notenboom
Mária Péter
Maxim Aleksandrovich Nasalevich
Evgenia Kurganova
Pieter-Jan van Zwol
David Ferdinand Vles
(31) 17202767.4
(32) 21.11.2017
(33) European Patent Office (EPO)

(51) G03F 7/20
H01L 21/02
(21) 2023656
(22) 16.08.2019
(54) A Treatment Tool for Cleaning a Substrate Support, a Lithographic Apparatus and a Method for Cleaning a Substrate Support
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Daniel Elza Roeland Audenaerdt
Coen Hubertus Matheus Baltis
Johannes Andreas Maria Ammerlaan
Catherine Leduc
Ronald van der Wilk

(51) H01L 25/00
(21) 2022620
(22) 21.02.2019
(54) SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE
(71) Shindengen Electric Manufacturing Co., Ltd
(74) mr. drs. A.J.W. Hooiveld c.s.
(72) Masao Nakagawa
Ryoji Kuwano
Yohei Shinotake
(31) PCT/JP2018/008019
(32) 02.03.2018
(33) Japan

(51) H01L 25/00
(21) 2022617
(22) 21.02.2019
(54) SEMICONDUCTOR DEVICE
(71) Shindengen Electric Manufacturing Co., Ltd
(74) mr. drs. A.J.W. Hooiveld c.s.

(72) Masao Nakagawa
Ryoji Kuwano
Yohei Shinotake
(31) PCT/JP2018/007731
(32) 01.03.2018
(33) Japan

---

(51) H01L 25/00
(21) 2022613
(22) 21.02.2019
(54) RESIN-SEALED TYPE SEMICONDUCTOR DEVICE
(71) Shindengen Electric Manufacturing Co., Ltd
(74) mr. drs. A.J.W. Hooiveld c.s.
(72) Masao Nakagawa
Ryoji Kuwano
Yohei Shinotake
(31) PCT/JP2018/008170
(32) 02.03.2018
(33) Japan

---

(51) H02M 3/335
H05B 33/08
(21) 2020507
(22) 28.02.2018
(54) Power converter for LED
(71) eldoLAB Holding B.V.
(74) ir. J.C. Volmer c.s.
(72) Marc Saes
Nicolaas Johannes Antonius Gommans
Franciscus Bernardus Marie van Horck
(41) 04.09.2019

---

(51) H02S 40/22
(21) 2022605
(22) 20.02.2019
(54) PREFORMED MULTILAYER REFLECTIVE SHEET FOR PHOTOVOLTAIC MODULE AND PRODUCTION METHOD
(71) COVEME S.p.A.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Luigi Marras
Matteo Racchi
(31) 102018000003348
(32) 07.03.2018
(33) Italy

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) A01G 9/02
A01G 31/06
A01G 9/26
(11) 1042764
(47) 04.09.2019
(22) 28.02.2018
(54) Kweeksysteem met compartimenten die aan de bovenzijde zijn afgebakend door een licht distribuerende bovenwand en die verder zijn voorzien van lichtreflecterende zijafschermingen
(73) 4Bever Beheer B.V.
(72) drs. ing. Rutger Emiel van Dierendonck

(51) A01K 41/00
(11) 2020125
(47) 10.09.2019
(22) 19.12.2017
(54) Werkwijze alsmede inrichting voor het uitbroeden van broedeieren en het begeleiden van net uitgekomen kuikens
(73) PETERSIME NV
(72) Luc Gabriël
Roger Banwell
Nicolaas Christiaens
(74) ir. C.M. Jansen c.s.
(31) 16002696.9
16002695.1
(32) 20.12.2016
20.12.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) B04B 5/00
(11) 2022193
(47) 10.09.2019
(22) 13.12.2018
(54) MICROPOROUS PLATE CENTRIFUGAL APPARATUS
(73) YANTAI DEMAI BIO-TECH LIMITED COMPANY
(72) Bo Yao
Lihai Zhang
Wei Shao
Ping Lin
(74) P.J. Pollard B.Eng

(51) B28D 1/18
B28D 1/00
B28D 7/00
B28B 11/12
B24B 7/22
(11) 2019862
(47) 10.09.2019
(22) 07.11.2017
(54) WERKWIJZE EN INRICHTING VOOR HET BEWERKEN VAN EEN DRIEDIMENSIONAAL, BETONNEN OBJECT
(73) Declercq Stortbeton NV
(72) Filip Declercq
(74) ir. J.P.E. Brants

(31) BE2016/5832
(32) 07.11.2016
(33) Belgium

(51) B41M 5/035
B41M 5/52
B41M 5/44
(11) 2020460
(47) 04.09.2019
(22) 19.02.2018
(54) Method for the preparation of a printed article by dye-sublimation
(73) Lamoral Holding B.V.
(72) Theodorus Matheus Maria Verweerden
Thom Martinus Johannes Mario Martens
Gernot Klaus Brueck
(74) dr. T. Wittop Koning PhD

(51) B65B 9/207
B65B 61/18
B29C 65/00
B65B 51/26
(11) 2021319
(47) 06.09.2019
(22) 17.07.2018
(54) PACKAGING MACHINE
(73) ULMA PACKAGING TECHNOLOGICAL CENTER, S.COOP.
(72) Alberto Otxoa-Aizpurua Calvo
Oscar Orue Irasuegui
Eneko Izquierdo Ereño
(74) ir. F.A. Geurts c.s.
(31) 17382534.0
(32) 02.08.2017
(33) European Patent Office (EPO)

(51) C02F 1/14
B01D 3/06
C02F 1/04
C02F 1/06
B01D 1/00
B01D 3/14
C02F 103/08
(11) 2020402
(47) 04.09.2019
(22) 08.02.2018
(54) A method for obtaining distillate from non-potable water as well as a device for obtaining distillate from non-potable water
(73) Desolenator B.V.
(72) Jiajun Cen
Wilhelmus Franciscus Johannes Janssen
Leon Awerbuch
(74) ir. C.G.C. Veldman-Dijkers

(51) C04B 28/02
C04B 20/10
E04B 1/74
E01F 8/00
(11) 2021653
(47) 10.09.2019
(22) 17.09.2018
(54) brandwerend geluidswand
(73) Profluid IP B.V.
(72) Gino Sirejacob
(74) ir. R. Wijnstra
(31) 17020476.2
17020522.3
(32) 17.10.2017
07.11.2017
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C10G 45/08
B01J 23/888
B01J 27/185
B01J 27/051
B01J 23/883
(11) 1043039
(47) 10.09.2019
(22) 12.10.2018
(54) PROCEDURE TO PREPARE A SUPPORTED TRIMETALLIC CATALYST FOR PRODUCTION OF ULTRA LOW SULFUR DIESEL AND ITS APPLICATION
(73) INSTITUTO MEXICANO DEL PETRÓLEO
(72) Blanca Lucia Medellín Rivera
Gonzalo Hernández Tapia
María del Rosario Socorro Luna Ramírez
Leonardo Díaz García
María Teresa Gómez Pérez
Roberto García de León
(74) drs. O. Griebling
(31) MX/a/2017/013114
(32) 12.10.2017
(33) Mexico

(51) E01D 19/12
(11) 2020510
(47) 04.09.2019
(22) 28.02.2018
(54) Method and assembly for building a bridge deck and bridge comprising such deck
(73) MINGFENG COMPOSITE EUROPE B.V.
(72) Raymond Leemreijze
(74) ir. H.Th. van den Heuvel c.s.

(51) E04B 1/76
(11) 2021905
(47) 06.09.2019
(22) 31.10.2018
(54) An improved thin insulation system
(73) Orion Financement
(72) Maxime Duran
Laurent Thierry
(74) ir. C.M. Jansen c.s.
(31) 1760291
(32) 31.10.2017
(33) France

(51) G01R 29/08
G01R 19/00
G01R 1/067
(11) 2020509
(47) 04.09.2019
(22) 28.02.2018
(54) Probe with broadband antenna

(73) DARE!! B.V.
(72) Patrick Walter Joseph Dijkstra
Antonius Josephus van Peer
(74) ir. P.J. Hylarides c.s.

(51) G03F 7/20
(11) 2021947
(47) 06.09.2019
(22) 07.11.2018
(54) Porous Graphitic Pellicle
(73) ASML Netherlands B.V.
(72) Arnoud Willem Notenboom
Mária Péter
Maxim Aleksandrovich Nasalevich
Evgenia Kurganova
Pieter-Jan van Zwol
David Ferdinand Vles
(74) ir. A.J. Maas
(31) 17202767.4
(32) 21.11.2017
(33) European Patent Office (EPO)

(51) H02M 3/335
H05B 33/08
(11) 2020507
(47) 04.09.2019
(22) 28.02.2018
(54) Power converter for LED
(73) eldoLAB Holding B.V.
(72) Marc Saes
Nicolaas Johannes Antonius Gommans
Franciscus Bernardus Marie van Horck
(74) ir. J.C. Volmer 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.

(51) A61K 31/714
A61K 33/26
A61P 3/02
A61K 45/00
(11) 2019348
(47) 19.02.2019
(22) 26.07.2017
(54) PHARMACEUTICAL COMPOSITION FOR USE IN THE TREATMENT OR PREVENTION OF VITAMIN DEFICIENCY AND MINERAL DEFICIENCY IN PATIENTS WHO HAVE BEEN SUBJECTED TO GASTRIC SLEEVE SURGERY
(73) AMS Advanced Medical Supplements B.V.
(72) Sjoerd Arie Pieter van Berkel
(00) Akte gedeeltelijke Afstand ingeschreven

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 45/02
A01D 34/68
A01D 34/74
(11) EP3106009
(21) EP16001303.3
(47) 11.09.2019
(22) 09.06.2016
(54) GARDEN CARE APPARATUS IN THE FORM OF A SCARIFIER, A MULCHING MOWER OR SIMILAR DEVICE
(73) Tielbürger, Dirk
(72) Tielbürger, Dirk
(31) 102015109895
(32) 19.06.2015
(33) Germany

(51) A01B 73/00
(11) EP3335533
(21) EP17401121.3
(47) 11.09.2019
(22) 07.12.2017
(54) MULTI-ROW PRECISION SEED DRILL WITH TELESCOPE FRAME
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG
(72) Mertens, Daniel
(31) 102016124131
(32) 13.12.2016
(33) Germany

(51) A01C 5/06
A01C 7/20
(11) EP3207785
(21) EP17401013.2
(47) 11.09.2019
(22) 09.02.2017
(54) SEED DRILL COULTER
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG
(72) Wilken, Martin
Hüer, Berthold
Tanke, Christian
(31) 102016102909
(32) 19.02.2016
(33) Germany

(51) A01C 5/06
A01C 7/20
A01C 7/06
(11) EP3357318
(21) EP18401011.4
(47) 11.09.2019
(22) 30.01.2018
(54) COULTER SUSPENSION
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG
(72) Bohlen, Eike
(31) 102017102310
(32) 07.02.2017
(33) Germany

(51) A01D 34/00
A01D 69/02
B60K 7/00
B60B 15/18
A01D 34/10
A01D 34/47
A01D 34/68
(11) EP3152998
(21) EP14893997.8
(47) 11.09.2019
(87) CN2014082805
10.12.2015
(22) 23.07.2014
(54) EMBEDDED OUTER ROTOR ELECTRIC MOTOR DIRECT-DRIVE LAWNMOWER DRIVE WHEEL, AND LAWNMOWER
(73) Zhejiang Yat Electrical Appliance Co., Ltd.
(72) ZHENG, Yaping
LI, Daoyan
HE, Zhiqiang
(31) 201410250285
(32) 06.06.2014
(33) China

(51) A01D 34/30
(11) EP3269222
(21) EP17180698.7
(47) 11.09.2019
(22) 11.07.2017
(54) DRIVE ASSEMBLY FOR DRIVING A MOWER BEAM OF A CUTTING SYSTEM
(73) Deere & Company
(72) Bueermann, Martin
Weichholdt, Dirk
Pellegrini, Eric
Tamilarasan, Saravanan
Guthoerl, Steve
Zumbach, Ferdinand
(31) 102016212646
(32) 12.07.2016
(33) Germany

(51) A01D 34/68
A01D 34/86
(11) EP3219189
(21) EP17160888.8
(47) 11.09.2019
(22) 14.03.2017
(54) WALK BEHIND MOWER
(73) Honda Motor Co., Ltd.
(72) YOSHIMURA, Hajime
FUKUZUMI, Yasumi
(31) 2016053444
(32) 17.03.2016
(33) Japan

(51) A01D 34/69
A01D 34/68
(11) EP2814312
(21) EP12868342.2
(47) 11.09.2019
(87) US2012024853
22.08.2013
(22) 13.02.2012
(54) ALL WHEEL DRIVE, WALK BEHIND MOWER
(73) HUSQVARNA AB
(72) HELGESEN, John
LENNINGS, Eric
FANCHER, Robert
LAMBERT, Matthew M.

(51) A01D 45/02
(11) EP3272201
(21) EP17181098.9
(47) 11.09.2019
(22) 13.07.2017
(54) CORN HEADER WITH AIR ASSIST FOR AN AGRICULTURAL HARVESTER
(73) CNH Industrial Belgium nv
(72) Ricketts, Jonathan E.
Gessel, James M.
(31) 201615214926
(32) 20.07.2016
(33) United States of America

(51) A01D 75/20
(11) EP3139726
(21) EP15728049.6
(47) 11.09.2019
(87) FR2015051182
12.11.2015
(22) 04.05.2015
(54) AGRICULTURAL MACHINE COMPRISING AN IMPROVED PROTECTOR CONTROL
(73) Kuhn SA (Societe Anonyme)
(72) HALTER, Cédric
(31) 1454086
(32) 06.05.2014
(33) France

(51) A01F 12/44
(11) EP3308626
(21) EP17196325.9
(47) 11.09.2019
(22) 13.10.2017
(54) HARVESTER CLEANING SHOE LOUVER
(73) Deere & Company
(72) Meschke, Michael
(31) 201615293924
(32) 14.10.2016
(33) United States of America

(51) A01F 15/07
(11) EP3081072
(21) EP16154955.5
(47) 11.09.2019
(22) 10.02.2016
(54) DEVICE FOR WRAPPING BALES OF HARVESTED AGRICULTURAL PRODUCE
(73) Usines Claas France S.A.S
(72) Cazaban-Mazerolles, Benoit
(31) 102015004274
(32) 08.04.2015
(33) Germany

(51) A01F 15/08
(11) EP3018996
(21) EP14737241.1
(47) 11.09.2019
(87) EP2014064639
15.01.2015

(22) 08.07.2014
(54) BALE DISCHARGE MEANS
(73) CNH Industrial Belgium nv
(72) VANHOUTTE, Peter
(31) 201300480
(32) 09.07.2013
(33) Belgium

(51) A01G 7/02
B01D 53/46
F01N 3/02
F01N 5/00
F23G 5/00
F23J 15/00
F23G 5/44
(11) EP2806728
(21) EP13740562.7
(47) 11.09.2019
(87) CA2013050058
01.08.2013
(22) 28.01.2013
(54) CARBON NANOTUBE PRODUCTION METHOD TO STIMULATE SOIL MICROORGANISMS AND PLANT GROWTH PRODUCED FROM THE EMISSIONS OF INTERNAL COMBUSTION
(73) N/C Quest Inc.
(72) LEWIS, Gary
(31) 201261591437 P
(32) 27.01.2012
(33) United States of America

(51) A01G 9/12
E04H 17/00
A47B 43/00
A47G 7/04
(11) EP3456179
(21) EP17200039.0
(47) 11.09.2019
(22) 06.11.2017
(54) FOLDABLE GREENING RACK
(73) Zhejiang Minzo New Materials Co., Ltd.
(72) XU, Cungao
WANG, Baohua
(31) 201710834686
(32) 15.09.2017
(33) China

(51) A01G 31/02
A01G 31/06
(11) EP3329766
(21) EP17204504.9
(47) 11.09.2019
(22) 29.11.2017
(54) PLANT CULTIVATION DEVICE
(73) Wang, Shu-Bin
Wang, Tzu-Yen
(72) Wang, Shu-Bin
Wang, Tzu-Yen
(31) 105218332 U
(32) 30.11.2016
(33) Taiwan, Province of China

(51) A01H 1/00
C07G 1/00
C12N 9/42
C12P 1/02
(11) EP2903412
(21) EP13779702.3
(47) 11.09.2019
(87) US2013063907
17.04.2014
(22) 08.10.2013
(54) POLYPEPTIDES HAVING CELLULOLYTIC ENHANCING ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME
(73) Novozymes A/S
Novozymes, Inc.
(72) SCHNORR, Kirk
SHAGHASI, Tarana
(31) 201261711062 P
201261711066 P
(32) 08.10.2012
08.10.2012
(33) United States of America
United States of America

(51) A01H 5/00
C07K 14/195
C07K 14/415
C12N 15/82
(11) EP2861058
(21) EP13728740.5
(47) 11.09.2019
(87) EP2013062254
19.12.2013
(22) 13.06.2013
(54) A PLANT PATTERN RECOGNITION RECEPTOR AND CHIMERAS THEREOF FOR USE AGAINST BACTERIAL INFECTIONS
(73) Eberhard Karls Universität Tübingen
(72) JEHLE, Anna Kristina
LIPSCHIS, Martin
ALBERT, Markus
FELIX, Georg
(31) 201210484
(32) 13.06.2012
(33) United Kingdom

(51) A01J 5/01
A01J 5/013
A01J 7/04
(11) EP3130221
(21) EP16187392.2
(47) 11.09.2019
(22) 05.07.2012
(54) DETECTOR SYSTEM AND DAIRY ANIMAL TREATMENT DEVICE COMPRISING THE SAME
(73) Lely Patent N.V.
(72) VAN HALSEMA, Frans Emo Diderik
DE GROOT, Pieter Gerlof
VIJVERBERG, Hélèna Geralda Maria
(31) 2007149
(32) 20.07.2011
(33) Netherlands

(51) A01K 1/015
A01K 1/01
(11) EP3231277
(21) EP14906463.6
(47) 11.09.2019
(87) JP2014082476
26.05.2016
(22) 09.12.2014
(54) ABSORBENT SHEET FOR PETS
(73) Unicharm Corporation
(72) SASANO, Yasuhiro
TAKAHASHI, Yumei
(31) 2014234899
(32) 19.11.2014
(33) Japan

(51) A01K 5/00
A01F 25/20
A01F 25/16
(11) EP3364753
(21) EP16804919.5
(47) 11.09.2019
(87) NL2016050719
27.04.2017
(22) 20.10.2016
(54) MIXING WAGON
(73) Peeters Landbouwmachines B.V.
(72) PEETERS, Daniel Petrus Marie
(31) 2015654
2016659
(32) 23.10.2015
22.04.2016
(33) Netherlands
Netherlands

(51) A01K 5/01
B65D 1/30
(11) EP2874492
(21) EP13765406.7
(47) 11.09.2019
(87) IB2013001558
23.01.2014
(22) 18.07.2013
(54) DEVICE FOR DISPENSING FOODS
(73) Damco S.r.l.
(72) FANTUZZI, Davide
(31) MO20120185
(32) 18.07.2012
(33) Italy

(51) A01K 67/00
A01K 67/033
(11) EP3043641
(21) EP14843371.7
(47) 11.09.2019
(87) US2014055492
19.03.2015
(22) 12.09.2014
(54) METHODS OF MAKING TRANSGENIC ANIMALS WITH T CELL RECEPTORS THAT ARE SPECIFIC TO A FLOURESCENT PROTEIN
(73) Icahn School of Medicine at Mount Sinai
(72) AGUDO, Judith
BROWN, Brian
(31) 201361877120 P
(32) 12.09.2013
(33) United States of America

(51) A01M 1/20
(11) EP2876999
(21) EP13745295.9
(47) 11.09.2019
(87) US2013051778
30.01.2014
(22) 24.07.2013
(54) VOLATILE MATERIAL DISPENSING SYSTEM
(73) S.C.JOHNSON & SON, INC.
(72) CAO, Hai, Yan
CHEN, Amos
HAN, Shumao
JIA, Joanna
MUNOZ, Salvador
SHI, Deliang

(31) 201261675204 P
(32) 24.07.2012
(33) United States of America

(51) A01M 7/00
A01M 9/00
(11) EP3117706
(21) EP15176823.1
(47) 11.09.2019
(22) 15.07.2015
(54) INTEGRATED PEST MANAGEMENT BY USE OF UNMANNED UNITS
(73) Anders Petersen Holding ApS
(72) Petersen, Anders

(51) A01M 13/00
A61L 9/12
A01M 29/12
A01M 1/20
(11) EP3021665
(21) EP14826098.7
(47) 11.09.2019
(87) US2014046837
22.01.2015
(22) 16.07.2014
(54) METHODS AND DEVICES FOR SUSTAINED RELEASE OF SUBSTANCES
(73) University of Florida Research Foundation, Inc.
(72) WILLENBERG, Bradley, J.
KOEHLER, Philip, G.
BATICH, Christopher, D.
GEORGIADES, George
(31) 201361846848 P
(32) 16.07.2013
(33) United States of America

(51) A01N 1/02
(11) EP3429345
(21) EP17786853.6
(47) 11.09.2019
(87) EP2017075257
12.04.2018
(22) 04.10.2017
(54) USES OF RECOMBINANT YEAST-DERIVED SERUM ALBUMIN
(73) Albumedix Ltd.
(72) JØRGENSEN, Eva Balslev
(31) 16192276
(32) 04.10.2016
(33) European Patent Office (EPO)

(51) A01N 1/02
B01L 9/06
B01L 7/00
(11) EP2967025
(21) EP14711408.6
(47) 11.09.2019
(87) US2014020224
02.10.2014
(22) 04.03.2014
(54) CRYOCANE WITH RACKING CAPABILITY
(73) Cook Medical Technologies LLC
(72) JIMENEZ-RIOS, Jorge, L.
WOODARD, Bryan
(31) 201361783454 P
(32) 14.03.2013
(33) United States of America

(51) A01N 25/02
C11D 7/26
C11D 7/50
(11) EP3393238
(21) EP16825572.7
(47) 11.09.2019
(87) IB2016057945
29.06.2017
(22) 22.12.2016
(54) DISPERSANT COMPOSITION
(73) Oleon N.V.
(72) SAVOIS, Blandine
ZITOUNI, Karima
RAVIER, Pierre
(31) 1563196
1556871
(32) 23.12.2015
19.07.2016
(33) France
France

(51) A01N 25/24
A01N 25/30
A01N 25/02
A01N 31/02
A01N 43/653
A01N 43/56
A01P 3/00
(11) EP3099168
(21) EP15701323.6
(47) 11.09.2019
(87) EP2015050946
06.08.2015
(22) 20.01.2015
(54) ASYMMETRIC FORMALES AND ACETALES AS ADJUVANTS FOR CROP PROTECTION
(73) BASF SE
(72) RATHS, Hans-Christian
BERGHAUS, Rainer
SEMAR, Martin
(31) 14153297
14175595
14180223
(32) 30.01.2014
03.07.2014
07.08.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) A01N 25/28
A01N 33/18
A01N 25/30
A01P 13/00
C08G 18/75
C08G 18/76
C08G 18/32
(11) EP3310165
(21) EP16722167.0
(47) 11.09.2019
(87) EP2016060397
22.12.2016
(22) 10.05.2016
(54) PESTICIDAL MICROCAPSULES WITH A SHELL MADE OF TETRAMETHYLXYLYLENE DIISOCYANATE, CYCLOALIPHATIC DIISOCYANATE, AND ALIPHATIC DIAMINE
(73) BASF SE
(72) KOLB, Klaus
GREGORI, Wolfgang
STEINBRENNER, Ulrich
PARRA RAPADO, Liliana
(31) 15172815
(32) 19.06.2015
(33) European Patent Office (EPO)

(51) A01N 25/28
A01N 43/54
A01N 63/02
A01N 57/20
A01M 1/02
A01M 1/20
A01P 7/04
A01P 19/00
(11) EP3053434
(21) EP14850196.8
(47) 11.09.2019
(87) JP2014076606
09.04.2015
(22) 03.10.2014
(54) SEAMLESS CAPSULE FOR EXTERMINATION OF TERMITES
(73) Morishita Jintan Co., Ltd.
Kyoto University
(72) MATSUURA, Kenji
KAMAGUCHI, Ryosei
TAGAWA, Daisuke
HASHIMOTO, Taku
NAKATSUJI, Masaaki
(31) 2013209440
(32) 04.10.2013
(33) Japan

(51) A01N 31/02
A01N 31/16
A01N 33/10
A01N 35/02
A01N 35/04
A01N 37/10
A01N 37/40
A01N 37/44
A01N 43/16
A01N 43/40
A01N 49/00
A01P 19/00
(11) EP3031322
(21) EP14850593.6
(47) 11.09.2019
(87) JP2014076287
09.04.2015
(22) 01.10.2014
(54) COMPOSITION COMPRISING HARMFUL ARTHROPOD-ATTRACTING SUBSTANCE FORMED FROM PLANT-DERIVED COMPONENTS AND ANALOGS THEREOF
(73) Kyoyu Agri Co., Ltd.
(72) KAWAZU, Kei
YAMAMOTO, Eiko
(31) 2013207440
(32) 02.10.2013
(33) Japan

(51) A01N 37/46
A01N 55/10
A01P 17/00
(11) EP3030077
(21) EP14750023.5
(47) 11.09.2019
(87) PT2014000041

18.12.2014
(22) 12.06.2014
(54) FORMULATIONS AND NANOPARTICLES OF SILICA WITH INSECT REPELLENT ACTIVITY ON TEXTILE SUBSTRATE AND OTHER MATERIALS AND RESPECTIVE PROCESS OF PREPARATION AND FIXATION
(73) Success Gadget Nanotecnologia E Novos Materiais, Lda.
(72) NAYLOR DA ROCHA GOMES, Jaime Isidoro
(31) 10700113
(32) 12.06.2013
(33) Portugal

(51) A01N 43/90
A01N 37/22
A01P 13/00
(11) EP3319431
(21) EP16734409.2
(47) 11.09.2019
(87) EP2016065742
19.01.2017
(22) 04.07.2016
(54) HERBICIDAL COMPOSITION COMPRISING CINMETHYLIN AND S-METOLACHLOR
(73) BASF Agro B.V.
(72) KRAUS, Helmut
SIEVERNICH, Bernd
ETCHEVERRY, Mariano
EVANS, Richard, R.
NIELSON, Ryan, Louis
ZAGAR, Cyrill
LIEBL, Rex, A.
(31) 201562190767 P
15191697
(32) 10.07.2015
27.10.2015
(33) United States of America
European Patent Office (EPO)

(51) A01N 43/90
A01N 37/22
A01P 13/00
(11) EP3319443
(21) EP16748063.1
(47) 11.09.2019
(87) EP2016065990
19.01.2017
(22) 06.07.2016
(54) HERBICIDAL COMPOSITION COMPRISING CINMETHYLIN AND DIMETHACHLOR
(73) BASF Agro B.V.
(72) KRAUS, Helmut
SIEVERNICH, Bernd
ETCHEVERRY, Mariano
EVANS, Richard R
NIELSON, Ryan Louis
ZAGAR, Cyrill
LIEBL, Rex A
(31) 201562190787 P
15191639
(32) 10.07.2015
27.10.2015
(33) United States of America
European Patent Office (EPO)

(51) A01N 43/90
A01N 43/42
A01P 13/00
(11) EP3319436
(21) EP16734719.4
(47) 11.09.2019
(87) EP2016066004
19.01.2017
(22) 06.07.2016
(54) HERBICIDAL COMPOSITION COMPRISING CINMETHYLIN AND QUINMERAC
(73) BASF Agro B.V.
(72) KRAUS, Helmut
SIEVERNICH, Bernd
ETCHEVERRY, Mariano
EVANS, Richard R
NIELSON, Ryan Louis
ZAGAR, Cyrill
LIEBL, Rex A
(31) 201562190786 P
15191719
(32) 10.07.2015
27.10.2015
(33) United States of America
European Patent Office (EPO)

(51) A01N 43/90
A01N 43/70
A01N 47/30
A01P 13/00
(11) EP3319438
(21) EP16735875.3
(47) 11.09.2019
(87) EP2016066007
19.01.2017
(22) 06.07.2016
(54) HERBICIDAL COMPOSITION COMPRISING CINMETHYLIN AND SPECIFIC PHOTOSYSTEM II INHIBITORS
(73) BASF Agro B.V.
(72) KRAUS, Helmut
SIEVERNICH, Bernd
ETCHEVERRY, Mariano
EVANS, Richard R.
NIELSON, Ryan Louis
ZAGAR, Cyrill
LIEBL, Rex A.
(31) 201562190780 P
15191787
(32) 10.07.2015
28.10.2015
(33) United States of America
European Patent Office (EPO)

(51) A01N 43/90
A01N 47/12
A01P 13/00
(11) EP3319433
(21) EP16734709.5
(47) 11.09.2019
(87) EP2016065972
19.01.2017
(22) 06.07.2016
(54) HERBICIDAL COMPOSITION COMPRISING CINMETHYLIN AND SPECIFIC NON-ACCASE LIPID SYNTHESIS INHIBITORS
(73) BASF Agro B.V.
(72) KRAUS, Helmut
SIEVERNICH, Bernd
ETCHEVERRY, Mariano
EVANS, Richard R
NIELSON, Ryan Louis
ZAGAR, Cyrill
LIEBL, Rex A
(31) 201562190775 P
15191714
(32) 10.07.2015
27.10.2015
(33) United States of America
European Patent Office (EPO)

(51) A01N 59/04
A61M 16/00
A61M 16/10
A61M 16/12
A61K 33/00
G01N 33/72
(11) EP3131401
(21) EP15779577.4
(47) 11.09.2019
(87) US2015026006
22.10.2015
(22) 15.04.2015
(54) SYSTEM TO IMPROVE ORGAN OR TISSUE FUNCTION AND ORGAN OR TISSUE TRANSPLANT LONGEVITY
(73) Proterris, Inc.
(72) WAGER, Jeffrey, D.
WAGER, Joseph
STENZLER, Alex
PINSKY, David
CHOI, Augustine
(31) 201461979712 P
201461993140 P
(32) 15.04.2014
14.05.2014
(33) United States of America
United States of America

(51) A21B 7/00
A21D 8/02
(11) EP3166409
(21) EP15742189.2
(47) 11.09.2019
(87) EP2015065105
14.01.2016
(22) 02.07.2015
(54) MULTIVARIABLE BAKING METHOD AND DEVICE THEREFOR
(73) Kuchenmeister GmbH
(72) TROCKELS, Hans-Günter
JANK, Rüdiger
NASSE, Bernd
(31) 102014213450
(32) 10.07.2014
(33) Germany

(51) A21C 9/08
(11) EP3315029
(21) EP17196136.0
(47) 11.09.2019
(22) 12.10.2017
(54) AN APPARATUS FOR ALIGNING AND POSITIONING PIECES OF FOOD DOUGH
(73) RHEON AUTOMATIC MACHINERY CO. LTD.
(72) Fukugami, Taro
Higuchi, Katsumichi

Oshima, Nobuo
(31) 2016213896
(32) 31.10.2016
(33) Japan

(51) A22B 5/00
(11) EP3328206
(21) EP16738768.7
(47) 11.09.2019
(87) EP2016066646
02.02.2017
(22) 13.07.2016
(54) SYSTEM AND METHOD FOR AUTOMATICALLY LOOSENING OR REMOVING SHOULDER BLADES FROM SHOULDERS OF CARCASSES
(73) Marel Meat B.V.
(72) VAN DER LEEST, Johannes Cornelis Antonius Maria
STOOTS, Dennis Antoon Johan
VAN DER STEEN, FranciscusTheodorus Henricus Johannes
(31) 15179087
(32) 30.07.2015
(33) European Patent Office (EPO)

(51) A23C 1/00
A23C 9/148
A23C 9/15
A23C 9/152
A23J 1/20
A23L 33/00
A23C 21/00
A23C 9/142
A23C 9/144
A23C 9/146
(11) EP3225114
(21) EP16163027.2
(47) 11.09.2019
(22) 30.03.2016
(54) METHOD FOR PRODUCING DEMINERALIZED WHEY POWDERS
(73) DMK Deutsches Milchkontor GmbH
(72) Döring, Sven-Rainer
Oehlckers, Thorben
Wiegers, Thorben

(51) A23C 7/04
A23C 9/142
A23C 9/144
A23J 1/20
A23J 3/08
(11) EP3313190
(21) EP16757274.2
(47) 11.09.2019
(87) FR2016051582
29.12.2016
(22) 27.06.2016
(54) METHOD FOR PRODUCING A DEMINERALISED MILK PROTEIN COMPOSITION, SUITABLE IN PARTICULAR FOR THE ORGANIC SECTOR, AND DEMINERALISED MILK PROTEIN COMPOSITION
(73) Nutribio
(72) VAN AUDENHAEGE, Marieke
FAIRISE, Jean-Francois
(31) PCT/FR2015/000127
(32) 25.06.2015
(33) World Intellectual Property Office (WIPO)

(51) A23G 9/04
A23G 9/08
A23G 9/22
F25D 31/00
F28D 1/02
(11) EP3360421
(21) EP18155245.6
(47) 11.09.2019
(22) 06.02.2018
(54) MACHINE FOR MAKING AND DISPENSING A LIQUID OR SEMILIQUID PRODUCT
(73) ALI GROUP S.r.l. - CARPIGIANI
(72) COCCHI, Andrea
LAZZARINI, Roberto
(31) 201700016360 U
(32) 14.02.2017
(33) Italy

(51) A23K 10/12
A23K 10/18
A23L 17/60
A23K 10/30
C12N 1/20
C12P 7/10
C12P 7/56
(11) EP3021687
(21) EP14735842.8
(47) 11.09.2019
(87) DK2014050190
31.12.2014
(22) 26.06.2014
(54) COMPOSITIONS COMPRISING FERMENTED SEAWEED AND/OR ALGAE
(73) Fermentationexperts A/S
(72) LEGARTH, Jens Høffner
(31) 201370360
(32) 28.06.2013
(33) Denmark

(51) A23K 10/40
B01J 20/18
C07C 217/44
B01J 20/12
C01B 39/02
B01J 39/02
A61K 9/00
A61K 9/14
B01J 39/14
B01J 20/22
B01J 20/32
(11) EP3075260
(21) EP14864455.2
(47) 11.09.2019
(87) IB2014066246
28.05.2015
(22) 21.11.2014
(54) MYCOTOXIN ADSORBENT AND THE USE THEREOF IN BALANCED FOOD FOR ANIMALS
(73) NUTEK, S.A. DE C.V.
(72) LARA ARELLANO, Javier Armando
ROMERO MARTÍNEZ DEL SOBRAL, Miguel Ángel
GARCÍA ROSAS, Irlanda Verónica
FIERRO HUESCA, José Antonio
(31) 2013013788
(32) 25.11.2013
(33) Mexico

(51) A23L 33/12
A23L 33/125
A61K 31/185
A61K 31/198
A61K 31/20
A61K 35/20
A61P 3/04
(11) EP1973424
(21) EP06824324.5
(47) 11.09.2019
(87) NL2006050329
28.06.2007
(22) 22.12.2006
(54) INFANT NUTRITIONAL COMPOSITIONS FOR PREVENTING OBESITY
(73) N.V. NUTRICIA
(72) ZWIJSSEN, Renate Maria Louise
SPEELMANS, Gelske
VAN DER BEEK, Eline Marleen
BOEHM, Günther
(31) 05077972
PCT/NL2006/050274
(32) 23.12.2005
02.11.2006
(33) European Patent Office (EPO)
World Intellectual Property Office (WIPO)

(51) A23N 1/02
B30B 9/12
C11B 1/04
C11B 1/06
C11B 1/10
(11) EP3203864
(21) EP15808003.6
(47) 11.09.2019
(87) GB2015053714
09.06.2016
(22) 04.12.2015
(54) A SYSTEM FOR EXTRACTING A SUBSTANCE FROM A COMMODITY
(73) Christodoulou, Spyros
(72) Christodoulou, Spyros
(31) 201421599
(32) 04.12.2014
(33) United Kingdom

(51) A24B 9/00
A24B 1/02
(11) EP3389419
(21) EP16804850.2
(47) 11.09.2019
(87) GB2016053630
22.06.2017
(22) 22.11.2016
(54) APPARATUS AND METHOD FOR CONDITIONING TOBACCO
(73) British American Tobacco (Investments) Limited
(72) MOCELIN, Riscala
MENEGASSO, Jaime
MILAK, Valdir
BERGER, Irving Joseph
MARTINS, Paula Fabiane
BRAZ DE OLIVEIRA, Vando
(31) 201522277
(32) 17.12.2015
(33) United Kingdom

(51) A24B 15/16
A24F 47/00
(11) EP3389420
(21) EP16822652.0

(47) 11.09.2019
(87) EP2016081469
22.06.2017
(22) 16.12.2016
(54) STRENGTH ENHANCERS AND METHOD OF ACHIEVING STRENGTH ENHANCEMENT IN AN ELECTRONIC VAPOR DEVICE
(73) Philip Morris Products S.A.
(72) ANDERSON, Adam
KANE, David
LI, Weiling
LIPOWICZ, Peter
OLIVERI, Douglas
RUSYNIAK, Mark
(31) 201514974211
(32) 18.12.2015
(33) United States of America

(51) A24B 15/28
A24B 15/30
(11) EP2832243
(21) EP13767629.2
(47) 11.09.2019
(87) JP2013059104
03.10.2013
(22) 27.03.2013
(54) CUT-PIECE OF FLAVOUR CONTAINING SHEET
(73) Japan Tobacco Inc.
(72) KUSAKABE, Tatsuya
BANDAI, Takeshi
(31) 2012074877
(32) 28.03.2012
(33) Japan

(51) A24C 5/47
A24C 5/32
A24D 3/02
(11) EP2668857
(21) EP13166962.4
(47) 11.09.2019
(22) 08.05.2013
(54) Transport drum for the tobacco processing industry
(73) Hauni Maschinenbau GmbH
(72) Wangemann, Jörg
von Babka-Gostomski, Philipp
Wuttke, Nikolai
Nürnberg, Michael
Putzke, Ronald
Wieczorek, Dennis
Jonat, Ilmar
(31) 102012209032
(32) 30.05.2012
(33) Germany

(51) A41D 13/002
A42B 3/28
(11) EP3175726
(21) EP14898751.4
(47) 11.09.2019
(87) JP2014070215
04.02.2016
(22) 31.07.2014
(54) AIR-CONDITIONED CLOTHING ADAPTED TO HELMET
(73) SFT Laboratory Co., Ltd.
(72) ICHIGAYA Hiroshi

(51) A41D 13/05
A42B 3/04
A61F 5/055
(11) EP2874521
(21) EP12881471.2
(47) 11.09.2019
(87) US2012047394
23.01.2014
(22) 19.07.2012
(54) HEAD AND NECK SUPPORT DEVICE WITH LOW COLLAR
(73) Simpson Performance Products, Inc.
(72) STILES, Mark, A.
DOWNING, James, R.

(51) A41D 13/11
A61F 9/04
(11) EP3164021
(21) EP15815187.8
(47) 11.09.2019
(87) US2015038594
07.01.2016
(22) 30.06.2015
(54) SURGICAL ROBOTIC INSTRUMENT SHIELD
(73) Spier, Laurence
(72) Spier, Laurence
(31) 201462019709 P
(32) 01.07.2014
(33) United States of America

(51) A41D 13/12
A42B 3/10
(11) EP3139779
(21) EP15788942.9
(47) 11.09.2019
(87) US2015027225
12.11.2015
(22) 23.04.2015
(54) PROTECTIVE APPAREL SYSTEM WITH IMPERVIOUS PROTECTION
(73) Medline Industries, Inc.
(72) CHUA, Mark Spencer
SEEFELDT, Michael
CZAJKA, Francis
(31) 201414271493
(32) 07.05.2014
(33) United States of America

(51) A41D 19/00
A41D 19/02
(11) EP3069622
(21) EP14862839.9
(47) 11.09.2019
(87) CN2014090527
21.05.2015
(22) 07.11.2014
(54) GLOVE STRUCTURE
(73) Shanghai Jin Feng Yu Glove Co., Ltd.
(72) CAI, Wenlan
LI, Zhibin
LI, Ning
(31) 201310560503
201320712636 U
201310560501
201320711865 U
201310561245
201320711864 U
201310560492
201320712624 U
201410614267
201420653789 U
(32) 12.11.2013
12.11.2013
12.11.2013
12.11.2013
12.11.2013
12.11.2013
12.11.2013
04.11.2014
04.11.2014
(33) China
China
China
China
China
China
China
China
China
China

(51) A42B 1/04
(11) EP2692258
(21) EP13156159.9
(47) 11.09.2019
(22) 21.02.2013
(54) Hood system
(73) Uni&Forma d.o.o.
(72) Wagner, Armin
(31) 202012102930 U
(32) 03.08.2012
(33) Germany

(51) A42B 1/04
A42B 7/00
(11) EP3361893
(21) EP16784326.7
(47) 11.09.2019
(87) US2016055100
20.04.2017
(22) 03.10.2016
(54) HOOD LOCK CORD SYSTEM
(73) Nike Innovate C.V.
(72) HORNER, Stewart D.
PEZZIMENTI, Luke A.
(31) 201562242742 P
201562242778 P
201615231206
(32) 16.10.2015
16.10.2015
08.08.2016
(33) United States of America
United States of America
United States of America

(51) A42B 3/06
A42B 3/08
(11) EP3481244
(21) EP18712859.0
(47) 11.09.2019
(87) EP2018056896
04.10.2018
(22) 19.03.2018
(54) CONNECTOR
(73) Mips AB
(72) POMERING, Amy Louise
(31) 201705040
201720679
(32) 29.03.2017
12.12.2017
(33) United Kingdom
United Kingdom

(51) A42B 3/22
(11) EP3435804
(21) EP17713930.0
(47) 11.09.2019
(87) EP2017057194
05.10.2017
(22) 27.03.2017
(54) VISOR ASSEMBLY
(73) Uvex Arbeitsschutz GmbH
(72) SCHUSTER, Manfred
JASCHKE, Simon
(31) 102016205448
(32) 01.04.2016
(33) Germany

(51) A43B 3/10
(11) EP3111791
(21) EP16172778.9
(47) 11.09.2019
(22) 12.07.2010
(54) ARTICLE OF FOOTWEAR WITH THONG PORTION INCLUDING GROOVES
(73) NIKE Innovate C.V.
(72) LONSWAY, Eric
O'CONNOR, Kelly, A.
SIMSHAW, Thomas, W.
(31) 502090
(32) 13.07.2009
(33) United States of America

(51) A43B 5/02
A43C 15/16
(11) EP3240448
(21) EP15784230.3
(47) 11.09.2019
(87) US2015054433
07.07.2016
(22) 07.10.2015
(54) CLEATED ARTICLE OF FOOTWEAR
(73) Nike Innovate C.V.
(72) BAUCOM, Jim
(31) 201514588494
(32) 02.01.2015
(33) United States of America

(51) A43B 5/04
A63C 9/086
A63C 9/084
(11) EP3329793
(21) EP17202710.4
(47) 11.09.2019
(22) 21.11.2017
(54) SKI COUPLING SYSTEM FOR MOUNTAINEERING SKI BOOT
(73) Giemme Arredamenti S.N.C. di Delvai Mauro & C.
(72) DELVAI, Mauro
(31) 201600117956
(32) 22.11.2016
(33) Italy

(51) A43B 7/08
A43B 7/10
A43B 3/00
(11) EP3106051
(21) EP15172112.3
(47) 11.09.2019
(22) 15.06.2015
(54) SHOE WITH ELECTRICAL VENTING SYSTEM
(73) ATMOS airwalk ag
(72) Möhlmann, Wilhelm

(51) A43B 7/14
(11) EP3199049
(21) EP17153638.6
(47) 11.09.2019
(22) 27.01.2017
(54) FOOT STABILIZING DEVICE
(73) VARITHOTICS CO., LTD.
(72) Tzeng, Tzann-Yuh
(31) 105102262
(32) 29.01.2016
(33) Taiwan, Province of China

(51) A43B 13/12
A43B 13/22
A43B 13/16
A43B 13/14
(11) EP3338581
(21) EP17174408.9
(47) 11.09.2019
(22) 02.06.2017
(54) SOLE STRUCTURE HAVING DISTINGUISHED THREE-DIMENSIONAL PATTERNS
(73) Chaei Hsin Enterprise Co., Ltd.
(72) WANG, Shui Mu
(31) 105219573 U
16207462
(32) 22.12.2016
30.12.2016
(33) Taiwan, Province of China
European Patent Office (EPO)

(51) A43C 11/00
A43C 1/04
A43B 23/02
A43B 13/04
A43B 13/12
A43B 13/18
(11) EP3427605
(21) EP18191047.2
(47) 11.09.2019
(22) 21.02.2013
(54) ARTICLES OF FOOTWEAR WITH TENSILE STRAND ELEMENTS
(73) NIKE Innovate C.V.
(72) DOJAN, Frederick J.
KOHATSU, Shane S.
HWANG, James
JOHNSON, Daniel A.
(31) 201213404377
(32) 24.02.2012
(33) United States of America

(51) A43C 15/16
A43B 5/14
A43B 3/16
A43B 13/02
(11) EP2984957
(21) EP15002281.2
(47) 11.09.2019
(22) 31.07.2015
(54) SPORTS SHOE
(73) MAVIC S.A.S.
(72) Delgorgue, Gérald
Jourde-Autier, Jacques
(31) 1401845
(32) 13.08.2014
(33) France

(51) A44B 19/14
B29C 45/00
B29D 5/02
B29K 505/02
(11) EP2591697
(21) EP10854425.5
(47) 11.09.2019
(87) JP2010061556
12.01.2012
(22) 07.07.2010
(54) SLIDE FASTENER
(73) YKK Corporation
(72) KOJIMA, Masayoshi

(51) A45D 1/04
A45D 1/28
A45D 2/00
(11) EP3393297
(21) EP16825406.8
(47) 11.09.2019
(87) EP2016082175
29.06.2017
(22) 21.12.2016
(54) APPLIANCE FOR TREATING THE HAIR
(73) L'Oréal
SEB S.A.
(72) DURIF, Pierre
TOUGOUCHI, Jérôme
MAISONNEUVE, Martial
VACHERON, Xavier
BONNEMAIRE, Baptiste
DEBAUGE, Anne
MESSAGER, Edouard
VIC, Gabin
WOODLAND, Frédéric
NUZZO, Stefania
LAPIZE, Sandy
(31) 1563205
(32) 23.12.2015
(33) France

(51) A45D 44/00
G06T 1/00
(11) EP2962597
(21) EP14757240.8
(47) 11.09.2019
(87) JP2014000583
04.09.2014
(22) 04.02.2014
(54) MAKEUP ASSISTANCE DEVICE, MAKEUP ASSISTANCE METHOD, AND MAKEUP ASSISTANCE PROGRAM
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) YAMANASHI, Tomofumi
ASAI, Rieko
MUTA, Aoi
NISHI, Chie
AJIKI, Kaori
(31) 2013039138
(32) 28.02.2013
(33) Japan

(51) A45F 5/02
H01R 24/00
H01R 107/00
H01R 13/625
H01R 13/52
H01R 13/24
A41D 1/00
(11) EP3336972
(21) EP17195476.1

(47) 11.09.2019
(22) 09.10.2017
(54) SLIDE CONNECTOR
(73) Japan Aviation Electronics Industry, Limited
(72) KOMOTO, Tetsuya
MATSUNAGA, Akihiro
(31) 2016245748
(32) 19.12.2016
(33) Japan

(51) A46B 11/00
(11) EP3131430
(21) EP14729174.4
(47) 11.09.2019
(87) US2014037142
12.11.2015
(22) 07.05.2014
(54) ORAL CARE IMPLEMENT
(73) Colgate-Palmolive Company
(72) WU, Donghui
SORRENTINO, Alan
MOSKOVICH, Robert
JIMENEZ, Eduardo J.
WAGUESPACK, Kenneth
HOHLBEIN, Douglas J.
KOLB, Matthew Lee
CARSE, Paul Donald

(51) A46B 15/00
A46B 9/02
(11) EP2986195
(21) EP14785023.4
(47) 11.09.2019
(87) NZ2014000069
23.10.2014
(22) 17.04.2014
(54) BROOM APPARATUS WITH REMOVABLE AUXILIARY TOOL
(73) Browns Brushware Limited
(72) BROWN, Murray, Charles
(31) 201361813949 P
(32) 19.04.2013
(33) United States of America

(51) A47B 7/02
A47B 71/00
A61G 7/002
A61G 7/012
A61G 7/015
A61G 7/018
(11) EP2760312
(21) EP12838049.0
(47) 11.09.2019
(87) US2012058414
11.04.2013
(22) 02.10.2012
(54) ADJUSTABLE BED
(73) Invacare Corporation
(72) BLY, Robert, R.
WYSOCKI, Kevin, S.
(31) 201161542255 P
201261640180 P
(32) 02.10.2011
30.04.2012
(33) United States of America
United States of America

(51) A47B 49/00
A47B 88/919
A61G 15/14
(11) EP3228216
(21) EP17165212.6
(47) 11.09.2019
(22) 06.04.2017
(54) DRAWER-MOUNTED SWING-OUT SHELF
(73) A-DEC, INC.
(72) HOVENDEN, David A.
VAIL, Joshua D.
(31) 201615092519
(32) 06.04.2016
(33) United States of America

(51) A47B 88/447
A47B 88/493
(11) EP2979581
(21) EP15177725.7
(47) 11.09.2019
(22) 21.07.2015
(54) GUIDE DEVICE FOR GUIDING A MOVABLE PART OF A PIECE OF FURNITURE RELATIVE TO THE BODY OF A PIECE OF FURNITURE
(73) Grass GmbH
(72) Grass, Andreas
Langguth, Peter
(31) 202014006378 U
(32) 01.08.2014
(33) Germany

(51) A47B 88/57
A47B 88/423
(11) EP3292789
(21) EP17166066.5
(47) 11.09.2019
(22) 11.04.2017
(54) SLIDE RAIL ASSEMBLY
(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) 105129907
(32) 13.09.2016
(33) Taiwan, Province of China

(51) A47B 91/04
(11) EP3369342
(21) EP18151015.7
(47) 11.09.2019
(22) 10.01.2018
(54) SOUND BLOCKER
(73) Qvänstedt, Stig
(72) Qvänstedt, Stig
(31) 1700042
(32) 01.03.2017
(33) Sweden

(51) A47B 96/02
A47B 57/10
(11) EP3415039
(21) EP18171679.6
(47) 11.09.2019
(22) 10.05.2018
(54) REINFORCED SHELF FOR MODULAR SHELVES AND MODULAR SHELVES COMPRISING SUCH REINFORCED SHELF
(73) Filippi, Stefania
(72) Filippi, Stefania
(31) 201700066753
(32) 15.06.2017
(33) Italy

(51) A47C 1/03
A47C 7/54
B64D 11/06
B60N 2/75
(11) EP3091873
(21) EP15735127.1
(47) 11.09.2019
(87) US2015010456
16.07.2015
(22) 07.01.2015
(54) INFINITELY VERTICALLY ADJUSTABLE DROP DOWN ARMREST MECHANISM
(73) PAC Seating Systems, Inc.
(72) MARINI, Hector Noel
BOYLE, Michael Edward
DAVIE, Kenneth Raymond
KIMPEL, Sean August
TUFANO, Charles Christopher
(31) 201414151339
(32) 09.01.2014
(33) United States of America

(51) A47C 3/04
A47C 3/18
(11) EP3337353
(21) EP16734720.2
(47) 11.09.2019
(87) EP2016066011
09.02.2017
(22) 06.07.2016
(54) CHAIR
(73) Störiko product design GmbH
(72) STÖRIKO, Andreas
(31) 102015112618
(32) 31.07.2015
(33) Germany

(51) A47C 7/50
B60N 3/06
B64D 11/06
A47C 16/02
B60N 2/54
(11) EP3145368
(21) EP15796483.4
(47) 11.09.2019
(87) AU2015050260
26.11.2015
(22) 20.05.2015
(54) TRAVEL SUPPORT DEVICE
(73) Cayzer, Jennifer
(72) Cayzer, Jennifer
(31) PCT/AU2014/000533
2014903142
(32) 21.05.2014
12.08.2014
(33) World Intellectual Property Office (WIPO)
Australia

(51) A47C 19/02
A47C 19/20
A47C 19/22
(11) EP3205237
(21) EP17155756.4
(47) 11.09.2019
(22) 11.02.2017
(54) METHOD FOR ASSEMBLING A DEVICE COMPRISING A BED
(73) Peter Vogel Holding B.V.
(72) VOGEL, Peter

(31) 2016258
(32) 12.02.2016
(33) Netherlands

(51) A47C 21/08
A47C 19/20
(11) EP3213659
(21) EP15854531.9
(47) 11.09.2019
(87) CN2015092685
06.05.2016
(22) 23.10.2015
(54) BED EQUIPPED WITH GUARD RAIL
(73) New-Tec Integration (Xiamen) Co., Ltd.
(72) LENG, Luhao
(31) 201420637735 U
(32) 29.10.2014
(33) China

(51) A47C 27/08
A47C 27/10
A61G 7/057
(11) EP3072419
(21) EP15160249.7
(47) 11.09.2019
(22) 23.03.2015
(54) AIR MATTRESS SYSTEM AND INFLATION AND DEFLATION PRESSURE REGULATION SYSTEM AND METHOD
(73) Apex Medical Corp.
(72) Liu, Shih-Chung
Hsieh, Ming-Heng

(51) A47C 31/02
(11) EP3300635
(21) EP17180867.8
(47) 11.09.2019
(22) 12.07.2017
(54) CUSHIONING ASSEMBLY FOR AN ITEM OF SEATING FURNITURE, METHOD FOR PRODUCING A CUSHIONING ASSEMBLY, CHAIR
(73) Sedus Stoll AG
(72) Maier, Peter
Daur, Judith
(31) 102016218760
(32) 28.09.2016
(33) Germany

(51) A47F 3/00
(11) EP3272252
(21) EP17181448.6
(47) 11.09.2019
(22) 14.07.2017
(54) BELL-TYPE MUSEUM SHOWCASE, HAVING PANTOGRAPH LIFTING MECHANISMS
(73) Goppion S.p.A.
(72) GOPPION, Alessandro
(31) 201600077100
(32) 22.07.2016
(33) Italy

(51) A47F 7/00
G10G 5/00
(11) EP2638829
(21) EP11839089.7
(47) 11.09.2019
(87) ES2011000124
18.05.2012
(22) 14.04.2011
(54) GUITAR-SECURING DEVICE
(73) Llevinac, S.L.
(72) CANIVELL GRIFOLS, Jordi
ESCALADA RECTO, Ricard
MAÑOSA RIPOLL, David
(31) 201031647 P
(32) 09.11.2010
(33) Spain

(51) A47G 19/02
A47G 23/06
A47G 19/08
(11) EP3269276
(21) EP17180973.4
(47) 11.09.2019
(22) 12.07.2017
(54) SERVING TRAY AND BASE WHICH CAN BE COUPLED TO A TRAY BODY FOR PRODUCING SUCH A SERVING TRAY
(73) Renouard, Samuel
(72) Renouard, Samuel
(31) 1656666
(32) 12.07.2016
(33) France

(51) A47J 19/02
(11) EP3030114
(21) EP14744349.3
(47) 11.09.2019
(87) EP2014066221
12.02.2015
(22) 29.07.2014
(54) AFTER-RUN BLOCKING DEVICE FOR A KITCHEN APPLIANCE
(73) BSH Hausgeräte GmbH
(72) KRÜGER, Tobias
(31) 102013215625
(32) 08.08.2013
(33) Germany

(51) A47J 27/00
A47J 36/00
A47J 36/32
A47J 27/62
H05B 6/06
(11) EP2592974
(21) EP11806142.3
(47) 11.09.2019
(87) AU2011000887
19.01.2012
(22) 15.07.2011
(54) MULTI COOKER
(73) Breville PTY Limited
(72) HOARE, Richard
DAVENPORT, David
HEGEDIS, Tibor
(31) 2010903149
(32) 15.07.2010
(33) Australia

(51) A47J 27/08
(11) EP2939574
(21) EP15165506.5
(47) 11.09.2019
(22) 28.04.2015
(54) ELECTRONIC ASSEMBLY WITH INFORMATION ON THE OPERATION OF HOUSEHOLD APPLIANCES
(73) SEB S.A.
(72) Cartigny, Michel, Pierre
Baraille, Eric, Laurent
Decroze, Nicolas
(31) 1453972
(32) 30.04.2014
(33) France

(51) A47J 27/08
(11) EP2926697
(21) EP15161159.7
(47) 11.09.2019
(22) 26.03.2015
(54) APPLIANCE FOR COOKING FOOD UNDER PRESSURE WITH INVERTED BAYONETS AND RELATED MANUFACTURING METHOD
(73) SEB S.A.
(72) Colas, Thomas, Antoine
Chameroy, Eric
(31) 1452581
(32) 26.03.2014
(33) France

(51) A47J 27/08
A47J 27/09
(11) EP3329810
(21) EP17204704.5
(47) 11.09.2019
(22) 30.11.2017
(54) PRESSURE COOKER WITH BAYONET AND MOBILE LOCK
(73) SEB S.A.
(72) CHAMEROY, Eric
ROUSSARD, Philippe
RHETAT, Eric
JULIEN, Guillaume
(31) 1661864
(32) 02.12.2016
(33) France

(51) A47J 27/08
A47J 27/09
(11) EP3329809
(21) EP17204702.9
(47) 11.09.2019
(22) 30.11.2017
(54) BAYONET PRESSURE COOKER WITH INTERLOCKING POT AND LID HANDLES
(73) SEB S.A.
(72) CHAMEROY, Eric
ROUSSARD, Philippe
RHETAT, Eric
JULIEN, Guillaume
(31) 1661854
(32) 02.12.2016
(33) France

(51) A47J 31/00
A47J 31/06
B65D 85/804
A23F 3/18
A23F 5/26
(11) EP2906085
(21) EP13774126.0
(47) 11.09.2019
(87) EP2013070725
17.04.2014
(22) 04.10.2013
(54) A CAPSULE-BASED FOOD PREPARATION SYSTEM
(73) Société des Produits Nestlé S.A.
(72) TALON, Christian
(31) 12188391

(32) 12.10.2012
(33) European Patent Office (EPO)

(51) A47J 31/06
A47J 31/44
B65D 85/804
(11) EP2989942
(21) EP15188381.6
(47) 11.09.2019
(22) 02.07.2013
(54) PACKAGE RECOGNITION SYSTEM
(73) Unilever NV
(72) CROSS, David, Murray
PATON, Michael
TOON, Daniel, Thomas
(31) 12175405
12175406
13160328
13160324
13160325
13160326
13160342
(32) 06.07.2012
06.07.2012
21.03.2013
21.03.2013
21.03.2013
21.03.2013
21.03.2013
(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)
European Patent Office (EPO)

(51) A47J 31/36
A47J 31/06
(11) EP2934248
(21) EP13814524.8
(47) 11.09.2019
(87) EP2013077273
26.06.2014
(22) 19.12.2013
(54) SENSOR FOR MULTI-SIZE CARTRIDGE EXTRACTION UNIT
(73) Société des Produits Nestlé S.A.
(72) FLICK, Jean-Marc
BONACCI, Enzo
(31) 12197963
(32) 19.12.2012
(33) European Patent Office (EPO)

(51) A47J 31/36
A47J 31/40
B65D 85/804
(11) EP2361206
(21) EP09796119.7
(47) 11.09.2019
(87) NL2009050826
11.11.2010
(22) 30.12.2009
(54) CAPSULE FOR CONTAINING BEVERAGE INGREDIENTS
(73) Koninklijke Douwe Egberts B.V.
(72) KAMERBEEK, Ralf
KOELING, Hendrik, Cornelis
BIESHEUVEL, Arend, Cornelis, Jacobus
(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)

(51) A47J 31/36
A47J 31/44
(11) EP3027093
(21) EP14745134.8
(47) 11.09.2019
(87) EP2014066439
05.02.2015
(22) 30.07.2014
(54) SYSTEM FOR PRODUCING BEVERAGES BY INFUSION
(73) Compagnie Méditerranéenne des Cafés
(72) BLANC, Jean-Pierre
THIBAULT, Bertrand
(31) 1357545
(32) 30.07.2013
(33) France

(51) A47J 31/42
(11) EP3177189
(21) EP15750301.2
(47) 11.09.2019
(87) EP2015067556
11.02.2016
(22) 30.07.2015
(54) COFFEE ROASTING APPARATUS, COFFEE BREWING APPARATUS AND COFFEE ROASTING METHOD
(73) Koninklijke Philips N.V.
(72) TAN, Jingwei
ZHOU, Jun
KELLY, Declan Patrick
WANG, Yanyan
(31) PCT/CN2014/083755
14189855
(32) 05.08.2014
22.10.2014
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) A47J 31/44
A47J 31/40
A47J 31/06
(11) EP3395213
(21) EP18178158.4
(47) 11.09.2019
(22) 19.03.2015
(54) DOSING TOOL
(73) Breville Pty Limited
(72) GRIGOR, Andrew, John
CHALK, Simon James
(31) 2014900757
(32) 06.03.2014
(33) Australia

(51) A47J 31/44
A47J 43/046
B01F 3/04
(11) EP2965670
(21) EP14761055.4
(47) 11.09.2019
(87) JP2014055621
12.09.2014
(22) 05.03.2014
(54) MILK FOAMER
(73) UCC Ueshima Coffee Co., Ltd.
(72) JIN, Huan
LIU, Wanquan
ORIGANE, Masaaki
TAGUCHI, Teruaki
KISHI, Hideaki
(31) 201310072701
201320103994 U
201320104219 U
201320104108 U
201320113314 U
201320330547 U
201310304965
201320431680 U
(32) 07.03.2013
07.03.2013
07.03.2013
07.03.2013
13.03.2013
08.06.2013
19.07.2013
19.07.2013
(33) China
China
China
China
China
China
China
China

(51) A47J 31/46
A47J 31/52
(11) EP3226729
(21) EP15805305.8
(47) 11.09.2019
(87) IB2015059117
09.06.2016
(22) 25.11.2015
(54) MACHINE FOR THE PREPARATION OF BEVERAGES, IN PARTICULAR ESPRESSO COFFEE
(73) Luigi Lavazza S.p.A.
(72) ROTTA, Denis
(31) TO20141002
(32) 02.12.2014
(33) Italy

(51) A47J 31/54
(11) EP3379983
(21) EP16823329.4
(47) 11.09.2019
(87) IB2016057063
01.06.2017
(22) 23.11.2016
(54) UNIT FOR DISPENSING HOT BEVERAGES, PARTICULARLY FOR ESPRESSO COFFEE, AND COFFEE MACHINE COMPRISING SAID DISPENSING UNIT
(73) Vibiemme S.r.l.

(72) OSNATO, Cristiano
(31) UB20155938
(32) 26.11.2015
(33) Italy

(51) A47J 37/06
(11) EP3003107
(21) EP14727482.3
(47) 11.09.2019
(87) EP2014061194
11.12.2014
(22) 29.05.2014
(54) AIR-BASED FRYER
(73) Koninklijke Philips N.V.
(72) DE HAAS, Rogier Enrico
PASTOORS, Marc Alexander
VAN WIFFEREN, Reindert Jannes
SHRIVASTAVA, Adarsh
ZAINITZER, Christian
WURMITZER, Rudolf
(31) 13170407
(32) 04.06.2013
(33) European Patent Office (EPO)

(51) A47J 43/046
A47J 43/07
A47J 43/042
(11) EP3169207
(21) EP15821974.1
(47) 11.09.2019
(87) AU2015000419
21.01.2016
(22) 16.07.2015
(54) PERSONAL BLENDER
(73) Breville Pty Limited
(72) HOARE, Richard
THAI, Khon
CORKIN, Raymond, George
(31) 2014902763
(32) 17.07.2014
(33) Australia

(51) A47J 43/07
(11) EP2178427
(21) EP08786614.1
(47) 11.09.2019
(87) EP2008059980
19.02.2009
(22) 30.07.2008
(54) KITCHEN MACHINE COMPRISING MEANS FOR DISCHARGING IMPURITIES
(73) BSH Hausgeräte GmbH
(72) RUDEZ, Darko
PESEC, Jurij
OBLAK, Aleksander
(31) 102007038350
(32) 14.08.2007
(33) Germany

(51) A47J 43/07
A47J 43/046
(11) EP3324803
(21) EP16741306.1
(47) 11.09.2019
(87) EP2016067259
26.01.2017
(22) 20.07.2016
(54) A DEVICE FOR PREPARING FOOD INGREDIENTS
(73) Koninklijke Philips N.V.
(72) IVARSSON, Bengt Ivar Anders
JIANG, Ou O
WAN, Vicki
(31) PCT/CN2015/084453
15198569
(32) 20.07.2015
09.12.2015
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) A47J 43/07
A47J 43/08
(11) EP3130265
(21) EP16181693.9
(47) 11.09.2019
(22) 28.07.2016
(54) SECURITY LOCKING SYSTEM FOR A KITCHEN DEVICE
(73) BSH Hausgeräte GmbH
(72) Enci, David
Potocnik, David
Berzelak, Matej
Pesec, Jurij
(31) 201500183
(32) 03.08.2015
(33) Slovenia

(51) A47K 5/12
(11) EP2915470
(21) EP15155922.6
(47) 11.09.2019
(22) 12.12.2008
(54) Counter-mounted viscous liquid dispenser and mounting system
(73) KIMBERLY-CLARK WORLDWIDE, INC.
(72) Phelps, Stephen Lawrence
Beltz, Andrew Joseph
(31) 613007
(32) 31.12.2007
(33) United States of America

(51) A47K 7/02
(11) EP1424928
(21) EP02798967.2
(47) 11.09.2019
(87) US2002029245
27.03.2003
(22) 13.09.2002
(54) METHOD OF EXFOLIATION OF SKIN USING CLOSELY-PACKED MICROSTRUCTURES
(73) Corium International, Inc.
(72) GARTSTEIN, Vladimir
SHERMAN, Faiz Feisal
(31) 952403
155108
(32) 14.09.2001
24.05.2002
(33) United States of America
United States of America

(51) A47K 7/03
A47K 7/02
A45D 44/00
A61Q 19/00
A61K 8/02
(11) EP1266599
(21) EP02254106.4
(47) 11.09.2019
(22) 12.06.2002
(54) SOLID CLEANSER HOLDER
(73) Johnson & Johnson Consumer Inc.
(72) Duden, Carol
McMeekin, Linda
(31) 879931
(32) 13.06.2001
(33) United States of America

(51) A47K 10/48
G01F 23/26
(11) EP3111816
(21) EP14883986.3
(47) 11.09.2019
(87) JP2014054859
03.09.2015
(22) 27.02.2014
(54) HAND DRYER DEVICE
(73) Mitsubishi Electric Corporation
(72) MARUYAMA, Masayoshi
FUKAYA, Yoshihiro
FUJIMURA, Tatsuya

(51) A47L 9/00
A47L 5/12
(11) EP3351157
(21) EP18150536.3
(47) 11.09.2019
(22) 08.01.2018
(54) AUTOMATICALLY MOVING CLEANING DEVICE
(73) Vorwerk & Co. Interholding GmbH
(72) Isenberg, Gerhard
Ortmann, Roman
Holz, Christian
(31) 102017100299
(32) 09.01.2017
(33) Germany

(51) A47L 9/04
A47L 9/06
A47L 5/36
A47L 9/28
(11) EP3128890
(21) EP15777394.6
(47) 11.09.2019
(87) US2015024576
15.10.2015
(22) 06.04.2015
(54) POWER HEAD FOR VACUUM SYSTEMS
(73) Tiger Tool International Incorporated
(72) ANDREWS, Michael
ERVONDY, Doddy
(31) 201461976403 P
(32) 07.04.2014
(33) United States of America

(51) A47L 9/04
A47L 11/40
A47L 11/282
(11) EP3238597
(21) EP15905700.9
(47) 11.09.2019
(87) CN2015091684
13.04.2017
(22) 10.10.2015
(54) FLOOR CLEANER, AND STRUCTURE FOR CLEARING CLEANING ROLLER THEREOF
(73) Hizero Technologies Co., Ltd.
(72) LI, Yang
ZHANG, Yong

(51) A47L 9/16
(11) EP3175759
(21) EP16201029.2

(47) 11.09.2019
(22) 29.11.2016
(54) CYCLONE MODULE FOR VACUUM CLEANER
(73) Bissell Homecare, Inc.
(72) Krebs, Alan J.
Lenkiewicz, Kenneth M.
(31) 201562263132 P
(32) 04.12.2015
(33) United States of America

(51) A47L 13/254
(11) EP2988644
(21) EP14722539.5
(47) 11.09.2019
(87) EP2014000887
30.10.2014
(22) 03.04.2014
(54) MOP
(73) Carl Freudenberg KG
(72) WILMES, Sabine
GIBIS, Karl-Ludwig
PHILIPP, Dieter
MAST, Christian
SCHMITT, Lars
WALTER, Susanne
(31) 102013007124
102013009372
(32) 25.04.2013
05.06.2013
(33) Germany
Germany

(51) A47L 15/00
A47L 15/42
A47L 15/46
(11) EP2315546
(21) EP09741209.2
(47) 11.09.2019
(87) EP2009005369
28.01.2010
(22) 23.07.2009
(54) DISHWASHER HAVING CIRCULATION CIRCUITS
(73) BSH Hausgeräte GmbH
(72) FAUTH, Michael
HEISELE, Bernd
RIEGER, Roland
(31) 102008040653
PCT/EP2009/059018
(32) 23.07.2008
15.07.2009
(33) Germany
World Intellectual Property Office (WIPO)

(51) A47L 15/00
A47L 15/42
A47L 15/48
(11) EP2618712
(21) EP11757289.1
(47) 11.09.2019
(87) EP2011065829
29.03.2012
(22) 13.09.2011
(54) DISHWASHER, IN PARTICULAR DOMESTIC DISHWASHER
(73) BSH Hausgeräte GmbH
(72) JERG, Helmut
RIEGER, Roland
ROSENBAUER, Michael, Georg
WACHINGER, Thomas
(31) 102010041215
(32) 22.09.2010
(33) Germany

(51) A47L 15/00
A47L 15/46
D06F 35/00
D06F 33/02
(11) EP2323532
(21) EP09780602.0
(47) 11.09.2019
(87) EP2009059028
28.01.2010
(22) 15.07.2009
(54) WATER-CONDUCTING HOUSEHOLD APPLIANCE, IN PARTICULAR DISHWASHER OR WASHING MACHINE
(73) BSH Hausgeräte GmbH
(72) HEISELE, Bernd
JERG, Helmut
RIEGER, Roland
ROSENBAUER, Michael
(31) 102008040647
(32) 23.07.2008
(33) Germany

(51) A47L 15/42
(11) EP2461731
(21) EP10736691.6
(47) 11.09.2019
(87) EP2010060617
10.02.2011
(22) 22.07.2010
(54) WATER-BEARING DOMESTIC APPLIANCE
(73) BSH Hausgeräte GmbH
(72) ERTL, Christian
HEISELE, Bernd
LUGERT, Michael
WIRTH, Karl
(31) 102009028274
(32) 06.08.2009
(33) Germany

(51) A47L 15/42
F16K 1/42
F16K 25/00
A47L 15/00
(11) EP2461732
(21) EP10737548.7
(47) 11.09.2019
(87) EP2010060624
10.02.2011
(22) 22.07.2010
(54) WATER-BEARING DOMESTIC APPLIANCE
(73) BSH Hausgeräte GmbH
(72) HEISELE, Bernd
LUGERT, Michael
WIRTH, Karl
(31) 102009028277
(32) 06.08.2009
(33) Germany

(51) A47L 15/48
(11) EP3127463
(21) EP16178421.0
(47) 11.09.2019
(22) 07.07.2016
(54) DISHWASHER WITH AN AIR DUCT
(73) BSH Hausgeräte GmbH
(72) Lugert, Michael
Oblinger, Werner
(31) 102015214773
(32) 03.08.2015
(33) Germany

(51) A47L 15/48
(11) EP2802251
(21) EP13702674.6
(47) 11.09.2019
(87) US2013021107
18.07.2013
(22) 11.01.2013
(54) WASHING APPLIANCE WITH IMPROVED AIR HANDLING SYSTEM
(73) Illinois Tool Works Inc.
(72) OLSON, Jonathan H.
(31) 201261586134 P
(32) 13.01.2012
(33) United States of America

(51) A47L 17/00
C09D 183/02
C09D 183/04
C08G 77/02
C08G 77/04
(11) EP3324816
(21) EP16741279.0
(47) 11.09.2019
(87) EP2016066733
26.01.2017
(22) 14.07.2016
(54) HOUSEHOLD APPLIANCE COMPONENT COMPRISING A BASE ELEMENT WITH A FUNCTIONAL COATING
(73) BSH Hausgeräte GmbH
(72) ARTAL LAHOZ, Maria Carmen
BAYINDIR, Mehmet
BUNUEL MAGDALENA, Miguel Angel
CASTRO LAPETRA, Cristina
DAGLAR, Bihter
DISPINAR, Tugba
MARTINEZ SOLANAS, Elena
SANZ NAVAL, Javier
YILDIRIM, Adem
YÜCEL, Murat
ÖKSÜZ, Dilara
(31) 201531061
(32) 20.07.2015
(33) Spain

(51) A61B 1/00
A61B 1/018
A61B 1/303
A61B 17/435
A61B 8/00
A61D 19/04
(11) EP3254607
(21) EP17166430.3
(47) 11.09.2019
(22) 13.04.2017
(54) EMBRYO TRANSFER
(73) Gavaga, Quinn A.
(72) Gavaga, Quinn A.
(31) 2927368
(32) 20.04.2016
(33) Canada

(51) A61B 1/00
G06T 7/90
A61B 1/06
A61B 5/00
A61B 5/02

G06K 9/00
G06T 7/00
A61B 1/04
(11) EP2807973
(21) EP13741638.4
(47) 11.09.2019
(87) JP2013050361
01.08.2013
(22) 11.01.2013
(54) ENDOSCOPE SYSTEM, PROCESSOR DEVICE FOR ENDOSCOPE SYSTEM, AND IMAGE PROCESSING METHOD
(73) Fujifilm Corporation
(72) KAKU,Toshihiko
IIDA, Takayuki
(31) 2012013317
(32) 25.01.2012
(33) Japan

(51) A61B 1/018
A61F 2/46
A61F 2/28
A61F 2/30
A61F 2/44
(11) EP2758008
(21) EP12834152.6
(47) 11.09.2019
(87) US2012056297
28.03.2013
(22) 20.09.2012
(54) EXPANDABLE INTER-VERTEBRAL CAGE
(73) The University of Toledo
(72) ELAHINIA, Mohammad
AGARWAL, Anand
GOEL, Vijay
ANDERSON, Walter
CHAPMAN, Cory
(31) 201161536744 P
(32) 20.09.2011
(33) United States of America

(51) A61B 1/05
A61B 1/00
A61B 1/06
A61B 5/01
A61B 5/00
A61J 15/00
A61M 5/142
A61B 1/233
A61B 1/273
(11) EP3253357
(21) EP16746232.4
(47) 11.09.2019
(87) IL2016050115
11.08.2016
(22) 02.02.2016
(54) ENTERAL FEEDING PUMP
(73) Envizion Medical Ltd.
(72) BESSER, Doron
BEN EZRA, Guy
(31) 201562110860 P
(32) 02.02.2015
(33) United States of America

(51) A61B 1/06
(11) EP3119265
(21) EP15764312.3
(47) 11.09.2019
(87) US2015022080
24.09.2015
(22) 23.03.2015
(54) CARD EDGE CONNECTOR FOR AN IMAGING SENSOR
(73) DePuy Synthes Products, Inc.
(72) HENLEY, Jeremiah, D.
BLANQUART, Laurent
DEAN, Brian
(31) 201461968959 P
(32) 21.03.2014
(33) United States of America

(51) A61B 1/12
A61B 1/00
A46B 9/02
A61B 90/70
(11) EP3338618
(21) EP16836896.7
(47) 11.09.2019
(87) JP2016070146
23.02.2017
(22) 07.07.2016
(54) METHOD FOR WASHING TREATMENT TOOL-RAISING BASE
(73) FUJIFILM Corporation
(72) HIRANO, Souta
OHKI, Tomohiro
TAKEUCHI, Kazuya
(31) 2015160472
(32) 17.08.2015
(33) Japan

(51) A61B 1/24
A61B 5/00
G06T 15/00
G06T 19/20
G06T 7/33
G06T 7/246
G16H 30/40
G16H 50/50
A61C 7/00
A61C 9/00
G06T 7/00
(11) EP3212115
(21) EP15787967.7
(47) 11.09.2019
(87) EP2015074868
06.05.2016
(22) 27.10.2015
(54) METHOD FOR MONITORING AN ORTHODONTIC TREATMENT
(73) Dental Monitoring
(72) SALAH, Philippe
AYACHE, William
DEBRAUX, Laurent
GHYSELINCK, Guillaume
PELLISSARD, Thomas
(31) 1460315
(32) 27.10.2014
(33) France

(51) A61B 3/10
A61B 3/12
G01B 9/02
(11) EP2768379
(21) EP12841821.7
(47) 11.09.2019
(87) US2012060631
25.04.2013
(22) 17.10.2012
(54) APPARATUS FOR DETERMINING EYE TOPOGRAPHY
(73) Eyedeal Scanning LLC
(72) BISHOP, Robert P.
(31) 201161547904 P
(32) 17.10.2011
(33) United States of America

(51) A61B 3/113
A61B 3/00
A61F 2/16
A61F 9/007
G06T 7/30
A61F 9/008
G06T 7/00
(11) EP2373207
(21) EP09737424.3
(47) 11.09.2019
(87) EP2009063753
29.04.2010
(22) 20.10.2009
(54) METHOD AND APPARATUS FOR IMAGE PROCESSING FOR COMPUTER-AIDED EYE SURGERY
(73) Alcon Pharmaceuticals Ltd.
(72) KERSTING, Oliver
(31) 08167232
(32) 22.10.2008
(33) European Patent Office (EPO)

(51) A61B 5/00
(11) EP3319507
(21) EP16747630.8
(47) 11.09.2019
(87) JP2016003184
12.01.2017
(22) 04.07.2016
(54) DEVICE FOR ACQUIRING INFORMATION RELATING TO POSITION DISPLACEMENT OF MULTIPLE IMAGE DATA SETS, METHOD, AND PROGRAM
(73) Canon Kabushiki Kaisha
(72) ISHIKAWA, Ryo
(31) 2015138113
2015138112
(32) 09.07.2015
09.07.2015
(33) Japan
Japan

(51) A61B 5/00
(11) EP2621334
(21) EP11770606.9
(47) 11.09.2019
(87) US2011054287
05.04.2012
(22) 30.09.2011
(54) DETECTING, QUANTIFYING, AND/OR CLASSIFYING SEIZURES USING MULTIMODAL DATA
(73) Flint Hills Scientific, L.L.C.
(72) OSORIO, Ivan
(31) 201113098262
896525
(32) 29.04.2011
01.10.2010
(33) United States of America
United States of America

(51) A61B 5/00
A45D 2/00
A61B 5/04
G01N 33/36

G01N 27/60
(11) EP3439539
(21) EP17712523.4
(47) 11.09.2019
(87) EP2017057144
12.10.2017
(22) 27.03.2017
(54) FIBER QUALITY SENSOR
(73) Koninklijke Philips N.V.
(72) GERHARDT, Lutz, Christian
ASVADI, Sima
VAN LIEROP, Michael, Maria, Johannes
JOYE, Neil, Francis
JOHNSON, Mark, Thomas
OUWERKERK, Martin
(31) 16164516
(32) 08.04.2016
(33) European Patent Office (EPO)

(51) A61B 5/00
A61B 5/01
A61B 5/11
(11) EP3389476
(21) EP16845371.0
(47) 11.09.2019
(87) EP2016081576
22.06.2017
(22) 16.12.2016
(54) METHOD FOR DETERMINING AUTOMATICALLY THE DICHOTOMY INDEX I<O OF AN INDIVIDUAL
(73) Université de Technologie de Troyes
INSERM - Institut National de la Santé et de la Recherche Médicale
Altran Technologies - Altran
Universite Paris-Sud
(72) CHKEIR, Aly
DUCHENE, Jacques
HEWSON, David James
LEVI, Francis, Albert
BEAU, Jacques, Jean
(31) 1562557
(32) 16.12.2015
(33) France

(51) A61B 5/00
A61B 5/145
G06T 11/00
(11) EP2732756
(21) EP13190007.8
(47) 11.09.2019
(22) 24.10.2013
(54) Object information acquisition apparatus
(73) Canon Kabushiki Kaisha
(72) Nanaumi, Ryuichi
(31) 2012251317
(32) 15.11.2012
(33) Japan

(51) A61B 5/02
A61B 8/02
A61B 8/06
A61B 5/1455
A61B 5/00
(11) EP2815697
(21) EP12868512.0
(47) 11.09.2019
(87) RU2012000096
22.08.2013
(22) 13.02.2012
(54) DEVICE FOR ASSESSING REGIONAL BLOOD CIRCULATION
(73) Girina, Marina Borisovna
Girin, Ivan Ivanovich
(72) Girina, Marina Borisovna
Girin, Ivan Ivanovich

(51) A61B 5/0205
A61B 5/04
A61B 5/0408
A61B 5/00
A61B 5/053
A61B 5/0478
A61B 5/0492
(11) EP3016580
(21) EP14819599.3
(47) 11.09.2019
(87) US2014045030
08.01.2015
(22) 01.07.2014
(54) METHOD FOR IDENTIFY AND REDUCE ARTIFACT NOISE IN A REMOTE PATIENT MONITORING SYSTEM
(73) Mayo Foundation for Medical Education and Research
(72) BENNET, Kevin E.
BRUCE, Charles J.
FRIEDMAN, Paul A.
SOMERS, Virend K.
(31) 201361841862 P
(32) 01.07.2013
(33) United States of America

(51) A61B 5/0215
(11) EP3122241
(21) EP15768203.0
(47) 11.09.2019
(87) US2015022284
01.10.2015
(22) 24.03.2015
(54) AN IMPLANTABLE DUAL SENSOR BIO-PRESSURE TRANSPONDER AND METHOD OF CALIBRATION
(73) Arkis BioSciences Inc.
(72) SEAVER, Chad Eric
(31) 201461969789 P
(32) 24.03.2014
(33) United States of America

(51) A61B 5/0215
(11) EP2250960
(21) EP10008063.9
(47) 11.09.2019
(22) 19.02.2008
(54) Disposable sensor device and monitoring system
(73) Edwards Lifesciences IPRM AG
(72) Knoll, Reinhold
Michard, Frederic
Fähle, Matthias
Thomamüller, Tobias
Pfeiffer, Ulrich
(31) 102007009573
(32) 27.02.2007
(33) Germany

(51) A61B 5/0215
A61B 5/08
(11) EP2559377
(21) EP12178482.1
(47) 11.09.2019
(22) 30.07.2012
(54) METHOD AND IMPLANTABLE MEDICAL SYSTEM FOR MONITORING RESPIRATORY PARAMETERS AND A CORRESPONDING COMPUTER PROGRAM AND A CORRESPONDING COMPUTER-READABLE STORAGE MEDIUM
(73) BIOTRONIK SE & Co. KG
(72) KIRCHNER, Jens
(31) 201161524351 P
(32) 17.08.2011
(33) United States of America

(51) A61B 5/0215
A61B 5/107
A61B 5/06
A61B 8/00
(11) EP3422929
(21) EP17706827.7
(47) 11.09.2019
(87) EP2017054539
08.09.2017
(22) 28.02.2017
(54) APPARATUS FOR VESSEL CHARACTERIZATION
(73) Koninklijke Philips N.V.
(72) HAASE, Christian
GRASS, Michael
SCHAEFER, Dirk
(31) 16158610
(32) 04.03.2016
(33) European Patent Office (EPO)

(51) A61B 5/0245
A61B 5/022
A61B 5/024
A61B 5/026
(11) EP3181039
(21) EP15828305.1
(47) 11.09.2019
(87) JP2015071244
04.02.2016
(22) 27.07.2015
(54) BIOLOGICAL INFORMATION READING DEVICE
(73) Shinano Kenshi Co., Ltd.
(72) NAKAMURA, Hiroyuki
(31) 2014153171
(32) 28.07.2014
(33) Japan

(51) A61B 5/026
A61B 5/00
(11) EP3434182
(21) EP18183024.1
(47) 11.09.2019
(22) 11.07.2018
(54) SYSTEM FOR MONITORING THE BLOOD SUPPLY TO THE TRANSPLANTED ORGAN
(73) Ceské vysoké ucení technické v Praze
(72) BORTEL, Radoslav
HOSPODKA, Jiri
SEBEK, Jan
FRONEK, Jiri
JANOUSEK, Libor
MALY, Stepan
(31) 20170430
(32) 26.07.2017
(33) Czech Republic

(51) A61B 5/027

A61B 5/02
A61B 5/00
A61B 5/0215
(11) EP3133987
(21) EP15783695.8
(47) 11.09.2019
(87) US2015026643
29.10.2015
(22) 20.04.2015
(54) SENSING GUIDE WIRE AND METHOD OF MANUFACTURING THEREOF
(73) Koninklijke Philips N.V.
(72) BURKETT, David H.
HENDERSON, Eric
SPAARGAREN, Kevin
(31) 201461982080 P
(32) 21.04.2014
(33) United States of America

(51) A61B 5/04
(11) EP2442712
(21) EP10790148.0
(47) 11.09.2019
(87) US2010038886
23.12.2010
(22) 16.06.2010
(54) FEEDBACK CONTROL SYSTEMS AND METHODS FOR PROSTHETIC OR ORTHOTIC DEVICES
(73) Össur hf
(72) SVERRISSON, Ragnar
CLAUSEN, Arinbjörn, V.
(31) 187955 P
(32) 17.06.2009
(33) United States of America

(51) A61B 5/055
A61K 49/04
(11) EP1677677
(21) EP04789495.1
(47) 11.09.2019
(87) US2004032502
14.04.2005
(22) 30.09.2004
(54) CONTRAST MEDIA FOR USE IN MEDICAL AND DIAGNOSTIC PROCEDURES AND METHODS OF USING THE SAME
(73) Bracco Diagnostics Inc.
(72) WILLIAMS, Archie, B., III
(31) 679052
(32) 03.10.2003
(33) United States of America

(51) A61B 5/055
A61N 2/00
(11) EP3106204
(21) EP15749544.1
(47) 11.09.2019
(87) JP2015053390
20.08.2015
(22) 06.02.2015
(54) INTRACEREBRAL CURRENT SIMULATION METHOD AND DEVICE THEREOF, AND TRANSCRANIAL MAGNETIC STIMULATION SYSTEM INCLUDING INTRACEREBRAL CURRENT SIMULATION DEVICE
(73) The University of Tokyo
Osaka University
(72) SAITOH, Youichi
SEKINO, Masaki
TAKIYAMA, Yoshihiro
YAMAMOTO, Keita
(31) 2014026927
(32) 14.02.2014
(33) Japan

(51) A61B 5/07
A61B 5/145
A61B 5/00
A61B 10/00
(11) EP2259714
(21) EP09713068.6
(47) 11.09.2019
(87) NL2009050081
27.08.2009
(22) 23.02.2009
(54) DEVICE FOR DETECTING A MEDICAL CONDITION OR DISEASE
(73) NanoMed Diagnostics B.V.
(72) PINEDO, Herbert Michael
KRAAIJENHAGEN, Roderik Adriaan
VAN DEN BERG, Albert
(31) 08151818
30653 P
(32) 22.02.2008
22.02.2008
(33) European Patent Office (EPO)
United States of America

(51) A61B 5/08
(11) EP2773263
(21) EP12848306.2
(47) 11.09.2019
(87) US2012063544
16.05.2013
(22) 05.11.2012
(54) METABOLIC AND CARDIOPULMONARY MONITOR
(73) LifeLens Technologies, LLC
(72) TOTH, Landy Aaron
MARTIN Roy
SCHWARTZ, Robert
(31) 201161556502 P
(32) 07.11.2011
(33) United States of America

(51) A61B 5/08
A61M 16/00
(11) EP2923641
(21) EP15165344.1
(47) 11.09.2019
(22) 20.06.2011
(54) A BREATHING APPARATUS CONTROL UNIT AND SOFTWARE FOR DETERMINATION OF A CHANGE IN TRANSPULMONARY PRESSURE
(73) The Lung Barometry Sweden AB
(72) Stenqvist, Ola
(31) 356589 P
10166587
201161469100 P
(32) 19.06.2010
19.06.2010
30.03.2011
(33) United States of America
European Patent Office (EPO)
United States of America

(51) A61B 5/083
A61B 5/097
G01N 33/497
A61M 16/04
(11) EP3334339
(21) EP16751664.0
(47) 11.09.2019
(87) IB2016054469
16.02.2017
(22) 27.07.2016
(54) CAPNOGRAPHY WITH DECISION SUPPORT SYSTEM ARCHITECTURE
(73) Koninklijke Philips N.V.
(72) ORR, Joseph
BREWER, Lara Marie
GUNNESON, Paul Bruce
(31) 201562203416 P
(32) 11.08.2015
(33) United States of America

(51) A61B 5/085
A61B 7/00
A61B 5/00
(11) EP3322336
(21) EP16734391.2
(47) 11.09.2019
(87) EP2016065665
19.01.2017
(22) 04.07.2016
(54) SYSTEM AND METHOD FOR ANALYSIS OF THE UPPER AIRWAY AND A RESPIRATORY PRESSURE SUPPORT SYSTEM
(73) Koninklijke Philips N.V.
(72) KUENEN, Maarten Petrus Joseph
AARTS, Ronaldus Maria
KARAKAYA, Koray
DELLIMORE, Kiran Hamilton J.
(31) 15177047
(32) 16.07.2015
(33) European Patent Office (EPO)

(51) A61B 5/103
A61B 5/11
G06F 3/01
G06F 3/033
(11) EP2381845
(21) EP09801986.2
(47) 11.09.2019
(87) EP2009067973
08.07.2010
(22) 29.12.2009
(54) DEVICE, METHOD AND SYSTEM FOR CHARACTERISING FOOT MOVEMENTS
(73) Movea S.A
Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) CARITU, Yanis
DE FORAS, Etienne
GODIN, Christelle
AUJAY, Grégoire
(31) 142408 P
(32) 05.01.2009
(33) United States of America

(51) A61B 5/11
A61B 5/113
(11) EP2437662
(21) EP10728322.8
(47) 11.09.2019
(87) IB2010052466
09.12.2010
(22) 02.06.2010

(54) MOTION DETERMINATION APPARATUS
(73) Koninklijke Philips N.V.
(72) MORREN, Geert Guy Georges
JIN, Anmin
YIN, Bin
DURIC, Haris
AARTS, Ronaldus Maria
(31) 09162004
(32) 05.06.2009
(33) European Patent Office (EPO)

(51) A61B 5/145
(11) EP2299904
(21) EP09758789.3
(47) 11.09.2019
(87) US2009003445
10.12.2009
(22) 08.06.2009
(54) MEDICAL MEASUREMENT METHOD
(73) Intuity Medical, Inc.
(72) TOMASCO, Michael, F.
EMERY, Jeffrey, L.
LIPMAN, Kelley, J.
BRNCIC, Daniel, N.
HOHL, David, K.
REYNOLDS, Paul, D.
ESCUTIA, Raul
(31) 129148 P
(32) 06.06.2008
(33) United States of America

(51) A61B 5/145
G16H 50/30
(11) EP2658445
(21) EP11808478.9
(47) 11.09.2019
(87) US2011065402
05.07.2012
(22) 16.12.2011
(54) GLYCEMIC HEALTH METRIC DETERMINATION AND APPLICATION
(73) Medtronic MiniMed, Inc.
(72) DESBOROUGH, Lane
PALERM, Cesar, C.
(31) 201113326890
201061428066 P
(32) 15.12.2011
29.12.2010
(33) United States of America
United States of America

(51) A61B 5/1477
A61B 5/145
G01N 27/414
G01N 33/543
(11) EP3197359
(21) EP15876189.0
(47) 11.09.2019
(87) US2015067913
07.07.2016
(22) 29.12.2015
(54) SYSTEMS AND METHODS FOR DETECTING A SUBSTANCE IN BODILY FLUID
(73) eSense, LLC
(72) HERGET, Meike
KNOPFMACHER, Oren S.
(31) 201414586802
(32) 30.12.2014
(33) United States of America

(51) A61B 5/155
A61B 10/00
A61B 5/15
A61B 5/154
(11) EP3305196
(21) EP17204012.3
(47) 11.09.2019
(22) 04.12.2013
(54) STERILE BODILY-FLUID COLLECTION DEVICESTERILE
(73) Magnolia Medical Technologies, Inc.
(72) BULLINGTON, Gregory, J.
PATTON, Richard G., M., D.
GAW, Shan, E.
(31) 201261733199 P
(32) 04.12.2012
(33) United States of America

(51) A61B 5/20
(11) EP2964092
(21) EP14713770.7
(47) 11.09.2019
(87) EP2014053968
12.09.2014
(22) 28.02.2014
(54) PRESSURE-MEASURING SYSTEM AND METHOD FOR AUTOMATIC DEAERATION AND ZERO-SETTING
(73) Medical Measurement Systems B.V.
(72) JENSEN, Michael Gondy
WITTE, Jens
VAN GORKOM, David
LARSEN, Kristine
(31) 102013102083
(32) 04.03.2013
(33) Germany

(51) A61B 5/20
G01F 1/00
G01F 1/075
(11) EP3275372
(21) EP16768750.8
(47) 11.09.2019
(87) JP2016058966
29.09.2016
(22) 22.03.2016
(54) URINE FLOW METER
(73) Geo System Co., Ltd.
(72) SHIMOKAWA, Saburo
UDAGAWA, Hiroshi
HARA, Tomomi
KURAGANE, Rikio
(31) 2015059524
(32) 23.03.2015
(33) Japan

(51) A61B 6/00
(11) EP2162067
(21) EP07826154.2
(47) 11.09.2019
(87) IB2007053434
08.01.2009
(22) 04.07.2007
(54) METHOD FOR CORRECTING AN ACQUIRED MEDICAL IMAGE AND MEDICAL IMAGER
(73) EOS Imaging
(72) LE BRAS, Anthony

(51) A61B 6/03
A61B 6/00
(11) EP3010418
(21) EP14742625.8
(47) 11.09.2019
(87) US2014043533
24.12.2014
(22) 21.06.2014
(54) QUANTITATIVE PHANTOMLESS CALIBRATION OF COMPUTED TOMOGRAPHY SCANS
(73) O.N. Diagnostics, LLC
(72) KOPPERDAHL, David, L.
LEE, David Choen
KEAVENY, Tony, M.
(31) 201361838159 P
(32) 21.06.2013
(33) United States of America

(51) A61B 6/03
H05G 1/00
G06K 9/00
(11) EP3099238
(21) EP15739891.8
(47) 11.09.2019
(87) US2015011628
30.07.2015
(22) 15.01.2015
(54) RADIOLOGICAL IMAGING DEVICE WITH ADVANCED SENSORS
(73) Epica International, Inc.
(72) STOUTENBURGH, Gregory, William
FORTUNA, Damiano
MANETTI, Leonardo
(31) 201461932028 P
201414323808
(32) 27.01.2014
03.07.2014
(33) United States of America
United States of America

(51) A61B 6/12
A61B 6/00
A61B 34/20
(11) EP3316786
(21) EP16734036.3
(47) 11.09.2019
(87) IB2016053557
05.01.2017
(22) 16.06.2016
(54) FIBER-OPTICAL REALSHAPE SENSING FOR FLUOROSCOPIC SURGICAL NAVIGATION
(73) Koninklijke Philips N.V.
(72) FLEXMAN, Molly Lara
NOONAN, David Paul
(31) 201562186874 P
(32) 30.06.2015
(33) United States of America

(51) A61B 6/14
A61B 6/00
A61B 10/00
G01N 33/50
(11) EP3210539
(21) EP16157078.3
(47) 11.09.2019
(22) 24.02.2016
(54) INTRA-ORAL X-RAY DETECTION
(73) Nokia Technologies Oy
(72) MYYRYLÄINEN, Lea

(51) A61B 7/04
A61B 5/02
A61B 5/0205

A61B 5/022
A61B 5/029
A61B 5/107
A61B 5/11
A61B 5/021
A61B 5/024
A61B 5/0245
A61B 5/00
A61B 5/0408
(11) EP3277171
(21) EP16716391.4
(47) 11.09.2019
(87) US2016025459
06.10.2016
(22) 01.04.2016
(54) WRIST-WORN PULSE TRANSIT TIME SENSOR AND METHOD OF USING THE SAME
(73) Microsoft Technology Licensing, LLC
(72) MORRIS, Daniel
TAN, Desney S.
SAPONAS, Scott T.
PATEL, Shwetak N.
VILLAR, Nicolas
SMITH, Gregory R.
GUPTA, Sidhant
COHN, Gabriel Adam
KALE, David C.
MALLADI, Sailaja
PAULSEN, Ronald E.
(31) 201562142441 P
201514750646
(32) 02.04.2015
25.06.2015
(33) United States of America
United States of America

(51) A61B 8/00
(11) EP3164077
(21) EP15750457.2
(47) 11.09.2019
(87) IB2015054978
07.01.2016
(22) 02.07.2015
(54) PORTABLE ULTRASOUND INTERFACE FOR ULTRASOUND WORKSTATIONS
(73) Koninklijke Philips N.V.
(72) TAHMASEBI MARAGHOOSH, Amir Mohammad
(31) 201462020572 P
(32) 03.07.2014
(33) United States of America

(51) A61B 8/00
G01N 29/22
(11) EP2370810
(21) EP09801737.9
(47) 11.09.2019
(87) FR2009052373
10.06.2010
(22) 02.12.2009
(54) ELASTOGRAPHY DEVICE AND METHOD
(73) Echosens
(72) SANDRIN, Laurent
BOSISIO, Matteo
BASTARD, Cécile
(31) 0858278
(32) 04.12.2008
(33) France

(51) A61B 8/00
G01N 29/24
A61B 5/00
(11) EP3082613
(21) EP14872760.5
(47) 11.09.2019
(87) KR2014003464
25.06.2015
(22) 21.04.2014
(54) PHOTOACOUSTICE PROBE AND PHOTOACOUSTIC DIAGNOSTIC APPARATUS
(73) Samsung Medison Co., Ltd.
Samsung Electronics Co., Ltd.
(72) KIM, Jung-ho
KOH, Dal-kwon
OH, Jung-taek
JUNG, Jong-kyu
(31) 20130156646
(32) 16.12.2013
(33) Korea (Republic)

(51) A61B 8/08
(11) EP2501295
(21) EP10782423.7
(47) 11.09.2019
(87) JP2010070251
26.05.2011
(22) 09.11.2010
(54) IMAGE FORMING METHOD
(73) Canon Kabushiki Kaisha
(72) NAKAGAWA, Katsumi
(31) 2009261898
2010196429
2010245390
(32) 17.11.2009
02.09.2010
01.11.2010
(33) Japan
Japan
Japan

(51) A61B 8/15
G01N 21/17
G01N 29/24
G10K 15/04
(11) EP2595544
(21) EP11735921.6
(47) 11.09.2019
(87) JP2011003919
26.01.2012
(22) 08.07.2011
(54) IMAGE INFORMATION ACQUIRING APPARATUS, IMAGE INFORMATION ACQUIRING METHOD AND IMAGE INFORMATION ACQUIRING PROGRAM
(73) Canon Kabushiki Kaisha
(72) WANDA, Koichiro
(31) 2010164616
(32) 22.07.2010
(33) Japan

(51) A61B 10/00
(11) EP3328286
(21) EP16750103.0
(47) 11.09.2019
(87) EP2016025082
02.02.2017
(22) 29.07.2016
(54) DISPOSABLE CONTAINER OF 30 OR 90 ML FOR THE STORAGE AND TRANSPORTATION OF HUMAN TISSUE SAMPLES OR ORGANS TO BE SUBJECTED TO HISTOLOGICAL EXAMINATION
(73) Tecnobilife S.r.l.
(72) CINTI, Mario
BICOCCHI, Enrico
(31) UB20152656
(32) 30.07.2015
(33) Italy

(51) A61B 10/00
B01L 3/00
(11) EP3212090
(21) EP15787655.8
(47) 11.09.2019
(87) GB2015000285
06.05.2016
(22) 10.10.2015
(54) APPARATUS FOR TESTING A LIQUID SPECIMEN
(73) Clever Medical Limited
(72) BLACKWELL, Oliver
(31) 201419133
(32) 27.10.2014
(33) United Kingdom

(51) A61B 17/00
(11) EP3060134
(21) EP14824051.8
(47) 11.09.2019
(87) FR2014052695
30.04.2015
(22) 22.10.2014
(54) FIXATION DEVICE FOR FIXING SOFT TISSUE TO A BONE
(73) LCA
(72) POTEL, Jean-François
JONES, David
JAVOIS, Christophe
FRANCESCHI, Jean-Pierre
SBIHI, Abderrahmane
PUJOL, Nicolas
SEIL, Romain
(31) 1360475
(32) 25.10.2013
(33) France

(51) A61B 17/00
(11) EP3151753
(21) EP15731436.0
(47) 11.09.2019
(87) US2015034452
10.12.2015
(22) 05.06.2015
(54) SEALING DEVICE
(73) W. L. Gore & Associates, Inc.
(72) BROWN, Tyler, J.
HUA, Khoa
NELSON, Devin, M.
RUST, Keith, O.
(31) 201462009026 P
201514731205
(32) 06.06.2014
04.06.2015
(33) United States of America
United States of America

(51) A61B 17/00
(11) EP2409652
(21) EP11250670.4
(47) 11.09.2019

(22) 21.07.2011
(54) Molds for in situ forming materials
(73) Covidien LP
(72) Sargeant, Timothy
Stopek, Joshua
Desai, Arpan
Agawu, Atu
Banerjee, Saumya
(31) 366604 P
201113158728
(32) 22.07.2010
13.06.2011
(33) United States of America
United States of America

(51) A61B 17/00
A61B 17/34
A61B 1/06
A61B 1/015
A61B 1/00
A61B 1/12
A61B 1/313
A61M 13/00
(11) EP2984993
(21) EP15185511.1
(47) 11.09.2019
(22) 08.10.2007
(54) VISUAL INSUFFLATION PORT
(73) Applied Medical Resources Corporation
(72) Taylor, Scott
Balschweit, Paul
Albrecht, Jeremy
Johnson, Gary
Hilal, Said
Falkenstein, Zoran
(31) 828529 P
(32) 06.10.2006
(33) United States of America

(51) A61B 17/02
A61B 90/30
F21V 33/00
A61B 1/06
A61B 1/32
A61B 1/00
A61B 17/00
(11) EP2809240
(21) EP13742965.0
(47) 11.09.2019
(87) US2013024098
08.08.2013
(22) 31.01.2013
(54) SURGICAL RETRACTOR WITH LIGHT
(73) Hangzhou Hawk Optical Electronic Instruments Co., Ltd.
(72) WAN, Shaw, P.
(31) 201213362029
(32) 31.01.2012
(33) United States of America

(51) A61B 17/04
A61B 17/12
A61B 17/3205
A61B 17/128
A61B 17/32
(11) EP3106098
(21) EP16164754.0
(47) 11.09.2019
(22) 27.10.2010
(54) APPARATUS FOR MAINTAINING A FORCE UPON TISSUE USING A LOOP MEMBER
(73) Cook Medical Technologies LLC
(72) BINMOELLER, Kenneth
MCLAWHORN, Tyler Evans
SURTI, Vihar Chandravadan
(31) 256430 P
(32) 30.10.2009
(33) United States of America

(51) A61B 17/08
(11) EP2282682
(21) EP09728808.8
(47) 11.09.2019
(87) US2009038188
08.10.2009
(22) 25.03.2009
(54) DEVICE FOR CLOSING A TISSUE OPENING
(73) DermaClip International Limited
(72) RISKIN, Daniel, J.
FOX, Andrew, D.
BARENBOYM, Michael
(31) 59485
(32) 31.03.2008
(33) United States of America

(51) A61B 17/115
A61B 17/072
(11) EP3181063
(21) EP17154834.0
(47) 11.09.2019
(22) 31.05.2007
(54) SURGICAL DEVICE
(73) Ethicon Endo-Surgery, Inc.
(72) SMITH, Kevin W.
BALES, Thomas
DEVILLE, Derek Dee
RIVERA, Carlos
PALMER, Matthew A.
(31) 810272 P
858112 P
705334
705246
705381
902534 P
(32) 02.06.2006
09.11.2006
12.02.2007
12.02.2007
12.02.2007
21.02.2007
(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) A61B 17/12
(11) EP2599453
(21) EP12194543.0
(47) 11.09.2019
(22) 28.11.2012
(54) Positioning and detaching implants
(73) Covidien LP
(72) Beckham, David
Andrews, Christopher
(31) 201113308476
(32) 30.11.2011
(33) United States of America

(51) A61B 17/16
A61B 17/17
A61B 17/92
(11) EP3291749
(21) EP16728404.1
(47) 11.09.2019
(87) IL2016050469
10.11.2016
(22) 04.05.2016
(54) TOOLS FOR USE WITH OPTIMIZED SOLID SUBSTRATES
(73) Cartiheal (2009) Ltd
(72) ALTSCHULER, Nir
GOREN, Amir
(31) 201562157485 P
(32) 06.05.2015
(33) United States of America

(51) A61B 17/17
(11) EP3092959
(21) EP16170754.2
(47) 11.09.2019
(22) 20.06.2012
(54) ANATOMIC FEMORAL DRILL GUIDE
(73) Smith & Nephew, Inc.
(72) JOHNSON, Darren, Lee
MCCARTHY, Gary, Robert
(31) 201113169320
(32) 27.06.2011
(33) United States of America

(51) A61B 17/22
A61B 17/221
(11) EP3229711
(21) EP15823543.2
(47) 11.09.2019
(87) US2015063943
16.06.2016
(22) 04.12.2015
(54) TIPLESS RETRIEVAL DEVICE
(73) Boston Scientific Scimed, Inc.
(72) TEAGUE, James
STEMLER, David
(31) 201462089996 P
(32) 10.12.2014
(33) United States of America

(51) A61B 17/32
A61B 17/00
(11) EP2178449
(21) EP08794726.3
(47) 11.09.2019
(87) US2008009016
29.01.2009
(22) 23.07.2008
(54) IMPROVED SURGICAL TOOL
(73) Heartware, Inc.
(72) PANDEY, Rajesh
SHAMBAUGH, Charles, R.
(31) 961821 P
(32) 23.07.2007
(33) United States of America

(51) A61B 17/34
A61M 5/158
A61B 8/00
A61B 8/08
A61B 10/00
A61B 10/02
A61M 5/32

A61B 90/00
A61B 5/153
(11) EP2310071
(21) EP09802264.3
(47) 11.09.2019
(87) AU2009000944
04.02.2010
(22) 24.07.2009
(54) AN ECHOGENIC MEDICAL NEEDLE
(73) Coco Research Pty Ltd
(72) MITCHELL, Christopher
(31) 2008903866
(32) 29.07.2008
(33) Australia

(51) A61B 17/50
(11) EP2617375
(21) EP13152042.1
(47) 11.09.2019
(22) 21.01.2013
(54) Tick-removal lever
(73) Meckel-Spenglersan Gmbh
(72) Beller, Klaus-Dieter
(31) 102012200859
(32) 20.01.2012
(33) Germany

(51) A61B 17/70
(11) EP2693965
(21) EP12768267.2
(47) 11.09.2019
(87) US2012032805
11.10.2012
(22) 09.04.2012
(54) CLAMP FOR SPINAL CROSS CONNECTING DEVICE
(73) Blackstone Medical, Inc.
(72) HAMMER, Mike
(31) 201161473004 P
(32) 07.04.2011
(33) United States of America

(51) A61B 17/70
(11) EP2825116
(21) EP13761646.2
(47) 11.09.2019
(87) US2013030356
19.09.2013
(22) 12.03.2013
(54) IMPROVED OCCIPITAL PLATE SYSTEMS
(73) Globus Medical, Inc.
(72) BLACK, Michael
(31) 201213417800
(32) 12.03.2012
(33) United States of America

(51) A61B 17/70
A61F 2/44
A61F 2/30
A61F 2/28
A61F 2/46
(11) EP2809250
(21) EP13743564.0
(47) 11.09.2019
(87) US2013024052
08.08.2013
(22) 31.01.2013
(54) INTERVERTEBRAL DISC PROSTHESIS
(73) Blackstone Medical, Inc.
(72) GREENBERG, Daniel
KLEIN, James
(31) 201213362932
(32) 31.01.2012
(33) United States of America

(51) A61B 17/88
A61B 17/17
A61B 90/00
(11) EP2590581
(21) EP11804356.1
(47) 11.09.2019
(87) US2011043222
12.01.2012
(22) 07.07.2011
(54) APPARATUS FOR PROVIDING A RELATIVE LOCATION INDICATION DURING A SURGICAL PROCEDURE
(73) THE CLEVELAND CLINIC FOUNDATION
(72) BARSOUM, Wael, K.
(31) 362722 P
(32) 09.07.2010
(33) United States of America

(51) A61B 17/92
A61B 17/16
A61F 2/46
B25D 11/12
(11) EP3300677
(21) EP17199731.5
(47) 11.09.2019
(22) 08.03.2013
(54) ELECTRIC MOTOR DRIVEN TOOL FOR ORTHOPEDIC IMPACTING
(73) DePuy Synthes Products, Inc.
(72) PEDICINI, Christopher
(31) 201213466870
(32) 08.05.2012
(33) United States of America

(51) A61B 18/00
(11) EP2745792
(21) EP12844337.1
(47) 11.09.2019
(87) JP2012077784
02.05.2013
(22) 26.10.2012
(54) ULTRASOUND TREATMENT INSTRUMENT
(73) Olympus Corporation
(72) KAWAGUCHI, Yuki
TSUCHIYA, Tomoyuki
HOMMA, Satoshi
(31) 201161551676 P
(32) 26.10.2011
(33) United States of America

(51) A61B 18/14
A61N 7/02
A61B 18/18
(11) EP2849666
(21) EP13731525.5
(47) 11.09.2019
(87) US2013041189
21.11.2013
(22) 15.05.2013
(54) COMPACT DELIVERY PULMONARY TREATMENT SYSTEMS FOR IMPROVING PULMONARY FUNCTION
(73) Nuvaira, Inc.
(72) MAYSE, Martin, L.
DIMMER, Steven, C.
DEEM, Mark
STREETER, John
KAVECKIS, Ryan
HARSHMAN, Edward, S.
(31) 201261649154 P
201361786203 P
(32) 18.05.2012
14.03.2013
(33) United States of America
United States of America

(51) A61B 18/20
A61N 5/06
(11) EP3386412
(21) EP16819281.3
(47) 11.09.2019
(87) EP2016080300
15.06.2017
(22) 08.12.2016
(54) A SKIN TREATMENT DEVICE
(73) Koninklijke Philips N.V.
(72) VARGHESE, Babu
BARAGONA, Marco
PALERO, Jonathan, Alambra
JURNA, Martin
HORTON, Margaret, Ruth
EZERSKAYA, Anna
(31) 15199648
(32) 11.12.2015
(33) European Patent Office (EPO)

(51) A61B 18/26
A61B 5/00
(11) EP3308735
(21) EP17198702.7
(47) 11.09.2019
(22) 11.03.2013
(54) LASER LITHOTRIPSY SYSTEMS
(73) Boston Scientific Scimed, Inc.
(72) CHIA, Wen-Jui Ray
XUAN, Rongwei Jason
HASENBERG, Thomas C.
ZHANG, Jian James
PENG, Steven Yihlih
RAJABHANDHARAKS, Danop
(31) 201261623256 P
201261726713 P
(32) 12.04.2012
15.11.2012
(33) United States of America
United States of America

(51) A61B 34/10
(11) EP3243475
(21) EP17173129.2
(47) 11.09.2019
(22) 01.06.2015
(54) IDENTIFICATION AND VISUALIZATION OF GAPS BETWEEN CARDIAC ABLATION SITES
(73) Biosense Webster (Israel) Ltd.
(72) BUSTAN, Itamar
TIMOFEYEV, Michael
ZOABI, Akram
GAFNI, Noam Seker
(31) 201414293400
(32) 02.06.2014
(33) United States of America

(51) A61B 34/10
A61B 90/00
A61B 34/30
G05B 19/42

B25J 9/16
(11) EP2355711
(21) EP09822545.1
(47) 11.09.2019
(87) US2009061297
29.04.2010
(22) 20.10.2009
(54) ENVIRONMENT PROPERTY ESTIMATION AND GRAPHICAL DISPLAY
(73) The Johns Hopkins University
(72) OKAMURA, Allison, Mariko
YAMAMOTO, Tomonori
VAGVOLGYI, Balazs, Peter
(31) 106683 P
(32) 20.10.2008
(33) United States of America

(51) A61B 34/30
(11) EP2777596
(21) EP14160093.2
(47) 11.09.2019
(22) 14.03.2014
(54) Catheter insertion system and method of fabrication
(73) Auris Health, Inc.
(72) Yu, Alan
(31) 201313832352
(32) 15.03.2013
(33) United States of America

(51) A61B 50/00
B65B 69/00
A61B 50/33
B65D 77/02
B65D 77/26
A61B 34/20
A61B 50/30
(11) EP3065664
(21) EP14799086.5
(47) 11.09.2019
(87) US2014063092
07.05.2015
(22) 30.10.2014
(54) WIRE MANAGEMENT FEATURE INTEGRATED INTO PETG TRAY FOR EM TRACKABLE DISPOSABLE PRODUCTS
(73) Medtronic Xomed, Inc.
(72) HARTFELDER, Teresa
INABINETT, James M.
(31) 201361898229 P
201414327215
(32) 31.10.2013
09.07.2014
(33) United States of America
United States of America

(51) A61B 50/36
A61B 50/00
A61B 50/30
A61B 50/39
(11) EP2563262
(21) EP11723584.6
(47) 11.09.2019
(87) GB2011000647
27.10.2011
(22) 26.04.2011
(54) METHOD FOR STORING MEDICAL INSTRUMENTS
(73) Westfield Medical Limited
(72) HARTLEY, Paul
(31) 201006807
(32) 23.04.2010
(33) United Kingdom

(51) A61C 1/08
A61C 8/00
A61C 13/00
(11) EP2010090
(21) EP07727242.5
(47) 11.09.2019
(87) EP2007052768
04.10.2007
(22) 22.03.2007
(54) METHOD FOR PRODUCING TOOTH PROSTHESIS PARTS
(73) Sicat GmbH & CO. KG
(72) KUSCH, Jochen
HEY, Joachim
RITTER, Lutz
(31) 102006013534
(32) 24.03.2006
(33) Germany

(51) A61C 3/025
A61C 1/00
A61C 17/00
(11) EP3311769
(21) EP16195251.0
(47) 11.09.2019
(22) 24.10.2016
(54) MEDICAL, IN PARTICULAR DENTAL TREATMENT DEVICE FOR PROVIDING AN ABRASIVE STREAMING MEDIUM
(73) Kaltenbach & Voigt GmbH
(72) Wiek, Hans-Dieter
Mohn, Uwe

(51) A61C 5/62
B05C 17/005
(11) EP1489988
(21) EP03719506.2
(47) 11.09.2019
(87) US2003009579
09.10.2003
(22) 26.03.2003
(54) DISPENSING APPARATUS AND CARTRIDGE
(73) Orapharma, Inc.
(72) LAWTER, James, R.
LANZILOTTI, Michael, G.
BATES, Mark
HUNTER, Gregory, H.
(31) 112450
(32) 29.03.2002
(33) United States of America

(51) A61C 8/00
(11) EP3020358
(21) EP14193336.6
(47) 11.09.2019
(22) 14.11.2014
(54) Dental Prosthetic Production Method
(73) Ivoclar Vivadent AG
(72) Burger, Goran
Peschke, Arndt

(51) A61C 8/00
A61C 9/00
(11) EP2838464
(21) EP13717940.4
(47) 11.09.2019
(87) US2013035923
24.10.2013
(22) 10.04.2013
(54) SYSTEM AND METHOD FOR IMPROVED INTRA-ORAL SCANNING PROTOCOL AND CALIBRATION
(73) Biomet 3i, LLC
(72) SUTTIN, Zachary, B.
CRUZ, Joell
(31) 201261624623 P
(32) 16.04.2012
(33) United States of America

(51) A61C 9/00
A61C 19/05
(11) EP2432416
(21) EP10778289.8
(47) 11.09.2019
(87) US2010035324
25.11.2010
(22) 18.05.2010
(54) METHOD AND APPARATUS FOR PREPARING DENTURE
(73) Dentca, Inc.
(72) KIM, Tae Hyung
(31) 179698 P
(32) 19.05.2009
(33) United States of America

(51) A61C 13/00
(11) EP3318218
(21) EP17200298.2
(47) 11.09.2019
(22) 07.11.2017
(54) DENTAL ZIRCONIA BLANK HAVING HIGH RELATIVE DENSITY
(73) Shofu Inc.
(72) KITAMURA, Toshio
AIBA, Rieko
(31) 2016217662
2017209868
(32) 07.11.2016
31.10.2017
(33) Japan
Japan

(51) A61C 13/00
A61C 13/12
B23Q 3/06
(11) EP3332738
(21) EP17205397.7
(47) 11.09.2019
(22) 05.12.2017
(54) PROCESSING TARGET HOLDING DEVICE AND CUTTING DEVICE
(73) Roland DG Corporation
(72) HAYASAKA, Keiichi
HANAJIMA, Shingo
SUYAMA, Akihiro
(31) 2016237643
(32) 07.12.2016
(33) Japan

(51) A61C 13/08
A61C 13/10
A61C 13/12
A61C 8/00
(11) EP3203926
(21) EP15850906.7
(47) 11.09.2019
(87) IL2015051017
21.04.2016

(22) 12.10.2015
(54) ANGULAR DENTAL ABUTMENT ASSEMBLY
(73) T.A.G. Medical Devices - Agriculture Cooperative Ltd.
(72) BARUC, Daniel
(31) 201462062885 P
(32) 12.10.2014
(33) United States of America

(51) A61C 13/20
A61C 13/083
C04B 35/16
C04B 35/22
(11) EP2313024
(21) EP09800047.4
(47) 11.09.2019
(87) EP2009059359
28.01.2010
(22) 21.07.2009
(54) POROUS SILICATE-CERAMIC BODY, DENTAL RESTORATION AND PRODUCTION METHOD THEREOF
(73) Vita Zahnfabrik H. Rauter GmbH & Co. KG
(72) THIEL, Norbert
DORN, Michael
BIBUS, Joachim
GESKE, Vilma
THOLEY, Michael
BOJEMÜLLER, Enno
HUBER, Birgit
(31) 08160834
PCT/EP2008/064602
09156921
(32) 21.07.2008
28.10.2008
31.03.2009
(33) European Patent Office (EPO)
World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) A61C 13/265
A61C 8/00
A61C 9/00
A61C 13/107
(11) EP2709554
(21) EP12786777.8
(47) 11.09.2019
(87) US2012038097
22.11.2012
(22) 16.05.2012
(54) TEMPORARY ABUTMENT WITH COMBINATION OF SCANNING FEATURES AND PROVISIONALIZATION FEATURES
(73) Biomet 3i, LLC
(72) ROBB, T., Tait
HERRINGTON, Stephen, M.
MONTERO, Miguel, G.
GOODMAN, Ralph, E.
ROGERS, Dan, P.
BELLANCA, John, J.
SUTTIN, Zachary, B.
(31) 201161486630 P
(32) 16.05.2011
(33) United States of America

(51) A61C 17/00
A61C 17/02
(11) EP2836157
(21) EP13775073.3
(47) 11.09.2019
(87) US2013036493
17.10.2013
(22) 12.04.2013
(54) APPARATUS FOR CLEANING TEETH AND GINGIVAL POCKETS
(73) SONENDO, INC.
(72) BERGHEIM, Bjarne
KHAKPOUR, Mehrzad
(31) 201261624177 P
201361801682 P
(32) 13.04.2012
15.03.2013
(33) United States of America
United States of America

(51) A61C 17/02
(11) EP3253328
(21) EP15823796.6
(47) 11.09.2019
(87) IB2015059757
11.08.2016
(22) 18.12.2015
(54) DOCKING AND CHARGING STATION AND FILLING OPERATION FOR A HAND-HELD ORAL CLEANING DEVICE
(73) Koninklijke Philips N.V.
(72) JOHANSKI, Brian
MCFADYEN, Lewis
(31) 201562112211 P
(32) 05.02.2015
(33) United States of America

(51) A61C 17/02
A61C 17/00
A61C 3/00
(11) EP3110365
(21) EP15755360.3
(47) 11.09.2019
(87) US2015014059
03.09.2015
(22) 02.02.2015
(54) DENTAL DISPENSING TIP AND METHOD OF MANUFACTURING
(73) Young Microbrush LLC
(72) KORUP, Todd
(31) 201414193857
(32) 28.02.2014
(33) United States of America

(51) A61F 2/00
(11) EP2358297
(21) EP09827051.5
(47) 11.09.2019
(87) AU2009001513
27.05.2010
(22) 20.11.2009
(54) HEART VALVE PROSTHESIS
(73) Percutaneous Cardiovascular Solutions Pty Limited
(72) THAMBAR, Suku
COOK, Martin, Christopher
SCHRECK, Stefan
JAYASINGHE, Stayajit, Rohan
(31) 2008906045
2009900460
(32) 21.11.2008
09.02.2009
(33) Australia
Australia

(51) A61F 2/02
A61L 27/24
A61L 27/14
A61L 27/38
A61C 8/02
(11) EP2863838
(21) EP13807263.2
(47) 11.09.2019
(87) US2013046950
27.12.2013
(22) 21.06.2013
(54) COMPRESSION AND KINK RESISTANT IMPLANTS
(73) Collagen Matrix, Inc.
(72) LI, Shu-Tung
YUEN, Debbie
(31) 201213530322
(32) 22.06.2012
(33) United States of America

(51) A61F 2/06
A61B 17/12
(11) EP3034036
(21) EP16152812.0
(47) 11.09.2019
(22) 13.10.2010
(54) PARAPLEGIA PREVENTION STENT GRAFT
(73) Cook Medical Technologies LLC
(72) IVANCEV, Krasnodar
(31) 278814 P
(32) 13.10.2009
(33) United States of America

(51) A61F 2/24
A61M 25/01
(11) EP2542186
(21) EP11751501.5
(47) 11.09.2019
(87) US2011027405
09.09.2011
(22) 07.03.2011
(54) RETAINING MECHANISMS FOR PROSTHETIC VALVES
(73) Edwards Lifesciences Corporation
(72) MEIRI, Oded
LEVI, Tamir
WITZMAN, Ofir
(31) 311143 P
(32) 05.03.2010
(33) United States of America

(51) A61F 2/28
A61F 2/30
(11) EP3092977
(21) EP16167165.6
(47) 11.09.2019
(22) 26.04.2016
(54) PLANAR BONE REPLACEMENT MATERIAL AND METHOD FOR PRODUCING A POROUS BODY
(73) Heraeus Medical GmbH
(72) Vogt, Sebastian Dr.
(31) 102015107599
(32) 13.05.2015
(33) Germany

(51) A61F 2/30
A61F 2/46
A61F 2/44
(11) EP3019124
(21) EP14747147.8
(47) 11.09.2019

(87) IL2014050613
15.01.2015
(22) 08.07.2014
(54) ORTHOPEDIC IMPLANT WITH ADJUSTABLE ANGLE BETWEEN TISSUE CONTACT SURFACES
(73) SeaSpine, Inc.
(72) LOEBL, Oded
TOUBIA, Didier
YUSTEIN, Haim
(31) 201361843957 P
201361897898 P
201414165614
(32) 09.07.2013
31.10.2013
28.01.2014
(33) United States of America
United States of America
United States of America

(51) A61F 2/38
A61F 2/30
A61F 2/46
A61F 2/00
A61F 2/34
A61F 2/40
A61F 2/42
(11) EP2271288
(21) EP09761056.2
(47) 11.09.2019
(87) US2009039874
23.12.2009
(22) 08.04.2009
(54) Method of selecting meniscus prosthetic devices
(73) Active Implants Corporation
(72) LINDER-GANZ, Eran
SHTERLING, Avraham
WEISSBERG, Noam
ELSNER, Jacob Jonathan
ZUR, Gal
DANINO, Amir
(31) 100115
100090
100069
100059
(32) 09.04.2008
09.04.2008
09.04.2008
09.04.2008
(33) United States of America
United States of America
United States of America
United States of America

(51) A61F 2/44
A61B 17/70
A61F 2/30
A61F 2/28
(11) EP2906155
(21) EP13844839.4
(47) 11.09.2019
(87) US2013061695
17.04.2014
(22) 25.09.2013
(54) EXPANDABLE SPINAL IMPLANT SYSTEM
(73) Warsaw Orthopedic, Inc.
(72) STINCHFIELD, Thomas J.
PREVOST, Julien J.
(31) 201213650883
(32) 12.10.2012
(33) United States of America

(51) A61F 2/44
A61F 2/30
A61B 17/86
(11) EP2958525
(21) EP14754914.1
(47) 11.09.2019
(87) US2014018191
28.08.2014
(22) 25.02.2014
(54) EXPANDABLE INTERVERTEBRAL IMPLANT
(73) Globus Medical, Inc.
(72) DAVENPORT, Daniel
GLERUM, Chad
WEIMAN, Mark
SIBSON, Duncan
IOTT, Andrew
(31) 201313775731
(32) 25.02.2013
(33) United States of America

(51) A61F 2/50
A61F 2/76
A61F 2/66
(11) EP3094286
(21) EP15701465.5
(47) 11.09.2019
(87) EP2015000015
23.07.2015
(22) 08.01.2015
(54) ANKLE BRACE
(73) Otto Bock Healthcare Products GmbH
(72) KAMPAS, Philipp
SEYR, Martin
SCHNEEGANS, Markus
ROST, Roger
LINTNER, Stephan
KULESSA, Sebastian
MITTERER, Martin
VAN MAZIJK, Bernhard
(31) 102014000647
(32) 17.01.2014
(33) Germany

(51) A61F 2/82
A61F 2/04
A61F 2/07
(11) EP2941225
(21) EP14735097.9
(47) 11.09.2019
(87) US2014020086
10.07.2014
(22) 04.03.2014
(54) IMPLANTABLE INTRALUMENAL DEVICE
(73) W. L. Gore & Associates, Inc.
(72) JOHNSON, Matthew, A.
(31) 201361748881 P
(32) 04.01.2013
(33) United States of America

(51) A61F 2/848
(11) EP3232993
(21) EP15825707.1
(47) 11.09.2019
(87) US2015066611
23.06.2016
(22) 18.12.2015
(54) STENT WITH ANTI-MIGRATION FEATURES
(73) Boston Scientific Scimed Inc.
(72) O'SHAUGHNESSY, Seamus F.
LEANNA, Gary J.
WEINER, Jason
SEDDON, Dane T.
FLEURY, Sean P.
(31) 201462094216 P
(32) 19.12.2014
(33) United States of America

(51) A61F 2/86
A61F 2/91
A61L 31/16
A61K 9/00
(11) EP2836172
(21) EP13705091.0
(47) 11.09.2019
(87) US2013025788
17.10.2013
(22) 12.02.2013
(54) HOLLOW DRUG-FILLED STENT AND METHOD OF FORMING HOLLOW DRUG-FILLED STENT
(73) Medtronic Vascular, Inc.
(72) BIENVENU, Ryan
MITCHELL, James E.
THOMPSON, Dustin
(31) 201213447004
(32) 13.04.2012
(33) United States of America

(51) A61F 2/915
(11) EP3415122
(21) EP18185569.3
(47) 11.09.2019
(22) 23.07.2015
(54) METHOD FOR PRODUCING A STENT
(73) optimed medizinische Instrumente GmbH
(72) Fischer, Harald
Nennig, Ernst

(51) A61F 2/95
(11) EP3040056
(21) EP15275264.8
(47) 11.09.2019
(22) 16.12.2015
(54) PROSTHESIS DEPLOYMENT SYSTEM
(73) Cook Medical Technologies LLC
(72) Eller, Derek
(31) 201462097487 P
(32) 29.12.2014
(33) United States of America

(51) A61F 5/00
A43C 11/16
A61B 17/132
A61F 5/01
A44B 11/26
(11) EP3027148
(21) EP14831297.8
(47) 11.09.2019
(87) US2014048735
05.02.2015
(22) 29.07.2014
(54) ORTHOPEDIC BRACE SECURING AND TENSIONING SYSTEM
(73) United Surgical Associates, Inc.
(72) MASON, Jeffrey T.
MOIR, Russell S.
BOWMAN, Bryan K.

(31) 201361860215 P
(32) 30.07.2013
(33) United States of America

(51) A61F 5/32
A61H 39/04
(11) EP2691054
(21) EP12782645.1
(47) 11.09.2019
(87) US2012030714
15.11.2012
(22) 27.03.2012
(54) ORTHOPEDIC PRESSURE DEVICE
(73) 3M Innovative Properties Company
(72) WEAVER, Edward L. II,
(31) 201161468697 P
(32) 29.03.2011
(33) United States of America

(51) A61F 5/445
(11) EP3166549
(21) EP15738579.0
(47) 11.09.2019
(87) DK2015050210
14.01.2016
(22) 10.07.2015
(54) EXPANDABLE COLLECTING BAG FOR AN OSTOMY APPLIANCE
(73) Coloplast A/S
(72) SCHERTIGER, Lars Olav
SVANEGAARD, Mads Hindhede
JOERGENSEN, Annalie Marie Rikovitz
FALLEBOE, Hans
(31) 201470431
201400492
(32) 10.07.2014
01.09.2014
(33) Denmark
Denmark

(51) A61F 5/445
A61F 5/449
A61F 5/44
A61F 5/448
(11) EP3435933
(21) EP17716469.6
(47) 11.09.2019
(87) EP2017056259
05.10.2017
(22) 16.03.2017
(54) AN OSTOMY ATTACHMENT
(73) University of Limerick
(72) HUNT, Rhona
KELLEHER, Kevin
O'SULLIVAN, Leonard
(31) 201605516
(32) 31.03.2016
(33) United Kingdom

(51) A61F 5/56
(11) EP2964167
(21) EP14713628.7
(47) 11.09.2019
(87) US2014018880
12.09.2014
(22) 27.02.2014
(54) DEVICE FOR TREATING OBSTRUCTIVE SLEEP APNEA
(73) Ethicon, Inc
(72) WEADOCK, Kevin
ROUSSEAU, Robert A.
(31) 201313786763
(32) 06.03.2013
(33) United States of America

(51) A61F 7/02
A61F 7/10
A61F 7/00
(11) EP3377006
(21) EP16798175.2
(47) 11.09.2019
(87) EP2016078164
26.05.2017
(22) 18.11.2016
(54) COOLING PAD FOR USE IN A NON-INVASIVE MEDICAL COOLING PROCESS FOR COOLING A BODY PART OF A PERSON
(73) Braincool AB
(72) BERG, Jon
(31) 1551499
(32) 19.11.2015
(33) Sweden

(51) A61F 9/007
(11) EP3179968
(21) EP15748382.7
(47) 11.09.2019
(87) US2015042099
28.01.2016
(22) 24.07.2015
(54) PARANASAL SINUS ACCESS IMPLANT DEVICES AND RELATED PRODUCTS AND METHODS
(73) Sinopsys Surgical, Inc.
(72) REO, Michael Lawrence
WILLOUGHBY, Brian James
OLIVER, Christopher Lee
ROSS, Harry
SCHOMER, Donald F.
(31) 201462028682 P
(32) 24.07.2014
(33) United States of America

(51) A61F 9/007
A61F 9/008
A61B 3/00
A61B 3/103
A61F 2/16
A61B 34/10
A61B 90/00
(11) EP3027151
(21) EP14752503.4
(47) 11.09.2019
(87) US2014048552
05.02.2015
(22) 29.07.2014
(54) PROCEDURAL OPTICAL COHERENCE TOMOGRAPHY (OCT) FOR SURGERY AND RELATED SYSTEMS AND METHODS
(73) Bioptigen, Inc.
(72) BUCKLAND, Eric L.
DHALLA, Al-Hafeez
HART, Robert H.
(31) 201361859465 P
201361914099 P
201461984062 P
(32) 29.07.2013
10.12.2013
25.04.2014
(33) United States of America
United States of America
United States of America

(51) A61F 9/009
(11) EP2986259
(21) EP14725338.9
(47) 11.09.2019
(87) US2014034628
23.10.2014
(22) 18.04.2014
(54) CORNEAL TOPOGRAPHY MEASUREMENT AND ALIGNMENT OF CORNEAL SURGICAL PROCEDURES
(73) Optimedica Corporation
(72) SCOTT, David, D.
GONZALEZ, Javier
DEWEY, David
BAREKET, Noah
SCHUELE, Georg
(31) 201361813613 P
201361873071 P
(32) 18.04.2013
03.09.2013
(33) United States of America
United States of America

(51) A61F 9/06
B23K 9/32
(11) EP3386451
(21) EP16734032.2
(47) 11.09.2019
(87) IB2016053188
15.06.2017
(22) 31.05.2016
(54) METHOD AND SYSTEM FOR ACCELERATED REACTION OF THE DARKENING OF THE OPTICAL ELEMENT IN A WELDING PROTECTIVE DEVICE
(73) Trafimet Group S.p.A.
(72) PAPP, Róbert
LIPTÁK, Kristián
LAUKO, Robert
(31) 501162015 U
500312016
500712016 U
(32) 07.12.2015
30.05.2016
30.05.2016
(33) Slovakia
Slovakia
Slovakia

(51) A61F 13/06
(11) EP3302383
(21) EP16726783.0
(47) 11.09.2019
(87) DK2016050155
08.12.2016
(22) 27.05.2016
(54) A CORN DRESSING
(73) Coloplast A/S
(72) IGWEBUIKE, Henning
HANSEN, Grazyna
(31) 201570329
(32) 29.05.2015
(33) Denmark

(51) A61F 13/15
A61F 13/472
A61F 13/511
A61K 8/00
A61L 15/00

(11) EP3295910
(21) EP17189897.6
(47) 11.09.2019
(22) 23.03.2012
(54) ABSORBENT ARTICLE
(73) Unicharm Corporation
(72) Komatsu, Shimpei
Noda, Yuki
Wada, Mitsuhiro
Hashino, Akira
Kinoshita, Hideyuki
Nakashita, Masashi
Wada, Ichiro
(31) 2011079446
2011192144
(32) 31.03.2011
02.09.2011
(33) Japan
Japan

(51) A61F 13/15
A61F 13/49
A61F 13/496
(11) EP3199132
(21) EP15843472.0
(47) 11.09.2019
(87) JP2015073222
31.03.2016
(22) 19.08.2015
(54) METHOD FOR FORMING STRETCHABLE STRUCTURE FOR ABSORBENT ARTICLE AND STRETCHABLE STRUCTURE FOR ABSORBENT ARTICLE
(73) Daio Paper Corporation
(72) ISHIKAWA, Yasuko
(31) 2014197469
(32) 26.09.2014
(33) Japan

(51) A61F 13/15
B65H 39/14
A61F 13/49
A61F 13/56
(11) EP2162106
(21) EP08762885.5
(47) 11.09.2019
(87) IB2008001555
24.12.2008
(22) 16.06.2008
(54) A MACHINE AND A METHOD FOR MANUFACTURING ABSORBENT ARTICLES
(73) GDM S.p.A.
(72) PIANTONI, Matteo
PEDRETTI, Luca
PEREGO, Alberto
(31) BO20070431
(32) 19.06.2007
(33) Italy

(51) A61F 13/49
A61F 13/496
A61F 13/532
A61F 13/533
(11) EP3244854
(21) EP16701372.1
(47) 11.09.2019
(87) US2016012150
21.07.2016
(22) 05.01.2016
(54) ABSORBENT PANT WITH ADVANTAGEOUSLY-CHANNELED ABSORBENT CORE STRUCTURE AND BULGE-REDUCING FEATURES
(73) The Procter & Gamble Company
(72) NISHIKAWA, Masaharu
LAVON, Gary, Dean
(31) 201514598861
(32) 16.01.2015
(33) United States of America

(51) A61F 13/49
A61F 13/64
A61L 15/22
A61F 13/511
(11) EP2701655
(21) EP12776475.1
(47) 11.09.2019
(87) IB2012051655
01.11.2012
(22) 04.04.2012
(54) ABSORBENT ARTICLE WITH CUSHIONED WAISTBAND
(73) Kimberly-Clark Worldwide, Inc.
(72) RHEIN, Christina, Marie
ELLINGSON, Daniel, Lee
MCMORROW, Connie, May
HAHN, John, Timothy
(31) 201113096031
(32) 28.04.2011
(33) United States of America

(51) A61F 13/53
A61F 13/20
(11) EP2704678
(21) EP12779814.8
(47) 11.09.2019
(87) IB2012052174
08.11.2012
(22) 01.05.2012
(54) TAMPON ABSORBENT
(73) Kimberly-Clark Worldwide, Inc.
(72) SCHMIDT-FOERST, Alexander
MCDANIEL, Mary, L.
TOMSOVIC, Charles, R.
WOLTMAN, Garry, R.
(31) 201161482883 P
201213460157
(32) 05.05.2011
30.04.2012
(33) United States of America
United States of America

(51) A61F 13/532
A61F 13/539
A61F 13/15
(11) EP3453368
(21) EP17195872.1
(47) 11.09.2019
(22) 11.10.2017
(54) ABSORBENT ARTICLE WITH CHANNELS AND METHOD FOR MANUFACTURING THEREOF
(73) Drylock Technologies NV
(72) SMET, Steven
VAN INGELGEM, Werner
DERYCKE, Tom
(31) 17190395
17195498
(32) 11.09.2017
09.10.2017
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A61F 13/551
A61F 13/493
A61F 13/496
(11) EP3351226
(21) EP16863844.3
(47) 11.09.2019
(87) JP2016068798
18.05.2017
(22) 24.06.2016
(54) PULL-UP DISPOSABLE DIAPER
(73) Unicharm Corporation
(72) YOSHIOKA, Toshiyasu
FUKASAWA, Jun
NAGASE, Noriko
(31) 2015220184
(32) 10.11.2015
(33) Japan

(51) A61F 13/56
A61F 13/58
A61F 13/62
A61F 13/84
C08J 7/00
C09J 7/00
(11) EP3007666
(21) EP14811507.4
(47) 11.09.2019
(87) US2014042073
18.12.2014
(22) 12.06.2014
(54) TAPE INCLUDING MICROPOROUS FILM
(73) 3M Innovative Properties Company
(72) CHANDRASEKARAN, Neelakandan
SMITHSON, Robert L. W.
STAGG, Timothy V.
(31) 201361834700 P
201461977914 P
(32) 13.06.2013
10.04.2014
(33) United States of America
United States of America

(51) A61G 5/04
(11) EP3351228
(21) EP17205230.0
(47) 11.09.2019
(22) 04.12.2017
(54) MODULAR WHEEL ASSEMBLY FOR A WHEELCHAIR
(73) Sunrise Medical GmbH
(72) Davies, David
(31) 102016124424
(32) 14.12.2016
(33) Germany

(51) A61G 5/14
A61G 5/06
A61H 3/00
A61H 3/04
A61G 5/12
A61G 5/04
A61H 1/02
(11) EP3207909
(21) EP16305189.9
(47) 11.09.2019
(22) 18.02.2016
(54) SUPPORTING STRUCTURE
(73) Hexowheel

(72) LINON, Rodolphe

(51) A61H 15/00
A61H 15/02
H04M 1/725
(11) EP3324914
(21) EP17725883.7
(47) 11.09.2019
(87) EP2017060963
09.11.2017
(22) 08.05.2017
(54) DEVICE AND METHOD FOR APPLYING A COSMETIC PRODUCT
(73) Pierre Fabre Dermo-Cosmétique
(72) MARTY, Olivier
CHENAL, Marie
ROUCAYROL, Bénédicte
(31) 1670214
(32) 06.05.2016
(33) France

(51) A61J 1/05
A61J 1/14
(11) EP3290017
(21) EP17185141.3
(47) 11.09.2019
(22) 07.08.2017
(54) BLOOD PLASMA CONTAINER
(73) Heinz Meise GmbH
(72) Meise, Heinz
Reinert, Dirk
(31) 202016104900 U
(32) 06.09.2016
(33) Germany

(51) A61J 1/06
(11) EP3151807
(21) EP15724522.6
(47) 11.09.2019
(87) EP2015001055
10.12.2015
(22) 22.05.2015
(54) CONTAINER
(73) Kocher-Plastik Maschinenbau GmbH
(72) GESER, Johannes
SPALLEK, Michael
HAMMER, Alexander
BEIER, Alexander
(31) 102014008611
(32) 06.06.2014
(33) Germany

(51) A61J 15/00
A61B 17/34
A61M 25/01
(11) EP2745828
(21) EP13198841.2
(47) 11.09.2019
(22) 20.12.2013
(54) Feeding tube with inflatable balloon component
(73) Gabriel, Sabry
(72) Gabriel, Sabry
(31) 201261739836 P
(32) 20.12.2012
(33) United States of America

(51) A61K 6/00
(11) EP2949310
(21) EP15150317.4
(47) 11.09.2019
(22) 07.01.2015
(54) Dental temporary sealing material comprising an ion sustained-release glass
(73) Shofu Inc.
(72) Sadakane, Yuji
Ishikawa, Katsura
Nakatsuka, Toshiyuki
(31) 2014113577
(32) 30.05.2014
(33) Japan

(51) A61K 6/00
(11) EP2929871
(21) EP15163122.3
(47) 11.09.2019
(22) 10.04.2015
(54) CREAM FOR DENTURE ADHESIVE
(73) Bogaert, Jean-Pierre
(72) Marc, Bogaert
(31) 5542014
(32) 10.04.2014
(33) Switzerland

(51) A61K 6/033
A61P 1/02
A61K 8/21
A61K 8/24
A61Q 11/00
(11) EP2705826
(21) EP13192021.7
(47) 11.09.2019
(22) 09.02.2007
(54) Fluoride composition and methods for dental mineralization
(73) The University of Melbourne
(72) Reynolds, Eric Charles
(31) 2006900634
2006903531
(32) 09.02.2006
30.06.2006
(33) Australia
Australia

(51) A61K 8/24
A61K 8/26
A61Q 11/00
A61K 8/19
(11) EP3316851
(21) EP16726901.8
(47) 11.09.2019
(87) EP2016062777
12.01.2017
(22) 06.06.2016
(54) ORAL CARE COMPOSITION COMPRISING CALCIUM SILICATE
(73) Unilever NV
(72) JOINER, Andrew
LI, Xiaoke
LIU, Weining
(31) PCT/CN2015/083268
15179783
(32) 03.07.2015
05.08.2015
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) A61K 8/31
A61K 8/36
A61K 8/44
A61Q 1/14
A61Q 5/02
A61K 8/81
A61Q 19/10
(11) EP3068368
(21) EP14799998.1
(47) 11.09.2019
(87) EP2014074360
21.05.2015
(22) 12.11.2014
(54) FOAMING COMPOSITION COMPRISING AT LEAST ONE GLYCINATE TYPE SURFACTANT
(73) L'OREAL
(72) AUBRUN, Odile
SAFOUANE, Mahassine
MENA, Caroline
(31) 1361086
(32) 13.11.2013
(33) France

(51) A61K 8/34
A61K 8/40
A61K 8/55
A61Q 17/04
(11) EP3328350
(21) EP16736165.8
(47) 11.09.2019
(87) EP2016066116
02.02.2017
(22) 07.07.2016
(54) PREPARATION CONTAINING ODOUR-STABLE OCTOCRYLENE
(73) Beiersdorf AG
(72) WEINERT, Katrin
BORCHERS, Kathrin
BLECKMANN, Andreas
PASTERNAK, Anja
(31) 102015214499
(32) 30.07.2015
(33) Germany

(51) A61K 8/34
A61K 8/892
A61K 8/97
A61Q 5/02
A61Q 5/12
A01N 25/30
A61Q 19/10
A01N 65/08
(11) EP3373896
(21) EP16798342.8
(47) 11.09.2019
(87) US2016061048
18.05.2017
(22) 09.11.2016
(54) PET CARE CLEANSING COMPOSITION
(73) Boehringer Ingelheim Animal Health USA Inc.
(72) HANSEN, Eric, Anthony
(31) 201562252958 P
(32) 09.11.2015
(33) United States of America

(51) A61K 8/46
A61K 8/49
A61Q 5/04
A61K 8/19
A61K 8/37
(11) EP3295925
(21) EP16188723.7
(47) 11.09.2019
(22) 14.09.2016

(54) COMPOSITION FOR THE PERMANENT DEFORMATION OF HAIR HAVING REDUCED ODOUR
(73) Noxell Corporation
(72) BARHOUM, Moussa
CAHEN, Christine
MCKELVEY, Graham
SCHMITT, Manfred
(51) A61K 8/49
A61Q 5/06
(11) EP3223787
(21) EP15771640.8
(47) 11.09.2019
(87) EP2015072774
02.06.2016
(22) 02.10.2015

(54) AGENTS FOR DYEING KERATIN FIBRES, CONTAINING AT LEAST ONE DIMERIC, DICATIONIC AZO DYE AND AT LEAST ONE NON-IONIC SURFACTANT
(73) Henkel AG & Co. KGaA
(72) GEBERT-SCHWARZWÄLDER, Antje
MOCH, Melanie
(31) 102014223938
(32) 25.11.2014
(33) Germany
(51) A61K 8/894
A61K 8/06
A61K 8/67
A61K 8/73
A61K 8/81
A61K 8/92
A61K 9/107
A61Q 19/00
A61K 8/893
A61K 8/891
A61K 8/31
(11) EP2821057
(21) EP13754399.7
(47) 11.09.2019
(87) JP2013055166
06.09.2013
(22) 27.02.2013

(54) W/O/W EMULSION HAVING TEMPORAL STABILITY AND METHOD FOR PRODUCING THE SAME
(73) Suntory Holdings Limited
(72) TATSUGUCHI, Iwao
MATSUOKA, Tatsuo
(31) 2012041959
(32) 28.02.2012
(33) Japan
(51) A61K 8/92
A61K 8/11
A61Q 17/04
A61K 8/35
A61K 8/40
A61K 8/85
A61K 8/49
A61K 8/84
(11) EP2344119
(21) EP09818696.8
(47) 11.09.2019
(87) BR2009000315
15.04.2010
(22) 09.10.2009

(54) NANOPARTICLE SYSTEM COMPRISING OIL AND UV FILTER
(73) Biolab Sanus Farmacéutica Ltda
Universidade Federal Do Rio Grande Do Sul - UFRGS
(72) POHLMANN, Adriana Raffin
GUTERRES, Sílvia Stanisçuaski
JÄGER, Alessandro
(31) PI0805854
(32) 10.10.2008
(33) Brazil
(51) A61K 9/00
A61K 9/06
A61K 9/51
A61P 35/00
A61K 31/4745
A61K 47/34
(11) EP3202423
(21) EP16837198.7
(47) 11.09.2019
(87) KR2016000668
23.02.2017
(22) 21.01.2016

(54) IRINOTECAN-LOADED DUAL-REVERSE THERMOSENSITIVE HYDROGEL COMPOSITION
(73) Industry-University Cooperation Foundation Hanyang University ERICA Campus
(72) CHOI, Han-Gon
UD DIN, Fakhar
KIM, Dong Wuk
KIM, Dong Shik
YONG, Chul Soon
KIM, Jong Oh
OH, Yu-Kyoung
(31) 20150116321
(32) 18.08.2015
(33) Korea (Republic)
(51) A61K 9/00
A61K 9/14
A61K 31/33
A61K 31/195
A61K 38/04
A61K 47/00
A61K 47/42
(11) EP1912621
(21) EP06761235.8
(47) 11.09.2019
(87) CH2006000384
08.02.2007
(22) 21.07.2006

(54) PHARMACEUTICAL COMPOSITION CONTAINING INDOMETACIN AND/OR ACEMETACIN
(73) Drossapharm AG
(72) IMBODEN, Roger
ROTHENBÜHLER, Erich
LUTZ, Juerg
(31) 12812005
19102005
(32) 02.08.2005
01.12.2005
(33) Switzerland
Switzerland
(51) A61K 9/00
A61K 9/20
A61K 31/4184
(11) EP3174533
(21) EP15742300.5
(47) 11.09.2019
(87) EP2015067321
04.02.2016
(22) 29.07.2015

(54) ORAL DISINTEGRATING TABLET
(73) Boehringer Ingelheim International GmbH
(72) NAKATANI, Manabu
KAWABATA, Yohei
SAWADA, Takeshi
TAKASAKI, Hiroshi
(31) 14179147
(32) 30.07.2014
(33) European Patent Office (EPO)
(51) A61K 9/00
A61K 47/02
A61K 47/10
A61K 47/14
A61K 31/5377
A61K 31/5575
(11) EP2937076
(21) EP15164494.5
(47) 11.09.2019
(22) 21.04.2015

(54) EYE DROPS CONTAINING PROSTAGLANDIN AND TYLOXAPOL
(73) Alfred E. Tiefenbacher (GmbH & Co. KG)
S.C. Rompharm Company S.R.L.
(72) Flemming, Jens, Dr.
Leanca, Rada
Bocan, Andrei
(31) 14166033
(32) 25.04.2014
(33) European Patent Office (EPO)
(51) A61K 9/08
A61K 38/26
A61K 38/28
(11) EP2877158
(21) EP13823275.6
(47) 11.09.2019
(87) KR2013006670
30.01.2014
(22) 25.07.2013

(54) A LIQUID FORMULATION OF LONG ACTING INSULINOTROPIC PEPTIDE CONJUGATE
(73) Hanmi Pharm. Co., Ltd.
(72) KIM, Hyun Uk
LIM, Hyung Kyu
HONG, Sung Hee
KIM, Dae Jin
BAE, Sung Min
KWON, Se Chang
(31) 20120081476
(32) 25.07.2012
(33) Korea (Republic)
(51) A61K 9/08
A61K 47/02
A61K 31/473
A61P 25/16
(11) EP3174526
(21) EP15766745.2
(47) 11.09.2019
(87) EP2015001577
04.02.2016
(22) 31.07.2015

(54) COMPOSITION CONTAINING APOMORPHINE AND A DIVALENT METAL CATION
(73) Britannia Pharmaceuticals Limited
(72) LEADER, Ian Philip
(31) 14002689
(32) 01.08.2014
(33) European Patent Office (EPO)

(51) A61K 9/14
A61K 9/20
(11) EP2844229
(21) EP13721874.9
(47) 11.09.2019
(87) US2013038655
07.11.2013
(22) 29.04.2013
(54) BROMOCRIPTINE FORMULATIONS
(73) VeroScience LLC
(72) CINCOTTA, Anthony
BOWE, Craig Michael
STEARNS, Paul Clark
WESTON, Laura Jean
(31) 201213460452
(32) 30.04.2012
(33) United States of America

(51) A61K 9/16
A61K 9/50
A61K 38/17
C07K 16/24
A61K 38/27
C07K 1/113
(11) EP2600843
(21) EP11810258.1
(47) 11.09.2019
(87) US2011044485
26.01.2012
(22) 19.07.2011
(54) THERAPEUTIC PROTEIN COMPOSITIONS HAVING REDUCED IMMUNOGENICITY AND/OR IMPROVED EFFICACY
(73) Pressure BioSciences, Inc.
The Regents of the University of Colorado, A Body Corporate
(72) SEEFELDT, Matthew
RANDOLPH, Theodore W.
FRADKIN, Amber Haynes
CARPENTER, John
(31) 365728 P
(32) 19.07.2010
(33) United States of America

(51) A61K 9/16
A61K 31/00
(11) EP3331501
(21) EP16741934.0
(47) 11.09.2019
(87) EP2016067469
16.02.2017
(22) 21.07.2016
(54) GASTRO-RESISTANT FORMULATION CONTAINING POSACONAZOLE
(73) Alfred E. Tiefenbacher (GmbH & Co. KG)
(72) PRATHAP, Vamshi Ramana
KALAMATA, Venkatasimhadri Naidu
RALLABANDI, Bala Ramesha Chary
KATAKAM, Vinay Kumar
SCHLEHAHN, Hendrik
(31) 2440DE2015
201611006795
201611006796
(32) 08.08.2015
26.02.2016
26.02.2016
(33) India
India
India

(51) A61K 9/16
A61K 31/635
A61P 25/28
A61K 47/32
A61K 9/00
(11) EP2950797
(21) EP14712798.9
(47) 11.09.2019
(87) US2014014290
07.08.2014
(22) 31.01.2014
(54) COMPOSITIONS AND METHODS FOR THE TREATMENT OF NEURODEGENERATIVE AND OTHER DISEASES
(73) Glialogix, Inc.
(72) REEDER, Thaddeus, Cromwell
MOORE, Mark, Wade
LORENZ, Douglas, Alan
LYON, David, Keith
(31) 201361759933 P
201361780340 P
(32) 01.02.2013
13.03.2013
(33) United States of America
United States of America

(51) A61K 9/20
A61K 31/192
A61P 29/00
A61K 9/48
A61J 3/10
A61J 3/07
(11) EP2645992
(21) EP11845539.3
(47) 11.09.2019
(87) US2011063027
07.06.2012
(22) 02.12.2011
(54) SOLID ORAL DOSAGE FORM WITH ASYMMETRIC SHAPE
(73) Fuisz, Richard C.
Fuisz, Joseph M.
(72) Fuisz, Richard C.
Fuisz, Joseph M.
(31) 960192
201113079285
(32) 03.12.2010
04.04.2011
(33) United States of America
United States of America

(51) A61K 9/48
A61K 9/16
(11) EP3068381
(21) EP14798839.8
(47) 11.09.2019
(87) EP2014074501
21.05.2015
(22) 13.11.2014
(54) MULTI-PARTICULATE DRUG DELIVERY SYSTEM
(73) Tillotts Pharma AG
(72) BRAVO GONZALÉZ, Roberto Carlos
VARUM, Felipe José Oliveira
DE KRUIF, Jan, Kendall
KUENTZ, Martin
(31) 13192657
14157427
(32) 13.11.2013
03.03.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A61K 9/50
A23K 40/30
A23K 40/35
A23K 20/158
A23K 20/22
A23K 50/10
A23K 50/30
(11) EP2640361
(21) EP11841864.9
(47) 11.09.2019
(87) US2011061021
24.05.2012
(22) 16.11.2011
(54) ENTERIC-COATED SODIUM METABISULFITE LIVESTOCK FEED ADDITIVE FOR VOMITOXIN DETOXIFICATION
(73) Provimi North America Inc.
(72) COOK, Douglas, R.
ADAMS, Keith
(31) 414238 P
(32) 16.11.2010
(33) United States of America

(51) A61K 9/50
A61K 38/00
(11) EP2164473
(21) EP08759948.6
(47) 11.09.2019
(87) EP2008056347
27.11.2008
(22) 23.05.2008
(54) AN EXTENDED-RELEASE COMPOSITION COMPRISING A SOMATOSTATIN DERIVATIVE IN MICROPARTICLES
(73) Novartis AG
(72) LAMBERT, Olivier
RIEMENSCHNITTER, Marc
VUCENOVIC, Vitomir
(31) 07108796
(32) 24.05.2007
(33) European Patent Office (EPO)

(51) A61K 9/70
A61K 31/135
A61K 31/27
A61K 45/06
A61P 17/00
A61P 35/00
(11) EP2776020
(21) EP12847083.8
(47) 11.09.2019
(87) US2012063407
16.05.2013
(22) 02.11.2012
(54) METHODS FOR THE TREATMENT OF SKIN NEOPLASMS
(73) Teikoku Seiyaku Co., Ltd.

(72) MEIER-DAVIS, Susan
WEN, Jianye
HAMLIN, Richard D.
(31) 201161557632 P
(32) 09.11.2011
(33) United States of America

(51) A61K 31/00
A61K 31/135
A61K 31/138
A61K 31/423
A61K 31/4525
A61K 31/485
A61K 31/55
A61K 31/551
A61K 31/7048
A61K 45/06
A61P 3/10
A61K 38/28
A61K 31/445
A61K 31/519
A61K 31/5415
A61K 31/5513
A61K 31/554
A61K 31/35
A61K 31/137
A61K 31/357
(11) EP3132792
(21) EP16179626.3
(47) 11.09.2019
(22) 20.11.2006
(54) COMPOSITION AND METHODS FOR INCREASING INSULIN SENSITIVITY
(73) Nalpropion Pharmaceuticals, Inc.
(72) COWLEY, Michael A.
MCKINNEY, Anthony A.
TOLLEFSON, Gary
(31) 738893 P
759117 P
(32) 22.11.2005
12.01.2006
(33) United States of America
United States of America

(51) A61K 31/198
A61P 25/28
A61P 25/24
A61P 25/14
A61P 25/04
(11) EP3228313
(21) EP17170079.2
(47) 11.09.2019
(22) 22.01.2014
(54) DOSAGE FORMS AND THERAPEUTIC USES OF L-4-CHLOROKYNURENINE
(73) Vistagen Therapeutics, Inc.
(72) Snodgrass, Ralph H.
Cato, Allen E.
Hicklin, Jack S.
(31) 201361849191 P
(32) 22.01.2013
(33) United States of America

(51) A61K 31/21
A61K 31/22
A61K 31/23
A61K 31/231
A61K 31/675
A61K 31/704
A61K 31/7048
A61K 31/185
A61K 31/138
A61K 31/454
A61K 31/24
A61K 45/06
A61P 7/06
A61P 35/00
(11) EP3142657
(21) EP15793591.7
(47) 11.09.2019
(87) US2015031204
19.11.2015
(22) 15.05.2015
(54) METHODS FOR TREATING NEUTROPENIA
(73) Enzychem Lifesciences Corporation
(72) HAN, Yong-Hae
CHONG, Saeho
SOHN, Ki-Young
KIM, Myung-Hwan
KIM, Jae Wha
(31) 201461993774 P
201461993784 P
201462018528 P
201462018530 P
201462083739 P
201462083749 P
(32) 15.05.2014
15.05.2014
27.06.2014
27.06.2014
24.11.2014
24.11.2014
(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) A61K 31/22
A61K 31/225
C07C 403/12
C07C 403/14
C07C 403/20
C07C 403/10
(11) EP2397131
(21) EP11163940.7
(47) 11.09.2019
(22) 20.06.2005
(54) RETINAL DERIVATIVES AND METHODS FOR THE USE THEREOF FOR THE TREATMENT OF VISUAL DISORDERS
(73) University of Washington
(72) Palczewski, Krzysztof
Batten, Matthew
(31) 580889 P
(32) 18.06.2004
(33) United States of America

(51) A61K 31/351
A61P 1/12
A61K 31/35
A23K 20/195
A23K 50/30
A23K 50/60
(11) EP3217971
(21) EP15805005.4
(47) 11.09.2019
(87) US2015059848
19.05.2016
(22) 10.11.2015
(54) ANTIVIRAL EFFECTS OF NARASIN IN SWINE FEED
(73) Elanco US Inc.
(72) MARSTELLER, Thomas Alan
OWENS, Jane Granville
PULS, Christopher Leigh
RITTER, Matthew John
ROSENKRANS, Kelly Shern
WEBER, Thomas Edmund
(31) 201462079159 P
(32) 13.11.2014
(33) United States of America

(51) A61K 31/352
A61P 29/00
A61K 36/535
C07D 311/32
A23L 33/10
A61K 8/49
A61Q 19/00
A61K 8/97
(11) EP3042897
(21) EP14840387.6
(47) 11.09.2019
(87) JP2014055647
05.03.2015
(22) 05.03.2014
(54) COMPOUND, MEDICINE, ANTI-INFLAMMATORY AGENT, COSMETIC, FOOD AND DRINK, AND METHOD FOR PRODUCING THE COMPOUND
(73) Amino Up Co., Ltd.
The Ritsumeikan Trust
(72) IKEYA, Yukinobu
NISHIZAWA, Mikio
MIURA, Takehito
(31) 2013181052
(32) 02.09.2013
(33) Japan

(51) A61K 31/404
A61K 36/185
A61K 36/36
A61P 11/00
A61P 19/00
A61P 17/00
A61P 27/02
A61P 1/00
A61P 25/00
A61P 9/00
A61P 35/00
(11) EP2408446
(21) EP10710448.1
(47) 11.09.2019
(87) IB2010051132
23.09.2010
(22) 16.03.2010
(54) USE OF PHARMACEUTICAL COMPOSITIONS CONTAINING MESEMBRENONE
(73) HG&H Pharmaceuticals (Pty) Limited
(72) HARVEY, Alan
GERICKE, Nigel
VILJOEN, Alvaro
(31) 200902003
(32) 20.03.2009
(33) South Africa

(51) A61K 31/4184

A61K 31/404
C07D 209/34
C07D 403/12
A61P 35/00
(11) EP3012248
(21) EP13887442.5
(47) 11.09.2019
(87) CN2013000720
24.12.2014
(22) 20.06.2013
(54) SUBSTANCE HAVING TYROSINE KINASE INHIBITORY ACTIVITY AND PREPARATION METHOD AND USE THEREOF
(73) Institute of Radiation Medicine, Academy of Military Medical Sciences, People's Liberation Army of China
(72) YANG, Xiaoming
LI, Changyan
WANG, Lin
ZHAN, Yiqun
LIU, Jing
LUO, Teng
YAN, Haiyan
ZHANG, Shouguo
LI, Wei
WEN, Xiaoxue
PENG, Tao
LI, Lu

(51) A61K 31/427
A61K 45/06
A61P 3/10
A61P 13/12
A61P 35/00
A61P 35/04
A61P 43/00
(11) EP2838614
(21) EP13778057.3
(47) 11.09.2019
(87) US2013037548
24.10.2013
(22) 22.04.2013
(54) COMPOSITIONS FOR REGULATING INTEGRINS
(73) GB006, Inc.
(72) GUPTA, Vineet
(31) 201261635968 P
201361791523 P
(32) 20.04.2012
15.03.2013
(33) United States of America
United States of America

(51) A61K 31/4745
A61K 39/395
A61K 31/573
A61K 31/65
A61K 31/675
A61P 35/00
A61P 35/02
(11) EP3110843
(21) EP15755187.0
(47) 11.09.2019
(87) US2015017420
03.09.2015
(22) 25.02.2015
(54) COMBINATION THERAPIES WITH ANTI-CD38 ANTIBODIES
(73) Janssen Biotech, Inc.
(72) DOSHI, Parul
(31) 201461946002 P
201462006386 P
(32) 28.02.2014
02.06.2014
(33) United States of America
United States of America

(51) A61K 31/485
A61K 31/137
A61P 3/04
A61K 45/06
(11) EP3281628
(21) EP17175080.5
(47) 11.09.2019
(22) 21.04.2004
(54) COMPOSITIONS FOR AFFECTING WEIGHT LOSS
(73) Nalpropion Pharmaceuticals, Inc.
(72) WEBER, Eckard
COWLEY, Michael Alexander
(31) 466838 P
(32) 29.04.2003
(33) United States of America

(51) A61K 31/506
A61K 31/713
A61K 31/00
A61K 45/06
A61K 39/395
A61P 31/00
A61P 35/00
A61P 37/04
(11) EP3285809
(21) EP16719655.9
(47) 11.09.2019
(87) US2016027870
27.10.2016
(22) 15.04.2016
(54) INHIBITORS OF IMMUNE CHECKPOINT MODULATORS FOR USE IN TREATING CANCER AND INFECTIONS
(73) eFFECTOR Therapeutics, Inc.
(72) WEBSTER, Kevin, R.
GOEL, Vikas
(31) 201562150140 P
201562260917 P
(32) 20.04.2015
30.11.2015
(33) United States of America
United States of America

(51) A61K 31/517
A61K 31/505
A61P 31/04
A61P 31/00
A61L 31/16
A61L 31/08
A01N 43/84
C07D 491/107
C07D 487/10
C07D 471/10
C07D 239/70
C07D 239/56
A61K 45/06
A61K 31/5377
A01N 43/54
A01N 43/90
(11) EP2844258
(21) EP13784489.0
(47) 11.09.2019
(87) US2013039257
07.11.2013
(22) 02.05.2013
(54) METHODS AND COMPOSITIONS FOR TREATING BACTERIAL INFECTION
(73) The Regents of The University of Michigan
The Curators Of The University Of Missouri
(72) GINSBURG, David
LARSEN, Scott D.
YESTREPSKY, Bryan
SUN, Hongmin
(31) 201261641590 P
(32) 02.05.2012
(33) United States of America

(51) A61K 31/53
A61K 9/20
A61P 3/10
(11) EP2579880
(21) EP11726105.7
(47) 11.09.2019
(87) EP2011059590
15.12.2011
(22) 09.06.2011
(54) PREVENTION OF TYPE 2 DIABETES
(73) Poxel
(72) FOUQUERAY, Pascale
CRAVO, Daniel
HALLAKOU-BOZEC, Sophie
BOLZE, Sébastien
(31) 10305612
(32) 09.06.2010
(33) European Patent Office (EPO)

(51) A61K 31/5377
C07D 471/04
A61P 25/24
(11) EP3338781
(21) EP18154256.4
(47) 11.09.2019
(22) 24.05.2013
(54) HETEROARYL-KETONE FUSED AZADECALIN GLUCOCORTICOID RECEPTOR MODULATORS
(73) Corcept Therapeutics Incorporated
(72) HUNT, Hazel
JOHNSON, Tony
RAY, Nicholas
WALTERS, Iain
(31) 201261651669 P
201261691083 P
201261715907 P
201361759520 P
201361781629 P
(32) 25.05.2012
20.08.2012
19.10.2012
01.02.2013
14.03.2013
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) A61K 31/7008
A61P 17/00
A61K 31/7036
A61K 38/39
(11) EP2566483
(21) EP11778468.6

(47) 11.09.2019
(87) US2011035653
10.11.2011
(22) 06.05.2011
(54) METHODS AND AGENTS FOR ENHANCING WOUND HEALING
(73) University Of Southern California, USC Stevens
(72) CHEN, Mei
WOODLEY, David
(31) 332108 P
(32) 06.05.2010
(33) United States of America

(51) A61K 31/7028
A61K 38/47
A61K 45/06
A61P 35/00
(11) EP2849737
(21) EP13813686.6
(47) 11.09.2019
(87) US2013049248
09.01.2014
(22) 03.07.2013
(54) COMPOSITIONS COMPRISING SULFORAPHANE OR A SULFORAPHANE PRECURSOR AND A MUSHROOM EXTRACT OR POWDER
(73) NUTRAMAX LABORATORIES, INC.
(72) CORNBLATT, Brian
CORNBLATT, Grace
BZHELYANSKY, Anton
HENDERSON, Robert W.
(31) 201261668328 P
201261668342 P
201261668364 P
201261668374 P
201261668386 P
201261668396 P
201361794417 P
(32) 05.07.2012
05.07.2012
05.07.2012
05.07.2012
05.07.2012
05.07.2012
15.03.2013
(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

(51) A61K 31/7032
A61P 11/00
A61K 31/704
(11) EP3270929
(21) EP16764259.4
(47) 11.09.2019
(87) CN2016076635
22.09.2016
(22) 17.03.2016
(54) USE OF GINSENOSIDE M1 FOR PREVENTING OR TREATING SILICOSIS
(73) Lee, Sheau-Long
(72) LEE, Yu-Chieh
HUA, Kuo-Feng
HSU, Wan-Han
(31) 201562134236 P
(32) 17.03.2015
(33) United States of America

(51) A61K 31/718
A61M 1/28
(11) EP1585531
(21) EP03799967.9
(47) 11.09.2019
(87) US2003040336
15.07.2004
(22) 18.12.2003
(54) BIOCOMPATIBLE DIALYSIS FLUIDS CONTAINING ICODEXTRINS
(73) Baxter International Inc.
Baxter Healthcare S.A.
(72) MARTIS, Leo
CHOO, Carolyn
ZIESKE, Paul
(31) 327264
(32) 20.12.2002
(33) United States of America

(51) A61K 31/724
A61K 31/7004
A61K 45/00
A61P 35/00
(11) EP3199166
(21) EP15844367.1
(47) 11.09.2019
(87) JP2015076956
31.03.2016
(22) 24.09.2015
(54) ANTITUMOR AGENT INCLUDING BETA-CYCLODEXTRIN
(73) JRC G.K.
(72) PERKINS, Guy
YAMAGUCHI, Ryuji
(31) 201462054993 P
201562106236 P
(32) 25.09.2014
22.01.2015
(33) United States of America
United States of America

(51) A61K 31/737
A61K 35/12
A61K 48/00
A61P 25/00
A61P 9/10
(11) EP3302573
(21) EP16727364.8
(47) 11.09.2019
(87) EP2016061905
01.12.2016
(22) 26.05.2016
(54) COMPOSITION FOR THE TREATMENT OF BRAIN LESIONS
(73) Organes Tissus Régénération Réparation Remplacement
Barritault, Denis
Centre National de la Recherche Scientifique
L'Université de Caen Basse-Normandie
(72) BARRITAULT, Denis
BERNAUDIN, Myriam
TOUZANI, Omar
TOUTAIN, Jérôme
QUITTET, Marie-Sophie
(31) 15305806
(32) 28.05.2015
(33) European Patent Office (EPO)

(51) A61K 31/737
A61K 35/19
A61K 38/18
A61K 48/00
A61P 17/02
A61P 19/00
A61P 19/02
A61P 1/06
A61P 11/00
A61P 1/00
A61K 9/00
A61K 9/08
A61K 47/36
A61K 35/32
A61K 35/35
(11) EP3302523
(21) EP16727365.5
(47) 11.09.2019
(87) EP2016061906
01.12.2016
(22) 26.05.2016
(54) COMPOSITION FOR THE TREATMENT OF TISSUE LESIONS
(73) Organes Tissus Régénération Réparation Remplacement
Barritault, Denis
(72) BARRITAULT, Denis
(31) 15305807
(32) 28.05.2015
(33) European Patent Office (EPO)

(51) A61K 33/26
A61K 33/08
A61K 9/14
A61P 31/04
(11) EP3177300
(21) EP15821802.4
(47) 11.09.2019
(87) CN2015084303
21.01.2016
(22) 17.07.2015
(54) USE OF IRON OXIDE NANOPARTICLE IN INHIBITING SPORE GERMINATION OF CLOSTRIDIUM DIFFICILE
(73) Shieh, Dar-bin
(72) TSAI, Pei-Jane
LEE, Wei-Ting
LI, Tsung-Ju
YEH, Chen-Sheng
WU, Shang-Rung
(31) 201462025497 P
(32) 17.07.2014
(33) United States of America

(51) A61K 35/17
C12N 5/0783
C12N 15/113
(11) EP3297642
(21) EP16730086.2
(47) 11.09.2019
(87) US2016033651
01.12.2016
(22) 20.05.2016
(54) SCREENING METHODS FOR TARGETS FOR CANCER THERAPY
(73) STCube & Co., Inc.
Board of Regents, The University of Texas System
(72) LIN, Steven, Hsesheng
YOO, Stephen, Sunghan

(31) 201562165784 P
(32) 22.05.2015
(33) United States of America

(51) A61K 35/28
A61K 35/12
A61K 35/50
C12N 5/073
A61K 35/35
C12N 5/0775
(11) EP3260533
(21) EP17182989.8
(47) 11.09.2019
(22) 22.03.2012
(54) METHODS FOR TREATING RADIATION OR CHEMICAL INJURY
(73) Pluristem Ltd.
(72) ABERMAN, Zami
GORODESTKY, Raphael
(31) 201113069130
201113161334
201161497400 P
201261595485 P
(32) 22.03.2011
15.06.2011
15.06.2011
06.02.2012
(33) United States of America
United States of America
United States of America
United States of America

(51) A61K 35/28
A61P 19/00
A61K 35/32
C12N 5/00
(11) EP3025720
(21) EP14829150.3
(47) 11.09.2019
(87) KR2014006680
29.01.2015
(22) 23.07.2014
(54) PREPARATION METHOD FOR THERAPEUTIC AGENT OF BEAD-TYPE CHONDROCYTE
(73) Bio Solution Co., Ltd.
(72) LEE, Jung Sun
LEE, Jin Yeon
CHAE, Byung Chul
SON, Young Sook
CHANG, Song Sun
(31) 20130087533
(32) 24.07.2013
(33) Korea (Republic)

(51) A61K 35/74
A23K 10/18
A23K 50/40
A23K 20/24
(11) EP2464362
(21) EP10808015.1
(47) 11.09.2019
(87) FI2010050538
17.02.2011
(22) 23.06.2010
(54) PROBIOTIC PREPARATION FOR THE PREVENTION OR TREATMENT OF CANINE GASTROINTESTINAL DISORDERS
(73) Vetcare Oy
(72) BEASLEY, Shea
HEINONEN, Kalevi
LEHMUSSOLA, Hanna
(31) 20095836
(32) 12.08.2009
(33) Finland

(51) A61K 35/74
A61P 35/00
A61P 35/04
A61K 39/00
A61K 45/06
A61K 31/664
C12N 1/20
C12N 1/36
(11) EP2941258
(21) EP13818965.9
(47) 11.09.2019
(87) US2013077441
10.07.2014
(22) 23.12.2013
(54) COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER USING BACTERIA
(73) Decoy Biosystems, Inc.
(72) NEWMAN, Michael, J.
(31) 201361748369 P
(32) 02.01.2013
(33) United States of America

(51) A61K 35/74
C12N 1/20
A61P 1/00
A61P 11/06
A61P 29/00
A61P 19/02
A61P 25/28
A61P 35/00
A61P 27/02
(11) EP3204025
(21) EP16731641.3
(47) 11.09.2019
(87) GB2016051773
22.12.2016
(22) 15.06.2016
(54) COMPOSITIONS COMPRISING BACTERIAL STRAINS
(73) 4D Pharma Research Limited
(72) GRANT, George
PATTERSON, Angela Margaret
MULDER, Imke
MCCLUSKEY, Seanin
RAFTIS, Emma
(31) 201510469
201520628
201604566
(32) 15.06.2015
23.11.2015
17.03.2016
(33) United Kingdom
United Kingdom
United Kingdom

(51) A61K 35/76
A61K 47/46
A61L 15/36
A23K 10/10
(11) EP2723356
(21) EP12732609.8
(47) 11.09.2019
(87) EP2012062270
27.12.2012
(22) 25.06.2012
(54) DELIVERY OF VIRAL AGENTS
(73) Fixed Phage Limited
(72) CHADWICK, James
MATTEY, Michael
(31) 201110647
(32) 23.06.2011
(33) United Kingdom

(51) A61K 36/83
A61P 35/00
(11) EP2310027
(21) EP09766229.0
(47) 11.09.2019
(87) IB2009052407
23.12.2009
(22) 08.06.2009
(54) EXTRACT OF PHALERIA MACROCARPA AS AN ANTINEOPLASTIC, ANTI-INFLAMMATORY AND ANTIANGIOGENIC AGENT
(73) PT. Dexa Medica
(72) TJANDRAWINATA, Raymond R.
ARIPIN, Asep
ARIFIN, Poppy, Firzani
RAHMI, Dina
(31) 20080334
(32) 16.06.2008
(33) Indonesia

(51) A61K 36/88
A61K 36/28
A61P 1/16
A61P 17/00
A61P 13/12
A61P 31/00
A61K 8/60
A61Q 19/02
A61K 8/97
A61K 31/7032
(11) EP2810651
(21) EP14170846.1
(47) 11.09.2019
(22) 02.06.2014
(54) Galactolipids-enriched plant extracts and the uses thereof
(73) Academia Sinica
(72) Shyur, Lie-Fen
Feng, Jia-Hua
Apaya, Maria Karmella
(31) 102119755
(32) 04.06.2013
(33) Taiwan, Province of China

(51) A61K 36/9068
A61P 35/00
(11) EP2908836
(21) EP13740296.2
(47) 11.09.2019
(87) EP2013065661
01.05.2014
(22) 24.07.2013
(54) PHARMACEUTICAL FORMULATION CONTAINING CURCUMA
(73) BRIU GmbH
(72) ROSE, Uwe-Bernd
(31) 102012219219
(32) 22.10.2012
(33) Germany

(51) A61K 38/00

A61K 45/06
A61K 35/413
A61K 35/646
A61K 35/63
A61P 25/00
A61P 9/10
A61K 35/36
A61K 35/62
A61K 36/88
A61K 36/232
A61K 36/481
A61K 36/537
A61K 36/65
A61K 36/69
(11) EP2349300
(21) EP09825079.8
(47) 11.09.2019
(87) SG2009000416
14.05.2010
(22) 10.11.2009
(54) COMBINATION THERAPY FOR TREATMENT OF PATIENTS WITH NEUROLOGICAL DISORDERS AND CEREBRAL INFARCTION
(73) Moleac Pte Ltd.
(72) PICARD, David
SHI, Xue Min
LAZDUNSKI, Michel
(31) 200808340
(32) 10.11.2008
(33) Singapore

(51) A61K 38/00
C07K 16/18
C07K 14/705
A61K 39/00
(11) EP2793918
(21) EP12859843.0
(47) 11.09.2019
(87) US2012068782
27.06.2013
(22) 10.12.2012
(54) HDC-SIGN BINDING PEPTIDES
(73) The Rockefeller University
Sloan-Kettering Institute for Cancer Research
(72) RAVETCH, Jeffrey, V.
PINCETIC, Andrew
WANG, Ping
DANISHEFSKY, Sam
(31) 201161577495 P
(32) 19.12.2011
(33) United States of America

(51) A61K 38/02
A61K 31/435
A61K 35/36
A61K 8/64
A61K 8/98
A61Q 19/08
A61Q 17/04
A61P 35/00
A61P 39/06
A61P 27/02
(11) EP3288575
(21) EP16725186.7
(47) 11.09.2019
(87) FR2016051010
03.11.2016
(22) 29.04.2016
(54) BIOASSIMILABLE PROTEIN-MELANIN COMPLEX, PREPARATION AND USES
(73) Carlini, Rosanna
(72) BLANCHARDIE, Olivier
VELLA, Jean-Sébastien
(31) 1553920
(32) 30.04.2015
(33) France

(51) A61K 38/06
A61P 11/00
A61P 9/04
(11) EP2961420
(21) EP14756991.7
(47) 11.09.2019
(87) US2014019622
04.09.2014
(22) 28.02.2014
(54) METHODS AND COMPOSITIONS FOR THE PREVENTION OR TREATMENT OF BARTH SYNDROME
(73) Stealth Biotherapeutics Corp
(72) WILSON, D. Travis
BAMBERGER, Mark
(31) 201361771642 P
201361771534 P
201361839753 P
(32) 01.03.2013
01.03.2013
26.06.2013
(33) United States of America
United States of America
United States of America

(51) A61K 38/07
A61P 9/10
(11) EP2996707
(21) EP13884895.7
(47) 11.09.2019
(87) US2013066212
20.11.2014
(22) 22.10.2013
(54) METHODS FOR THE PREVENTION OR TREATMENT OF LEFT VENTRICLE REMODELING
(73) Stealth Biotherapeutics Corp
Heart Institute Good Samaritan Hospital
(72) WILSON, D. Travis
KLONER, Robert, A.
(31) 201361823305 P
(32) 14.05.2013
(33) United States of America

(51) A61K 38/08
A61K 38/16
A61P 3/04
A61P 3/00
(11) EP3189849
(21) EP15807777.6
(47) 11.09.2019
(87) KR2015007707
28.01.2016
(22) 24.07.2015
(54) PEPTIDES FOR PREVENTING OR TREATING OBESITY
(73) Seoul National University R&DB Foundation
Nano Intelligent Biomedical Engineering Co. Ltd
(72) CHUNG, Chong-Pyoung
PARK, Yoon Jeong
LEE, Jue-Yeon
SUH, Jin Sook
JO, In Ho
PARK, Yoon Shin
(31) 20140094182
(32) 24.07.2014
(33) Korea (Republic)

(51) A61K 38/12
A61K 45/06
A61P 31/04
(11) EP3065753
(21) EP14833181.2
(47) 11.09.2019
(87) IB2014002989
07.05.2015
(22) 31.10.2014
(54) USE OF PEPTIDES IN ANTIBIOTIC RESISTANCE
(73) Hutchison Biofilm Medical Solutions Limited
(72) ZLOTKIN, Amir
(31) 201361898183 P
201361905440 P
(32) 31.10.2013
18.11.2013
(33) United States of America
United States of America

(51) A61K 38/17
A61K 31/7088
A61K 31/7105
A61K 31/721
A61K 35/60
A61K 36/06
A61K 36/899
A61K 38/00
A61P 3/04
A61P 9/12
A61K 36/8998
A61K 38/39
A61K 36/064
(11) EP2484370
(21) EP10820121.1
(47) 11.09.2019
(87) JP2010005833
07.04.2011
(22) 28.09.2010
(54) COMPOSITION HAVING LIPOLYSIS-PROMOTING EFFECT
(73) Final Future International, Inc.
(72) XU, Shanhua
(31) 2009230493
(32) 02.10.2009
(33) Japan

(51) A61K 38/17
A61P 3/10
A61P 3/04
A61P 5/50
(11) EP2983784
(21) EP14720662.7
(47) 11.09.2019
(87) FR2014050821
16.10.2014
(22) 04.04.2014
(54) COMPOSITION INCLUDING THE HIP/PAP PROTEIN OR ONE OF THE DERIVATIVES THEREOF FOR TREATING INSULIN RESISTANCE
(73) THE HEALTHY AGING COMPANY
(72) ANDREELLI, Fabrizio

AMOUYAL, Paul
MAGNAN, Christophe
CRUCIANI-GUGLIELMACCI, Céline
FAIVRE, Jamila
DARNAUD, Marion
JAMOT, Laure
BRECHOT, Christian
AMOUYAL, Gilles
(31) 1353245
(32) 10.04.2013
(33) France

(51) A61K 38/18
A61P 35/00
(11) EP2481415
(21) EP11195151.3
(47) 11.09.2019
(22) 01.02.2008
(54) Pharmaceutical compositions comprising Activin-ActRIIA antagonists
(73) Acceleron Pharma Inc.
(72) Knopf, John
Seehra, Jasbir
Kumar, Ravindra
(31) 90058007 P
93276207 P
93736507 P
52807 P
(32) 09.02.2007
31.05.2007
26.06.2007
25.10.2007
(33) United States of America
United States of America
United States of America
United States of America

(51) A61K 38/19
A61P 25/00
(11) EP2737905
(21) EP12817542.9
(47) 11.09.2019
(87) CN2012079106
31.01.2013
(22) 24.07.2012
(54) USE OF G-CSF DIMER IN PREPARATION OF MEDICAMENT FOR TREATMENT OF NEURODEGENERATIVE DISEASES
(73) Generon (Shanghai) Corporation Ltd.
(72) WU, Dongdong
HUANG, Zhihua
HUANG, Yuliang
YAN, Xiaoqiang
(31) 201110209712
(32) 25.07.2011
(33) China

(51) A61K 38/20
A61K 39/385
A61K 39/39
A61K 39/395
A61K 39/44
A61P 35/00
(11) EP3010528
(21) EP14813855.5
(47) 11.09.2019
(87) US2014042004
24.12.2014
(22) 11.06.2014
(54) IN VIVO TARGETING OF CELLS WITH LIGAND-CONJUGATED PARTICLES
(73) Massachusetts Institute of Technology
(72) IRVINE, Darrell, J.
ZHENG, Yiran
ZHANG, Yuan
KWONG, Brandon
(31) 201361837137 P
(32) 19.06.2013
(33) United States of America

(51) A61K 38/26
A61K 47/61
A61K 47/69
A61P 3/10
(11) EP3302567
(21) EP16727469.5
(47) 11.09.2019
(87) EP2016062496
08.12.2016
(22) 02.06.2016
(54) PRODRUGS COMPRISING AN GLP-1/GLUCAGON DUAL AGONIST LINKER HYALURONIC ACID CONJUGATE
(73) SANOFI
(72) KADEREIT, Dieter
WAGNER, Michael
OLPP, Thomas
MEYER, Nino
DHAL, Pradeep
KONOWICZ, Paul
MILLER, Robert
STEFANO, James
BESEV, Magnus
BOSSART, Martin
LORENZ, Katrin
HAACK, Torsten
EVERS, Andreas
(31) 15305858
(32) 05.06.2015
(33) European Patent Office (EPO)

(51) A61K 39/00
(11) EP3035955
(21) EP14755334.1
(47) 11.09.2019
(87) EP2014002299
26.02.2015
(22) 21.08.2014
(54) COMPOSITION AND VACCINE FOR TREATING LUNG CANCER
(73) CureVac AG
(72) KALLEN, Karl-Josef
FOTIN-MLECZEK, Mariola
GNAD-VOGT, Ulrike
(31) PCT/EP2013/002514
(32) 21.08.2013
(33) World Intellectual Property Office (WIPO)

(51) A61K 39/00
A61P 25/28
C07K 16/18
(11) EP3102231
(21) EP15710295.5
(47) 11.09.2019
(87) US2015014758
13.08.2015
(22) 06.02.2015
(54) METHODS OF TREATING ALZHEIMER'S DISEASE
(73) F.Hoffmann-La Roche AG
(72) CHO, William
FRIESENHAHN, Michel
PAUL, Robert
WARD, Michael
(31) 201461937472 P
201461971479 P
201462010259 P
201462081992 P
(32) 08.02.2014
27.03.2014
10.06.2014
19.11.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) A61K 39/00
C07K 16/24
C07K 16/40
C07K 16/46
(11) EP2999484
(21) EP14732752.2
(47) 11.09.2019
(87) US2014039437
27.11.2014
(22) 23.05.2014
(54) ANTI-CCL2 AND ANTI-LOXL2 COMBINATION THERAPY FOR TREATMENT OF SCLERODERMA
(73) Shire Human Genetic Therapies, Inc.
(72) MARTINI, Paolo G.V.
NATARAJAN, Madhusudan
HASLETT, Patrick Anthony John
SEYMOUR, Albert Barnes
(31) 201361826692 P
(32) 23.05.2013
(33) United States of America

(51) A61K 39/002
A61K 39/012
C12N 15/00
(11) EP2956165
(21) EP14751914.4
(47) 11.09.2019
(87) US2014016359
21.08.2014
(22) 14.02.2014
(54) COMPOSITIONS AND METHODS OF ENHANCING IMMUNE RESPONSES TO EIMERIA OR LIMITING EIMERIA INFECTION
(73) The Board of Trustees of the University of Arkansas
The Texas A&M University System
(72) BARTA, John, R.
BERGHMAN, Luc
BIELKE, Lisa
HARGIS, Billy
SHIVARAMAIAH, Srichaitanya
FAULKNER, Olivia, B.
(31) 201361764681 P
(32) 14.02.2013
(33) United States of America

(51) A61K 39/08
A61K 38/48
C07K 14/00
C07K 14/33
C12N 9/52
(11) EP2948174
(21) EP14743135.7
(47) 11.09.2019

(87) US2014013385
31.07.2014
(22) 28.01.2014
(54) TREATMENT METHODS USING ATOXIC NEUROTOXIN DERIVATIVES
(73) New York University
(72) VAZQUEZ-CINTRON, Edwin, J.
ICHTCHENKO, Konstantin
BAND, Philip, A.
(31) 201361757478 P
(32) 28.01.2013
(33) United States of America

(51) A61K 39/395
A61K 45/06
C07K 16/28
A61P 35/00
(11) EP2822588
(21) EP13708156.8
(47) 11.09.2019
(87) EP2013054676
12.09.2013
(22) 08.03.2013
(54) COMBINATION THERAPY OF ANTIBODIES AGAINST HUMAN CSF-1R AND USES THEREOF
(73) F.Hoffmann-La Roche AG
(72) CANNARILE, Michael
RIES, Carola
RUETTINGER, Dominik
WARTHA, Katharina
(31) 12158519
(32) 08.03.2012
(33) European Patent Office (EPO)

(51) A61K 39/395
C07K 16/24
A61K 39/00
(11) EP3062818
(21) EP14857638.2
(47) 11.09.2019
(87) US2014062592
07.05.2015
(22) 28.10.2014
(54) BISPECIFIC ANTIBODIES THAT NEUTRALIZE BOTH TNF-ALPHA AND IL-6: NOVEL THERAPEUTIC AGENT FOR AUTOIMMUNE DISEASE
(73) IBC Pharmaceuticals, Inc.
(72) GOLDENBERG, David M.
LI, Rongxiu
CHANG, Chien-Hsing
(31) 201361898798 P
(32) 01.11.2013
(33) United States of America

(51) A61K 45/00
A61K 38/04
A61P 21/02
C07K 14/46
(11) EP2913063
(21) EP13848825.9
(47) 11.09.2019
(87) JP2013078743
01.05.2014
(22) 23.10.2013
(54) THERAPEUTIC AGENT FOR USE IN TREATING AMYOTROPHIC LATERAL SCLEROSIS
(73) Daiichi Sankyo Company, Limited
(72) MATSUO, Tsuyoshi
MURAYAMA, Norihito
FURUYA, Mayumi
(31) 2012234300
(32) 24.10.2012
(33) Japan

(51) A61K 45/06
A61K 31/337
A61K 31/395
A61K 31/4745
A61K 31/475
A61K 31/519
A61K 31/537
A61K 31/704
A61K 47/65
A61P 35/00
G01N 33/50
(11) EP2938360
(21) EP13820778.2
(47) 11.09.2019
(87) EP2013078034
03.07.2014
(22) 27.12.2013
(54) MINIMALLY TOXIC PRODRUGS
(73) Cobiores NV
(72) TROUET, André
(31) 201261746621 P
(32) 28.12.2012
(33) United States of America

(51) A61K 47/38
A61K 9/20
A61K 47/26
A61K 47/32
A61K 47/34
A61K 47/36
A61K 9/00
(11) EP2898899
(21) EP13840080.9
(47) 11.09.2019
(87) JP2013074823
27.03.2014
(22) 13.09.2013
(54) DISINTEGRATING PARTICLE COMPOSITION CONTAINING ACID-TYPE CARBOXYMETHYLCELLULOSE AND CRYSTALLINE CELLULOSE, AND ORALLY DISINTEGRATING TABLET CONTAINING SAID COMPOSITION
(73) Daicel Corporation
(72) HIRAMURA, Takahiro
IKURA, Kiyoshi
ISHIKAWA, Sae
OKABAYASHI, Tomohito
HASHIKAWA, Naohiro
MORITA, Tetsuro
IKEDA, Kimiko
(31) 2012206897
(32) 20.09.2012
(33) Japan

(51) A61K 47/68
A61K 48/00
A61K 47/64
C12N 15/87
C12Q 1/68
(11) EP2950825
(21) EP14709772.9
(47) 11.09.2019
(87) US2014014104
07.08.2014
(22) 31.01.2014
(54) FUNCTIONALIZED DNA DENDRIMERS FOR GENE DELIVERY TO CELLS
(73) Genisphere, LLC
Lankenau Institute of Medical Research
(72) GETTS, Robert C.
SAWICKI, Janet
(31) 201361759558 P
(32) 01.02.2013
(33) United States of America

(51) A61K 48/00
C07K 14/47
C12N 15/86
(11) EP2968613
(21) EP14779372.3
(47) 11.09.2019
(87) US2014023262
09.10.2014
(22) 11.03.2014
(54) DELIVERY OF CARD PROTEIN AS THERAPY FOR OCCULAR INFLAMMATION
(73) University of Florida Research Foundation, Inc.
(72) ILDEFONSO, Cristhian, J.
LEWIN, Alfred, S.
LI, Qiuhong
(31) 201361776076 P
(32) 11.03.2013
(33) United States of America

(51) A61K 48/00
C07K 14/705
C07K 16/28
C12N 5/0783
A61K 35/17
C07K 14/725
C07K 16/18
C12N 9/14
C12N 9/90
A61K 39/00
A61K 47/68
(11) EP3300745
(21) EP17187293.0
(47) 11.09.2019
(22) 14.02.2014
(54) CHIMERIC ANTIGEN RECEPTOR AND METHODS OF USE THEREOF
(73) The Regents of the University of California
(72) WU, Chia-Yung
ONUFFER, James
LIM, Wendell A.
(31) 201361765585 P
(32) 15.02.2013
(33) United States of America

(51) A61K 48/00
C12N 15/88
(11) EP3125945
(21) EP15720455.3
(47) 11.09.2019
(87) IB2015052405
08.10.2015
(22) 01.04.2015
(54) CAPPED AND UNCAPPED RNA MOLECULES AND BLOCK COPOLYMERS FOR INTRACELLULAR DELIVERY OF RNA
(73) Institut National de la Santé et de la Recherche Médicale (INSERM)

Universite de Nantes
Centre National de la Recherche Scientifique
(72) PITARD, Bruno
(31) 14305472
(32) 01.04.2014
(33) European Patent Office (EPO)

(51) A61K 49/04
A61B 90/35
(11) EP3280452
(21) EP16726154.4
(47) 11.09.2019
(87) IB2016051914
13.10.2016
(22) 05.04.2016
(54) FIDUCIAL MARKER FOR USE IN STEREOTACTIC RADIOSURGERY AND PROCESS OF PRODUCTION
(73) Fondazione Istituto Italiano di Tecnologia
(72) MAIORANO, Gabriele
MELE, Elisa
ATHANASIOU, Athanasia
POMPA, Pier Paolo
(31) UB20150014
(32) 07.04.2015
(33) Italy

(51) A61L 2/18
A61L 2/20
C02F 1/72
C02F 1/78
F28F 25/00
C02F 103/02
(11) EP3071242
(21) EP14835694.2
(47) 11.09.2019
(87) DE2014000573
28.05.2015
(22) 11.11.2014
(54) METHOD FOR THE OXIDATIVE TREATMENT OF A LIQUID PHASE AND/OR A GAS PHASE AND/OR A SOLID PHASE
(73) Nonnenmacher, Klaus
(72) Nonnenmacher, Klaus
(31) 102013019339
(32) 20.11.2013
(33) Germany

(51) A61L 2/20
C01B 13/11
G06F 3/02
A61L 101/10
A01N 25/34
(11) EP3305330
(21) EP16799847.5
(47) 11.09.2019
(87) JP2016064387
01.12.2016
(22) 13.05.2016
(54) STERILIZING SHEET
(73) Creative Technology Corporation
Matsuda Design Ltd.
(72) KOYAMA Satomi
TATSUMI Yoshiaki
LUO Li
TSUBOI Kazuki
KUSANO Mutsumi
MATSUDA Takeshi
HAYASHI Shujiro
(31) 2015107402
(32) 27.05.2015
(33) Japan

(51) A61L 27/10
A61L 27/30
A61L 31/02
A61L 31/08
(11) EP3328451
(21) EP16744759.8
(47) 11.09.2019
(87) EP2016067972
02.02.2017
(22) 28.07.2016
(54) IMPLANTS WITH AT LEAST ONE OSSEOINTEGRATIVE AND ANTI-MICROBIAL SURFACE (MULTI)LAYER STRUCTURE
(73) CeramTec GmbH
(72) PORPORATI, Alessandro Alan
RASCHKE, Marita
STREICHER, Professor Robert
KUNTZ, Meinhard
PREUSS, Roman
GOTTWIK, Lukas
(31) 15178659
(32) 28.07.2015
(33) European Patent Office (EPO)

(51) A61L 27/12
A61L 27/56
(11) EP2252339
(21) EP09706273.1
(47) 11.09.2019
(87) GB2009000296
06.08.2009
(22) 02.02.2009
(54) POROUS BIOMATERIAL
(73) Apatech Ltd.
(72) BUCKLAND, Tom
CAMPION, Charles
(31) 0801935
(32) 01.02.2008
(33) United Kingdom

(51) A61L 27/36
(11) EP3095469
(21) EP15169048.4
(47) 11.09.2019
(22) 22.05.2015
(54) PROCESS FOR BONE TISSUE DECELLULARIZATION
(73) Inci, Ilyas
(72) Inci, Ilyas

(51) A61L 27/36
A61L 27/56
A61L 27/54
(11) EP2919824
(21) EP13854595.9
(47) 11.09.2019
(87) US2013069918
22.05.2014
(22) 13.11.2013
(54) METHODS FOR CROSS-LINKING BIOPROSTHETIC TISSUE USING BIO-ORTHOGONAL BINDING PAIRS
(73) Edwards Lifesciences Corporation
(72) BENTON, Julie, A.
(31) 201261725937 P
201314078435
(32) 13.11.2012
12.11.2013
(33) United States of America
United States of America

(51) A61L 29/08
A61L 29/14
A61L 31/10
A61L 31/14
(11) EP3294359
(21) EP16726425.8
(47) 11.09.2019
(87) IB2016052349
17.11.2016
(22) 26.04.2016
(54) HYDROPHILIC COATING FOR INTRAVASCULAR DEVICES
(73) Koninklijke Philips N.V.
Volcano Corporation
(72) LIN, Tung-Liang
(31) 201562158955 P
(32) 08.05.2015
(33) United States of America

(51) A61L 33/00
A61L 31/00
C08F 220/28
C09D 133/14
A61L 27/34
A61L 31/10
A61L 33/06
(11) EP3111969
(21) EP15752648.4
(47) 11.09.2019
(87) JP2015054674
27.08.2015
(22) 19.02.2015
(54) MEDICAL MATERIAL AND MEDICAL INSTRUMENT USING MEDICAL MATERIAL
(73) Terumo Kabushiki Kaisha
(72) ANZAI, Takao
NISHIDA, Kaori
(31) 2014033404
(32) 24.02.2014
(33) Japan

(51) A61M 1/00
(11) EP3124060
(21) EP15178666.2
(47) 11.09.2019
(22) 28.07.2015
(54) SILENCER FOR A VACUUM THERAPY UNIT
(73) Paul Hartmann AG
(72) Beyrle, Karina
Croizat, Pierre, Dr.
Klusmann, Johanna
Grimwade, Stephen John
Woodward, Adrian Michael
Stein, James Edward

(51) A61M 1/00
(11) EP2866851
(21) EP13734299.4
(47) 11.09.2019
(87) US2013047943
03.01.2014
(22) 26.06.2013
(54) WOUND CONNECTION PAD WITH RFID AND INTEGRATED STRAIN GAUGE PRESSURE SENSOR
(73) KCI Licensing, Inc.
(72) GONZALEZ, Juan, L.

LOCKE, Christopher Brian
COULTHARD, Richard Daniel John
(31) 201261665755 P
(32) 28.06.2012
(33) United States of America

(51) A61M 1/02
A61M 1/26
A61M 1/34
B01D 63/16
B01D 65/08
(11) EP3137127
(21) EP14727140.7
(47) 11.09.2019
(87) US2014036011
05.11.2015
(22) 30.04.2014
(54) METHOD FOR CONTROLLING FOULING AND COMPLEMENT PROTEIN ACTIVATION DURING SPINNING MEMBRANE FILTRATION OF PLASMA FROM WHOLE BLOOD
(73) Fenwal, Inc.
(72) KUSTERS, Benjamin E.
MIN, Kyungyoon
WEGENER, Christopher J.
BOGGS, Daniel R.

(51) A61M 1/06
(11) EP3171906
(21) EP15825352.6
(47) 11.09.2019
(87) US2015041285
28.01.2016
(22) 21.07.2015
(54) BREAST PUMP SYSTEM AND METHODS
(73) ExploraMed NC7, Inc.
(72) CHANG, John Y.
MAKOWER, Joshua
DONOHOE, Brendan M.
TOROSIS, Michele
(31) 201462027685 P
201562138650 P
(32) 22.07.2014
26.03.2015
(33) United States of America
United States of America

(51) A61M 1/06
A61M 39/10
A61J 9/00
(11) EP2624877
(21) EP11831409.5
(47) 11.09.2019
(87) US2011054649
12.04.2012
(22) 03.10.2011
(54) HANDS-FREE BREAST PUMP SYSTEM
(73) Brittner, Lyndon
(72) Brittner, Lyndon
(31) 898600
(32) 05.10.2010
(33) United States of America

(51) A61M 1/36
(11) EP3228341
(21) EP17164995.7
(47) 11.09.2019
(22) 05.04.2017
(54) FLUID PROCESSING CASSETTE AND SENSOR COUPLING SYSTEM
(73) Fenwal, Inc.
(72) CASE, Brian C.
WEST, Richard L.
MURPHEY, Randy K.
BISHOF, Christopher J.
(31) 201662320160 P
(32) 08.04.2016
(33) United States of America

(51) A61M 5/14
F16M 11/12
(11) EP2609945
(21) EP13150134.8
(47) 11.09.2019
(22) 24.09.2004
(54) Container support device
(73) Nikkiso Co., Ltd.
(72) Hartwig, Rainer
Heeke, Gunter
Gretzinger, Matthias
(31) 670445
(32) 25.09.2003
(33) United States of America

(51) A61M 5/158
A61M 5/32
(11) EP2913074
(21) EP15159466.0
(47) 11.09.2019
(22) 07.12.2012
(54) INFUSION DEVICE WITH RELEASABLE FLUID CONNECTOR
(73) Becton, Dickinson and Company
(72) Sonderegger, Ralph
Marsch, Ronald
Hwang, Charles
Richards, Stephen
Politis, Victor
Horvath, Joshua
Glace, Benjamin
Sullivan, James
Lambert, Ryan
Venditto, Gregory
Bene, Eric
(31) 201161568074 P
201261692985 P
201261719755 P
(32) 07.12.2011
24.08.2012
29.10.2012
(33) United States of America
United States of America
United States of America

(51) A61M 5/20
(11) EP3074064
(21) EP14821732.6
(47) 11.09.2019
(87) FR2014052997
28.05.2015
(22) 21.11.2014
(54) AUTO-INJECTOR
(73) APTAR France SAS
(72) FABIEN, David
(31) 1361557
(32) 25.11.2013
(33) France

(51) A61M 5/20
(11) EP3302642
(21) EP16728653.3
(47) 11.09.2019
(87) EP2016062462
08.12.2016
(22) 02.06.2016
(54) AUTOINJECTOR AND METHOD OF ASSEMBLING
(73) Sanofi-Aventis Deutschland GmbH
(72) KEMP, Thomas Mark
MOSEBACH, Carsten
(31) 15170597
(32) 03.06.2015
(33) European Patent Office (EPO)

(51) A61M 5/20
A61M 5/24
A61M 5/315
(11) EP2879738
(21) EP13744505.2
(47) 11.09.2019
(87) EP2013065938
06.02.2014
(22) 29.07.2013
(54) AUTO-INJECTOR
(73) UCB Biopharma SPRL
(72) MCLOUGHLIN, Martin John
HEALD, Michael James David
MELZI, Ilario
VERKLAAK, Stefan
PALOMBI, Tatiana
(31) 201213500
201222353
(32) 30.07.2012
12.12.2012
(33) United Kingdom
United Kingdom

(51) A61M 5/20
A61M 5/31
A61M 5/32
(11) EP2326371
(21) EP09784750.3
(47) 11.09.2019
(87) GB2009001798
21.01.2010
(22) 20.07.2009
(54) SYSTEMS FOR ADMINISTERING MEDICATION FOR RHEUMATOID ARTHRITIS PATIENTS
(73) UCB Biopharma SPRL
(72) McLOUGHLIN, Martin
LEE, Alex
FORMOSA, Dan
VORDENBERG, Steven
VICARI, Joern
FREITAG, Eric
KONTORVICH, Boris
(31) 13526208 P
19255108 P
(32) 18.07.2008
18.09.2008
(33) United States of America
United States of America

(51) A61M 5/24
A61M 5/20
A61M 5/315
(11) EP2799101
(21) EP12861993.9
(47) 11.09.2019
(87) JP2012007906
04.07.2013
(22) 11.12.2012

(54) PHARMACEUTICAL INJECTION DEVICE
(73) PHC Holdings Corporation
(72) MURAKAMI, Kenji
FUJIMOTO, Mitsuteru
IIO, Toshiaki
(31) 2011283215
(32) 26.12.2011
(33) Japan

(51) A61M 5/31
A61M 5/24
A61M 5/315
(11) EP3316944
(21) EP16733980.3
(47) 11.09.2019
(87) EP2016065621
05.01.2017
(22) 01.07.2016
(54) METHOD FOR ASSEMBLING A DRUG DELIVERY DEVICE AND DRUG DELIVERY DEVICE FORMED BY THE METHOD
(73) Novo Nordisk A/S
(72) BENGTSSON, Henrik
CARROLL, Ronan
SPORK, Emil Gram
(31) 15174921
(32) 01.07.2015
(33) European Patent Office (EPO)

(51) A61M 5/315
(11) EP3299052
(21) EP17194892.0
(47) 11.09.2019
(22) 25.11.2010
(54) METERING DEVICE FOR AN INJECTION DEVICE
(73) Tecpharma Licensing AG
(72) Moser, Ulrich
Hirschel, Jürg
Meier, Stefan
Schrul, Christian

(51) A61M 5/315
A61M 5/32
A61M 5/31
A61M 5/20
(11) EP3374008
(21) EP16809487.8
(47) 11.09.2019
(87) FR2016052924
18.05.2017
(22) 10.11.2016
(54) AUTOINJECTOR
(73) Aptar France SAS
(72) SAUSSAYE, Anthony
FOUCAULT, Franck
(31) 1560861
(32) 13.11.2015
(33) France

(51) A61M 5/315
A61M 5/50
A61M 5/24
(11) EP3174580
(21) EP15827601.4
(47) 11.09.2019
(87) US2015043275
04.02.2016
(22) 31.07.2015
(54) INJECTION SYSTEM
(73) Hospira, Inc.
(72) SUNDQUIST, John
RUSH, Ben
BROWKA, Edward Paul
FOSHEE, David L.
WILLARD, Gretchen E.
MYERS, Stephen
RODRIGUEZ, Hector
HORTON, John Coleman
(31) 201462031667 P
(32) 31.07.2014
(33) United States of America

(51) A61M 5/32
(11) EP2676693
(21) EP12747609.1
(47) 11.09.2019
(87) JP2012053136
23.08.2012
(22) 10.02.2012
(54) SAFETY NEEDLE ASSEMBLY
(73) Terumo Kabushiki Kaisha
(72) GONZALES Laurence
KAGAYA Satoshi
(31) 2011028075
(32) 14.02.2011
(33) Japan

(51) A61M 5/32
A61M 5/50
(11) EP3146988
(21) EP16192648.0
(47) 11.09.2019
(22) 26.06.2009
(54) PASSIVE REUSE PREVENTION SYRINGE THAT USES A FLANGE LOCK
(73) Becton, Dickinson and Company
(72) Wayman, Brian, H.
Odell, Robert
Caizza, Richard, James
Baranski, Andrzej

(51) A61M 11/00
A61B 5/00
A61K 49/00
(11) EP3157599
(21) EP15736559.4
(47) 11.09.2019
(87) FR2015051649
30.12.2015
(22) 22.06.2015
(54) METHOD FOR CREATING A HOMOGENEOUS ALLERGEN-LADEN ATMOSPHERE WITH CHOSEN PARAMETERS IN AN EXPOSURE ROOM
(73) Alyatec
Hôpitaux Universitaires de Strasbourg (HUS)
(72) DE BLAY, Frédéric
SANTAILLER, Gérard
(31) 1455821
(32) 23.06.2014
(33) France

(51) A61M 11/04
A61M 15/00
(11) EP1725285
(21) EP05717987.1
(47) 11.09.2019
(87) GB2005000926
22.09.2005
(22) 10.03.2005
(54) A DISPENSING DEVICE WITH RESTRICTING MEMBER
(73) Glaxo Group Limited
(72) ANDERSON, Gregor John McLennan
BRAND, Peter, John
COX, Mark, Anthony
CUDE, Ian
FARR, Philip, William
KELLY, Andrew, Michael
LINTELL, Daniel, Thomas, De Sausmarez
PEARSON, Allen, John
RAND, Paul, Kenneth
(31) 0405397
0420538
(32) 10.03.2004
15.09.2004
(33) United Kingdom
United Kingdom

(51) A61M 15/00
(11) EP3311868
(21) EP17184056.4
(47) 11.09.2019
(22) 11.03.2014
(54) INHALATOR DEVICE AND METHOD
(73) Collins, John R.
(72) COLLINS, John R.
DITTMAR, Ed
(31) 201361776330 P
(32) 11.03.2013
(33) United States of America

(51) A61M 15/00
(11) EP2773407
(21) EP12787837.9
(47) 11.09.2019
(87) GB2012052708
10.05.2013
(22) 31.10.2012
(54) DISPENSER CAP ARRANGEMENT
(73) EURO-CELTIQUE S.A.
(72) DUIGNAN, Cathal
PRIOR, Peter
(31) 201118842
(32) 01.11.2011
(33) United Kingdom

(51) A61M 15/00
A61M 11/00
A61B 5/08
(11) EP3129088
(21) EP15722065.8
(47) 11.09.2019
(87) EP2015000721
15.10.2015
(22) 02.04.2015
(54) INHALATION TRAINING DEVICE AND SYSTEM FOR PRACTICING OF AN INHALATION PROCESS OF A PATIENT
(73) Boehringer Ingelheim International GmbH
(72) ADAMS, Patricia
FRANK, Marion
WACHTEL, Herbert
(31) 14001266
(32) 07.04.2014
(33) European Patent Office (EPO)

(51) A61M 15/00
A61M 15/02
A61G 10/02
B02C 17/00
B02C 15/10

A47J 42/06
B02C 17/10
(11) EP3439718
(21) EP16787862.8
(47) 11.09.2019
(87) EP2016075904
12.10.2017
(22) 27.10.2016
(54) MICRONISATION MEANS
(73) Klafs GmbH & Co. KG
(72) GÄBELE, Markus
(31) 102016106358
(32) 07.04.2016
(33) Germany

(51) A61M 16/00
A61M 16/04
(11) EP3225272
(21) EP17150193.5
(47) 11.09.2019
(22) 04.02.2011
(54) MEDICAL TUBES FOR SELECTIVE MECHANICAL VENTILATION OF THE LUNGS
(73) Pol, Guillermo L.
(72) Pol, Guillermo L.
(31) 301435 P
(32) 04.02.2010
(33) United States of America

(51) A61M 16/06
(11) EP2872207
(21) EP13748107.3
(47) 11.09.2019
(87) IB2013055376
16.01.2014
(22) 01.07.2013
(54) PATIENT INTERFACE
(73) Koninklijke Philips N.V.
(72) ZEIJLSTRA, Harmina Christina
SCHUDELARO, Antonius Adrianus Petrus
MARTENS, Peter
VAN DE VEN, Richard Johannus Maria
PASTOOR, Sander Theodoor
(31) 201261670245 P
(32) 11.07.2012
(33) United States of America

(51) A61M 16/20
(11) EP3318303
(21) EP16820682.9
(47) 11.09.2019
(87) CN2016079340
12.01.2017
(22) 15.04.2016
(54) INTEGRAL TYPE OXYGEN MIXING CHANNEL FOR RESPIRATOR OXYGEN MIXING VALVE
(73) Beijing Aeonmed Co., Ltd.
(72) ZHANG, Xinjian
MA, Yingdan
(31) 201520479627 U
(32) 06.07.2015
(33) China

(51) A61M 21/00
(11) EP3174588
(21) EP15753325.8
(47) 11.09.2019
(87) EP2015067730
04.02.2016
(22) 31.07.2015
(54) AUTOMATIC GENERATION OF VISUAL STIMULI
(73) ART+COM AG
Graft Gesellschaft von Architekten mbH
(72) LÜTZ, Alawi
SPIES, Claudia
HE, Jing
ÄNGESLEVÄ, Jussi
WILLEMEIT, Thomas
(31) 102014215211
(32) 01.08.2014
(33) Germany

(51) A61M 21/02
G10K 15/04
A61M 21/00
G10H 7/00
(11) EP1679093
(21) EP04787932.5
(47) 11.09.2019
(87) JP2004013749
31.03.2005
(22) 21.09.2004
(54) APPARATUS FOR ENVIRONMENTAL SETTING
(73) Action Research Co., Ltd.
(72) Oohashi, Tsutomu, Park-house-higashinakano 022
Kawai, Norie, Park-house-higashinakano 022
Nishina, Emi, Park-house-higashinakano 022
Yagi, Reiko, Park-house-higashinakano 022
Honda, Manabu Park-house-higashinakano 022
Nakamura, Satoshi, Park-house-higashinakano 022
Morimoto, Masako, Park-house-higashinakano 022
Maekawa, Tadao, Park-house-higashinakano 022
(31) 2003326187
(32) 18.09.2003
(33) Japan

(51) A61M 25/00
(11) EP2453968
(21) EP10800668.5
(47) 11.09.2019
(87) US2010042459
20.01.2011
(22) 19.07.2010
(54) An alignment adaptor for facilitating the insertion of a guidewire into a dilator
(73) Medical Components, Inc.
(72) CHESNIN, Kenneth, J
BASTA, Michael
ENGLE, Sam
CELLINI, Michael
SANFORD, Kevin
(31) 226428 P
(32) 17.07.2009
(33) United States of America

(51) A61M 25/00
A61B 5/0215
A61B 1/005
A61F 2/24
A61B 5/06
A61B 5/00
A61B 17/00
A61B 17/04
A61B 17/06
(11) EP3003452
(21) EP14800594.5
(47) 11.09.2019
(87) US2014038834
27.11.2014
(22) 20.05.2014
(54) CARDIAC TISSUE PENETRATING DEVICES
(73) Bioventrix, Inc.
(72) VAN BLADEL, Kevin
MOSHE, Meir
ANNEST, Lon
(31) 201361827114 P
(32) 24.05.2013
(33) United States of America

(51) A61M 25/00
A61M 25/10
A61M 29/02
(11) EP2865404
(21) EP14192553.7
(47) 11.09.2019
(22) 02.06.2008
(54) EXTENSION TUBES FOR BALLOON CATHETERS
(73) Covidien LP
(72) VREEMAN, Daniel
EDDY, Jason
KALLIO, Sandra
(31) 941288 P
(32) 01.06.2007
(33) United States of America

(51) A61M 25/01
A61B 1/005
(11) EP2355885
(21) EP09756199.7
(47) 11.09.2019
(87) US2009063806
20.05.2010
(22) 10.11.2009
(54) STEERING MECHANISM
(73) Boston Scientific Scimed, Inc.
(72) OSKIN, Christopher
OSTROVSKY, Isaac
ROBERTSON, David W.
BARENBOYM, Michael
(31) 113621 P
612961
(32) 12.11.2008
05.11.2009
(33) United States of America
United States of America

(51) A61M 25/06
(11) EP2916892
(21) EP13792167.2
(47) 11.09.2019
(87) US2013068151
15.05.2014
(22) 01.11.2013
(54) CLOSED-SYSTEM CATHETER ASSEMBLY
(73) Carefusion 303 Inc.
(72) YEH, Jonathan
MANSOUR, George
ZOLLINGER, Chris
(31) 201213673975
(32) 09.11.2012
(33) United States of America

(51) A61M 25/09

A61M 29/00
A61M 25/06
(11) EP2678065
(21) EP12782187.4
(47) 11.09.2019
(87) US2012026618
15.11.2012
(22) 24.02.2012
(54) MEDICAL COMPONENT INSERTION DEVICE INCLUDING A RETRACTABLE NEEDLE
(73) C.R. Bard Inc.
(72) HALL, John, W.
PATTERSON, Ryan, C.
FARNWORTH, Charles
(31) 201161446817 P
(32) 25.02.2011
(33) United States of America

(51) A61M 25/10
A61F 2/06
A61F 2/91
A61F 2/95
A61F 2/958
A61M 25/06
(11) EP2227186
(21) EP08852999.5
(47) 11.09.2019
(87) EP2008065957
28.05.2009
(22) 21.11.2008
(54) DEVICE FOR IMPLANTING A VASCULAR PROSTHESIS
(73) Assistance Publique Hôpitaux de Marseille
Université d'Aix-Marseille
(72) ALIMI, Yves
GARITEY, Vincent
RAMOS CLAMOTE, Joachim
(31) 0759269
(32) 23.11.2007
(33) France

(51) A61M 29/00
A61M 29/02
A61F 11/00
(11) EP3368139
(21) EP16794122.8
(47) 11.09.2019
(87) US2016058729
04.05.2017
(22) 26.10.2016
(54) FLUID COMMUNICATION FEATURES FOR EUSTACHIAN TUBE DILATION INSTRUMENT
(73) Acclarent, Inc.
(72) CHAN, Randy S.
DESAI, Shiddhi K.
MUNI, Ketan P.
HA, Hung V.
DRAKE, Andrew
(31) 201514928114
(32) 30.10.2015
(33) United States of America

(51) A61M 37/00
A61K 9/00
A61M 5/315
(11) EP2526996
(21) EP12180169.0
(47) 11.09.2019
(22) 22.12.2003
(54) Formulation for intracutaneous injection
(73) Xeris Pharmaceuticals, Inc.
(72) Prestrelski, Steven
Brodbeck, Kevin
(31) 435466 P
(32) 20.12.2002
(33) United States of America

(51) A61M 39/10
A61M 1/14
A61M 39/20
A61M 39/24
A61M 39/26
(11) EP3061489
(21) EP16155908.3
(47) 11.09.2019
(22) 16.02.2016
(54) CONNECTOR FOR A DIALYSIS MACHINE
(73) B. Braun Avitum AG
(72) GEIGER, Ralph
SCHLITT, Christof
(31) 102015102719
(32) 25.02.2015
(33) Germany

(51) A61M 39/10
B29C 45/26
B29C 45/43
B29C 45/56
B29L 31/00
A61M 25/00
(11) EP2819735
(21) EP13706250.1
(47) 11.09.2019
(87) EP2013053676
06.09.2013
(22) 25.02.2013
(54) METHOD FOR MANUFACTURING OF URINARY CATHETERS
(73) Coloplast A/S
Rolsted Mould System ApS
Rolsted, Erik
Øelund, Jakob
Schertiger, Lars Olav
Luther, Preben
Bager, Kim
(72) ROLSTED, Erik
ØELUND, Jakob
SCHERTIGER, Lars Olav
LUTHER, Preben
BAGER, Kim
(31) 201200156
201300061
(32) 27.02.2012
31.01.2013
(33) Denmark
Denmark

(51) A61M 39/22
(11) EP1849495
(21) EP07002924.4
(47) 11.09.2019
(22) 12.02.2007
(54) Liquid mixing infusor
(73) Cardinal Health Ireland Unlimited Company
(72) Kitani, Ichiro
Funamura, Shigeaki
(31) 2006124674
2006199723
(32) 28.04.2006
21.07.2006
(33) Japan
Japan

(51) A61N 1/36
A61N 5/06
(11) EP3183030
(21) EP15787235.9
(47) 11.09.2019
(87) EP2015075287
12.05.2016
(22) 30.10.2015
(54) DEVICE FOR EFFECTIVE INVASIVE DESYNCHRONIZING NEUROSTIMULATION
(73) Forschungszentrum Jülich GmbH
(72) TASS, Peter Alexander
POPOVYCH, Oleksandr
XENAKIS, Markos
(31) 102014115994
(32) 03.11.2014
(33) Germany

(51) A61N 1/365
A61N 1/368
A61N 1/39
(11) EP3326690
(21) EP17201550.5
(47) 11.09.2019
(22) 14.11.2017
(54) BI-VENTRICULAR IMPLANTABLE MEDICAL DEVICE
(73) BIOTRONIK SE & Co. KG
(72) Taff, Brian M.
Kraetschmer, Hannes
(31) 201662426233 P
(32) 24.11.2016
(33) United States of America

(51) A61N 1/372
H04L 27/156
H04L 27/06
(11) EP2874697
(21) EP13744907.0
(47) 11.09.2019
(87) US2013051067
23.01.2014
(22) 18.07.2013
(54) RECEIVER AND DIGITAL DEMODULATION CIRCUITRY FOR AN EXTERNAL CONTROLLER USEABLE IN AN IMPLANTABLE MEDICAL DEVICE SYSTEM
(73) Boston Scientific Neuromodulation Corporation
(72) STOUFFER, Thomas, W.
AGHASSIAN, Daniel
FREIDIN, Lev
DRONOV, Vasily
(31) 201261673836 P
201313942073
(32) 20.07.2012
15.07.2013
(33) United States of America
United States of America

(51) A61N 1/375
H01G 4/35
H01G 4/012
H01G 4/018
H01G 4/224
H01G 4/236

H05K 1/18
(11) EP3326692
(21) EP17197151.8
(47) 11.09.2019
(22) 18.10.2017
(54) FEEDTHROUGH FOR AN IMPLANTABLE MEDICAL DEVICE HAVING A COMPOSITE CONDUCTIVE LEAD
(73) Greatbatch Ltd.
(72) SEITZ, Keith W.
MARZANO, Thomas
STEVENSON, Robert A.
FRYSZ, Christine A.
WOODS, Jason
BRENDEL, Richard L.
MARTINO, Marc Gregory
(31) 201662418834 P
201715603521
(32) 08.11.2016
24.05.2017
(33) United States of America
United States of America

(51) A61N 1/39
(11) EP3383491
(21) EP16813302.3
(47) 11.09.2019
(87) US2016064762
08.06.2017
(22) 02.12.2016
(54) EXTRA-CARDIOVASCULAR CARDIAC PACING SYSTEM FOR DELIVERING COMPOSITE PACING PULSES
(73) Medtronic Inc.
(72) ANDERSON, David A.
MARSHALL, Mark T.
NIKOLSKI, Vladimir P.
SAWCHUK, Robert T.
THOMPSON-NAUMAN, Amy E.
WAHLSTRAND, John D.
YOUNKER, Gregory A.
(31) 201562262412 P
(32) 03.12.2015
(33) United States of America

(51) A61N 5/02
A61B 18/00
A61N 5/00
A61B 18/18
(11) EP2777765
(21) EP14159833.4
(47) 11.09.2019
(22) 14.03.2014
(54) Recirculating cooling system for energy delivery device
(73) Covidien LP
(72) Larson, Eric W.
Peterson, Darion R.
Brannan, Joseph D.
(31) 201313835625
(32) 15.03.2013
(33) United States of America

(51) A61N 5/10
(11) EP3251727
(21) EP15879964.3
(47) 11.09.2019
(87) JP2015052569
04.08.2016
(22) 29.01.2015
(54) RADIOTHERAPY DEVICE CONTROL APPARATUS
(73) Hitachi, Ltd.
(72) KANEKO, Shuji
TAKAHASHI, Kunio

(51) A61N 5/10
(11) EP3357536
(21) EP16863521.7
(47) 11.09.2019
(87) CN2016102332
18.05.2017
(22) 18.10.2016
(54) NEUTRON CAPTURE THERAPY SYSTEM
(73) Neuboron Medtech Ltd.
(72) LIU, Yuan-Hao
CHEN, Wei-Lin
(31) 201510770609
201520901136 U
(32) 12.11.2015
12.11.2015
(33) China
China

(51) A61N 5/10
A61N 1/32
A61N 1/05
A61B 18/14
A61N 1/20
A61B 18/00
A61B 90/00
A61B 34/00
(11) EP2874706
(21) EP13779348.5
(47) 11.09.2019
(87) IB2013056019
30.01.2014
(22) 23.07.2013
(54) COMBINED BRACHYTHERAPY AND ELECTROCHEMOTHERAPY CATHETERS
(73) Koninklijke Philips N.V.
(72) AMTHOR, Thomas Erik
KRUEGER, Sascha
WEISS, Steffen
UHLEMANN, Falk
(31) 201261674411 P
(32) 23.07.2012
(33) United States of America

(51) A61N 5/10
G01R 29/08
A61B 5/00
A61B 34/20
A61B 5/06
A61B 10/02
A61B 17/00
(11) EP3237064
(21) EP15816533.2
(47) 11.09.2019
(87) IB2015059458
30.06.2016
(22) 09.12.2015
(54) TRACKING QUALITY CONTROL FOR ELECTROMAGNETIC GUIDANCE
(73) Koninklijke Philips N.V.
(72) DEHGHAN MARVAST, Ehsan
BHARAT, Shyam
TAHMASEBI MARAGHOOSH, Amir Mohammad
DALAL, Sandeep M.
KRUECKER, Jochen
KUNG, Cynthia Ming-fu
VENUGOPAL, Niranjan
RAVI, Ananth
(31) 201462096580 P
(32) 24.12.2014
(33) United States of America

(51) A61N 5/10
G21K 1/00
G21K 5/00
G21K 5/02
H05H 3/06
H05H 6/00
H05H 13/00
G21K 5/04
G21K 5/08
G21K 5/10
(11) EP2612692
(21) EP11821510.2
(47) 11.09.2019
(87) JP2011067795
08.03.2012
(22) 03.08.2011
(54) NEUTRON BEAM IRRADIATION SYSTEM
(73) Sumitomo Heavy Industries, Ltd.
(72) MITSUMOTO Toshinori
(31) 2010195835
(32) 01.09.2010
(33) Japan

(51) A61P 11/00
A61K 31/4035
A61K 31/443
A61K 31/47
A61K 45/06
(11) EP3142748
(21) EP15727144.6
(47) 11.09.2019
(87) US2015030764
19.11.2015
(22) 14.05.2015
(54) USE OF PDE4 INHIBITORS AND COMBINATIONS THEREOF FOR THE TREATMENT OF CYSTIC FIBROSIS
(73) Celgene Corporation
(72) SCHAFER, Peter
KORISH, Shimon
(31) 201461993467 P
(32) 15.05.2014
(33) United States of America

(51) A61P 35/00
(11) EP2989125
(21) EP14718115.0
(47) 11.09.2019
(87) EP2014057909
30.10.2014
(22) 17.04.2014
(54) COMBINATION THERAPY OF ANTIBODIES AGAINST HUMAN CSF-1R AND TLR9 AGONIST
(73) F.Hoffmann-La Roche AG
(72) HOVES, Sabine
RIES, Carola
RUETTINGER, Dominik
WARTHA, Katharina
(31) 13164695
(32) 22.04.2013

(33) European Patent Office (EPO)

(51) A61P 35/02
A61P 35/04
G01N 33/574
A61K 36/37
(11) EP3043867
(21) EP14843285.9
(47) 11.09.2019
(87) US2014055401
19.03.2015
(22) 12.09.2014
(54) USE OF WILFORLIDE A FOR OVERCOMING CHEMOTHERAPY RESISTANCE
(73) Western University Of Health Sciences
(72) CHOW, Moses Sing Sum
HUANG, Ying
WANG, Zhi Jun
(31) 201361877353 P
(32) 13.09.2013
(33) United States of America

(51) A61Q 5/00
A61Q 5/12
A61K 8/898
(11) EP3187227
(21) EP15202794.2
(47) 11.09.2019
(22) 28.12.2015
(54) USE OF SILICONE COPOLYMER FOR IMPROVING SELECT HAIR PROPERTIES AND PROCESS THEREOF
(73) Kao Corporation
(72) Burgdorf, Kristin
Tate, Yoshimasa
Schmid, Sabine
Cajan, Christine

(51) A61Q 15/00
A61Q 17/00
A61K 8/81
(11) EP3171943
(21) EP15738115.3
(47) 11.09.2019
(87) EP2015066594
28.01.2016
(22) 21.07.2015
(54) DEODORANT PREPARATIONS COMPRISING POLYQUATERNIUM-16 POLYMERS
(73) Beiersdorf AG
(72) TRAUPE, Bernd
WEETS, Gudrun
GROTH, Inken
FIRYN, Andreas
KLAWITER, Helen
KLAUCK, Robert
PRIEBE, Laura
BRAREN, Sandra
FOELSTER, Heike
KANINCK, Stefanie
LIEBICH, Anne
(31) 102014214463
(32) 24.07.2014
(33) Germany

(51) A61Q 17/04
A61K 8/40
A61K 8/63
(11) EP2451535
(21) EP10730727.4
(47) 11.09.2019
(87) EP2010004127
13.01.2011
(22) 06.07.2010
(54) COSMETIC COMPOSITION CONTAINING GLYCYRRHETINIC ACID
(73) Beiersdorf AG
(72) ZANFORLIN TREDE, Lucia
STEIKERT, Claudia
BLOHM, Alexandra
(31) 102009032245
(32) 06.07.2009
(33) Germany

(51) A61Q 19/00
A61K 8/06
A61K 8/891
A61K 8/02
A61K 8/73
A61K 8/46
(11) EP2866785
(21) EP13809307.5
(47) 11.09.2019
(87) IB2013055226
03.01.2014
(22) 25.06.2013
(54) DISPERSIBLE MOIST WIPE WITH EMULSION FOR PREVENTION OF SKIN IRRITATION
(73) Kimberly-Clark Worldwide, Inc.
(72) MUNDSCHAU, Stacy, Averic
KIEFFER, Philip, Eugene
CUNNINGHAM, Corey, Thomas
KASPER, Robert, E.
(31) 201261666463 P
201313923912
(32) 29.06.2012
21.06.2013
(33) United States of America
United States of America

(51) A61Q 19/08
A61Q 17/04
A61K 8/9789
A61K 8/37
A61K 8/49
A61K 36/486
(11) EP3325103
(21) EP16745672.2
(47) 11.09.2019
(87) EP2016067600
26.01.2017
(22) 22.07.2016
(54) PROCESS FOR PONGAMOL ENRICHMENT OF KARANJA OIL
(73) Biosynthis
(72) BERNOUD, Thierry
PICCIRILLI, Antoine
MAGNE, Julien
(31) 1556973
(32) 22.07.2015
(33) France

(51) A62B 18/08
F16L 11/118
F16L 11/127
F16L 11/22
A61M 16/08
(11) EP3126012
(21) EP15716458.3
(47) 11.09.2019
(87) EP2015057049
08.10.2015
(22) 31.03.2015
(54) HOSE DEVICE FOR A BREATHING APPARATUS
(73) MSA Europe GmbH
(72) KUBA, Thomas
WEBER, Wolfgang
(31) 102014206508
(32) 04.04.2014
(33) Germany

(51) A62B 35/00
F16B 45/02
(11) EP3369460
(21) EP18159648.7
(47) 11.09.2019
(22) 02.03.2018
(54) SLIDING ELEMENT FOR SECURITY SYSTEMS AND SECURITY SYSTEM
(73) Rotho Blaas srl GmbH
(72) Röggla, Jürgen
Weiss, Valentin
(31) 201700024039
(32) 03.03.2017
(33) Italy

(51) A62C 35/00
A62C 37/00
G08B 13/19
G08B 13/193
G08B 17/12
(11) EP2730316
(21) EP13005049.5
(47) 11.09.2019
(22) 22.10.2013
(54) Optical detector device for fire detection
(73) KIDDE-DEUGRA Brandschutzsysteme GmbH
(72) Gondolf, Klaus
Lang, Frank
Zielke, Stefan
(31) 102012022051
(32) 09.11.2012
(33) Germany

(51) A62C 99/00
(11) EP3184152
(21) EP15201906.3
(47) 11.09.2019
(22) 22.12.2015
(54) OXYGEN REDUCTION SYSTEM AND METHOD FOR OPERATING AN OXYGEN REDUCTION SYSTEM
(73) Amrona AG
(72) Wagner, Ernst-Werner
Eichhoff, Julian

(51) A63B 23/18
(11) EP2542313
(21) EP11751056.0
(47) 11.09.2019
(87) US2011024632
09.09.2011
(22) 11.02.2011
(54) OXYGEN TRAINER DEVICE
(73) Rutten, Bas
(72) Rutten, Bas
(31) 714703
(32) 01.03.2010
(33) United States of America

(51) A63B 37/00
(11) EP3028748
(21) EP14852576.9
(47) 11.09.2019
(87) JP2014076793
16.04.2015
(22) 07.10.2014
(54) GOLF BALL
(73) Sumitomo Rubber Industries, Ltd.
(72) ISOGAWA, Kasuhiko
TACHIBANA, Kosuke
(31) 2013210823
(32) 08.10.2013
(33) Japan

(51) A63B 49/02
A63B 49/10
A63B 49/12
A63B 102/02
(11) EP3016721
(21) EP14745093.6
(47) 11.09.2019
(87) EP2014064300
08.01.2015
(22) 04.07.2014
(54) RACKET OR CLUB CONSISTING OF MAGNESIUM
(73) Head Technology GmbH
(72) LAU, Daniel
ROSENKRANZ, Harald
SCHWENGER, Ralf
(31) 102013011174
(32) 04.07.2013
(33) Germany

(51) A63B 71/06
(11) EP2726164
(21) EP12759812.6
(47) 11.09.2019
(87) IB2012001441
03.01.2013
(22) 28.06.2012
(54) AUGMENTED-REALITY RANGE-OF-MOTION THERAPY SYSTEM AND METHOD OF OPERATION THEREOF
(73) Orange
(72) ODESSKY, Adam
CLARK, Rashid
(31) 201161503364 P
(32) 30.06.2011
(33) United States of America

(51) A63C 5/12
A63C 5/056
(11) EP3248660
(21) EP17171561.8
(47) 11.09.2019
(22) 17.05.2017
(54) PCM LAYER NEAR THE RUNNING SURFACE IN THE COMPOSITE STRUCTURE OF A GLIDE BOARD (SKI)
(73) Smartpolymer GmbH
(72) REDLINGSHÖFER, Benjamin
GEIßENHÖNER, Martin
RIEDE, Sabine
(31) 102016006159
(32) 23.05.2016
(33) Germany

(51) A63H 1/00
A63H 1/18
A63H 33/26
(11) EP3078400
(21) EP15839135.9
(47) 11.09.2019
(87) CN2015082916
04.08.2016
(22) 30.06.2015
(54) COMBINED-TYPE SPINNING TOP SEPARATED THROUGH INDUCTION CONTROL
(73) Guangdong Alpha Animation & Culture Co., Ltd.
Guangdong Auldey Animation & Toy Co., Ltd.
Guangzhou Alpha Culture Communications Co., Ltd.
(72) CAI, Dongqing
(31) 201510049194
(32) 31.01.2015
(33) China

(51) A63H 27/10
A63J 99/00
F21S 10/06
(11) EP3263198
(21) EP17176954.0
(47) 11.09.2019
(22) 20.06.2017
(54) DISCO BALL
(73) Mittelberger, Rafael
(72) Mittelberger, Rafael
(31) 102016111760
(32) 27.06.2016
(33) Germany

(51) B01D 3/00
B01D 3/14
B01D 3/36
(11) EP2089130
(21) EP07819126.9
(47) 11.09.2019
(87) EP2007009061
24.04.2008
(22) 18.10.2007
(54) INSTALLATION FOR THE DISTILLATION OF ALCOHOL, ESPECIALLY ETHYL ALCOHOL, FROM FERMENTED MASH
(73) GEA Wiegand GmbH
(72) BETHGE, Daniel
HILDENBRAND, Paul
(31) 102006049173
(32) 18.10.2006
(33) Germany

(51) B01D 3/02
C12P 7/06
B01D 3/00
(11) EP3030331
(21) EP14834039.1
(47) 11.09.2019
(87) IN2014000448
12.02.2015
(22) 04.07.2014
(54) PRODUCTION OF ETHANOL BY EVAPORATIVE DISTILLATION
(73) Praj Industries Limited
(72) GHANSHAM BABURAO DESHPANDE
SHRIKANT SUBHASH RATHI
DEVDATTA KRISHNA DESHPANDE
PRASANNA SHAM PAI
PANDURANG RAM SHINDE
(31) 2620MU2013
(32) 08.08.2013
(33) India

(51) B01D 3/08
B01D 53/14
B01D 53/18
B01D 53/40
B01D 53/48
B01D 53/52
B01D 53/62
B01D 53/78
B01D 53/96
(11) EP3068510
(21) EP13895964.8
(47) 11.09.2019
(87) NO2013050178
30.04.2015
(22) 22.10.2013
(54) SYSTEM AND PROCESS FOR ABSORPTION AND DESORPTION OF CO2
(73) Compact Carbon Capture AS
(72) FIVELAND, Torbjørn
ANDERSEN, Henrik Solgaard

(51) B01D 3/12
B01D 3/08
F16L 37/12
(11) EP3171955
(21) EP15744890.3
(47) 11.09.2019
(87) EP2015066058
28.01.2016
(22) 14.07.2015
(54) ROTARY EVAPORATOR HAVING A FASTENING DEVICE WITH CLAMPING ELEMENTS
(73) Hans Heidolph GmbH
(72) DIL, Roman
(31) 102014110343
(32) 22.07.2014
(33) Germany

(51) B01D 17/032
B01D 21/24
B01D 17/02
E02B 7/44
(11) EP3308843
(21) EP16891009.9
(47) 11.09.2019
(87) CN2016074535
31.08.2017
(22) 25.02.2016
(54) FLOATING WEIR SKIMMER
(73) Dalian Yooqi Water Treatment Technology Co., Ltd.
(72) XU, Yin

(51) B01D 17/04
B03C 11/00
C02F 1/40
C02F 1/463
C02F 1/48
C02F 101/32
C02F 103/10
B01D 17/02
B01D 17/06
(11) EP3383517
(21) EP16810199.6
(47) 11.09.2019
(87) US2016063627

08.06.2017
(22) 23.11.2016
(54) ELECTROSTATIC SEPARATOR AND SEPARATION METHOD FOR SUBSEA APPLICATIONS
(73) Cameron Solutions, Inc.
(72) MANDEWALKAR, Pavankumar, S.
SAMS, Gary, W.
(31) 201514959809
(32) 04.12.2015
(33) United States of America

(51) B01D 17/04
C02F 101/32
C02F 1/24
B01D 17/02
B03D 1/14
B03D 1/24
(11) EP2931401
(21) EP13805492.9
(47) 11.09.2019
(87) GB2013053235
19.06.2014
(22) 09.12.2013
(54) FLOTATION APPARATUS
(73) Enhydra Ltd
(72) LLOYD, David Douglas
(31) 201222483
(32) 13.12.2012
(33) United Kingdom

(51) B01D 45/00
B01D 17/02
E21B 43/36
(11) EP2877264
(21) EP13823576.7
(47) 11.09.2019
(87) US2013039089
30.01.2014
(22) 01.05.2013
(54) MULTIPHASE SEPARATION SYSTEM
(73) ExxonMobil Upstream Research Company
(72) GRAVE, Edward J.
BYMASTER, Adam S.
FOWLER, Tracy A.
(31) 201261676753 P
(32) 27.07.2012
(33) United States of America

(51) B01D 45/08
F02M 35/022
F01M 13/04
(11) EP3174614
(21) EP15739540.1
(47) 11.09.2019
(87) EP2015065844
04.02.2016
(22) 10.07.2015
(54) CASCADE IMPACTOR
(73) POLYTEC PLASTICS Germany GmbH & Co. KG
(72) JANSSEN, Hans
MEYER, Christian
LESON, Christoph
(31) 102014214973
(32) 30.07.2014
(33) Germany

(51) B01D 46/00
B01D 46/24
B01D 29/96
(11) EP3124094
(21) EP16174919.7
(47) 11.09.2019
(22) 17.06.2016
(54) FILTER ASSEMBLY
(73) Pall Corporation
(72) TILL, James G.
MACGREGOR, Samuel
GUNZI, Christopher C.
MUNN, Anthony J.
(31) 201514809443
(32) 27.07.2015
(33) United States of America

(51) B01D 46/48
B01D 46/00
B01D 46/10
B01D 46/24
B01D 46/52
B05B 13/04
B05B 14/43
(11) EP2636455
(21) EP13170457.9
(47) 11.09.2019
(22) 12.02.2009
(54) Device and method for separating liquid coating overspray
(73) Dürr Systems AG
(72) Weschke, Jürgen
(31) 102008010189
(32) 20.02.2008
(33) Germany

(51) B01D 53/04
B01D 53/26
B60T 17/00
F26B 21/08
(11) EP3221029
(21) EP15798358.6
(47) 11.09.2019
(87) EP2015076496
26.05.2016
(22) 13.11.2015
(54) DESICCANT CARTRIDGE
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) SCHNITTGER, Karsten
(31) 102014116804
(32) 17.11.2014
(33) Germany

(51) B01D 53/14
(11) EP3020463
(21) EP15177031.0
(47) 11.09.2019
(22) 16.07.2015
(54) CARBON DIOXIDE CAPTURE APPARATUS AND METHOD OF CAPTURING CARBON DIOXIDE
(73) Kabushiki Kaisha Toshiba
(72) Chiba, Noriko
Hodotsuka, Masatoshi
Egami, Norihide
(31) 2014231751
(32) 14.11.2014
(33) Japan

(51) B01D 53/14
(11) EP3037152
(21) EP15173631.1
(47) 11.09.2019
(22) 24.06.2015
(54) CARBON DIOXIDE CAPTURING SYSTEM AND METHOD OF OPERATING THE SAME
(73) Toshiba Plant Systems & Services Corporation
Toshiba Energy Systems & Solutions Corporation
(72) Udatsu, Mitsuru
Kashimoto, Satoru
Hodotsuka, Masatoshi
Kitamura, Hideo
Oohashi, Yukio
Saito, Satoshi
(31) 2014246716
(32) 05.12.2014
(33) Japan

(51) B01D 53/14
B01D 53/40
B01D 53/48
B01D 53/62
B01D 53/96
(11) EP2819767
(21) EP13754159.5
(47) 11.09.2019
(87) US2013028660
06.09.2013
(22) 01.03.2013
(54) REGENERABLE SOLVENT MIXTURES FOR ACID-GAS SEPARATION
(73) Research Triangle Institute
(72) LAIL, Marty
COLEMAN, Luke
(31) 201261606057 P
(32) 02.03.2012
(33) United States of America

(51) B01D 53/14
B01D 53/64
B01D 53/48
B01D 53/78
B01D 53/50
(11) EP3272409
(21) EP17184510.0
(47) 11.09.2019
(22) 18.10.2013
(54) METHOD OF CONTROLLING MERCURY EMISSION
(73) Nalco Company
(72) KEISER, Bruce A.
SHAH, Jietendra
MEIER, John V.
DORNER, Robert W.
YUAN, Jianwei
STILES, Rebecca
CARLSON, Wayne
MLAMBO, Darlington
(31) 201213657484
(32) 22.10.2012
(33) United States of America

(51) B01D 53/14
B01J 23/44
B01J 23/50
B01J 23/75
B01J 29/068
(11) EP2799134
(21) EP12854005.1
(47) 11.09.2019
(87) JP2012080340
06.06.2013

(22) 22.11.2012
(54) DEVICE, METHOD AND USE INVOLVING A CO2 DESORPTION CATALYST
(73) The Kansai Electric Power Co., Inc.
(72) DEGUCHI, Hiroshi
WATANABE, Tsunenori
YAGI, Yasuyuki
(31) 2011260742
(32) 29.11.2011
(33) Japan

(51) B01F 5/00
B01F 3/02
B01F 3/04
B01F 3/08
B01F 5/06
(11) EP2656907
(21) EP11850423.2
(47) 11.09.2019
(87) JP2011079637
28.06.2012
(22) 21.12.2011
(54) FLUID MIXER AND FLUID MIXING METHOD
(73) Institute of National Colleges of Technology, Japan
(72) HATA Takashi
(31) 2010285833
2011167100
(32) 22.12.2010
29.07.2011
(33) Japan
Japan

(51) B01F 5/04
B01F 5/06
B01F 15/06
C08G 18/83
C09J 5/06
C09J 175/04
C08G 65/336
B05D 1/26
B05D 1/34
B05C 5/02
B05C 11/10
(11) EP2886201
(21) EP14199355.0
(47) 11.09.2019
(22) 19.12.2014
(54) Method for hot application of a silylated adhesive composition
(73) BOSTIK SA
(72) Chartrel, Jean François
Laferte, Olivier
Lalouch, Lahoussaine
(31) 1363079
(32) 19.12.2013
(33) France

(51) B01J 2/00
B01J 2/16
(11) EP2475455
(21) EP10742817.9
(47) 11.09.2019
(87) EP2010061620
17.03.2011
(22) 10.08.2010
(54) PROCESS FOR PRODUCING GRANULES
(73) Stamicarbon B.V.
(72) ROOS, Willem, Frederik
BUITINK, Fredericus, Henricus, Maria
(31) 09169913
(32) 10.09.2009
(33) European Patent Office (EPO)

(51) B01J 13/14
C11D 3/50
(11) EP2832441
(21) EP14178730.9
(47) 11.09.2019
(22) 28.07.2014
(54) MICROCAPSULES
(73) Takasago International Corporation
(72) Warr, Jonathan
Ribaut, Tiphaine
Anthony, Olivier
Fraser, Stuart
(31) 13306095
(32) 29.07.2013
(33) European Patent Office (EPO)

(51) B01J 19/18
H01M 4/02
H01M 4/13
G01B 9/04
B01J 19/10
B01J 8/10
B01J 19/00
B01J 8/20
G01B 15/08
(11) EP2735366
(21) EP12815539.7
(47) 11.09.2019
(87) KR2012000380
24.01.2013
(22) 17.01.2012
(54) ALL-IN-ONE-TYPE CONTINUOUS REACTOR FOR MANUFACTURING A POSITIVE ELECTRODE ACTIVE MATERIAL FOR A LITHIUM SECONDARY BATTERY, AND CRYSTAL SEPARATION APPARATUS COMPRISING SAME
(73) Laminar Co., Ltd.
(72) HONG, Jong Pal
LEE, Hee Wan
LEE, Kyung Woo
CHO, Eun Jeong
(31) 20110071775
(32) 20.07.2011
(33) Korea (Republic)

(51) B01J 20/20
B01J 20/30
B01J 20/28
C01B 32/336
C01B 32/342
(11) EP3389849
(21) EP16809768.1
(47) 11.09.2019
(87) EP2016080177
22.06.2017
(22) 08.12.2016
(54) METHOD FOR FURTHER PROCESSING OF A CARBON RAW MATERIAL
(73) BASF SE
(72) RUDOLF, Peter
SCHWAB, Matthias Georg
BARTULI, Waldemar
(31) 15201206
(32) 18.12.2015
(33) European Patent Office (EPO)

(51) B01J 20/22
B01J 20/32
B01J 20/28
B01J 20/30
B01D 53/72
(11) EP3317011
(21) EP16738220.9
(47) 11.09.2019
(87) IB2016053598
05.01.2017
(22) 17.06.2016
(54) A CHEMICAL FORMALDEHYDE FILTER
(73) Koninklijke Philips N.V.
(72) KE, Rui
WEI, Huibin
SU, Jing
(31) PCT/CN2015/082920
(32) 30.06.2015
(33) World Intellectual Property Office (WIPO)

(51) B01J 20/28
B01J 20/286
B01J 20/10
G01N 30/50
(11) EP3017866
(21) EP14290332.7
(47) 11.09.2019
(22) 05.11.2014
(54) Method for producing a silica-based stationary phase for a chromatography column
(73) Geoservices Equipements SAS
La Société des Amis de l'École Supérieure de Physique et Chimie Industrielles de la Ville de Paris
(72) Breviere, Jerôme
Fleury, Joachim
Vial, Jerome
Thiebaut, Didier
Essoussi, Anouar
Azzouz, Imadeddine
Danaie, Kamran

(51) B01J 23/44
B01J 37/02
(11) EP2474354
(21) EP11290529.4
(47) 11.09.2019
(22) 17.11.2011
(54) NOVEL METHOD FOR PREPARING PALLADIUM-BASED CATALYSTS AND USE OF SAID CATALYSTS IN SELECTIVE HYDROGENATION
(73) IFP Energies nouvelles
(72) Fecant, Antoine
(31) 1004878
(32) 14.12.2010
(33) France

(51) B01J 23/46
B01J 38/04
C07C 5/10
C07C 51/36
C07C 67/303
(11) EP2049253
(21) EP07787686.0
(47) 11.09.2019
(87) EP2007057428
07.02.2008
(22) 18.07.2007

(54) integrated process comprising dehydration using ruthenium catalysts and regneration thereof
(73) BASF SE
(72) HENKELMANN, Jochem
BECKER, Michael
MIRK, Daniela
RICHTER, Felix
SCHÄFER, Thomas
(31) 06118206
(32) 31.07.2006
(33) European Patent Office (EPO)

(51) B01J 23/755
B22F 1/00
B22F 9/24
B01J 35/02
H01B 1/02
(11) EP2919238
(21) EP12888165.3
(47) 11.09.2019
(87) JP2012079031
15.05.2014
(22) 08.11.2012
(54) FINE METAL PARTICLES PROVIDED WITH PROJECTIONS
(73) M Technique Co., Ltd.
(72) MAEKAWA Masaki
ENOMURA Masakazu

(51) B01J 27/02
B01J 23/00
C02F 11/06
C02F 1/72
B01J 23/72
B01J 23/75
B01J 29/14
C02F 1/66
C02F 11/08
C02F 103/36
C02F 101/10
(11) EP3140035
(21) EP15789237.3
(47) 11.09.2019
(87) IB2015053304
12.11.2015
(22) 06.05.2015
(54) REMOVAL OF SULFIDES IN SPENT CAUSTIC STREAM OVER ACTIVE SOLID PHASE CATALYSTS
(73) Hindustan Petroleum Corporation Ltd.
(72) KANAPARTHI, Ramesh
RAO, Peddy Venkata Chalapathi
VENKATESWARLU, Choudary, Nettem
GANDHAM, Sriganesh
(31) 1599MU2014
(32) 08.05.2014
(33) India

(51) B01J 29/85
C01B 39/54
C07C 1/20
(11) EP2021126
(21) EP07752610.1
(47) 11.09.2019
(87) US2007005923
15.11.2007
(22) 07.03.2007
(54) METHOD OF SYNTHESIZING ALUMINOPHOSPHATE AND SILICOALUMINOPHOSPHATE MOLECULAR SIEVES
(73) ExxonMobil Chemical Patents Inc.
(72) MERTENS, Machteld, M.
COLLE, Thomas, H.
(31) 794863 P
794622 P
845096 P
(32) 25.04.2006
25.04.2006
15.09.2006
(33) United States of America
United States of America
United States of America

(51) B01J 29/86
C01B 39/12
C01B 39/48
(11) EP3165281
(21) EP16197927.3
(47) 11.09.2019
(22) 09.11.2016
(54) A PROCESS FOR PRODUCING A MOLECULAR SIEVE HAVING THE SFE STRUCTURE, A MOLECULAR SIEVE HAVING THE SFE STRUCTURE AND USE THEREOF
(73) China Petroleum & Chemical Corporation
Shanghai Research Institute of Petrochemical Technology, SINOPEC
(72) Yang, Weimin
Wang, Zhendong
Sun, Hongmin
Zhang, Bin
Luo, Yi
(31) 201510753821
(32) 09.11.2015
(33) China

(51) B01J 35/00
B01J 23/22
B01J 27/198
C07C 51/265
C07C 51/31
C07C 63/16
(11) EP1853386
(21) EP06707386.6
(47) 11.09.2019
(87) EP2006001915
08.09.2006
(22) 02.03.2006
(54) PROCESS FOR PRODUCING PHTHALIC ANHYDRIDE USING A MULTI-LAYER CATALYST
(73) Süd-Chemie IP GmbH & Co. KG
(72) GÜCKEL, Christian
DIALER, Harald
ESTENFELDER, Marvin
PITSCHI, Werner
(31) 102005009473
(32) 02.03.2005
(33) Germany

(51) B01J 35/00
B01J 35/02
B01J 35/10
H01M 4/90
B22F 1/00
B22F 1/02
C25B 3/04
C25B 1/00
C25B 11/04
C25B 11/00
B01J 37/08
B01J 23/02
B01J 23/10
B01J 27/12
B01J 27/138
C25B 11/03
C25B 9/06
B82Y 30/00
(11) EP3363542
(21) EP18157111.8
(47) 11.09.2019
(22) 16.02.2018
(54) METHOD FOR PRODUCING CORE SHELL NANOPARTICLES
(73) HONDA MOTOR CO., LTD.
(72) HAWN CHOU, Nam
(31) 201762459933 P
201815893220
(32) 16.02.2017
09.02.2018
(33) United States of America
United States of America

(51) B01J 41/07
B01J 41/14
B01J 47/016
G21F 9/12
C02F 1/42
C02F 101/10
C02F 103/02
(11) EP3319726
(21) EP16736090.8
(47) 11.09.2019
(87) EP2016065841
12.01.2017
(22) 05.07.2016
(54) CESIUM-SELECTIVE RESINS
(73) LANXESS Deutschland GmbH
(72) KOOP, Bernd
KLIPPER, Reinhold
NEUMANN, Stefan
VANHOORNE, Pierre
BARBIER, Jenny
YANG, Tian,Lei
(31) 15175385
(32) 06.07.2015
(33) European Patent Office (EPO)

(51) B01L 1/00
B67C 11/02
B01L 9/02
B01L 3/00
B67C 11/00
(11) EP3395444
(21) EP18160015.6
(47) 11.09.2019
(22) 05.03.2018
(54) DEVICE FOR RECEIVING HAZARDOUS MATERIALS
(73) Düperthal Sicherheitstechnik GmbH & Co.KG
(72) BACKHAUS, Frank
(31) 202017102440 U
(32) 25.04.2017
(33) Germany

(51) B01L 3/00
(11) EP3151966
(21) EP15794988.4

(47) 11.09.2019
(87) US2015034624
17.12.2015
(22) 08.06.2015
(54) ASSAY DEVICES AND METHOD OF DETECTING A TARGET ANALYTE
(73) 3M Innovative Properties Company
(72) ROSCOE, Stephen B.
KANG, Myungchan
BRUTINEL, Evan D.
MILLER, Jesse D.
CLINE, Renee K.
DAI, Minghua
LIU, Hsi-Chou
(31) 201462009602 P
(32) 09.06.2014
(33) United States of America

(51) B01L 3/00
B01L 9/06
B01L 3/14
G01N 35/00
(11) EP2482980
(21) EP09748055.2
(47) 11.09.2019
(87) EP2009062777
07.04.2011
(22) 01.10.2009
(54) LIQUID ANALYSIS SYSTEM
(73) Hach Lange GmbH
(72) RÜECK, Gabriel
GUTHMANN, Helga
BERSSEN, Johannes
ZIEDRICH, Michael
SCHULZ, Carsten
HANSCHKE, Clemens
ENGEL, Florens
ZANGENBERG, Dietmar
LENHARD, Markus
COERPER, Thomas

(51) B01L 3/00
B03C 1/00
(11) EP2964360
(21) EP14760955.6
(47) 11.09.2019
(87) US2014022187
12.09.2014
(22) 08.03.2014
(54) DEVICES, SYSTEMS, AND METHODS FOR ACOUSTICALLY -ENHANCED MAGNETOPHORESIS
(73) Duke University
(72) LOPEZ, Gabriel, P.
GAO, Lu
YELLEN, Benjamin, B.
MURDOCH, David, M.
(31) 201361775114 P
(32) 08.03.2013
(33) United States of America

(51) B01L 9/00
B01L 7/00
(11) EP3377227
(21) EP16801009.8
(47) 11.09.2019
(87) GB2016053568
26.05.2017
(22) 15.11.2016
(54) APPARATUS FOR CONDUCTING AN ASSAY
(73) Mast Group Limited
(72) WILLIAMS, David
ROSE, Howard
WONG, Ken
(31) 201520193
(32) 16.11.2015
(33) United Kingdom

(51) B02C 18/06
B02C 18/24
F16J 15/34
(11) EP3434374
(21) EP17425067.0
(47) 11.09.2019
(22) 27.06.2017
(54) PROCESSING UNIT FOR FOOD OR PHARMACEUTICAL PRODUCTS
(73) Chiaramello, Francesco
Chiaramello, Giovanni
Chiaramello, Luciano
Chiaramello, Flavio
Chiaramello, Orlando
(72) Chiaramello, Francesco
Chiaramello, Giovanni
Chiaramello, Luciano
Chiaramello, Flavio
Chiaramello, Orlando

(51) B02C 18/14
B02C 18/24
B02C 4/08
(11) EP3248687
(21) EP16170895.3
(47) 11.09.2019
(22) 23.05.2016
(54) TWO-SHAFT SHREDDER HAVING QUICK CHANGE DEVICE
(73) Lindner, Manuel
(72) LINDNER, Manuel
SCHIFFER, Peter
FRITZ, Mario

(51) B02C 19/18
B02C 23/12
B02C 23/36
(11) EP3261768
(21) EP15710416.7
(47) 11.09.2019
(87) CH2015000032
01.09.2016
(22) 27.02.2015
(54) METHOD AND DEVICE FOR FRAGMENTING AND/OR WEAKENING POURABLE MATERIAL BY MEANS OF HIGH-VOLTAGE DISCHARGE
(73) Selfrag AG
(72) MÜLLER-SIEBERT, Reinhard
KOLLY, Joël

(51) B04C 5/08
C02F 1/38
C02F 1/48
F24D 19/00
F16L 55/24
B03C 1/033
B03C 1/28
B04C 5/12
B04C 9/00
(11) EP3468721
(21) EP17740089.2
(47) 11.09.2019
(87) IB2017053226
21.12.2017
(22) 01.06.2017
(54) FILTER ASSEMBLY FOR HEATING PLANTS AND THE LIKE
(73) Giacomini S.p.A.
(72) ROSA BRUSIN, Marco
MOLINA, Samuele
BIZZO, Mauro
(31) UA20164363
(32) 14.06.2016
(33) Italy

(51) B05B 7/06
B05B 7/08
B05B 7/02
(11) EP2576079
(21) EP11723182.9
(47) 11.09.2019
(87) EP2011002544
01.12.2011
(22) 21.05.2011
(54) NOZZLE HEAD FOR A SPRAY GUN
(73) SATA GmbH & Co. KG
(72) SCHMON, Ewald
DETTLAFF, Peter
(31) 202010007355 U
(32) 28.05.2010
(33) Germany

(51) B05B 11/02
A61M 5/32
B21G 1/08
(11) EP3233296
(21) EP15828346.5
(47) 11.09.2019
(87) FR2015053543
23.06.2016
(22) 16.12.2015
(54) DEVICE FOR DISPENSING A FLUID PRODUCT
(73) Aptar France SAS
(72) PETIT, Ludovic
(31) 1462489
(32) 16.12.2014
(33) France

(51) B05C 1/00
B05D 5/12
H05K 3/46
H05K 3/38
H05K 3/40
(11) EP2114579
(21) EP07863298.1
(47) 11.09.2019
(87) US2007026460
04.09.2008
(22) 28.12.2007
(54) METHODS TO PRODUCE HIGH DENSITY, MULTILAYER PRINTED WIRING BOARDS FROM PARALLEL-FABRICATED CIRCUITS AND FILLED VIAS
(73) Ormet Circuits, Inc.
(72) HOLCOMB, Ken
(31) 883114 P
(32) 02.01.2007
(33) United States of America

(51) B05C 1/10
A23G 3/02
B01J 2/26
B29B 9/10

B05C 1/00
B29B 13/04
B01J 2/20
(11) EP3317007
(21) EP16734248.4
(47) 11.09.2019
(87) EP2016064777
05.01.2017
(22) 27.06.2016
(54) DEVICE AND METHOD FOR DRIPPING A FLOWABLE PRODUCT
(73) IPCO Germany GmbH
(72) ROTH, Bernhard
(31) 102015212353
(32) 01.07.2015
(33) Germany

(51) B05D 1/02
C09D 11/10
B32B 27/30
C09D 11/101
(11) EP2945755
(21) EP14748678.1
(47) 11.09.2019
(87) US2014013129
14.08.2014
(22) 27.01.2014
(54) DIGITAL PRINTING INKS
(73) Sun Chemical Corporation
(72) HERLIHY, Shaun, Lawrence
WILBER, Jason
HALL, Stephen, Anthony
ROWATT, Brian
(31) 201361761318 P
(32) 06.02.2013
(33) United States of America

(51) B05D 5/08
C09D 127/18
C08L 27/18
B05D 7/00
(11) EP3357587
(21) EP17155014.8
(47) 11.09.2019
(22) 07.02.2017
(54) NON-STICK COATING
(73) Industrielack AG
(72) BRAND, Jörg
GEISEL, Hans Georg

(51) B06B 1/06
A61B 17/32
(11) EP3199250
(21) EP15843669.1
(47) 11.09.2019
(87) JP2015069762
31.03.2016
(22) 09.07.2015
(54) VIBRATION-GENERATING UNIT, VIBRATION COMPONENT UNIT, AND ULTRASONIC WAVE PROCESSING IMPLEMENT
(73) OLYMPUS CORPORATION
(72) YAMADA, Masashi
(31) 2014192984
(32) 22.09.2014
(33) Japan

(51) B07C 3/08
(11) EP3183071
(21) EP15744547.9
(47) 11.09.2019
(87) EP2015067277
25.02.2016
(22) 28.07.2015
(54) DEVICE AND METHOD FOR SORTING OBJECTS
(73) Siemens Aktiengesellschaft
(72) HASELBERGER, Nikolaus
BERDELLE-HILGE, Peter
(31) 102014216697
(32) 22.08.2014
(33) Germany

(51) B08B 1/00
B08B 1/04
B08B 9/00
B08B 5/02
(11) EP3455001
(21) EP17725318.4
(47) 11.09.2019
(87) FR2017051005
16.11.2017
(22) 28.04.2017
(54) CLEANING DEVICE FOR THE WALL SURFACES OF A GASKET GROOVE
(73) PXL Seals
(72) DE GELIS, Christian
(31) 1654196
(32) 11.05.2016
(33) France

(51) B08B 3/02
B08B 5/02
B05B 1/14
B05B 3/04
B05B 3/06
B05B 1/20
B05B 15/68
(11) EP3380256
(21) EP16867435.6
(47) 11.09.2019
(87) AT2016060113
01.06.2017
(22) 22.11.2016
(54) DEVICE FOR CLEANING OBJECTS
(73) Ka Group Management GmbH
(72) KNOTH-BAMBULE, Rudolf
(31) 510072015
(32) 25.11.2015
(33) Austria

(51) B08B 15/00
F24F 7/06
F24F 7/10
F24F 3/16
F24F 110/68
F24F 1/0041
F24F 7/00
E04B 1/62
E04B 2/00
E02D 31/00
(11) EP2964848
(21) EP14761070.3
(47) 11.09.2019
(87) CA2014050198
12.09.2014
(22) 07.03.2014
(54) RADON GAS MITIGATION SYSTEMS AND APPARATUS
(73) Terra Vent Systems Inc.
(72) FOX, Randi
(31) 201361775203 P
(32) 08.03.2013
(33) United States of America

(51) B09B 1/00
F24S 20/64
F24S 25/20
F24S 25/33
F24S 25/67
F24S 80/70
H02S 30/10
(11) EP2770271
(21) EP13156215.9
(47) 11.09.2019
(22) 21.02.2013
(54) Surface construction
(73) HaskoningDHV Nederland B.V.
(72) Steenhof, Vincent

(51) B09B 3/00
B09B 5/00
C22B 1/00
C22B 7/00
C22B 21/00
G01N 23/222
G01N 23/223
G01N 21/71
B07C 5/00
B07C 5/34
C22C 21/00
B07C 5/346
(11) EP3393687
(21) EP16823270.0
(47) 11.09.2019
(87) EP2016082112
29.06.2017
(22) 21.12.2016
(54) METHOD AND DEVICE FOR RECYCLING METAL SCRAPS
(73) Hydro Aluminium Rolled Products GmbH
(72) WIMMER, Michael
GILLNER, Ronald
BAUERSCHLAG, Nils Robert
ROSS, Thomas
(31) 102015122818
(32) 23.12.2015
(33) Germany

(51) B09B 3/00
C02F 11/08
C02F 11/18
C05F 3/00
C05F 7/00
C05F 9/00
(11) EP3434382
(21) EP17183498.9
(47) 11.09.2019
(22) 27.07.2017
(54) FRACTIONAL DEPOSITION OF VALUABLE SUBSTANCES FROM AQUEOUS MULTI-COMPONENT MIXTURES
(73) iGas energy GmbH
(72) Lentz, Karl-Heinz

(51) B21B 1/22
B21B 3/00
B23K 35/02
C22C 38/02
C22C 38/06
C22C 38/00
B23K 35/30
C22C 38/08

C22C 38/04
(11) EP3116677
(21) EP14715431.4
(47) 11.09.2019
(87) IB2014059819
17.09.2015
(22) 14.03.2014
(54) IRON-NICKEL ALLOY HAVING IMPROVED WELDABILITY
(73) Aperam
(72) REYDET, Pierre-Louis
JOUVENCEAU, Fanny
PANIER, Roland

(51) B21B 27/02
B21B 1/088
(11) EP3260210
(21) EP16764860.9
(47) 11.09.2019
(87) JP2016057647
22.09.2016
(22) 10.03.2016
(54) H-SHAPED STEEL PRODUCTION METHOD
(73) Nippon Steel Corporation
(72) YAMASHITA, Hiroshi
(31) 2015056638
(32) 19.03.2015
(33) Japan

(51) B21B 45/08
B21B 37/74
(11) EP3429772
(21) EP17712086.2
(47) 11.09.2019
(87) EP2017056405
21.09.2017
(22) 17.03.2017
(54) DEVICE AND METHOD FOR PRODUCING A WORKPIECE OF A PREDEFINED TYPE
(73) SMS Group GmbH
(72) ANTE, Angela
SCHRÖDER, Jan
FUCHS, Wolfgang
(31) 102016204546
102016204666
102016223721
(32) 18.03.2016
22.03.2016
29.11.2016
(33) Germany
Germany
Germany

(51) B21C 1/00
B60C 15/04
C21D 8/06
D07B 1/06
(11) EP2892665
(21) EP13745047.4
(47) 11.09.2019
(87) EP2013066111
13.03.2014
(22) 31.07.2013
(54) WIRE DRAWING METHOD
(73) Compagnie Générale des Etablissements Michelin
(72) VERLEENE, Arnaud
NOEL, Sébastien
(31) 1258399
(32) 07.09.2012
(33) France

(51) B21D 1/12
B21D 3/00
(11) EP3383562
(21) EP16819530.3
(47) 11.09.2019
(87) EP2016081842
29.06.2017
(22) 20.12.2016
(54) MECHANICAL SPREADING APPARATUS
(73) Carrosserie Technic
(72) SERBES, Haydar
(31) 15201996
(32) 22.12.2015
(33) European Patent Office (EPO)

(51) B21D 22/08
B44B 5/02
(11) EP2638985
(21) EP12159190.3
(47) 11.09.2019
(22) 13.03.2012
(54) Processing tool for processing sheet metal
(73) TRUMPF Werkzeugmaschinen GmbH + Co. KG
(72) Wilhelm, Markus

(51) B21D 22/20
B21D 26/021
B21D 47/00
(11) EP2743013
(21) EP13193610.6
(47) 11.09.2019
(22) 20.11.2013
(54) Forming a shaped sandwich panel with a die and a pressure vessel
(73) Rohr, Inc.
(72) Norris, Brian
(31) 201213715318
(32) 14.12.2012
(33) United States of America

(51) B21D 24/14
F16F 9/02
F16F 9/32
(11) EP3348857
(21) EP18250002.5
(47) 11.09.2019
(22) 11.01.2018
(54) LINEAR ACTUATOR
(73) Metrol Springs Limited
(72) Pegram, Christopher John
Hynes, Paul Terence
(31) 201700561
(32) 12.01.2017
(33) United Kingdom

(51) B21D 28/24
B29C 55/02
B32B 3/10
B32B 3/24
B32B 38/04
(11) EP3242758
(21) EP16735531.2
(47) 11.09.2019
(87) US2016012769
14.07.2016
(22) 09.01.2016
(54) AUXETIC STRUCTURES WITH ANGLED SLOTS IN ENGINEERED PATTERNS FOR CUSTOMIZED NPR BEHAVIOR AND IMPROVED COOLING PERFORMANCE
(73) President and Fellows of Harvard College
Booth-morrison, Christopher
Farhangi, Mehran
Innes, Matthew, Christopher
Schaenzer, Megan
Shanian, Ali
(72) BOOTH-MORRISON, Christopher
FARHANGI, Mehran
INNES, Matthew, Christopher
SCHAENZER, Megan
SHANIAN, Ali
BERTOLDI, Katia
JAVID, Farhad
(31) 201562101840 P
201562118826 P
(32) 09.01.2015
20.02.2015
(33) United States of America
United States of America

(51) B21D 43/22
B21D 28/14
B21D 45/00
(11) EP2893990
(21) EP13835172.1
(47) 11.09.2019
(87) JP2013065020
13.03.2014
(22) 30.05.2013
(54) LAMINATION DEVICE AND LAMINATE PRODUCTION SYSTEM
(73) Hoden Seimitsu Kako Kenkyusho Co., Ltd.
(72) MURATA, Chikara
(31) 2012196822
(32) 07.09.2012
(33) Japan

(51) B21F 11/00
B21F 3/02
B21F 35/00
(11) EP2826572
(21) EP14164046.6
(47) 11.09.2019
(22) 09.04.2014
(54) Spring coiling machine with adjustable cutting device
(73) WAFIOS AG
(72) Sigg, Andreas
(31) 102013207028
(32) 18.04.2013
(33) Germany

(51) B21J 15/02
B21J 15/12
(11) EP3388165
(21) EP18160619.5
(47) 11.09.2019
(22) 08.03.2018
(54) SELF-PIERCING RIVET SETTING DEVICE AND PRODUCTION DEVICE
(73) Robert Bosch GmbH
(72) Woelke, Florian
Karle, Armin
Maul, Steven
Ramsayer, Reiner
Kauth, Christoph

Dieterle, Martin
Philipskoetter, Andre
Nickel, Patrick
(31) 102017205264
(32) 29.03.2017
(33) Germany

(51) B21K 3/04
B21D 11/14
B21J 13/10
B21D 53/78
(11) EP2623229
(21) EP11828931.3
(47) 11.09.2019
(87) JP2011071604
05.04.2012
(22) 22.09.2011
(54) MANUFACTURING METHOD FOR BLADE MATERIAL
(73) Hitachi Metals, Ltd.
(72) SATO, Koji
TOGA, Takashi
WAKAZONO, Yoshihiro
MATSUMOTO, Hideki
SHIGIHARA, Yusuke
(31) 2010215009
(32) 27.09.2010
(33) Japan

(51) B22C 5/04
B01F 7/00
B01F 7/20
B01F 7/16
B01F 13/02
B01F 15/00
B01F 15/02
B01F 3/18
(11) EP3164234
(21) EP14752777.4
(47) 11.09.2019
(87) CZ2014000077
07.01.2016
(22) 07.07.2014
(54) METHOD OF RECLAIMING THE USED FOUNDRY SAND AND EQUIPMENT FOR ITS IMPLEMENTATION
(73) Sand Team spol. s r.o.
(72) BURIAN, Alois
(31) 20140462
(32) 03.07.2014
(33) Czech Republic

(51) B22C 9/00
G01F 11/00
B33Y 30/00
G01F 13/00
B33Y 40/00
B29C 64/153
(11) EP1575864
(21) EP03752701.7
(47) 11.09.2019
(87) DE2003001587
27.11.2003
(22) 16.05.2003
(54) DEVICE FOR FEEDING FLUIDS
(73) voxeljet AG
(72) EDERER, Ingo
HÜHN, Stefan
(31) 10222167
(32) 20.05.2002
(33) Germany

(51) B22C 9/04
B22D 18/04
B22D 18/06
B22D 27/04
B22D 30/00
(11) EP2969306
(21) EP14717561.6
(47) 11.09.2019
(87) US2014023323
02.10.2014
(22) 11.03.2014
(54) METHODS FOR CASTING AGAINST GRAVITY
(73) PCC Structurals, Inc.
(72) BARRETT, James, Raphord
SNOW, Michael
(31) 201313827852
(32) 14.03.2013
(33) United States of America

(51) B22D 11/053
B22D 11/16
(11) EP3104993
(21) EP15711840.7
(47) 11.09.2019
(87) IB2015051074
20.08.2015
(22) 13.02.2015
(54) CONTROL DEVICE FOR OSCILLATING TABLE
(73) Danieli & C. Officine Meccaniche S.p.A.
(72) DE LUCA, Andrea
DEL TEDESCO, Stefano
(31) MI20140223
(32) 14.02.2014
(33) Italy

(51) B22D 11/06
(11) EP2598268
(21) EP11740894.8
(47) 11.09.2019
(87) EP2011063098
09.02.2012
(22) 29.07.2011
(54) MELT CHARGING SYSTEM FOR STRIP CASTING
(73) SMS group GmbH
(72) BAUSCH, Jörg
PÜRLING, Reiner
SCHLÜTER, Jochen
WANS, Jochen
SPITZER, Karl-Heinz
EICHHOLZ, Hellfried
(31) 102010033018
(32) 31.07.2010
(33) Germany

(51) B22D 11/14
B22D 11/08
B22D 18/04
B22D 11/20
B22D 46/00
B22D 11/041
B22D 11/124
B22D 11/16
B22D 11/18
(11) EP3074156
(21) EP14793908.6
(47) 11.09.2019
(87) JP2014077626
04.06.2015
(22) 09.10.2014
(54) PULLING-UP-TYPE CONTINUOUS CASTING APPARATUS AND PULLING-UP-TYPE CONTINUOUS CASTING METHOD
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) SUGIURA, Naoaki
YOKOTA, Yusuke
(31) 2013244005
(32) 26.11.2013
(33) Japan

(51) B22D 17/24
B22D 19/00
F01D 11/12
(11) EP2450130
(21) EP11187956.5
(47) 11.09.2019
(22) 04.11.2011
(54) Die casting of component having integral seal
(73) United Technologies Corporation
(72) Bullied, Steven J.
Verner, Carl R.
Patel, Gaurav M.
(31) 940087
(32) 05.11.2010
(33) United States of America

(51) B22D 29/00
(11) EP3302853
(21) EP16733144.6
(47) 11.09.2019
(87) FR2016051196
08.12.2016
(22) 19.05.2016
(54) METHOD FOR KNOCKING OUT A FOUNDRY CORE, AND METHOD FOR MANUFACTURING BY MOULDING INCLUDING SUCH A METHOD
(73) Safran Aircraft Engines
(72) BALLANT, Didier
FAUVELLIERE, Patrick
KALETA, Vincent
MARGUTTI, Yann
PARLANGE, Jean-Paul
(31) 1554911
(32) 29.05.2015
(33) France

(51) B22D 37/00
B22D 41/06
B22D 39/04
(11) EP3231535
(21) EP16771939.2
(47) 11.09.2019
(87) JP2016054569
06.10.2016
(22) 17.02.2016
(54) MOLTEN METAL POURING DEVICE AND MOLTEN METAL POURING METHOD
(73) Sintokogio, Ltd.
Fujiwa Denki Co., Ltd.
(72) NISHIDA Tadashi
HYODO Toshiyuki
BANNO Koichi
(31) 2015076976
(32) 03.04.2015
(33) Japan

(51) B22F 1/00
B22F 5/00

C22C 33/02
C22C 38/00
C22C 38/18
C22C 38/34
H01F 1/24
H01F 41/02
B22F 3/24
(11) EP3171368
(21) EP15821833.9
(47) 11.09.2019
(87) JP2015070346
21.01.2016
(22) 16.07.2015
(54) METHOD FOR PRODUCING MAGNETIC CORE, MAGNETIC CORE, AND COIL COMPONENT USING SAME
(73) Hitachi Metals, Ltd.
(72) NOGUCHI, Shin
NISHIMURA, Kazunori
MIHARA, Toshio
(31) 2014145871
(32) 16.07.2014
(33) Japan

(51) B22F 3/00
B22F 3/105
B33Y 80/00
B22F 5/10
B33Y 10/00
B29C 67/00
H01M 8/2483
H01M 8/2484
B64C 1/06
B64D 41/00
B29C 64/153
B64D 11/00
H01M 8/2475
(11) EP3336948
(21) EP16204012.5
(47) 11.09.2019
(22) 14.12.2016
(54) METHOD FOR TAILORING AND INTEGRATING A FUEL CELL UNIT INTO A VEHICLE
(73) Airbus Operations GmbH
(72) LINDE, Peter

(51) B22F 3/105
B33Y 50/02
(11) EP3434392
(21) EP17182710.8
(47) 11.09.2019
(22) 24.07.2017
(54) THREE-DIMENSIONAL SHAPING METHOD
(73) Matsuura Machinery Corporation
(72) AMAYA, Kouichi
ISHIMOTO, Kousuke
YAMADA, Takeshi

(51) B22F 3/105
B33Y 50/02
(11) EP3434393
(21) EP17182714.0
(47) 11.09.2019
(22) 24.07.2017
(54) THREE-DIMENSIONAL SHAPING METHOD
(73) Matsuura Machinery Corporation
(72) AMAYA, Kouichi
ISHIMOTO, Kousuke
YAMADA, Takeshi

(51) B22F 9/24
C01D 15/00
C01G 49/00
H01M 4/04
C01B 25/45
H01M 4/58
H01M 4/36
H01M 4/62
H01M 10/052
B82Y 30/00
(11) EP2871160
(21) EP14738037.2
(47) 11.09.2019
(87) KR2014000269
17.07.2014
(22) 09.01.2014
(54) METHOD FOR PREPARING LITHIUM IRON PHOSPHATE NANOPOWDER
(73) LG Chem, Ltd.
(72) JUN, In Kook
CHO, Seung Beom
OH, Myoung Hwan
(31) 20130003032
20130055476
20140002573
(32) 10.01.2013
16.05.2013
08.01.2014
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) B23B 27/14
B23B 51/00
B23C 5/16
C23C 16/38
C23C 16/08
C23C 16/44
C23C 30/00
(11) EP2905100
(21) EP13844314.8
(47) 11.09.2019
(87) JP2013067657
10.04.2014
(22) 27.06.2013
(54) SURFACE-COATED CUTTING TOOL AND METHOD FOR PRODUCING THE SAME
(73) Sumitomo Electric Hardmetal Corp.
(72) PASEUTH, Anongsack
TSUDA, Keiichi
OKUNO, Susumu
KANAOKA, Hideaki
ICHIKAWA, Takahiro
MORIMOTO, Hiroyuki
ITOH, Minoru
(31) 2012220512
(32) 02.10.2012
(33) Japan

(51) B23B 27/16
B23C 5/20
(11) EP2978552
(21) EP14716030.3
(47) 11.09.2019
(87) IL2014050236
02.10.2014
(22) 09.03.2014
(54) RHOMBUS-SHAPED INDEXABLE CUTTING INSERT AND CUTTING TOOL
(73) Iscar Ltd.
(72) HECHT, Gil
(31) 201313850961
(32) 26.03.2013
(33) United States of America

(51) B23B 47/34
(11) EP3319749
(21) EP16736167.4
(47) 11.09.2019
(87) EP2016066119
19.01.2017
(22) 07.07.2016
(54) VIBRATORY SYSTEM WITH AN OSCILLATING PLATE
(73) Université de Bordeaux
Institut Polytechnique de Bordeaux
Centre National de la Recherche Scientifique CNRS
(72) JALLAGEAS, Jérémy
(31) 1556620
(32) 10.07.2015
(33) France

(51) B23D 61/18
B28D 1/12
(11) EP2501513
(21) EP10776374.0
(47) 11.09.2019
(87) EP2010067527
26.05.2011
(22) 16.11.2010
(54) SAWING ROPE
(73) NV Bekaert SA
(72) BAEKELANDT, Tom
GROENEN, Roland
VAN DER LINDEN,Steven
PERSOONE, Peter
(31) 09176164
(32) 17.11.2009
(33) European Patent Office (EPO)

(51) B23D 77/00
B23D 77/02
(11) EP2313227
(21) EP09777398.0
(47) 11.09.2019
(87) EP2009005357
25.02.2010
(22) 23.07.2009
(54) REAMER
(73) MAPAL Fabrik für Präzisionswerkzeuge Dr. Kress KG
(72) GAUGGEL, Heinz
(31) 102008045327
(32) 21.08.2008
(33) Germany

(51) B23F 21/04
B23F 5/16
(11) EP2965847
(21) EP14176367.2
(47) 11.09.2019
(22) 09.07.2014
(54) Cutting insert and power skiving tool
(73) Sandvik Intellectual Property AB
(72) Sjöö, Sture

(51) B23G 5/18
B23G 7/02

(11) EP3471908
(21) EP17739193.5
(47) 11.09.2019
(87) EP2017000808
15.02.2018
(22) 10.07.2017
(54) TOOL TO PRODUCE AN INTERNAL THREAD IN THE PREDRILLED HOLE OF A WORKPIECE
(73) AUDI AG
(72) KOPTON, Peter
(31) 102016009738
(32) 10.08.2016
(33) Germany

(51) B23H 1/02
(11) EP2939781
(21) EP15161566.3
(47) 11.09.2019
(22) 30.03.2015
(54) MACHINING POWER SUPPLY DEVICE FOR ELECTRIC DISCHARGE MACHINE
(73) FANUC CORPORATION
(72) Nakashima, Yasuo
Kawahara, Akiyoshi
(31) 2014094293
(32) 30.04.2014
(33) Japan

(51) B23K 1/00
B60J 1/00
B23K 101/42
(11) EP3315236
(21) EP17194427.5
(47) 11.09.2019
(22) 02.10.2017
(54) RESISTANCE SOLDERING APPARATUS AND METHOD OF USING THE SAME
(73) Aptiv Technologies Limited
(72) ANTAYA, Stephen, C
(31) 201662405527 P
(32) 07.10.2016
(33) United States of America

(51) B23K 9/013
B23K 9/02
B23K 9/095
B23K 9/10
(11) EP3135418
(21) EP16000875.1
(47) 11.09.2019
(22) 31.10.2012
(54) WELDING OR CUTTING SYSTEM, WITH CONTROLLING OF SUCH SYSTEM BY USE OF MOBILE COMMUNICATION DEVICE AS USER INTERFACE
(73) Lincoln Global, Inc.
(72) PETRILLA, Lucian
CHANTRY, Bruce John
MATTHEWS, Thomas
(31) 201113290398
(32) 07.11.2011
(33) United States of America

(51) B23K 9/073
B23K 9/09
B23K 9/095
(11) EP2669037
(21) EP12169976.3
(47) 11.09.2019
(22) 30.05.2012
(54) Welding fumes reduction
(73) EWM AG
(72) Szczesny, Michael

(51) B23K 9/095
B23K 9/10
B23K 9/32
(11) EP3216551
(21) EP17150652.0
(47) 11.09.2019
(22) 09.01.2017
(54) WELDING ACCESSORY, METHOD AND WELDING SYSTEM WITH SUCH WELDING ACCESSORY TO SWITCH A WELD POWER OUTPUT
(73) Illinois Tool Works, Inc.
(72) RYAN, Joseph R.
BYRNE, James A.
ACHTNER, Richard M.
van Bergen SALSICH, Anthony
(31) 201615062775
(32) 07.03.2016
(33) United States of America

(51) B23K 9/32
F23D 14/50
B08B 1/00
(11) EP3283251
(21) EP17730671.9
(47) 11.09.2019
(87) EP2017000692
21.12.2017
(22) 14.06.2017
(54) CLEANING DEVICE
(73) AUDI AG
(72) DENZER, Klaus
(31) 102016007243
(32) 15.06.2016
(33) Germany

(51) B23K 11/11
B23K 11/16
B23K 11/26
(11) EP2739427
(21) EP12759356.4
(47) 11.09.2019
(87) EP2012003003
14.02.2013
(22) 17.07.2012
(54) JOINING OF SHEET MATERIAL HAVING AN INTERMEDIATE SANDWICH LAYER OF THERMOPLASTIC
(73) Volkswagen Aktiengesellschaft
(72) VOIGT, Alexander
GRAUL, Matthias
(31) 102011109708
(32) 06.08.2011
(33) Germany

(51) B23K 26/08
B23K 26/12
B23K 26/34
F01D 5/00
B23P 6/00
(11) EP2858786
(21) EP13728463.4
(47) 11.09.2019
(87) FR2013051118
12.12.2013
(22) 23.05.2013
(54) METHOD FOR THE COMPLETE BUILT UP WELDING OF A JET ENGINE COMPONENT AND TOOL THEREFOR
(73) Safran Aircraft Engines
(72) MOTTIN, Jean-Baptiste
(31) 1255288
(32) 06.06.2012
(33) France

(51) B23K 26/08
B23K 26/38
F21V 5/04
B23K 26/06
B23K 26/073
(11) EP2730363
(21) EP13187860.5
(47) 11.09.2019
(22) 09.10.2013
(54) Optical system and laser processing apparatus
(73) Mitsubishi Heavy Industries Machine Tool Co., Ltd.
(72) Nishitani, Yusuke
Watanabe, Masao
(31) 2012248423
(32) 12.11.2012
(33) Japan

(51) B23K 26/24
B23K 26/10
B23K 26/26
B23K 26/04
B23K 101/34
B23K 103/08
(11) EP2817123
(21) EP13709742.4
(47) 11.09.2019
(87) DE2013100043
29.08.2013
(22) 07.02.2013
(54) METHOD FOR STITCH-WELDING A FRONT FLANGE JOINT
(73) Scansonic MI GmbH
Volkswagen Aktiengesellschaft
(72) HASCHKE, Igor
HINZ, Meinulf
KILIAN, Arwed
WALTER, Steffen
SCHIWY, Sören
HAMMER, Thorge
(31) 102012101355
102012104362
(32) 20.02.2012
21.05.2012
(33) Germany
Germany

(51) B23K 31/02
B29C 65/00
B23K 20/06
B23K 103/18
B23K 103/16
(11) EP3233364
(21) EP15823690.1
(47) 11.09.2019
(87) FR2015053654
23.06.2016
(22) 18.12.2015
(54) ASSEMBLY METHOD BETWEEN A PART MADE OF METAL MATERIAL AND A PART MADE OF ORGANIC

MATRIX COMPOSITE MATERIAL; CORRESPONDING ASSEMBLY
(73) Ecole Centrale De Nantes
Faurecia Automotive Composites
(72) RACINEUX, Guillaume
PRIEM, Didier
LEBRUN, Jean-Michel
AMOSSE, Yannick
KHALIL, Chady
(31) 1462943
(32) 19.12.2014
(33) France

(51) B23K 35/26
B23K 35/02
C22C 13/00
C22C 13/02
(11) EP3062956
(21) EP14856974.2
(47) 11.09.2019
(87) US2014062866
07.05.2015
(22) 29.10.2014
(54) LEAD-FREE, SILVER-FREE SOLDER ALLOYS
(73) Alpha Assembly Solutions Inc.
(72) MURPHY, Michael
PANDHER, Ranjit, S.
(31) 201361898202 P
(32) 31.10.2013
(33) United States of America

(51) B23K 35/40
C22F 1/16
(11) EP2038085
(21) EP07762314.8
(47) 11.09.2019
(87) US2007069636
06.12.2007
(22) 24.05.2007
(54) WIRE WITH FLUX FOR BRAZING AND SOLDERING AND METHOD OF MAKING THE SAME
(73) Bellman-melcor Development, Llc
(72) CAMPBELL, Steven
SCOTT, John
(31) 808416 P
753045
(32) 25.05.2006
24.05.2007
(33) United States of America
United States of America

(51) B23P 6/00
B23Q 9/00
B24B 19/14
F01D 5/00
B24B 19/00
B24B 23/02
B24D 5/06
(11) EP2819806
(21) EP13706354.1
(47) 11.09.2019
(87) US2013025255
06.09.2013
(22) 08.02.2013
(54) IN-SITU AIRFOIL CONTOURING TOOL
(73) General Electric Company
(72) NG, Henry
O'REILLY, Daniel
(31) 201213407302
(32) 28.02.2012
(33) United States of America

(51) B23P 6/00
F01D 5/00
B23K 26/34
G05B 19/4097
B29C 67/00
B22F 3/105
(11) EP2064025
(21) EP07817519.7
(47) 11.09.2019
(87) DE2007001647
27.03.2008
(22) 13.09.2007
(54) METHOD OF REPAIR
(73) MTU Aero Engines AG
(72) LANGE, Anja
(31) 102006044555
(32) 21.09.2006
(33) Germany

(51) B23P 6/00
F01D 5/00
G06T 7/00
(11) EP2254728
(21) EP09712168.5
(47) 11.09.2019
(87) US2009001044
27.08.2009
(22) 19.02.2009
(54) SYSTEM AND METHOD FOR REPAIRING OBJECTS
(73) Rolls-Royce Corporation
(72) KRAUSE, Gregory, Thomas
(31) 66286
(32) 19.02.2008
(33) United States of America

(51) B23P 11/02
B24B 19/12
F01L 1/047
F16B 4/00
F16D 1/08
F16H 53/02
B23B 31/40
F16D 1/072
(11) EP2829353
(21) EP14000578.6
(47) 11.09.2019
(22) 19.02.2014
(54) Method for producing an assembled camshaft and corresponding device
(73) MAN Truck & Bus SE
(72) Boehme, Ulrich
Fink, Adrian
(31) 102013012384
(32) 25.07.2013
(33) Germany

(51) B23Q 11/00
B08B 15/04
E21B 21/015
(11) EP3277458
(21) EP16714516.8
(47) 11.09.2019
(87) GB2016050893
06.10.2016
(22) 30.03.2016
(54) A CUTTING JIG
(73) Zuma Array Limited
(72) COOK, Susan
DE SAULLES, Stephen
(31) 201505513
(32) 31.03.2015
(33) United Kingdom

(51) B23Q 11/08
A61C 13/00
(11) EP3081331
(21) EP15163497.9
(47) 11.09.2019
(22) 14.04.2015
(54) DENTAL MILLING MACHINE
(73) Ivoclar Vivadent AG
(72) Rohner, Gottfried
Lorünser, Johannes
Pokorny, Walter

(51) B23Q 17/09
B23K 26/00
B23K 26/342
B23Q 5/04
B23K 9/095
B23K 20/12
B23K 26/03
(11) EP3034236
(21) EP14836301.3
(47) 11.09.2019
(87) JP2014071334
19.02.2015
(22) 12.08.2014
(54) TEMPERATURE MEASUREMENT METHOD, AND TEMPERATURE MEASUREMENT DEVICE
(73) Yamamoto Metal Technos Co., Ltd.
(72) ARAKI,Masafumi
YAMAMOTO,Kengo
(31) 2013168372
(32) 13.08.2013
(33) Japan

(51) B23Q 17/12
B23B 1/00
B23Q 5/50
B23Q 15/013
G05B 19/4093
G05B 19/404
G05B 19/402
(11) EP3225355
(21) EP14906737.3
(47) 11.09.2019
(87) JP2014081271
02.06.2016
(22) 26.11.2014
(54) NUMERICAL CONTROL APPARATUS
(73) Mitsubishi Electric Corporation
Citizen Watch Co., Ltd.
Citizen Machinery Co., Ltd.
(72) WATANABE, Mitsuo
SAGASAKI, Masakazu
MATSUMOTO, Hitoshi
SHINOHARA, Takanori
SANNOMIYA, Kazuhiko
HIRATA, Yuki

(51) B23Q 39/02
B27C 9/00
B27M 1/08
(11) EP3238876
(21) EP16167809.9
(47) 11.09.2019
(22) 29.04.2016

(54) DEVICE FOR MACHINING WORKPIECES IN ROD FORM SUCH AS WINDOW PROFILES OR DOOR PROFILES
(73) Schirmer Maschinen GmbH
(72) Vogt, Roland
(51) B24B 1/00
C09K 3/14
C09G 1/02
(11) EP2874784
(21) EP13819596.1
(47) 11.09.2019
(87) US2013050741
23.01.2014
(22) 16.07.2013
(54) MAGNETORHEOLOGICAL FLUID FOR ULTRASMOOTH POLISHING
(73) QED Technologies International, Inc.
(72) KORDONSKI, William
GORODKIN, Sergei
OSWALD, Eric
(31) 201213551786
(32) 18.07.2012
(33) United States of America
(51) B24B 37/10
(11) EP3268166
(21) EP16709783.1
(47) 11.09.2019
(87) EP2016055391
22.09.2016
(22) 14.03.2016
(54) A SPECIMEN MOVER AND A METHOD OF PLACING SPECIMENS IN A SPECIMEN MOVER
(73) Struers ApS
(72) DRASTICH, Tomás
(31) 201570142
(32) 13.03.2015
(33) Denmark
(51) B24B 53/12
B24D 18/00
(11) EP2835220
(21) EP13179579.1
(47) 11.09.2019
(22) 07.08.2013
(54) Trimming tool, and method for manufacturing the same
(73) Reishauer AG
(72) Rudolf, Christoph
Hänni, Florian
(51) B24C 7/00
B24C 1/00
B65G 53/46
(11) EP3265271
(21) EP16710602.0
(47) 11.09.2019
(87) US2016021189
15.09.2016
(22) 07.03.2016
(54) PARTICLE FEEDER
(73) Cold Jet LLC
(72) MALLALEY, Daniel
BROECKER, Richard, Joseph
KOCOL, Robert, Mitchell
(31) 201562129483 P
(32) 06.03.2015
(33) United States of America
(51) B24D 3/02
B24D 3/04
C09K 3/14
B24D 11/00
C01F 7/02
(11) EP3134227
(21) EP15783341.9
(47) 11.09.2019
(87) US2015026435
29.10.2015
(22) 17.04.2015
(54) ABRASIVE PARTICLES AND ABRASIVE ARTICLES INCLUDING THE SAME
(73) 3M Innovative Properties Company
(72) ADEFRIS, Negus B.
(31) 201461982179 P
(32) 21.04.2014
(33) United States of America
(51) B24D 3/14
B24D 3/28
C09K 3/14
B24D 18/00
B24D 11/00
(11) EP3086903
(21) EP14874455.0
(47) 11.09.2019
(87) US2014071855
02.07.2015
(22) 22.12.2014
(54) A COATED ABRASIVE ARTICLE MAKER APPARATUS
(73) 3M Innovative Properties Company
(72) CULLER, Scott R.
BODEN, John T.
KEIPERT, Steven J.
ADEFRIS, Negus B.
JINDAL, Karan
NIENABER, Aaron K.
MORRISON, David L.
BENSON, Peter T.
PRANAY, Pratik
WRIGHT, Bradford B.
(31) 201361919999 P
(32) 23.12.2013
(33) United States of America
(51) B24D 11/00
B24D 3/20
B24D 3/26
B24B 3/32
(11) EP2384261
(21) EP09837024.0
(47) 11.09.2019
(87) US2009069296
08.07.2010
(22) 22.12.2009
(54) BONDED ABRASIVE TOOL AND METHOD OF FORMING
(73) Saint-Gobain Abrasives, Inc.
Saint-Gobain Abrasifs
(72) ZUYEV, Konstantin, S.
STRANDGAARD, Walter
FIFE, Joel, A.
JEEVANANTHAM, Muthu
(31) 141592 P
(32) 30.12.2008
(33) United States of America
(51) B25B 5/06
(11) EP3328587
(21) EP16757700.6
(47) 11.09.2019
(87) FR2016051985
09.02.2017
(22) 29.07.2016
(54) DEVICE FOR CLAMPING A PART TO A TOOL
(73) Boiteux, Christophe
(72) Boiteux, Christophe
(31) 1557358
(32) 31.07.2015
(33) France
(51) B25B 13/46
B25B 13/10
B25B 13/44
B25B 13/06
B25B 13/18
(11) EP2724820
(21) EP13189272.1
(47) 11.09.2019
(22) 18.10.2013
(54) Adjustable ratcheting socket wrench
(73) Stanley Black & Decker, Inc.
(72) Pelletier, Thomas
Li, Heather
(31) 201261717301 P
201313961622
(32) 23.10.2012
07.08.2013
(33) United States of America
United States of America
(51) B25B 13/46
B25B 23/00
(11) EP3002083
(21) EP14191190.9
(47) 11.09.2019
(22) 31.10.2014
(54) Ratchet socket wrench
(73) Stanley Chiro International Ltd.
(72) Liu, Chun-Hsiung
(31) 103134580
(32) 03.10.2014
(33) Taiwan, Province of China
(51) B25B 15/02
B25B 17/00
B25B 15/04
B25B 13/46
(11) EP3168004
(21) EP14897115.3
(47) 11.09.2019
(87) CN2014082057
14.01.2016
(22) 11.07.2014
(54) ACCELERATING BIDIRECTIONAL MECHANICAL CONVERTER
(73) Hangzhou Great Star Tools Co., Ltd.
Hangzhou Great Star Industrial Co., Ltd.
Ratchet Solutions, Inc.
(72) WANG, Min
(51) B25B 23/04
B25B 23/10
B25B 23/06
(11) EP2610033
(21) EP12195624.7
(47) 11.09.2019
(22) 05.12.2012
(54) Clamping jaw unit
(73) EJOT Baubefestigungen GmbH

(72) Braach, Stefan
(31) 102011089954
(32) 27.12.2011
(33) Germany

(51) B25B 23/10
B25B 23/12
B23P 19/06
(11) EP3162507
(21) EP16197794.7
(47) 11.09.2019
(22) 19.10.2015
(54) MAGNETIC LEVITATION SCREW-CLAMPING JAW FOR AUTOMATIC SCREWDRIVERS
(73) Mijy-Land Industrial Co., Ltd.
(72) HSU, Hsiu-Lin

(51) B25B 23/14
(11) EP3093107
(21) EP16169427.8
(47) 11.09.2019
(22) 12.05.2016
(54) SCREW UNIT AND METHOD FOR SCREWING A SCREW INTO A WORKPIECE
(73) DEPRAG Schulz GmbH u. Co.
(72) PFEIFFER, Rolf
ROSENKRANZ, Carsten
(31) 102015208735
(32) 12.05.2015
(33) Germany

(51) B25D 11/12
B25D 17/06
B25D 11/00
(11) EP3389934
(21) EP16809722.8
(47) 11.09.2019
(87) EP2016079894
22.06.2017
(22) 06.12.2016
(54) PERCUSSIVE HANDHELD MACHINE TOOL
(73) Hilti Aktiengesellschaft
(72) HARTMANN, Markus
BRITZ, Rory
(31) 15200146
(32) 15.12.2015
(33) European Patent Office (EPO)

(51) B25D 17/24
B25F 5/00
B23D 49/16
B23D 51/00
(11) EP3138661
(21) EP15786815.9
(47) 11.09.2019
(87) JP2015063010
05.11.2015
(22) 30.04.2015
(54) WORK TOOL
(73) Koki Holdings Co., Ltd.
(72) TANABE, Daijiro
FUJIMOTO, Goya
KOBAYASHI, Ryusuke
KANBE, Kuniaki
SATOU, Shinichirou
(31) 2014093640
2014093641
(32) 30.04.2014
30.04.2014
(33) Japan
Japan

(51) B25F 1/04
(11) EP3166756
(21) EP15748085.6
(47) 11.09.2019
(87) US2015039985
14.01.2016
(22) 10.07.2015
(54) SOLID STATE TOOL SYSTEM
(73) Fiskars Brands, Inc.
(72) NEUBAUER, Mark
HARDINGE, Hal
(31) 201462023649 P
(32) 11.07.2014
(33) United States of America

(51) B25F 5/00
F16H 57/02
F16H 57/08
(11) EP3348358
(21) EP17204965.2
(47) 11.09.2019
(22) 07.12.2010
(54) HANDHELD ELECTRIC TOOL WITH A PLANETARY GEAR
(73) Robert Bosch GmbH
(72) Grunwald, Michael-Andreas
Welke, Joerg
Saur, Dietmar
(31) 102010000795
(32) 12.01.2010
(33) Germany

(51) B25H 3/00
B65D 25/10
(11) EP3347167
(21) EP16741014.1
(47) 11.09.2019
(87) EP2016067197
16.03.2017
(22) 19.07.2016
(54) STACKING DEVICE FOR STACKING PAINT AND INSTALLATION PLUGS
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) KOSSMANN, Max
SCHÖNHERR, Ralf
SCHMIEDEL, Ingo
(31) 102015217208
(32) 09.09.2015
(33) Germany

(51) B25J 9/16
(11) EP2679350
(21) EP13003102.4
(47) 11.09.2019
(22) 18.06.2013
(54) Device for the automatic detection and removal of workpieces
(73) LIEBHERR-VERZAHNTECHNIK GmbH
(72) Mattern, Thomas
Hänschke, David
Riedmiller, Bernhard
Mundt, Alois
(31) 102012013031
(32) 29.06.2012
(33) Germany

(51) B25J 15/04
(11) EP3117969
(21) EP15177305.8
(47) 11.09.2019
(22) 17.07.2015
(54) MECHANICAL END-EFFECTOR CHANGER
(73) Hiwin Technologies Corp.
(72) Wong, Chen-Ming
Liu, Ming-Shiou
Huang, Yan-Shun

(51) B25J 19/02
G01B 5/008
G01B 11/00
G06T 7/00
G06T 7/73
B25J 9/16
(11) EP2543482
(21) EP12175245.5
(47) 11.09.2019
(22) 06.07.2012
(54) Information processing apparatus and information processing method
(73) CANON KABUSHIKI KAISHA
(72) Tateno, Keisuke
Kotake, Daisuke
Uchiyama, Shinji
(31) 2011152158
(32) 08.07.2011
(33) Japan

(51) B26D 5/00
B26D 5/02
(11) EP2612736
(21) EP12150169.6
(47) 11.09.2019
(22) 04.01.2012
(54) Cutting machine with variation of the cutting area
(73) Siemens Aktiengesellschaft
(72) Haase, Andreas
Tauchmann, Sven

(51) B27D 5/00
(11) EP3260257
(21) EP17179517.2
(47) 11.09.2019
(22) 18.05.2010
(54) SUPPLY DEVICE FOR SUPPLYING A COATING MATERIAL
(73) HOMAG GmbH
(72) Götz, Reiner
(31) 102009021676
(32) 18.05.2009
(33) Germany

(51) B27D 5/00
(11) EP3305488
(21) EP17194707.0
(47) 11.09.2019
(22) 04.10.2017
(54) DEVICE AND METHOD FOR MACHINING A WORKPIECE
(73) HOMAG GmbH
(72) Kostenbader, Markus
(31) 102016219265
(32) 05.10.2016
(33) Germany

(51) B27H 1/00
B27M 3/00
B27D 1/08
(11) EP3416791

(21) EP16713630.8
(47) 11.09.2019
(87) PL2016000016
24.08.2017
(22) 15.02.2016
(54) DEVICE FOR THE MANUFACTURE OF LAMINATED WOOD BENT ELEMENTS
(73) Jagram Pro S.A.
(72) MYSLlNSKi, Waldemar

(51) B27N 3/14
B07B 4/02
B07B 7/06
B07B 11/02
(11) EP3130436
(21) EP16174354.7
(47) 11.09.2019
(22) 14.06.2016
(54) AIR SPREADING DEVICE
(73) Siempelkamp Maschinen- und Anlagenbau GmbH
(72) Mulazzi, Sergio
Grasso, Gianluca
Pannunzio, Roberto
(31) 102015112013
(32) 23.07.2015
(33) Germany

(51) B28B 3/02
B30B 15/06
(11) EP2808142
(21) EP14165454.1
(47) 11.09.2019
(22) 22.04.2014
(54) Applied load device
(73) Rampf Formen GmbH
(72) Wörz, Andreas
(31) 102013104010
(32) 21.04.2013
(33) Germany

(51) B29B 9/06
(11) EP3233404
(21) EP15820933.8
(47) 11.09.2019
(87) US2015064880
23.06.2016
(22) 10.12.2015
(54) SYSTEM AND METHOD FOR GRANULATING POLYMERS OF BOTH HIGH AND LOW VISCOSITY
(73) Dow Global Technologies LLC
(72) ZOGG, JR., Michael J.
GAMBREL, Timothy W.
VAN LEEUWEN, Johan
(31) 201462093660 P
(32) 18.12.2014
(33) United States of America

(51) B29B 15/12
G06K 19/077
B29L 17/00
(11) EP2872305
(21) EP13729601.8
(47) 11.09.2019
(87) EP2013001696
16.01.2014
(22) 10.06.2013
(54) METHOD FOR PRODUCING A FILM
(73) Giesecke+Devrient Mobile Security GmbH
(72) RIEDL, Josef
(31) 102012013965
(32) 13.07.2012
(33) Germany

(51) B29C 33/38
(11) EP3160705
(21) EP15731126.7
(47) 11.09.2019
(87) IB2015054483
30.12.2015
(22) 12.06.2015
(54) A THERMALLY EXPANSIVE MOLDING TOOL AND A METHOD OF MOLDING WITH SUCH TOOL
(73) Bombardier Inc.
(72) CARON, Richard
(31) 201462016325 P
(32) 24.06.2014
(33) United States of America

(51) B29C 41/00
B29C 41/08
B29C 41/22
B29C 41/36
B29C 41/18
(11) EP3372372
(21) EP17160186.7
(47) 11.09.2019
(22) 09.03.2017
(54) METHOD FOR PRODUCING A CONTAINER SYSTEM AND A LIQUID DISPENSER AND CONTAINER SYSTEM WITH SAME AND RESULTING LIQUID DISPENSER
(73) Aptar Radolfzell GmbH
(72) Baumann, Tobias
Duquet, Frédéric
Maibach, Ulrich

(51) B29C 43/14
B29C 43/02
A44C 9/00
B29K 83/00
A44C 27/00
B29C 43/20
C08L 83/04
B29L 31/00
(11) EP3316724
(21) EP16825121.3
(47) 11.09.2019
(87) US2016042121
19.01.2017
(22) 13.07.2016
(54) COMPRESSION MOLDING A SILICONE RING
(73) Qalo LLC
(72) BAKER, Patrick
HOLIDAY, Kyle
(31) 201514798871
(32) 14.07.2015
(33) United States of America

(51) B29C 45/16
B29C 45/27
(11) EP2629952
(21) EP11833685.8
(47) 11.09.2019
(87) CA2011050667
26.04.2012
(22) 24.10.2011
(54) COINJECTION HOT RUNNER INJECTION MOLDING SYSTEM
(73) Mold-Masters (2007) Limited
(72) GAMMON, Scott
BABIN, Denis
(31) 201113238074
405949 P
(32) 21.09.2011
22.10.2010
(33) United States of America
United States of America

(51) B29C 45/28
(11) EP2926971
(21) EP14196396.7
(47) 11.09.2019
(22) 04.12.2014
(54) Hot-runner systems and methods comprising a Lorentz force actuator assembly
(73) Stone, Ashley
(72) Stone, Ashley
(31) 201414244467
(32) 03.04.2014
(33) United States of America

(51) B29C 45/36
(11) EP2571667
(21) EP11709621.4
(47) 11.09.2019
(87) CH2011000041
24.11.2011
(22) 04.03.2011
(54) DEVICE FOR PRODUCING A PIPETTE
(73) Schöttli AG
(72) SCHÖTTLI, Martin
(31) 803102010
(32) 21.05.2010
(33) Switzerland

(51) B29C 45/73
B29C 33/76
B29K 105/00
(11) EP3046743
(21) EP14845314.5
(47) 11.09.2019
(87) CA2014050785
26.03.2015
(22) 15.08.2014
(54) MOLD COMPONENT WITH CONFORMAL COOLING CHANNELS
(73) Husky Injection Molding Systems Ltd.
(72) ULEMEK, Adam Christopher
BRADSHAW, Maxfield Paul
ARSAN, Sami Samuel
PAPA, Renato
OSMOKROVIC, Daniel Joseph
(31) 201361880444 P
(32) 20.09.2013
(33) United States of America

(51) B29C 45/77
B29C 45/78
(11) EP2709816
(21) EP12724810.2
(47) 11.09.2019
(87) US2012038819
29.11.2012
(22) 21.05.2012
(54) METHOD FOR INJECTION MOLDING AT LOW, SUBSTANTIALLY CONSTANT PRESSURE
(73) iMFLUX, Inc.
(72) ALTONEN, Gene, Michael
BERG, Charles, John, Jr.
NEUFARTH, Ralph, Edwin

SCHILLER, Gary, Francis
LAYMAN, John, Moncrief
SCHARRENBERG, Rainer
(31) 201161488559 P
(32) 20.05.2011
(33) United States of America

(51) B29C 45/80
(11) EP3305499
(21) EP17198695.3
(47) 11.09.2019
(22) 06.12.2013
(54) MOLD POSITIONING DEVICE
(73) Husky Injection Molding Systems Ltd.
(72) HONTHEIM, Daniel
BRAND, Dietmar, Tiemo
FISCH, Ralf, Walter
KMOCH, Sven
KROMBERG, Andre, Axel
LOOIJE, Adrian, Peter
LOOIJE, Peter, Adrian
LUIJS, Ruud
MANDA, Jan, Marius
PAPA, Renato
SCHLUMS, Dirk, Holger
TENG, Alex
WITZ, Jean-Christophe
GOW, Geoffrey, Andrew
SODARO, Bruno, Giuseppe
BRADSHAW, Maxfield Paul
(31) 201361761354 P
201361840095 P
201361875764 P
(32) 06.02.2013
27.06.2013
10.09.2013
(33) United States of America
United States of America
United States of America

(51) B29C 45/80
B29C 45/76
G05B 19/4061
(11) EP3381648
(21) EP18164523.5
(47) 11.09.2019
(22) 28.03.2018
(54) INJECTION MOLDING MACHINE
(73) Sumitomo Heavy Industries, Ltd.
(72) YAMAGUCHI, Hiroshi
(31) 2017066174
(32) 29.03.2017
(33) Japan

(51) B29C 48/335
B29C 48/25
B29C 48/71
B29C 48/21
B29C 55/28
B29C 48/10
(11) EP2873508
(21) EP14188891.7
(47) 11.09.2019
(22) 14.10.2014
(54) Extrusion head
(73) Reifenhäuser GmbH & Co. KG Maschinenfabrik
(72) Herchenbach, Maximilian
Herchenbach, Heinz Joachim
Lübke, Frank
(31) 102013111370
(32) 15.10.2013
(33) Germany

(51) B29C 48/88
B29C 48/08
B29C 48/10
B29C 48/885
(11) EP3222404
(21) EP16000674.8
(47) 11.09.2019
(22) 21.03.2016
(54) DEVICE AND METHOD FOR RAPIDLY COOLING EXTRUDATES
(73) Collin Lab & Pilot Solutions GmbH
(72) KASTNER, Friedrich
GRAJEWSKI, Franz
VERSTRATEN, Corne

(51) B29C 48/92
B29K 21/00
(11) EP3431251
(21) EP17182490.7
(47) 11.09.2019
(22) 21.07.2017
(54) METHOD FOR DETERMINING THE SHRINKAGE OF A RUBBER COMPOUND
(73) Continental Reifen Deutschland GmbH
(72) Rennmann, Tim
Kwan, Marson
Völker, Thomas
Schroeder, Carola
Borchardt, Endres
Ruckert, Tobias

(51) B29C 49/04
B29L 23/00
B29L 31/00
B29C 49/78
(11) EP3305503
(21) EP17001621.6
(47) 11.09.2019
(22) 02.10.2017
(54) EXTRUSION AND BLOW MOLDING MACHINE WITH CONTROL DEVICE
(73) S.T. Soffiaggio Tecnica S.r.l.
(72) Graziadei, Martin
(31) 201600099416
(32) 04.10.2016
(33) Italy

(51) B29C 49/22
B29C 49/46
B29C 49/06
B29C 49/08
B29C 49/12
B29L 31/00
(11) EP3225380
(21) EP15864249.6
(47) 11.09.2019
(87) JP2015005180
02.06.2016
(22) 13.10.2015
(54) LIQUID BLOW-MOLDING METHOD FOR DELAMINATION CONTAINER
(73) Yoshino Kogyosho Co., Ltd.
(72) OKUYAMA, Yuichi
SUYAMA, Kenichi
(31) 2014240348
(32) 27.11.2014
(33) Japan

(51) B29C 49/24
(11) EP3015246
(21) EP15188596.9
(47) 11.09.2019
(22) 06.10.2015
(54) A METHOD OF FORMING BLOW MOLDED AIRFLOW CONDUIT WITH OUTER INSULATION
(73) International Automotive Components Group North America, Inc.
(72) Vanhorn, David
Nagy, Paul
(31) 201414524417
(32) 27.10.2014
(33) United States of America

(51) B29C 49/64
B29C 49/06
B29C 49/08
B29K 23/00
B29K 33/18
B29K 67/00
B29L 22/00
B29B 11/08
B29B 11/14
B29C 49/00
B29K 105/00
B29L 31/00
B65D 1/02
(11) EP2907648
(21) EP15156681.7
(47) 11.09.2019
(22) 30.05.2008
(54) SYNTHETIC RESIN BOTTLE
(73) YOSHINO KOGYOSHO CO., LTD.
(72) Ishii, Yusuke
Otsuka, Takashi
Inagawa, Katsuyoshi
Iizuka, Takao
(31) 2007145918
2007335963
(32) 31.05.2007
27.12.2007
(33) Japan
Japan

(51) B29C 53/58
F16F 15/305
(11) EP3210752
(21) EP16157824.0
(47) 11.09.2019
(22) 29.02.2016
(54) TRIMMED ROTATING BODY AND MANUFACTURING METHOD OF THE TRIMMED ROTATING BODY
(73) Enrichment Technology Company Ltd. Zweigniederlassung Deutschland
(72) Sonnen, Michael
Otremba, Frank

(51) B29C 55/16
B29C 55/08
(11) EP2441566
(21) EP12151042.4
(47) 11.09.2019
(22) 21.10.2003
(54) METHODS AND DEVICES FOR PROCESSING POLYMER FILMS
(73) 3M Innovative Properties Company
(72) Jackson, Jeffery, N.
Merrill, William, W.

Ruff, Andrew, T.
Thompson, Desiree, L.
(31) 306593
(32) 27.11.2002
(33) United States of America

(51) B29C 57/04
B21D 41/02
B29L 23/00
B29K 23/00
(11) EP3275626
(21) EP17182163.0
(47) 11.09.2019
(22) 19.07.2017
(54) PIPE END EXPANDING TOOL
(73) Black & Decker Inc.
(72) Li, Qingyang
Xu, Yuelong
Zheng, Xiaomei
Kunz, Michael P.
(31) 201662367262 P
201715648893
(32) 27.07.2016
13.07.2017
(33) United States of America
United States of America

(51) B29C 59/04
B29C 43/22
B29C 44/56
(11) EP3162535
(21) EP15192317.4
(47) 11.09.2019
(22) 30.10.2015
(54) METHOD FOR SURFACE TREATMENT OF A THERMOPLASTIC POLYURETHANE TEXTURE WITH LAMINATED DEEP AND SHALLOW IMPRESSIONS
(73) DingZing Advanced Materials Inc.
(72) LIN, Keng-Hsien

(51) B29C 63/34
F16L 9/12
(11) EP2783835
(21) EP14157846.8
(47) 11.09.2019
(22) 05.03.2014
(54) METHOD FOR MANUFACTURING A TUBE CLAD WITH AN INNER LINER
(73) Evonik Degussa GmbH
(72) Franosch, Juergen
Berger, Jan
Dowe, Andreas
Gensheimer, Marco
Kannengießer, Uwe
(31) 102013205614
(32) 28.03.2013
(33) Germany

(51) B29C 64/118
B29D 11/00
B33Y 10/00
B33Y 80/00
(11) EP3374169
(21) EP16791352.4
(47) 11.09.2019
(87) EP2016075979
18.05.2017
(22) 27.10.2016
(54) METHOD FOR PRODUCING AN OPTICAL COMPONENT BY 3D PRINTING, AN OPTICAL COMPONENT AND A LIGHTING DEVICE
(73) Signify Holding B.V.
(72) BOONEKAMP, Erik, Paul
GOMMANS, Hendrikus, Hubertus, Petrus
VAN HAL, Paulus, Albertus
LIEDENBAUM, Coen, Theodorus, Hubertus, Fransiscus
HIKMET, Rifat, Ata, Mustafa
(31) 15193626
(32) 09.11.2015
(33) European Patent Office (EPO)

(51) B29C 65/02
B29C 65/16
B29C 65/18
B29C 65/24
B29C 65/32
(11) EP2815870
(21) EP13749251.8
(47) 11.09.2019
(87) JP2013053349
22.08.2013
(22) 13.02.2013
(54) DEVICE FOR WELDING THERMOPLASTIC RESIN MATERIAL
(73) Seidensha Electronics Co., Ltd
(72) KONITA, Tadahiro
(31) 2012029409
(32) 14.02.2012
(33) Japan

(51) B29C 65/04
B29C 65/48
B29C 65/72
A41D 3/00
A41D 27/24
A41H 43/04
A41H 41/00
A41D 5/00
B29L 31/48
(11) EP3202274
(21) EP15846210.1
(47) 11.09.2019
(87) KR2015006776
07.04.2016
(22) 01.07.2015
(54) DOWN PRODUCT HAVING JOINING PATTERN LINE PRODUCED BY HIGH-FREQUENCY BONDING TECHNIQUE AND METHOD FOR MANUFACTURING SAME
(73) Hojeon Limited
(72) PARK, Young Chul
CHAE, Soo Han
(31) 20140132528
(32) 01.10.2014
(33) Korea (Republic)

(51) B29C 65/34
F16L 47/03
B29C 65/82
B29L 23/00
B29L 9/00
(11) EP3022043
(21) EP14749945.3
(47) 11.09.2019
(87) GB2014052024
22.01.2015
(22) 03.07.2014
(54) IMPROVED ELECTROFUSION FITTING METHODS
(73) Pioneer Lining Technology Limited
(72) BARNES, Stephen
(31) 201312897
(32) 18.07.2013
(33) United Kingdom

(51) B29C 65/36
B65B 51/22
B29C 65/50
B65H 19/00
B29L 9/00
B29K 705/00
B29K 705/02
B29K 711/12
(11) EP3090860
(21) EP15166310.1
(47) 11.09.2019
(22) 05.05.2015
(54) INDUCTION HEATING SEALING DEVICE
(73) Tetra Laval Holdings & Finance S.A.
(72) Babini, Andrea

(51) B29C 65/44
B29C 65/16
B21B 1/22
B21B 27/00
B21D 22/02
B21K 23/00
F16B 5/08
B29K 705/00
B29K 105/12
B29K 277/00
B29K 307/04
B29K 309/08
B29L 31/30
(11) EP3153303
(21) EP16190853.8
(47) 11.09.2019
(22) 27.09.2016
(54) METHOD FOR OBTAINING A WELDED JOINT BETWEEN ELEMENTS OF DIFFERENT MATERIALS, AND A HYBRID COMPONENT OBTAINED THROUGH THIS METHOD
(73) C.R.F. Società Consortile per Azioni
(72) PULLINI, Daniele
(31) 15188316
(32) 05.10.2015
(33) European Patent Office (EPO)

(51) B29C 67/00
B64F 5/00
F16L 3/08
F16B 1/00
(11) EP3210757
(21) EP16157086.6
(47) 11.09.2019
(22) 24.02.2016
(54) METHOD OF INSTALLING A FIXTURE ON A STRUCTURE BY ADDITIVE MANUFACTURING
(73) Airbus Operations GmbH
(72) GOEHLICH, Robert Alexander Dr.
HIRABAYASHI, Daisuke
HOSHI, Hikaru Dr.

(51) B29C 70/48
B29C 70/68
B29C 70/88

B29K 101/10
B29L 31/00
(11) EP2809503
(21) EP13707690.7
(47) 11.09.2019
(87) FR2013050210
08.08.2013
(22) 01.02.2013
(54) METHOD FOR ATTACHING A PIECE OF EQUIPMENT TO A STRUCTURE MADE FROM COMPOSITE MATERIAL
(73) Safran Aircraft Engines
(72) MATHON, Richard
PHELIPPEAU, Antoine
(31) 201261594471 P
(32) 03.02.2012
(33) United States of America

(51) B29C 70/54
B29C 70/46
B29C 70/88
B26F 1/14
B29L 31/00
B29C 43/02
B26F 1/44
(11) EP3100848
(21) EP16172847.2
(47) 11.09.2019
(22) 03.06.2016
(54) FIBER PLASTIC COMPOSITE COMPONENT WITH COMPACTED FIBRES AND METHOD FOR PRODUCING SAME
(73) Weberit Werke Dräbing GmbH
(72) Dräbing, Norbert
(31) 102015108850
(32) 03.06.2015
(33) Germany

(51) B29C 70/70
(11) EP1781203
(21) EP05761373.9
(47) 11.09.2019
(87) US2005021532
02.02.2006
(22) 17.06.2005
(54) METHODS AND SYSTEMS FOR LOADING AN IMPLANTABLE MEDICAL DEVICE WITH BENEFICIAL AGENT
(73) Shanghai MicroPort Medical (Group) Co., Ltd.
(72) PARKER, Theodore, L.
SHANLEY, John, F.
(31) 876520
(32) 24.06.2004
(33) United States of America

(51) B29C 70/84
B29L 31/30
B29C 70/44
B29C 70/48
B29C 31/08
B29C 35/02
B29C 65/00
B29C 70/08
(11) EP3166776
(21) EP15748278.7
(47) 11.09.2019
(87) FR2015051837
14.01.2016
(22) 02.07.2015
(54) METHOD FOR MANUFACTURING A PART MADE OF A COMPOSITE MATERIAL COMPRISING AT LEAST ONE PORTION FORMING A FORCE-INSERTION PORTION OR LOCAL THICKENED PORTION
(73) SAFRAN
(72) MANDEL, Robin
DUNLEAVY, Patrick
TROUSSET, Emilie
(31) 1456524
(32) 07.07.2014
(33) France

(51) B29C 73/16
B29D 30/06
C08J 11/08
(11) EP3294536
(21) EP16736911.5
(47) 11.09.2019
(87) IB2016052790
24.11.2016
(22) 13.05.2016
(54) TYRE SEALANT LAYER
(73) Bridgestone Corporation
(72) AGORETTI, Pasquale
HOUSE, John Nazareno
MADAU, Francesco
(31) UB20150851
(32) 15.05.2015
(33) Italy

(51) B29D 7/01
B29C 49/08
B65D 65/38
B65D 65/40
B29C 48/00
B29C 48/10
B29C 48/40
B29C 48/52
B29C 48/60
B29C 48/88
B29C 48/92
B29C 55/14
B29K 23/00
B29K 463/00
(11) EP3224033
(21) EP15864147.2
(47) 11.09.2019
(87) US2015061081
02.06.2016
(22) 17.11.2015
(54) BIAXIALLY STRETCHED POROUS FILM AND METHOD FOR FORMING IT
(73) Kimberly-Clark Worldwide, Inc.
(72) TOPOLKARAEV, Vasily, A.
MCENEANY, Ryan, J.
STOPPER, Steven R.
(31) 201462084712 P
201462090427 P
(32) 26.11.2014
11.12.2014
(33) United States of America
United States of America

(51) B29D 11/00
B29C 37/02
(11) EP3092118
(21) EP15700010.0
(47) 11.09.2019
(87) GB2015050004
09.07.2015
(22) 05.01.2015
(54) OPHTHALMIC LENS MANUFACTURING METHOD AND APPARATUS THAT INCLUDE FLASH REMOVAL FROM LENS MOLD MEMBERS
(73) CooperVision International Holding Company, LP
(72) IRIZARRY MARTELL, Alvin N.
REYNOLDS, Mark
LEONE, John
COOK, James
(31) 201461924104 P
(32) 06.01.2014
(33) United States of America

(51) B29D 11/00
G01R 1/07
G01R 15/24
(11) EP3387452
(21) EP16801593.1
(47) 11.09.2019
(87) IB2016056872
15.06.2017
(22) 15.11.2016
(54) METHOD AND APPARATUS FOR DETERMINING THE PRESENCE OF AN ELECTRICAL CHARGE ON THE SURFACE OF A LENS MOLD
(73) Novartis AG
(72) OCHROMBEL, Rene
(31) 201562266071 P
(32) 11.12.2015
(33) United States of America

(51) B29D 22/00
B29C 49/00
B29C 49/12
B65D 1/02
C08G 63/181
C08G 63/672
C08G 63/91
C08L 67/02
B29L 31/00
B29K 67/00
(11) EP3253563
(21) EP16701053.7
(47) 11.09.2019
(87) EP2016051128
11.08.2016
(22) 20.01.2016
(54) PREFORM FOR PRODUCING A PLASTIC CONTAINER, PRODUCTION OF THE PREFORM, PLASTIC CONTAINER PRODUCED FROM THE PREFORM, AND PRODUCTION OF THE PLASTIC CONTAINER
(73) Alpla-Werke Alwin Lehner GmbH und Co. KG
(72) SIEGL, Robert
(31) 1592015
(32) 06.02.2015
(33) Switzerland

(51) B29D 30/02
B29K 105/20
B29K 705/00
B29K 621/00
B29K 105/24
B29L 30/00
(11) EP3144160

(21) EP15792285.7
(47) 11.09.2019
(87) JP2015063178
19.11.2015
(22) 07.05.2015
(54) AIRLESS TIRE AND METHOD OF MANUFACTURING SAME
(73) Sumitomo Rubber Industries, Ltd.
(72) IWAMURA Wako
SUGIYA Makoto
(31) 2014100769
(32) 14.05.2014
(33) Japan

(51) B29D 30/06
C08C 19/25
B60C 1/00
C08G 81/02
(11) EP3086928
(21) EP14833435.2
(47) 11.09.2019
(87) US2014072511
02.07.2015
(22) 29.12.2014
(54) VULCANIZATES AND TIRE COMPONENTS PREPARED FROM COMPOSITIONS INCLUDING MERCAPTO-FUNCTIONAL SILOXANES
(73) Bridgestone Corporation
(72) KAYASHIMA, Kentaro
HOGAN, Terrence E.
(31) 201361921153 P
(32) 27.12.2013
(33) United States of America

(51) B29D 30/30
B29D 30/42
B29D 30/38
(11) EP2964453
(21) EP14710965.6
(47) 11.09.2019
(87) IB2014058574
12.09.2014
(22) 27.01.2014
(54) TYRE FOR VEHICLE WHEELS WITH AN IMPROVED DISTRIBUTION OF LOADS IN THE CARCASS STRUCTURE
(73) Pirelli Tyre S.p.A.
(72) MANCINI, Gianni
AMURRI, Cesare Emanuele
BIZZI, Stefano
GIAMBELLI, Roberta
(31) MI20130337
201361806657 P
(32) 06.03.2013
29.03.2013
(33) Italy
United States of America

(51) B29D 30/48
B29D 30/00
B05C 21/00
B05D 1/36
(11) EP3025851
(21) EP15196096.0
(47) 11.09.2019
(22) 24.11.2015
(54) BEAD-APEX ASSEMBLY SYSTEM
(73) Bartell Machinery Systems, L.L.C.
The Steelastic Company LLC
(72) RUSSO II, John R.
JOHNSON, Christopher L.
GATLEY, Paul D.
KOS, Marek J.
GORHAM, Eric W.
MARABITO, Mark
MILLER, Thomas D.
FISHER, Rosemarie
MATTHEWS, Donald L.
(31) 201462084294 P
(32) 25.11.2014
(33) United States of America

(51) B29D 99/00
B29C 33/54
B29C 70/44
B29C 33/38
B29C 45/14
B29L 31/08
(11) EP2897791
(21) EP13740302.8
(47) 11.09.2019
(87) EP2013065689
27.03.2014
(22) 25.07.2013
(54) PROCESS FOR PRODUCING WIND POWER PLANT ROTOR BLADES AND FOR PRODUCING A MOULD CORE THEREFOR
(73) Wobben Properties GmbH
(72) KAMKE, Ingo
SANFTLEBEN, Rico
(31) 102012216830
(32) 19.09.2012
(33) Germany

(51) B29K 105/04
B29C 49/00
B29C 49/22
B29C 49/46
B29C 44/18
B29C 44/34
B29C 44/08
B29C 49/04
B29C 49/42
B29K 23/00
B29L 31/30
(11) EP2835243
(21) EP14175536.3
(47) 11.09.2019
(22) 03.07.2014
(54) Method for producing skin-covered polyolefin resin foamed molded article
(73) JSP CORPORATION
(72) Tokiwa, Tomoo
(31) 2013142707
(32) 08.07.2013
(33) Japan

(51) B29L 31/00
B29C 65/20
B29C 65/00
E06B 3/96
B29C 65/56
(11) EP3293341
(21) EP17190471.7
(47) 11.09.2019
(22) 11.09.2017
(54) METHOD FOR OBTAINING A JOINERY FRAME AND JOINERY FRAME WITH OPTIMISED WELD SEAM
(73) Moini, Cyrus Bruno Hassan
(72) Moini, Cyrus Bruno Hassan
(31) 1658464
(32) 12.09.2016
(33) France

(51) B29L 31/34
B32B 7/12
B29D 29/00
B32B 37/10
B32B 37/12
B32B 37/18
B32B 3/04
C03B 27/00
B29K 709/08
H04M 1/18
B32B 17/06
B29D 99/00
H04M 1/02
(11) EP3018887
(21) EP15190460.4
(47) 11.09.2019
(22) 19.10.2015
(54) ELECTRONIC DEVICE AND METHOD OF FABRICATING EXTERIOR MEMBER FOR THE SAME
(73) Samsung Electronics Co., Ltd.
(72) Kim, Myung-Gon
Ryu, Jong-In
Chang, Min-Su
(31) 20140141562
(32) 20.10.2014
(33) Korea (Republic)

(51) B31F 1/28
D21F 11/12
(11) EP3110620
(21) EP15754740.7
(47) 11.09.2019
(87) FI2015050114
03.09.2015
(22) 26.02.2015
(54) METHOD AND EQUIPMENT FOR CONTROL AND MANUFACTURE OF CORRUGATED CARDBOARD
(73) VALMET AUTOMATION OY
(72) MÄNTYLÄ, Markku
LASSILA, Mikko
TALONEN, Mikko
SÖDER, Kari
TOSKALA, Marko
(31) 20145196
(32) 28.02.2014
(33) Finland

(51) B32B 5/02
B32B 7/12
B32B 15/082
B32B 27/08
B32B 27/12
B32B 27/28
B32B 27/30
B32B 27/36
(11) EP3126135
(21) EP15719891.2
(47) 11.09.2019
(87) US2015023383
08.10.2015
(22) 30.03.2015
(54) MULTILAYER SHEETS, METHODS OF MANUFACTURE, AND ARTICLES FORMED THEREFROM

(73) SABIC Global Technologies B.V.
(72) DAVIS, Michael J.
SYBERT, Paul Dean
DISCIULLO, Paul
(31) 201461972639 P
(32) 31.03.2014
(33) United States of America

(51) B32B 5/02
B32B 27/08
B32B 27/12
B32B 3/04
B32B 3/26
(11) EP3452283
(21) EP17866385.2
(47) 11.09.2019
(87) US2017057223
24.05.2018
(22) 18.10.2017
(54) SELECTIVE PERFORATION, CONSTRUCTION, AND SEQUENCING OF PLIES FOR COMPOSITE LAMINATES AND HYBRIDS
(73) SABIC Global Technologies B.V.
(72) BOBBA VENKAT, Somasekhar
KUMAR, RN, Ashwin
MILNE, Craig, Lawrence
JANIWARAD, Raghavendra
SPEIRS, Kylie
(31) 201662409697 P
(32) 18.10.2016
(33) United States of America

(51) B32B 7/00
B32B 7/12
B32B 21/13
B32B 21/14
(11) EP3325266
(21) EP16745950.2
(47) 11.09.2019
(87) US2016043135
26.01.2017
(22) 20.07.2016
(54) PLYWOOD ARTICLE
(73) BASF SE
(72) YANG, Michael T.
FAY, Johnathan
SHREWSBURG, Timothy
(31) 201562195994 P
(32) 23.07.2015
(33) United States of America

(51) B32B 7/02
B32B 5/20
B32B 9/02
B32B 9/04
B32B 25/04
B32B 25/08
B32B 25/14
B32B 25/16
B32B 27/06
B32B 27/08
B32B 27/32
C08J 9/00
C08J 9/08
(11) EP3362278
(21) EP16735633.6
(47) 11.09.2019
(87) EP2016065632
20.04.2017
(22) 04.07.2016
(54) FILM LAMINATE AND INTERIOR TRIM PART FOR MOTOR VEHICLES
(73) Benecke-Kaliko AG
(72) MANI, Joseph
HÜLSEWEDE, Volker
(31) 102015220034
(32) 15.10.2015
(33) Germany

(51) B32B 15/08
C09D 5/44
(11) EP3202569
(21) EP15845812.5
(47) 11.09.2019
(87) JP2015077845
07.04.2016
(22) 30.09.2015
(54) COATED METAL PLATE FOR AUTOMOBILE WITH EXCELLENT ANTI-RUST PROPERTIES IN LOW TEMPERATURE RUNNING ENVIRONMENTS
(73) Nippon Steel Corporation
Nippon Paint Industrial Coatings Co., Ltd.
(72) YUASA, Kensei
MORI, Yoichiro
WADA, Yusuke
NAMBO, Mitsutaka
(31) 2014202174
(32) 30.09.2014
(33) Japan

(51) B32B 17/10
B60J 1/00
(11) EP2906421
(21) EP13786698.4
(47) 11.09.2019
(87) FR2013052422
17.04.2014
(22) 10.10.2013
(54) LAMINATED GLAZING
(73) Saint-Gobain Glass France
(72) BURELOUX, Dominique
GIROD, Adeline
HENNION, Alexandre
SCHLARB, Andreas
STELLING, Bernd
(31) 1259728
(32) 12.10.2012
(33) France

(51) B32B 23/04
B32B 23/10
B32B 27/08
B32B 27/32
(11) EP3107725
(21) EP15707845.2
(47) 11.09.2019
(87) US2015016536
27.08.2015
(22) 19.02.2015
(54) MULTILAYERED POLYOLEFIN FILMS, METHODS OF MANUFACTURE THEREOF AND ARTICLES COMPRISING THE SAME
(73) Dow Global Technologies LLC
(72) HU, Yushan
PATEL, Rajen M.
MARCHAND, Gary R.
BAKER, Sharon L.
(31) 201414183949
(32) 19.02.2014
(33) United States of America

(51) B32B 23/06
B32B 23/02
B65D 65/40
D21H 19/52
B65D 65/42
D21H 27/10
D21H 17/25
D21H 19/34
D21H 27/30
D21H 15/02
B32B 29/06
B32B 27/32
B32B 7/12
B32B 27/10
(11) EP2551105
(21) EP11759327.7
(47) 11.09.2019
(87) JP2011056542
29.09.2011
(22) 18.03.2011
(54) LAMINATED BODY, METHOD FOR PRODUCING SAME, AND MOLDING CONTAINER
(73) Toppan Printing Co., Ltd.
(72) OOMORI Yumiko
IMAI Kazuko
NISHIJIMA Nao
SAIKI Akiko
KIMURA Mitsuharu
(31) 2010068750
(32) 24.03.2010
(33) Japan

(51) B32B 25/08
B32B 25/10
B32B 27/08
B29C 65/00
B29C 65/50
D06N 3/10
B29K 311/10
B29K 105/08
B29K 267/00
B29C 65/48
B29K 305/00
B32B 5/02
B32B 7/12
B29C 35/02
B29K 21/00
B29K 27/18
B32B 25/14
B29L 9/00
B29K 277/00
B32B 27/32
(11) EP2414157
(21) EP10702128.9
(47) 11.09.2019
(87) EP2010051228
07.10.2010
(22) 02.02.2010
(54) MEMBRANE, IN PARTICULAR A GAS STORAGE MEMBRANE
(73) ContiTech Elastomer-Beschichtungen GmbH
(72) STORRE, Jens
BLOMEYER, Karl-Heinz
PAPADIMITRIOU, Alexander
(31) 102009003696
(32) 30.03.2009

(33) Germany

(51) B32B 27/06
B32B 27/16
B32B 27/22
B32B 27/26
B32B 27/30
C08J 7/12
C08J 7/18
C08L 27/06
B32B 5/18
B32B 3/30
(11) EP3038828
(21) EP14736409.5
(47) 11.09.2019
(87) EP2014064662
05.03.2015
(22) 09.07.2014
(54) MULTI-LAYER SHEET MATERIAL AND METHOD FOR THE PRODUCTION THEREOF
(73) Benecke-Kaliko AG
(72) MIELKE, Dirk
FREUDENMANN, Roland
VAN WELL, Michael
BÜHRING, Jürgen
(31) 102013109408
(32) 29.08.2013
(33) Germany

(51) B32B 27/08
B32B 27/12
C08J 5/10
C08L 23/08
(11) EP2558293
(21) EP11719331.8
(47) 11.09.2019
(87) FR2011050753
20.10.2011
(22) 04.04.2011
(54) IMPERVIOUS BREATHABLE ETHYLENE COPOLYMER FILM
(73) Arkema France
(72) CARTIER, Laurent B.
BIZET, Stéphane
(31) 1052846
(32) 14.04.2010
(33) France

(51) B32B 27/08
B32B 27/32
B32B 27/20
B32B 3/26
H01M 2/14
H01M 2/16
H01M 10/0525
B29C 48/00
B29C 48/08
B29C 48/91
B29C 48/88
(11) EP3093904
(21) EP14878371.5
(47) 11.09.2019
(87) JP2014083302
16.07.2015
(22) 16.12.2014
(54) SEPARATOR FOR BATTERIES AND METHOD FOR PRODUCING SAME
(73) Toray Industries, Inc.
(72) MIZUNO, Naoki
MATANO, Koichi
(31) 2014003320
(32) 10.01.2014
(33) Japan

(51) B32B 27/28
B32B 27/30
B32B 27/32
B32B 27/36
B32B 7/02
(11) EP3423275
(21) EP17751638.2
(47) 11.09.2019
(87) EP2017068130
25.01.2018
(22) 18.07.2017
(54) MULTILAYER SHEET FOR THERMOFORMING HAVING IMPROVED SAGGING RESISTANCE
(73) Total Research & Technology Feluy
(72) ROUSSEAUX, Dimitri
BOUKALIDIS, Cristo
(31) 16180260
(32) 20.07.2016
(33) European Patent Office (EPO)

(51) B32B 27/30
B32B 17/10
(11) EP2146848
(21) EP08769194.5
(47) 11.09.2019
(87) US2008061690
13.11.2008
(22) 25.04.2008
(54) HIGH IMPACT POLYMER INTERLAYERS
(73) Solutia Incorporated
(72) CHEN, Wenjie
KARAGIANNIS, Aristotelis
(31) 742547
(32) 30.04.2007
(33) United States of America

(51) B32B 27/40
C08G 18/09
C08G 18/42
C09J 175/06
(11) EP3057793
(21) EP14828065.4
(47) 11.09.2019
(87) US2014059626
23.04.2015
(22) 08.10.2014
(54) METHOD OF MAKING LAMINATES HAVING REDUCED OXYGEN PERMEABILITY
(73) Dow Global Technologies LLC
Rohm and Haas Company
(72) VINCI, Daniele
CHEN, Mai
UDHAYASINGH, Thomas
SCHMIDT, Thorsten
(31) 201361891182 P
(32) 15.10.2013
(33) United States of America

(51) B32B 37/12
B29C 51/14
(11) EP3246159
(21) EP16382215.8
(47) 11.09.2019
(22) 17.05.2016
(54) MANUFACTURING PROCEDURE FOR CEILING TRIMS FOR VEHICLES
(73) Grupo Antonlín-Ingeniería, S.A.
(72) Grande, Miguel Ángel
Merino, Javier
Palomino, José Ignacio
Salazar, Fernando

(51) B32B 38/08
B32B 43/00
B65B 33/00
B32B 17/06
(11) EP2726286
(21) EP12731846.7
(47) 11.09.2019
(87) US2012043203
03.01.2013
(22) 20.06.2012
(54) METHOD OF MAKING HEAT TREATED COATED ARTICLE USING DIAMOND-LIKE CARBON (DLC) COATING AND PROTECTIVE FILM ON ACID-ETCHED SURFACE
(73) Guardian Glass, LLC
(72) WANG, Jiangping
PETRMICHL, Rudolph, H.
(31) 201113174336
(32) 30.06.2011
(33) United States of America

(51) B41C 1/00
B41N 1/06
(11) EP3330083
(21) EP17001942.6
(47) 11.09.2019
(22) 28.11.2017
(54) METHOD FOR THE PRODUCTION OF INTAGLIO PRINTING PLATES AND MATRICE FOR THE PRODUCTION OF AN INTAGLIO PRINTING PLATE
(73) Giesecke+Devrient Currency Technology GmbH
(72) Freutsmiedl, Simon
Otto, Daniela
Franz, Peter
Keck-Angerer, Angelika
(31) 102016014229
(32) 30.11.2016
(33) Germany

(51) B41J 2/045
(11) EP2944470
(21) EP15165917.4
(47) 11.09.2019
(22) 30.04.2015
(54) HEAD DRIVING DEVICE, RECORDING HEAD UNIT, AND IMAGE FORMING APPARATUS
(73) Ricoh Company, Ltd.
(72) Masui, Naruhiro
(31) 2014100867
(32) 14.05.2014
(33) Japan

(51) B41J 2/045
(11) EP3245068
(21) EP16700229.4
(47) 11.09.2019
(87) EP2016050414
21.07.2016
(22) 12.01.2016

(54) METHOD FOR DETECTING AN OPERATING STATUS OF AN INKJET NOZZLE
(73) OCE-Technologies B.V.
(72) MIHAILOVIC, Marko
HUMMEL, Tjerk E.C.
SIMONS, Johannes M.M.
VEENSTRA, Hylke
VENNER, Cornelis W.M.
KHALATE, Amol A.
(31) 15150930
(32) 13.01.2015
(33) European Patent Office (EPO)

(51) B41J 2/045
B41J 2/07
(11) EP2755824
(21) EP12832464.7
(47) 11.09.2019
(87) US2012054579
21.03.2013
(22) 11.09.2012
(54) FLUID JETTING WITH DELAYS
(73) Fujifilm Dimatix, Inc.
Gardner, Deane A.
Hseuh, Yulin Philip
(72) GARDNER, Deane A.
HSEUH, Yulin Philip
(31) 201113231599
(32) 13.09.2011
(33) United States of America

(51) B41J 2/045
B41J 2/21
(11) EP2734373
(21) EP12733106.4
(47) 11.09.2019
(87) EP2012063095
24.01.2013
(22) 05.07.2012
(54) REPRODUCTION APPARATUS FOR PRINTING ON RECEIVING MATERIAL IN A SINGLE PASS PRINT STRATEGY
(73) OCE-Technologies B.V.
(72) GERRITS, Carolus E.P.
DE SMET, Sebastian P.R.C.
LINT, Alexander
(31) 11174797
(32) 21.07.2011
(33) European Patent Office (EPO)

(51) B41J 2/14
(11) EP3159168
(21) EP16188279.0
(47) 11.09.2019
(22) 12.09.2016
(54) PIEZOELECTRIC ACTUATOR UNIT, INKJET HEAD, INKJET RECORDING APPARATUS, HEAD CHIP, AND WIRING SUBSTRATE
(73) Konica Minolta, Inc.
(72) HAMANO, Hikaru
(31) 2015185761
(32) 18.09.2015
(33) Japan

(51) B41J 2/14
(11) EP3121009
(21) EP16179971.3
(47) 11.09.2019
(22) 18.07.2016
(54) INKJET PRINT HEAD WITH IMPROVED LIFETIME AND EFFICIENCY
(73) OCE-Technologies B.V.
(72) PANNEKOEK, Reinder
REINTEN, Hans
VAN DER MEER, René J.
(31) 15178222
(32) 24.07.2015
(33) European Patent Office (EPO)

(51) B41J 2/14
(11) EP3326819
(21) EP17203333.4
(47) 11.09.2019
(22) 23.11.2017
(54) EJECTION DEVICE WITH UNIFORM EJECTION PROPERTIES
(73) OCE Holding B.V.
(72) VERZIJL, Klaas
LAMERS, Norbert H. W.
(31) 16201186
(32) 29.11.2016
(33) European Patent Office (EPO)

(51) B41J 2/165
B41J 29/377
B41J 19/00
B41J 2/045
B41J 29/02
B41J 29/13
B41J 29/15
B41J 29/38
(11) EP3248787
(21) EP17170591.6
(47) 11.09.2019
(22) 11.05.2017
(54) INKJET PRINTING APPARATUS WITH WIPER FOR INKJET HEAD
(73) Riso Kagaku Corporation
(72) Nishiyama, Akira
Nakamura, Shunta
(31) 2016106454
(32) 27.05.2016
(33) Japan

(51) B41J 2/175
(11) EP3064360
(21) EP16158432.1
(47) 11.09.2019
(22) 03.03.2016
(54) LIQUID STORING BODY
(73) Seiko Epson Corporation
(72) Koike, Yasunori
(31) 2015043266
(32) 05.03.2015
(33) Japan

(51) B41J 2/175
(11) EP2786871
(21) EP14163368.5
(47) 11.09.2019
(22) 03.04.2014
(54) Ink circulation apparatus, ink circulation method and inkjet recording apparatus
(73) Fujifilm Corporation
(72) Tsukamoto, Ryuji
(31) 2013079606
(32) 05.04.2013
(33) Japan

(51) B41J 2/175
(11) EP2772361
(21) EP14156766.9
(47) 11.09.2019
(22) 26.02.2014
(54) Cartridge, liquid ejection device, and liquid ejection system
(73) Seiko Epson Corporation
(72) Oya, Shun
(31) 2013039456
(32) 28.02.2013
(33) Japan

(51) B41J 2/175
B41J 2/14
B41J 2/045
H05K 3/10
(11) EP2828086
(21) EP12877853.7
(47) 11.09.2019
(87) US2012040161
05.12.2013
(22) 31.05.2012
(54) PRINTHEADS WITH CONDUCTOR TRACES ACROSS SLOTS
(73) Hewlett-Packard Development Company, L.P.
(72) RIVAS, Rio
BAKKER, Christopher
FRIESEN, Edward
PRZYBYLA, James R.

(51) B41J 2/175
B41J 2/19
B41J 2/14
(11) EP2828085
(21) EP12871866.5
(47) 11.09.2019
(87) US2012029608
26.09.2013
(22) 19.03.2012
(54) VENT THROUGH A PRINTHEAD SUPPORT STRUCTURE
(73) Hewlett-Packard Development Company, L.P.
(72) CAMPBELL-BROWN, lain
CAHILL, Eugene
OSBORNE, William S.
HARIDASAN, Anoop
CUMMINS, Ivor

(51) B41J 2/175
B41J 25/34
B41J 2/04
B41J 2/14
B41J 2/24
B41J 29/02
B41J 29/13
(11) EP3275664
(21) EP17001165.4
(47) 11.09.2019
(22) 07.07.2017
(54) PRINTING APPARATUS
(73) CANON KABUSHIKI KAISHA
(72) Ishihara, Masaaki
(31) 2016150555
(32) 29.07.2016
(33) Japan

(51) B41J 2/175
B41J 29/17
B41J 2/18
B41J 2/17
B41J 2/185

B41J 2/165
(11) EP3093144
(21) EP16169214.0
(47) 11.09.2019
(22) 11.05.2016
(54) METHOD AND DEVICE FOR PARTIAL MAINTENANCE OF A HYDRAULIC CIRCUIT
(73) Dover Europe Sàrl
(72) POURTIER, Francis
(31) 1554353
(32) 13.05.2015
(33) France

(51) B41J 2/21
(11) EP3210789
(21) EP17157797.6
(47) 11.09.2019
(22) 24.02.2017
(54) PRINTING APPARATUS AND PRINTING METHOD
(73) Seiko Epson Corporation
(72) SASAKI, Tsutomu
KATAGAMI, Satoru
TANASE, Kazuyoshi
(31) 2016032730
(32) 24.02.2016
(33) Japan

(51) B41J 2/21
(11) EP2925527
(21) EP12797853.4
(47) 11.09.2019
(87) EP2012073959
05.06.2014
(22) 29.11.2012
(54) OPERATION OF PRINTING SYSTEMS
(73) Hewlett-Packard Development Company, L.P.
(72) HUMET, Jacint
FERNANDEZ, Jaime
SERRA Vall, Marc
AMELA, Eduardo

(51) B41J 11/00
B41J 29/377
B41J 13/00
(11) EP3319803
(21) EP16734686.5
(47) 11.09.2019
(87) EP2016065871
12.01.2017
(22) 05.07.2016
(54) A METHOD FOR PRINTING ON A PLURALITY OF SHEETS; AN INKJET PRINTING APPARATUS
(73) OCE-Technologies B.V.
(72) LA VOS, Peter G.
JACOBS, Roy H.R.
(31) 15175996
(32) 09.07.2015
(33) European Patent Office (EPO)

(51) B41J 29/38
B41J 2/175
B41J 2/14
B41J 2/18
(11) EP3235650
(21) EP17160239.4
(47) 11.09.2019
(22) 10.03.2017
(54) LIQUID CIRCULATION MODULE AND LIQUID EJECTION APPARATUS
(73) Toshiba TEC Kabushiki Kaisha
(72) OHTSU, Kazuhiko
HARA, Kazuhiro
(31) 2016083562
(32) 19.04.2016
(33) Japan

(51) B41J 29/393
B65H 31/02
B65H 43/06
G01D 5/165
G01B 7/16
H01C 3/06
H01C 10/10
B65H 31/22
B41J 13/10
B65H 1/04
G01B 7/02
(11) EP3230076
(21) EP14907961.8
(47) 11.09.2019
(87) US2014069667
16.06.2016
(22) 11.12.2014
(54) A PRINTER COMPRISING A BEND SENSOR
(73) Hewlett-Packard Development Company, L.P.
(72) BARNES, Arthur H.

(51) B41M 3/00
B41M 5/46
H01L 51/00
(11) EP3063014
(21) EP14796304.5
(47) 11.09.2019
(87) NL2014050748
07.05.2015
(22) 29.10.2014
(54) METHOD AND SYSTEM FOR FORMING A PATTERNED STRUCTURE ON A SUBSTRATE
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) HENDRIKS, Rob Jacob
ARUTINOV, Gari
SMITS, Edsger Constant Pieter
(31) 13190956
13197502
(32) 30.10.2013
16.12.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) B41M 5/025
B41M 5/03
B41M 5/52
B41M 5/00
B41J 2/01
(11) EP3124280
(21) EP16180712.8
(47) 11.09.2019
(22) 22.07.2016
(54) INTERMEDIATE TRANSFER MEMBER, IMAGE RECORDING APPARATUS, AND IMAGE RECORDING METHOD
(73) Canon Kabushiki Kaisha
(72) KUSHIDA, Midori
NOGUCHI, Mitsutoshi
SAITO, Yoshikazu
OHKUMA, Norio
(31) 2015148505
(32) 28.07.2015
(33) Japan

(51) B41M 5/42
B41M 5/50
B41M 5/44
B41M 5/52
(11) EP3220377
(21) EP15859857.3
(47) 11.09.2019
(87) JP2015081772
19.05.2016
(22) 11.11.2015
(54) TAPE FOR LABEL WRITER
(73) Nichiban Co. Ltd.
(72) Sugai, Jugaku
Hikita, Takao
Uno, Shinsuke
(31) 2014229143
(32) 11.11.2014
(33) Japan

(51) B41M 5/50
B41M 5/52
(11) EP2927012
(21) EP15000832.4
(47) 11.09.2019
(22) 20.03.2015
(54) RECORDING MEDIUM
(73) Canon Kabushiki Kaisha
(72) Araki, Kazuhiko
Kamo, Hisao
Nito, Yasuhiro
Noguchi, Tetsuro
Taguri, Ryo
Oguri, Isamu
Herlambang, Olivia
Hatta, Naoya
Yumoto, Shinya
(31) 2014076149
(32) 02.04.2014
(33) Japan

(51) B42C 19/06
B42C 19/08
B41F 13/60
B41F 13/64
B41F 13/70
B41F 33/00
B41F 33/16
(11) EP3169529
(21) EP15749733.0
(47) 11.09.2019
(87) EP2015066302
21.01.2016
(22) 16.07.2015
(54) METHOD FOR OPERATING A DEVICE FOR PRODUCING PRINTED MATTER
(73) BW Papersystems Stuttgart GmbH
(72) LADNER, Werner
(31) 102014010428
(32) 16.07.2014
(33) Germany

(51) B42D 25/29
B42D 25/328
G07D 7/00
B42D 25/351
(11) EP3331709

(21) EP16750612.0
(47) 11.09.2019
(87) EP2016001291
09.02.2017
(22) 25.07.2016
(54) SECURITY ELEMENT HAVING A SUBWAVELENGTH GRATING
(73) Giesecke+Devrient Currency Technology GmbH
(72) LOCHBIHLER, Hans
(31) 102015010191
(32) 06.08.2015
(33) Germany

(51) B42D 25/305
G09F 3/00
B42D 25/36
(11) EP3269557
(21) EP16179118.1
(47) 11.09.2019
(22) 12.07.2016
(54) ASSEMBLY AND METHOD FOR IDENTIFYING AND VERIFYING AN OBJECT
(73) Niedermeier, Klaus
(72) Reithmeier, Sieglinde

(51) B42D 25/333
B42D 15/00
(11) EP2977223
(21) EP15002085.7
(47) 11.09.2019
(22) 14.07.2015
(54) VALUABLE DOCUMENT WITH WATERMARK
(73) Giesecke+Devrient Currency Technology GmbH
(72) Weingartner, Armin
Rackowitz, Alexander
Wiedner, Bernhard
(31) 102014010697
(32) 18.07.2014
(33) Germany

(51) B42D 25/351
B42D 25/346
(11) EP3322595
(21) EP16738673.9
(47) 11.09.2019
(87) EP2016001208
19.01.2017
(22) 13.07.2016
(54) DATA CARRIER HAVING A PERFORATED PORTION
(73) Giesecke+Devrient Currency Technology GmbH
(72) SCHINABECK, Josef
(31) 102015009164
(32) 14.07.2015
(33) Germany

(51) B42D 25/369
B42D 25/373
B42D 25/378
B42D 25/351
B42D 25/24
B42D 25/29
B42D 25/41
G07D 7/20
(11) EP3079920
(21) EP14816184.7
(47) 11.09.2019
(87) EP2014077287
18.06.2015
(22) 10.12.2014
(54) SUPERPOSED SECURITY ELEMENT AND VERIFICATION METHOD
(73) Bundesdruckerei GmbH
(72) TRÖLENBERG, Stefan
FISCHER, Jörg
(31) 102013225515
(32) 10.12.2013
(33) Germany

(51) B42D 25/369
B42D 25/378
B42D 25/41
G07D 7/12
(11) EP3079919
(21) EP14809654.8
(47) 11.09.2019
(87) EP2014077288
18.06.2015
(22) 10.12.2014
(54) SECURITY DOCUMENT COMPRISING A HIDDEN SECURITY FEATURE
(73) Bundesdruckerei GmbH
(72) TRÖLENBERG, Stefan
FISCHER, Jörg
KULIKOVSKA, Olga
(31) 102013225516
(32) 10.12.2013
(33) Germany

(51) B42D 25/425
(11) EP3380335
(21) EP16801381.1
(47) 11.09.2019
(87) EP2016001923
01.06.2017
(22) 18.11.2016
(54) EMBOSSING DEVICE FOR EMBOSSING MICRO- OR NANOSTRUCTURES
(73) Giesecke+Devrient Currency Technology GmbH
(72) RAUCH, Andreas
SIEVERS, Frank
KIEFERSAUER, Georg
SEISS, Birgit
FUHSE, Christian
PRETSCH, Andreas
RAHM, Michael
HEIM, Manfred
HOFFMÜLLER, Winfried
ZASCHKA, Herbert
(31) 102015015378
(32) 27.11.2015
(33) Germany

(51) B42D 25/425
B42D 25/324
B42D 25/369
B42D 25/373
B42D 25/378
B42D 25/29
B42D 25/26
B42D 25/24
B42D 25/23
D21H 25/00
D21H 19/00
(11) EP3326833
(21) EP17001930.1
(47) 11.09.2019
(22) 24.11.2017
(54) SCREEN PRINTING OF EFFECT COLOURS ON VALUABLE DOCUMENTS
(73) Giesecke+Devrient Currency Technology GmbH
(72) Voit, Max
Kisselova-Weckerle, Yana
Otto, Daniela
(31) 102016014205
(32) 29.11.2016
(33) Germany

(51) B42D 25/45
B42D 25/351
B42D 25/382
B42D 25/387
B42D 25/378
B42D 25/41
G07D 7/12
(11) EP3317114
(21) EP16735846.4
(47) 11.09.2019
(87) EP2016065530
12.01.2017
(22) 01.07.2016
(54) SECURITY OR VALUABLE DOCUMENT WITH A LUMINESCENT FEATURE AND METHOD FOR CHECKING THE AUTHENTICITY OF THE SECURITY OR VALUABLE DOCUMENT
(73) Bundesdruckerei GmbH
(72) GUTMANN, Roland
MOMBRÉE, Alexander
KOSIOR, Olga
PAUL, Peter
ZIMMER, Reiner
(31) 102015212492
(32) 03.07.2015
(33) Germany

(51) B60B 3/02
B60B 25/08
B60B 25/20
(11) EP3332985
(21) EP17203995.0
(47) 11.09.2019
(22) 28.11.2017
(54) AN AIRCRAFT WHEEL WITH A REMOVABLE RIM FLANGE
(73) Safran Landing Systems
(72) DELAYRE, Xavier
(31) 1661717
(32) 30.11.2016
(33) France

(51) B60B 3/12
B60B 7/01
B60B 7/02
B60B 7/06
(11) EP2823970
(21) EP14174060.5
(47) 11.09.2019
(22) 26.06.2014
(54) Ring for a wheel, and wheel having such a ring
(73) BBS Motorsport GmbH
(72) Wurft, Jörg
Müller, Roman
(31) 102013213356
(32) 08.07.2013

(33) Germany

(51) B60B 5/02
B60B 21/02
B29C 53/56
B29C 70/52
(11) EP2626218
(21) EP12194493.8
(47) 11.09.2019
(22) 27.11.2012
(54) Method for manufacturing a wheel rim from fibre composite material and wheel rim for a motor vehicle
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) Keller, David
(31) 102012202048
(32) 10.02.2012
(33) Germany

(51) B60C 1/00
C08L 9/00
C08L 9/06
C08K 3/04
C08K 3/36
C08K 3/013
(11) EP3064543
(21) EP14864481.8
(47) 11.09.2019
(87) JP2014077881
28.05.2015
(22) 21.10.2014
(54) WINTER TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) MIYAZAKI Tatsuya
(31) 2013240132
(32) 20.11.2013
(33) Japan

(51) B60C 7/12
B60C 7/22
B60C 11/01
B60C 7/10
(11) EP2476563
(21) EP12150123.3
(47) 11.09.2019
(22) 04.01.2012
(54) Solid tyre
(73) BTS Befestigungselemente-Technik und Vertrieb Gesellschaft m.b.H.
(72) Sawatzki, Günter
(31) 102011008529
(32) 13.01.2011
(33) Germany

(51) B60C 9/20
(11) EP3145729
(21) EP15704019.7
(47) 11.09.2019
(87) EP2015053048
26.11.2015
(22) 13.02.2015
(54) VEHICLE PNEUMATIC TYRE
(73) Continental Reifen Deutschland GmbH
(72) LACKO, Michal
GEHLAUF, Matthias
WACHMANN, Fabian
(31) 102014209423
(32) 19.05.2014
(33) Germany

(51) B60C 11/00
B60C 11/04
B60C 11/11
B60C 11/03
(11) EP3020573
(21) EP14822830.7
(47) 11.09.2019
(87) JP2014003198
15.01.2015
(22) 16.06.2014
(54) PNEUMATIC TIRE
(73) Bridgestone Corporation
(72) IWATANI, Takeshi
HASHIMOTO, Kento
(31) 2013146665
(32) 12.07.2013
(33) Japan

(51) B60C 11/03
(11) EP3118025
(21) EP16177400.5
(47) 11.09.2019
(22) 01.07.2016
(54) PNEUMATIC TIRE
(73) SUMITOMO RUBBER INDUSTRIES LIMITED
(72) NAGASE, Hiroki
(31) 2015141930
(32) 16.07.2015
(33) Japan

(51) B60C 11/03
B60C 11/12
(11) EP3290234
(21) EP17180685.4
(47) 11.09.2019
(22) 11.07.2017
(54) TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) ARAI, Hiroshi
(31) 2016169907
(32) 31.08.2016
(33) Japan

(51) B60C 11/03
B60C 11/16
(11) EP3368344
(21) EP16733986.0
(47) 11.09.2019
(87) EP2016065638
04.05.2017
(22) 04.07.2016
(54) PNEUMATIC TIRE
(73) Continental Reifen Deutschland GmbH
(72) WIESE, Klaus
HEINHAUPT, Torsten
VELLINGA-WALLENHAUER, Marieken
SCHLITTENHARD, Jan
(31) 102015221117
(32) 29.10.2015
(33) Germany

(51) B60C 11/04
B60C 11/03
B60C 3/04
(11) EP2641753
(21) EP11841825.0
(47) 11.09.2019
(87) JP2011005743
24.05.2012
(22) 13.10.2011
(54) PNEUMATIC RADIAL TIRE FOR USE ON PASSENGER VEHICLE
(73) Bridgestone Corporation
(72) HATANAKA, Shintaro
KUWAYAMA, Isao
(31) 2010255056
(32) 15.11.2010
(33) Japan

(51) B60C 11/12
B60C 11/03
B60C 11/04
(11) EP3305557
(21) EP16799511.7
(47) 11.09.2019
(87) JP2016002031
01.12.2016
(22) 14.04.2016
(54) PNEUMATIC TIRE
(73) Bridgestone Corporation
(72) HATANAKA, Shintaro
(31) 2015105695
(32) 25.05.2015
(33) Japan

(51) B60C 11/13
(11) EP3204243
(21) EP15736273.2
(47) 11.09.2019
(87) EP2015065825
14.04.2016
(22) 10.07.2015
(54) VEHICLE TIRES
(73) Continental Reifen Deutschland GmbH
(72) BEHR, Ulrich
(31) 102014220147
(32) 06.10.2014
(33) Germany

(51) B60C 15/06
B60C 17/00
(11) EP2974891
(21) EP14773807.4
(47) 11.09.2019
(87) JP2014051960
02.10.2014
(22) 29.01.2014
(54) PNEUMATIC TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) SAGAWA Takamichi
(31) 2013064673
(32) 26.03.2013
(33) Japan

(51) B60C 19/08
B60C 15/06
(11) EP3365189
(21) EP16733984.5
(47) 11.09.2019
(87) EP2016065635
27.04.2017
(22) 04.07.2016
(54) PNEUMATIC VEHICLE TIRE
(73) Continental Reifen Deutschland GmbH
(72) WEBER, Christian
KENDZIORRA, Norbert
(31) 102015220492
(32) 21.10.2015
(33) Germany

(51) B60C 23/00
B60C 5/02
(11) EP3374204
(21) EP16793923.0

(47) 11.09.2019
(87) EP2016077328
18.05.2017
(22) 10.11.2016
(54) A CONTROL CIRCUIT FOR CONTROLLING THE PRESSURE OF A TIRE WHEEL
(73) CNH Industrial Italia S.P.A.
(72) BENEVELLI, Alessandro
MORSELLI, Riccardo
(31) UB20155567
(32) 13.11.2015
(33) Italy

(51) B60C 23/00
F16J 15/34
(11) EP3320239
(21) EP16747723.1
(47) 11.09.2019
(87) DE2016200303
12.01.2017
(22) 01.07.2016
(54) ROTARY FEEDTHROUGH FOR A VEHICLE
(73) Schaeffler Technologies AG & Co. KG
GAPI Technische Produkte GmbH
(72) BREHM, Horst
FLINT, Andreas
HOFMANN, Andre
NIEDERLE, Sebastian
SCHÄFER, Marc-André
HEUBERGER, Robert
(31) 102015212642
(32) 07.07.2015
(33) Germany

(51) B60D 1/24
B60D 1/48
B60D 1/56
(11) EP3085554
(21) EP16159235.7
(47) 11.09.2019
(22) 08.03.2016
(54) BUMPER ASSEMBLY INCLUDING A TOWING NUT AND VEHICLE INCLUDING SUCH A BUMPER ASSEMBLY
(73) PSA Automobiles SA
(72) BESSETTE, Damien
MERESSE, Ludovic
(31) 1553563
(32) 21.04.2015
(33) France

(51) B60D 5/00
B61D 17/20
(11) EP3124294
(21) EP16175459.3
(47) 11.09.2019
(22) 21.06.2016
(54) COVERING DEVICE FOR COVERING A FLOOR GAP, AS WELL AS A VEHICLE HAVING SUCH A COVERING DEVICE
(73) Siemens Mobility GmbH
(72) Szatrowski, Leszek
(31) 102015214475
(32) 30.07.2015
(33) Germany

(51) B60G 3/18
B62D 5/04
B62D 6/00
B62D 7/18
B62D 101/00
B62D 111/00
B62D 113/00
B62D 119/00
B60G 3/20
(11) EP2647548
(21) EP11844970.1
(47) 11.09.2019
(87) JP2011006586
07.06.2012
(22) 25.11.2011
(54) VEHICLE, AND METHOD FOR STEERING CONTROL OF SAME
(73) Nissan Motor Co., Ltd
(72) KAGEYAMA, Yusuke
MIKURIYA, Yutaka
(31) 2010265680
2011232879
(32) 29.11.2010
24.10.2011
(33) Japan
Japan

(51) B60G 13/08
F16F 9/36
F16F 9/38
F16F 9/06
F16F 9/19
F16F 9/32
(11) EP3322912
(21) EP16738140.9
(47) 11.09.2019
(87) EP2016066434
19.01.2017
(22) 11.07.2016
(54) VIBRATION DAMPER
(73) ThyssenKrupp Bilstein GmbH
thyssenkrupp AG
(72) MUNTEANU, Virgil
REIMANN, Thilo
(31) 102015111538
(32) 16.07.2015
(33) Germany

(51) B60G 17/08
B60G 17/018
B60G 17/0165
(11) EP3156270
(21) EP16001690.3
(47) 11.09.2019
(22) 29.07.2016
(54) METHOD AND DEVICE FOR ADAPTING THE DAMPING FORCE OF ADJUSTABLE AUTOMOTIVE DAMPERS IN MOTOR VEHICLES
(73) MAN Truck & Bus SE
(72) Maisel, Andreas
Wagner, Philipp
(31) 102015013427
(32) 15.10.2015
(33) Germany

(51) B60H 1/00
B60H 1/32
(11) EP2874836
(21) EP13767102.0
(47) 11.09.2019
(87) IB2013055886
23.01.2014
(22) 17.07.2013
(54) ASSEMBLY COMPRISING A GENERATOR AND ELECTRIC MOTORS, FOR A VEHICLE COOLING OR AIR-CONDITIONING SYSTEM
(73) Moteurs Leroy-Somer
(72) GIRAUD, Régis
DEDIEU, Stéphane
(31) 1257008
(32) 19.07.2012
(33) France

(51) B60H 1/00
B60H 1/34
(11) EP3269570
(21) EP16179577.8
(47) 11.09.2019
(22) 14.07.2016
(54) DISPLAY UNIT WITH INTEGRATED MEANS FOR AIR FLOW DEFLECTION
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
(72) KIRISKEN, Barbaros
ÖCAL, Ömür

(51) B60H 1/32
B60H 3/02
(11) EP3368356
(21) EP16809210.4
(47) 11.09.2019
(87) TR2016050399
04.05.2017
(22) 24.10.2016
(54) A CABIN COOLING SYSTEM WITH AN AIR DRYING MEMBRANE
(73) Tofas Turk Otomobil Fabrikasi Anonim Sirketi
(72) AYARTURK, Hasan
(31) 201513402
(32) 27.10.2015
(33) Turkey

(51) B60H 1/34
(11) EP3388264
(21) EP18156313.1
(47) 11.09.2019
(22) 12.02.2018
(54) AIR-CONDITIONING REGISTER
(73) Toyoda Gosei Co., Ltd.
(72) TERASAWA, Kengo
(31) 2017070267
(32) 31.03.2017
(33) Japan

(51) B60H 3/02
(11) EP3374217
(21) EP16813255.3
(47) 11.09.2019
(87) TR2016050428
18.05.2017
(22) 07.11.2016
(54) A HEATING AND DEMISTING SYSTEM
(73) Tofas Turk Otomobil Fabrikasi Anonim Sirketi
(72) AYARTURK, Hasan
(31) 201514162
(32) 11.11.2015
(33) Turkey

(51) B60J 1/00
(11) EP2764998
(21) EP13425023.2
(47) 11.09.2019
(22) 06.02.2013

(54) Window construction
(73) ISOCLIMA S.p.A.
(72) Bertolini, Alberto
(51) B60J 1/10
B29C 45/14
B29L 31/00
B29K 709/08
B60J 10/70
(11) EP3164282
(21) EP15814561.5
(47) 11.09.2019
(87) CN2015083020
07.01.2016
(22) 01.07.2015
(54) GLASS ENCAPSULATION STRUCTURE AND INJECTION MOLDING DEVICE
(73) Saint-Gobain Glass France
(72) YU, Zhizhao
SHENG, Pingchun
(31) 201410318143
(32) 04.07.2014
(33) China

(51) B60J 1/20
(11) EP2979908
(21) EP15177899.0
(47) 11.09.2019
(22) 22.07.2015
(54) SHADING DEVICE FOR A TRANSPARENT SURFACE OF A MOTOR VEHICLE
(73) BOS GmbH & Co. KG
(72) Maier, Matthias
Meyer, Ronald
Walter, Herbert
(31) 102014215151
102014218566
(32) 01.08.2014
16.09.2014
(33) Germany
Germany

(51) B60J 1/20
(11) EP2614974
(21) EP12199707.6
(47) 11.09.2019
(22) 28.12.2012
(54) Roller blind system for a motor vehicle
(73) BOS GmbH & Co. KG
(72) Hansen, Melf
Maier, Matthias
Celebi, Osman
(31) 102012200259
(32) 10.01.2012
(33) Germany

(51) B60J 10/00
B60J 1/02
B60J 10/70
B60J 10/35
(11) EP3256339
(21) EP16707902.9
(47) 11.09.2019
(87) FR2016050314
18.08.2016
(22) 11.02.2016
(54) GLAZING COMPRISING A PROFILED CLIP-FASTENING BEAD WITH HOLE
(73) Saint-Gobain Glass France
(72) DALMASSO, Giovanni
TROMBETTA, Nicola
(31) 1551205
(32) 13.02.2015
(33) France

(51) B60J 10/16
B60J 10/18
B60J 10/265
B60J 10/30
B60J 10/88
(11) EP2944492
(21) EP14168276.5
(47) 11.09.2019
(22) 14.05.2014
(54) A glass run seal for a movable pane in a vehicle window aperture.
(73) Volvo Car Corporation
(72) Jonsson, Mats

(51) B60K 5/12
F16F 1/38
(11) EP3325299
(21) EP16739219.0
(47) 11.09.2019
(87) FR2016051443
02.02.2017
(22) 15.06.2016
(54) PIVOT DEVICE
(73) PSA AUTOMOBILES S.A.
(72) LAMBERT, Samuel
(31) 1557045
(32) 24.07.2015
(33) France

(51) B60K 6/26
B60K 6/48
B60K 6/547
B60W 10/06
B60W 10/08
B60W 20/00
B60W 20/10
B60L 50/40
B60L 50/13
B60L 50/61
B60L 50/16
B60L 53/00
(11) EP1899192
(21) EP06773681.9
(47) 11.09.2019
(87) US2006024130
04.01.2007
(22) 02.06.2006
(54) POWER GENERATION SYSTEM SUITABLE FOR HYBRID ELECTRIC VEHICLES
(73) Continental Automotive Systems, Inc.
(72) DENG, Duo
HARMON, Kent, M.
FRANKLIN, John, D.
(31) 693370 P
(32) 22.06.2005
(33) United States of America

(51) B60K 15/03
B29C 49/04
B29C 49/20
B29C 49/22
F02M 37/00
(11) EP3050734
(21) EP14849026.1
(47) 11.09.2019
(87) JP2014075384
02.04.2015
(22) 25.09.2014
(54) PROCESS FOR THE PRODUCTION OF AN AUTOMOBILE FUEL TANK
(73) Honda Motor Company Limited
(72) TANAKA Kotaro
KITAMURA Hiroshi
(31) 2013197891
2013197892
(32) 25.09.2013
25.09.2013
(33) Japan
Japan

(51) B60K 15/04
B60K 15/05
B60K 15/03
(11) EP3424765
(21) EP18182108.3
(47) 11.09.2019
(22) 06.07.2018
(54) ELECTRICALLY ACTUATED TANK FLAP DEVICE FOR A VEHICLE AND A VEHICLE OF THIS NATURE
(73) Kunststoff Schwanden AG
(72) Ackermann, Saimen
Eulitz, Falk
(31) 102017115106
(32) 06.07.2017
(33) Germany

(51) B60K 17/10
B60K 17/356
F16H 61/4192
(11) EP2832573
(21) EP14000936.6
(47) 11.09.2019
(22) 14.03.2014
(54) Hydraulic system with pump speed safety system
(73) MAN Truck & Bus SE
(72) Beierer, Philipp
Linke, Ingo
Resch, Franz
(31) 102013012985
(32) 03.08.2013
(33) Germany

(51) B60K 26/02
(11) EP3186103
(21) EP15738017.1
(47) 11.09.2019
(87) EP2015065567
03.03.2016
(22) 08.07.2015
(54) ACTIVE ACCELERATOR PEDAL COMPRISING A WORM GEAR
(73) Robert Bosch GmbH
(72) SCHWEINFURTH, Reiner
SIEBER, Udo
HENNING, Daniel
NOACK, Bjoern
HLAVKA, Milos
(31) 102014217319
(32) 29.08.2014
(33) Germany

(51) B60K 26/02
B60W 50/16
G05G 5/03
G05G 1/44
(11) EP3328674
(21) EP16736796.0

(47) 11.09.2019
(87) EP2016001169
09.02.2017
(22) 07.07.2016
(54) METHOD FOR CAREFUL OPERATION OF AN ACTUATOR FOR A FORCE CONTROLLER OF AN ACCELERATOR PEDAL
(73) Audi AG
(72) LEPCZYK, Daniel
DIETRICH, Maximilian
MAKHORTOVA, Daria
(31) 102015010034
(32) 01.08.2015
(33) Germany

(51) B60K 28/06
(11) EP2977253
(21) EP15175175.7
(47) 11.09.2019
(22) 03.07.2015
(54) STARTING MECHANISM FOR A MOTOR VEHICLE
(73) Ford Global Technologies, LLC
(72) Mathissen, Marcel
Vogt, Rainer
Lindner, Hans-Joachim
(31) 102014214099
(32) 21.07.2014
(33) Germany

(51) B60K 35/00
G02B 5/08
G02B 27/01
(11) EP2979915
(21) EP13880386.1
(47) 11.09.2019
(87) JP2013059125
02.10.2014
(22) 27.03.2013
(54) VIRTUAL IMAGE GENERATION DEVICE AND HEAD-UP DISPLAY
(73) Pioneer Corporation
(72) YANAGISAWA, Takuma

(51) B60L 3/00
B32B 15/00
B60R 13/08
H01B 7/08
(11) EP3344487
(21) EP16757299.9
(47) 11.09.2019
(87) FR2016051898
09.03.2017
(22) 21.07.2016
(54) DEVICE FOR PROTECTING POWER CABLES OF AN ELECTRICAL POWERTRAIN
(73) Renault S.A.S.
(72) LEBIGRE, Richard
(31) 1558217
(32) 04.09.2015
(33) France

(51) B60L 53/122
(11) EP3071440
(21) EP14802389.8
(47) 11.09.2019
(87) EP2014074889
28.05.2015
(22) 18.11.2014
(54) A METHOD OF OPERATING A THREE PHASE PRIMARY WINDING STRUCTURE AND A PRIMARY UNIT
(73) Bombardier Primove GmbH
(72) WORONOWICZ, Konrad
CZAINSKI, Robert
ANDERS, Dominik
SAFAEE, Alireza
(31) 201320400
(32) 19.11.2013
(33) United Kingdom

(51) B60N 2/08
B60N 2/07
(11) EP3061645
(21) EP14855712.7
(47) 11.09.2019
(87) JP2014078374
30.04.2015
(22) 24.10.2014
(54) VEHICULAR SEAT SLIDE DEVICE
(73) Aisin Seiki Kabushiki Kaisha
(72) SATOH, Takanori
KOJIMA, Yasuhiro
(31) 2013222351
2013222352
(32) 25.10.2013
25.10.2013
(33) Japan
Japan

(51) B60N 2/16
B60N 2/52
B60N 2/50
B60N 2/54
(11) EP2990261
(21) EP14787476.2
(47) 11.09.2019
(87) JP2014061340
30.10.2014
(22) 22.04.2014
(54) SEAT SUSPENSION
(73) Delta Tooling Co., Ltd.
(72) FUJITA Etsunori
OSHIMO Hiroki
(31) 2013093121
(32) 25.04.2013
(33) Japan

(51) B60N 2/24
(11) EP3321126
(21) EP17200521.7
(47) 11.09.2019
(22) 08.11.2017
(54) BELT FRAME FOR A VEHICLE SEAT
(73) AGUTI PRODUKTENTWICKLUNG & DESIGN GMBH
(72) Grieger, Andreas
(31) 102016121619
102017109467
(32) 11.11.2016
03.05.2017
(33) Germany
Germany

(51) B60N 2/28
(11) EP2848460
(21) EP14184906.7
(47) 11.09.2019
(22) 16.09.2014
(54) Baby safety seat and a wheel for use therein
(73) Doona Holdings Ltd.
(72) Mazar, Yoav
(31) 22849213
23047614
(32) 17.09.2013
16.01.2014
(33) Israel
Israel

(51) B60N 2/28
(11) EP2847034
(21) EP13724130.3
(47) 11.09.2019
(87) US2013040429
14.11.2013
(22) 09.05.2013
(54) HARNESS GUARD SAFETY SYSTEM
(73) Britax Child Safety Inc.
(72) DASENT, Marlon G.
FRANCK, Christopher G.
STRONG, Lynn Curtis
MASON, Grant
(31) 201261644862 P
201261644893 P
(32) 09.05.2012
09.05.2012
(33) United States of America
United States of America

(51) B60N 2/28
B60N 2/01
B60N 2/02
B60N 2/06
(11) EP3371001
(21) EP16793850.5
(47) 11.09.2019
(87) EP2016076884
11.05.2017
(22) 07.11.2016
(54) SEAT AND BASE FOR THE TRANSPORT OF A CHILD IN A VEHICLE
(73) Dorel France
(72) PASQUIER, Nicolas
BONNET, Philippe
(31) 1560636
1650060
1656562
(32) 05.11.2015
05.01.2016
07.07.2016
(33) France
France
France

(51) B60N 2/30
(11) EP3266648
(21) EP16177858.4
(47) 11.09.2019
(22) 04.07.2016
(54) SEAT HAVING FOLDABLE STRUCTURE FOR VEHICLES
(73) BRUSA Koltuk ve Ic Trim Teknolojileri Sanayi ve Tiaret A.S.
(72) Tuna, Berke

(51) B60N 2/30
(11) EP3374230
(21) EP16794595.5
(47) 11.09.2019
(87) EP2016077153
18.05.2017
(22) 09.11.2016
(54) SEATING DEVICE FOR A VEHICLE

(73) Volkswagen Aktiengesellschaft
(72) SZLAG, Robert
(31) 102015222093
(32) 10.11.2015
(33) Germany

(51) B60N 2/58
(11) EP3072736
(21) EP16161269.2
(47) 11.09.2019
(22) 18.03.2016
(54) COVER ANCHOR CLIP
(73) Nifco Inc.
Toyota Boshoku Kabushiki Kaisha
(72) SATO, Takehiro
TSUNODA, Ryuji,
YASUDA, Ryo
(31) 2015066227
(32) 27.03.2015
(33) Japan

(51) B60N 2/64
B60N 2/66
B60N 2/68
B60N 2/22
B60N 2/39
B60N 2/02
(11) EP2957459
(21) EP15172574.4
(47) 11.09.2019
(22) 17.06.2015
(54) VEHICLE SEAT
(73) Toyota Jidosha Kabushiki Kaisha
(72) KATOH, Kohshi
TAKEUCHI, Eishi
HAMABE, Tsutomu
SUWA, Yasuhiro
(31) 2014127406
(32) 20.06.2014
(33) Japan

(51) B60N 2/80
B60N 2/879
B60N 2/58
B60R 11/00
B60R 11/02
B60N 2/60
(11) EP3359417
(21) EP16784239.2
(47) 11.09.2019
(87) FR2016052488
13.04.2017
(22) 29.09.2016
(54) MOTOR VEHICLE SEAT HEADREST
(73) TESCA France
(72) BIEVEN, Franck
GANIER, David
(31) 1559636
(32) 09.10.2015
(33) France

(51) B60P 1/02
(11) EP2925563
(21) EP13796154.6
(47) 11.09.2019
(87) GB2013053112
05.06.2014
(22) 26.11.2013
(54) TRANSPORTER
(73) MMD Design & Consultancy Limited
(72) BARBER, Richard
(31) 201221298
(32) 27.11.2012
(33) United Kingdom

(51) B60P 1/02
B60P 3/08
B61D 3/18
(11) EP3148841
(21) EP15736535.4
(47) 11.09.2019
(87) FR2015051406
03.12.2015
(22) 27.05.2015
(54) GRIPPER FOR GRIPPING, MOVING AND DEPOSITING A PALLET
(73) Lohr Electromecanique
(72) SCHEER, Daniel
(31) 1454779
(32) 27.05.2014
(33) France

(51) B60P 1/30
(11) EP3265342
(21) EP16759545.3
(47) 11.09.2019
(87) US2016020793
09.09.2016
(22) 04.03.2016
(54) VEHICLE TRAILER SYSTEM
(73) Stahl, Richard Alan
Crosby, Marshall Roy
Engelbrecht, Frederick W. Anton
(72) STAHL, Richard Alan
CROSBY, Marshall Roy
DAGENAIS, Roderick R.
(31) 201562128423 P
(32) 04.03.2015
(33) United States of America

(51) B60P 1/36
B60P 1/52
B60P 7/15
(11) EP3157781
(21) EP15736557.8
(47) 11.09.2019
(87) FR2015051600
23.12.2015
(22) 17.06.2015
(54) DEVICE FOR LOADING AND UNLOADING BOXES FROM A VAN
(73) Gruau Laval
(72) BOSCHER, David
(31) 1455562
(32) 17.06.2014
(33) France

(51) B60P 1/48
(11) EP2918444
(21) EP15154115.8
(47) 11.09.2019
(22) 06.02.2015
(54) Skip loader
(73) Franz Xaver Meiller Fahrzeug- und Maschinenfabrik-GmbH & Co KG
(72) Stieglbauer, Peter
Stühler, Horst
Drexler, Hubert
(31) 102014202476
(32) 11.02.2014
(33) Germany

(51) B60P 3/20
B60H 1/00
B60H 1/32
(11) EP3271210
(21) EP15732327.0
(47) 11.09.2019
(87) IB2015000530
29.09.2016
(22) 20.03.2015
(54) HEAT AND DUST SHIELD
(73) Carrier Corporation
(72) VAAS, Philippe Thierry
LIEBMANN, Aurélie

(51) B60P 3/34
B60P 3/07
(11) EP2599664
(21) EP12194736.0
(47) 11.09.2019
(22) 29.11.2012
(54) Vehicle with ejection unit
(73) Schuler Fahrzeugbau GmbH
(72) Kirn, Holger
(31) 102011119987
(32) 02.12.2011
(33) Germany

(51) B60Q 1/00
F21S 43/19
F21S 41/19
(11) EP3040238
(21) EP15173466.2
(47) 11.09.2019
(22) 23.06.2015
(54) LIGHT DEVICE FOR A MOTOR VEHICLE
(73) VALEO ILUMINACION
(72) CABANNE, Damien
AGUILAR DEL MORAL, Jose-Antonio
RODRIGUEZ - FUENTES, Alberto
CASTILLO - JIMENEZ, Jose
(31) 1456096
(32) 27.06.2014
(33) France

(51) B60Q 1/14
B60Q 1/08
B60J 3/04
B60K 35/00
(11) EP3357753
(21) EP18154360.4
(47) 11.09.2019
(22) 31.01.2018
(54) DRIVING ASSISTANCE METHOD AND SYSTEM
(73) Valeo Vision
(72) HUE, David
AHIAD, Samia
JIN, Hui
BEEV, Kostadin
MEZARI, Rezak
GARNIER, Denis
GUIJARRO, Nicolas
(31) 1750989
(32) 07.02.2017
(33) France

(51) B60Q 1/18
B60Q 1/08
B60Q 1/52
(11) EP2562044
(21) EP12174692.9
(47) 11.09.2019
(22) 03.07.2012

(54) Method for controlling a light emission of a headlamp of a vehicle
(73) ROBERT BOSCH GMBH
(72) Mohamed, Manoj
(31) 102011081360
(32) 23.08.2011
(33) Germany

(51) B60Q 3/54
B60Q 3/62
B60Q 3/64
B60Q 3/20
B60Q 3/217
B60Q 3/233
B60Q 3/74
B60Q 3/76
B60Q 3/14
(11) EP2762362
(21) EP14151698.9
(47) 11.09.2019
(22) 20.01.2014
(54) INTERIOR LINING COMPONENT FOR A MOTOR VEHICLE AND METHOD FOR MANUFACTURING IT
(73) International Automotive Components Group GmbH
(72) Cannon, Carter Scott
Behnke, Michael
(31) 102013100941
(32) 30.01.2013
(33) Germany

(51) B60Q 9/00
B60R 1/00
G08G 1/16
(11) EP3418121
(21) EP18173140.7
(47) 11.09.2019
(22) 18.05.2018
(54) DEVICE FOR DISPLAYING A MOTION OF A VEHICLE DOOR AND ASSOCIATED METHOD
(73) RENAULT s.a.s.
(72) AMBROISE, Stephanie
(31) 1755558
(32) 19.06.2017
(33) France

(51) B60R 1/00
(11) EP2692585
(21) EP13177286.5
(47) 11.09.2019
(22) 19.07.2013
(54) External camera external housing for use in transport technology
(73) Kamera & Systemtechnik GmbH
(72) Schönherr, Hans-Jörg
Steinike, Dirk
Rüdiger, Frank
Fröhlich, Jochen
Lecrivain, Gregory
(31) 102012107170
(32) 03.08.2012
(33) Germany

(51) B60R 13/08
B32B 5/18
G10K 11/16
(11) EP3090903
(21) EP16167950.1
(47) 11.09.2019
(22) 02.05.2016
(54) MOTOR VEHICLE WALL HAVING TWO SKINS PROVIDED WITH PROTRUSIONS AND SANDWICHING A CORE
(73) COMPAGNIE PLASTIC OMNIUM
(72) HERAULT, Richard
(31) 1554023
(32) 05.05.2015
(33) France

(51) B60R 19/48
G01S 7/521
G10K 9/22
(11) EP3350026
(21) EP16751176.5
(47) 11.09.2019
(87) EP2016066870
23.03.2017
(22) 15.07.2016
(54) FIXING COVER FOR AN ACOUSTIC SENSOR IN AN OPENING OF A VEHICLE COMPONENT
(73) Robert Bosch GmbH
(72) KARL, Matthias
(31) 102015217738
(32) 16.09.2015
(33) Germany

(51) B60R 21/00
G08B 21/00
G08G 1/13
B60Q 1/52
B60R 21/0132
(11) EP3345792
(21) EP18154333.1
(47) 11.09.2019
(22) 28.05.2015
(54) AUTOMATIC ALERTING DEVICE AND AUTOMATIC ALERTING METHOD
(73) ROBERT BOSCH GMBH
(72) OBUCHI, Hisashi
(31) 2014129220
(32) 24.06.2014
(33) Japan

(51) B60R 21/203
(11) EP3275737
(21) EP16181545.1
(47) 11.09.2019
(22) 27.07.2016
(54) A MOUNTING ARRANGEMENT
(73) Autoliv Development AB
(72) BURGER, Michael
KRANZLE, Armin

(51) B60R 21/203
B60R 21/231
B60R 21/233
(11) EP3342649
(21) EP16207294.6
(47) 11.09.2019
(22) 29.12.2016
(54) AIR-BAG CUSHION ASSEMBLY
(73) Autoliv Development AB
(72) NEBEL, Raimund
HARTMAN, Rainer
WEBER, Marcus
BRUNNER, Patrick
ANAE, Gavin

(51) B60R 21/205
(11) EP3294592
(21) EP16721361.0
(47) 11.09.2019
(87) EP2016000735
17.11.2016
(22) 04.05.2016
(54) AIRBAG MODULE AND ASSEMBLY
(73) TRW Automotive GmbH
(72) SCHMID, Juergen
(31) 102015006128
(32) 09.05.2015
(33) Germany

(51) B60R 21/21
B60R 21/231
(11) EP3390165
(21) EP16815607.3
(47) 11.09.2019
(87) FR2016053112
22.06.2017
(22) 28.11.2016
(54) TRIM DEVICE WITH BUILT-IN AIRBAG FOR A MOTOR VEHICLE
(73) PSA AUTOMOBILES S.A.
(72) VOITOT, Jean
THIEL, Marc
COMBEAU, Frederic
MARTIN, Philippe
COMBET, Fabrice
(31) 1562679
(32) 17.12.2015
(33) France

(51) B60R 21/231
B29C 65/48
B29C 65/18
B29C 65/10
B29L 22/02
(11) EP2689974
(21) EP12177828.6
(47) 11.09.2019
(22) 25.07.2012
(54) METHOD FOR PRODUCING A VEHICLE AIR-BAG
(73) Autoliv Development AB
(72) Abaziou, Xavier

(51) B60R 22/46
(11) EP3254909
(21) EP16173048.6
(47) 11.09.2019
(22) 06.06.2016
(54) A BELT RETRACTOR FOR A VEHICLE SAFETY BELT SYSTEM
(73) TRW Automotive GmbH
TRW Polska Sp.z.o.o.
(72) Büchsner, Michael
Krukowski, Krzysztof
Kiwacz, Michal

(51) B60S 1/04
B62D 25/08
B62D 25/14
(11) EP3007941
(21) EP14732261.4
(47) 11.09.2019
(87) FR2014051088
18.12.2014
(22) 12.05.2014
(54) SUPPORT DEVICE FOR WINDOW WIPER
(73) Renault s.a.s.
(72) DJEKOUANE, Karim
VERO, Emmanuel

BUCUR, Radu
(31) 1355554
(32) 14.06.2013
(33) France

(51) B60S 1/08
B60S 1/48
(11) EP3204267
(21) EP15820051.9
(47) 11.09.2019
(87) EP2015073302
14.04.2016
(22) 08.10.2015
(54) CONTROL OF A WIPING SYSTEM COMPRISING AN AUTOMATIC WIPING FUNCTION FOR A MOTOR VEHICLE
(73) Valeo Systèmes d'Essuyage
(72) PEROT, Etienne
(31) 1402268
(32) 08.10.2014
(33) France

(51) B60T 1/10
B60T 17/02
B60K 6/12
(11) EP2571735
(21) EP11709004.3
(47) 11.09.2019
(87) EP2011001111
24.11.2011
(22) 07.03.2011
(54) VEHICLE COMPRESSED AIR CONTROL DEVICE AND CONTROL METHOD THEREOF
(73) WABCO GmbH
(72) EISFELDER, Stephan
STUMBERG, Ingo
WIEHEN, Christian
WILKEN, Christoph
(31) 102010033539
102010020672
(32) 05.08.2010
15.05.2010
(33) Germany
Germany

(51) B60T 7/08
(11) EP3356190
(21) EP16785202.9
(47) 11.09.2019
(87) FR2016052397
06.04.2017
(22) 22.09.2016
(54) COMMAND LEVER PROTECTION SHEATING ARRANGEMENT
(73) Renault S.A.S.
(72) PERRIN, Vincent
VINCENT, Stephane
COMBRAY, Romain
(31) 1559120
(32) 28.09.2015
(33) France

(51) B60T 8/17
B64C 25/46
(11) EP2719592
(21) EP13186693.1
(47) 11.09.2019
(22) 30.09.2013
(54) An electromechanical braking system architecture
(73) Safran Landing Systems
(72) Thibault, Julien
(31) 1259633
(32) 09.10.2012
(33) France

(51) B60T 8/1755
B60T 7/22
(11) EP2913234
(21) EP15155114.0
(47) 11.09.2019
(22) 13.02.2015
(54) Automatic braking for driving in reverse
(73) ROBERT BOSCH GMBH
(72) Ignaczak, Brad
Kim, James
Neumeyer, Michael
Schwindt, Oliver
(31) 201414191505
(32) 27.02.2014
(33) United States of America

(51) B60T 8/40
(11) EP3056398
(21) EP16155231.0
(47) 11.09.2019
(22) 11.02.2016
(54) BRAKE SYSTEM
(73) Autoliv Nissin Brake Systems Japan Co., Ltd.
(72) Aoki, Yasushi
Tokoi, Hiroaki
Kobayashi, Nobuyuki
(31) 2015026985
2015026986
2015026987
2015026988
(32) 13.02.2015
13.02.2015
13.02.2015
13.02.2015
(33) Japan
Japan
Japan
Japan

(51) B60T 11/21
(11) EP3325319
(21) EP16779171.4
(47) 11.09.2019
(87) IB2016054314
26.01.2017
(22) 20.07.2016
(54) STROKE-CONTROLLED BALANCING VALVE FOR A HYDRAULIC BRAKING SYSTEM, BRAKING SYSTEM COMPRISING THE DEVICE AND METHOD OF OPERATING THE BRAKING SYSTEM
(73) VHIT S.p.A.
(72) CADEDDU, Leonardo
(31) UB20152356
(32) 21.07.2015
(33) Italy

(51) B60T 11/34
(11) EP3354529
(21) EP18152610.4
(47) 11.09.2019
(22) 19.01.2018
(54) BRAKE PRESSURE REDUCER VALVE WITH INPUT PRESSURE CHANGE COMPENSATION
(73) Goodrich Corporation
(72) AYICHEW, Efrem E.
(31) 201715415598
(32) 25.01.2017
(33) United States of America

(51) B60T 13/14
(11) EP3380373
(21) EP16797940.0
(47) 11.09.2019
(87) EP2016078115
01.06.2017
(22) 18.11.2016
(54) BRAKE DEVICE FOR VEHICLE HYDRAULIC BRAKE SYSTEM
(73) Continental Teves AG & Co. OHG
(72) PETZOLD, Falk
MESSNER, Adrian
RÜFFER, Manfred
JÜRGING, Michael
(31) 102015223047
(32) 23.11.2015
(33) Germany

(51) B60T 13/26
B60T 8/17
(11) EP2750949
(21) EP12712350.3
(47) 11.09.2019
(87) GB2012050659
27.12.2012
(22) 26.03.2012
(54) VEHICLE BRAKING SYSTEM
(73) Haldex Brake Products AB
(72) HARRISON, Dudley, John
(31) 201110568
(32) 22.06.2011
(33) United Kingdom

(51) B60T 13/52
(11) EP3272600
(21) EP17181510.3
(47) 11.09.2019
(22) 14.07.2017
(54) METHOD OF MANUFACTURING BRAKE BOOSTERS
(73) Robert Bosch GmbH
(72) Sadanowicz, David
Horner Jr., Charles Byron
(31) 201662363960 P
(32) 19.07.2016
(33) United States of America

(51) B60T 13/66
B60T 13/74
F16D 55/38
(11) EP3031682
(21) EP15198632.0
(47) 11.09.2019
(22) 09.12.2015
(54) CLOSED LOOP LOAD FORCE ESTIMATION SYSTEMS AND METHODS
(73) Goodrich Corporation
(72) SINGH, Sameep
KOLK, Richard
(31) 201414564558
(32) 09.12.2014
(33) United States of America

(51) B60T 13/74
B60T 11/18
B60T 7/04
(11) EP3350042

(21) EP16739171.3
(47) 11.09.2019
(87) EP2016067006
23.03.2017
(22) 18.07.2016
(54) ELECTROMECHANICAL BRAKE BOOSTER AND BRAKE SYSTEM
(73) Robert Bosch GmbH
(72) PANUNZIO, Giammaria
WEISSINGER, Daniel
BOLLWERK, Andre
NAGEL, Willi
(31) 102015217522
(32) 14.09.2015
(33) Germany

(51) B60T 13/74
B60T 17/22
F16D 59/02
F16D 55/28
(11) EP3042815
(21) EP15199579.2
(47) 11.09.2019
(22) 11.12.2015
(54) DRIVE OF AN INDUSTRIAL TRUCK WITH AN ELECTRIC MOTOR AND A SPRING-LOADED BRAKE DEVICE
(73) Linde Material Handling GmbH
(72) Pedelucq, Julien
(31) 102015100178
(32) 08.01.2015
(33) Germany

(51) B60T 13/74
F16H 19/04
(11) EP3350045
(21) EP16767257.5
(47) 11.09.2019
(87) EP2016072056
23.03.2017
(22) 16.09.2016
(54) ELECTROMECHANICAL BRAKE BOOSTER
(73) Lucas Automotive GmbH
(72) WINGENDER, Kurt
HOFMANN, Martin
KOETH, Boris
CALVO MARTINEZ, Jose Manuel
SPARFELD, Jens
(31) 102015012124
(32) 17.09.2015
(33) Germany

(51) B60T 15/18
F15B 21/00
(11) EP2475562
(21) EP10740153.1
(47) 11.09.2019
(87) EP2010004202
17.03.2011
(22) 09.07.2010
(54) RELAY VALVE DEVICE
(73) WABCO GmbH
(72) FUHRMANN, Ingo
GENSINK, Jan
STEINFELD, Dieter
(31) 102009040759
(32) 09.09.2009
(33) Germany

(51) B60T 17/02
F15B 21/04
(11) EP3322624
(21) EP16741285.7
(47) 11.09.2019
(87) EP2016066856
19.01.2017
(22) 15.07.2016
(54) METHOD AND DEVICE FOR CONTROLLING QUIET COMPRESSED-AIR TREATMENT
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) KRESS, Hartmut
(31) 102015111516
(32) 16.07.2015
(33) Germany

(51) B60W 10/06
B60W 10/08
B60W 20/00
B60W 30/18
B60W 40/12
B60K 6/48
B60W 10/26
(11) EP2648953
(21) EP10821442.0
(47) 11.09.2019
(87) IB2010003476
14.06.2012
(22) 09.12.2010
(54) METHOD FOR CONTROLLING A HYBRID AUTOMOTIVE VEHICLE AND HYBRID VEHICLE ADAPTED TO SUCH A METHOD
(73) Volvo Lastvagnar AB
(72) MAGNET, Christophe
MILLET, Michael

(51) B60W 20/00
B60W 10/08
B60W 10/06
B60W 30/182
B60W 50/00
B60W 10/02
B60W 20/10
F02N 11/00
(11) EP3274227
(21) EP16767739.2
(47) 11.09.2019
(87) CN2016076843
29.09.2016
(22) 21.03.2016
(54) HYBRID ELECTRIC VEHICLE, DRIVE CONTROL METHOD AND DEVICE OF THE SAME
(73) BYD Company Limited
(72) LIAN, Yubo
LING, Heping
LIU, Changjiu
LIU, Guorui
HUANG, Dongyue
(31) 201510133521
(32) 25.03.2015
(33) China

(51) B60W 20/13
B60W 10/06
B60W 10/08
B60W 20/12
B60W 50/00
(11) EP3153368
(21) EP15197102.5
(47) 11.09.2019
(22) 30.11.2015
(54) METHOD AND APPARATUS FOR CONTROLLING HYBRID ELECTRIC VEHICLE
(73) Hyundai Motor Company
Kia Motors Corporation
(72) YOON, Dong Pil
LEE, Jeamun
CHOI, Kwang Hun
KIM, Tae Soo
JO, Kyu Hwan
KIM, Jungwook
(31) 20150140438
(32) 06.10.2015
(33) Korea (Republic)

(51) B60W 30/095
B60W 30/18
B60W 40/04
B60W 30/00
(11) EP2995519
(21) EP15178221.6
(47) 11.09.2019
(22) 24.07.2015
(54) MODIFYING AUTONOMOUS VEHICLE DRIVING BY RECOGNIZING VEHICLE CHARACTERISTICS
(73) Volkswagen Aktiengesellschaft
(72) Horii, Hiroshi
(31) 201414482800
(32) 10.09.2014
(33) United States of America

(51) B60W 40/08
B60W 50/00
(11) EP3074291
(21) EP14786820.2
(47) 11.09.2019
(87) EP2014071450
28.05.2015
(22) 07.10.2014
(54) METHOD FOR EVALUATING THE BEHAVIOUR OF A DRIVER IN A VEHICLE
(73) Robert Bosch GmbH
(72) BUERKLE, Lutz
GLAESER, Claudius
MICHALKE, Thomas
(31) 102013224026
(32) 25.11.2013
(33) Germany

(51) B60W 40/109
B60W 40/114
B60W 40/105
B60W 40/10
(11) EP2870042
(21) EP13739769.1
(47) 11.09.2019
(87) FR2013051571
09.01.2014
(22) 03.07.2013
(54) METHOD FOR DETECTING THE DIRECTION OF TRAVEL OF A MOTOR VEHICLE
(73) JTEKT Europe
(72) CASSAR, Stéphane
MORETTI, Romain
LEYDIER, Luc
(31) 1256522

(32) 06.07.2012
(33) France

(51) B60W 40/12
B60W 40/13
(11) EP2380795
(21) EP09838258.3
(47) 11.09.2019
(87) JP2009050271
22.07.2010
(22) 13.01.2009
(54) VEHICLE CONDITION ESTIMATING DEVICE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) YOKOTA, Takahiro

(51) B61B 9/00
E01B 25/15
(11) EP2801503
(21) EP14167452.3
(47) 11.09.2019
(22) 07.05.2014
(54) Cable transportation system for moving transportation units along a given track
(73) LEITNER S.p.A.
(72) De Simone, Roberto
(31) MI20130741
(32) 07.05.2013
(33) Italy

(51) B61B 12/00
(11) EP2451690
(21) EP10742103.4
(47) 11.09.2019
(87) EP2010059409
13.01.2011
(22) 01.07.2010
(54) AERIAL ABLE CAR SYSTEM HAVING TRANSPORTATION OPERATING EQUIPMENT FOR PASSENGER AND/OR FREIGHT TRANSPORT
(73) Cwa Constructions Sa
(72) GUBLER, Daniel
(31) 10572009
PCT/EP2010/059096
(32) 08.07.2009
25.06.2010
(33) Switzerland
World Intellectual Property Office (WIPO)

(51) B61D 1/04
B60N 2/005
B61D 33/00
B61D 17/08
B61D 19/00
B60N 2/24
B60N 2/30
B60N 2/015
B60N 2/28
(11) EP3287336
(21) EP16830356.8
(47) 11.09.2019
(87) JP2016071014
02.02.2017
(22) 15.07.2016
(54) VEHICLE
(73) Mitsubishi Heavy Industries Engineering, Ltd.
(72) KANEMORI Toru
FUJIO Nobuyuki
OKUBO Yoshiki
KARASAWA Ryuji
(31) 2015148822
(32) 28.07.2015
(33) Japan

(51) B61D 15/06
B61G 7/14
B61G 9/20
B61G 11/16
(11) EP2999609
(21) EP13771452.3
(47) 11.09.2019
(87) EP2013070216
02.04.2015
(22) 27.09.2013
(54) RAIL VEHICLE WITH A COMPLETELY RETRACTABLE COUPLING
(73) Siemens Mobility GmbH
(72) DREXLER, Stephan
KROISS, Manuel
PEER, Hannes
WINKELMANN, Christian

(51) B61D 27/00
B61D 35/00
B60N 2/58
(11) EP3372471
(21) EP18160138.6
(47) 11.09.2019
(22) 06.03.2018
(54) HEATING SYSTEM FOR A RAILWAY VEHICLE PERMITTING TO HEAT A TOILET IN PRECONDITIONING MODE
(73) ALSTOM Transport Technologies
(72) DO, Huu-Thi
(31) 1751831
(32) 07.03.2017
(33) France

(51) B61F 5/08
B61F 5/14
B61F 5/30
(11) EP3239014
(21) EP16203183.5
(47) 11.09.2019
(22) 09.12.2016
(54) RAILWAY VEHICLE AND VIBRATION DAMPING AND SUSPENSION DEVICE THEREOF
(73) CRRC Qiqihar Rolling Stock Co., Ltd.
(72) Xu, Shifeng
Gao, Peng
Zhang, Derong
Shao, Wendong
Duan, Shihui
Liu, Xinqiang
Du, Wei
Zhao, Zengchuang
(31) 201610280085
(32) 29.04.2016
(33) China

(51) B61F 5/10
(11) EP2703245
(21) EP13175006.9
(47) 11.09.2019
(22) 04.07.2013
(54) Pneumatic suspension system for a rail vehicle
(73) ContiTech Luftfedersysteme GmbH
(72) Kranz, Harald
Korduan, Olaf
(31) 202012103305 U
(32) 30.08.2012
(33) Germany

(51) B61F 5/52
(11) EP3221203
(21) EP16706181.1
(47) 11.09.2019
(87) EP2016053855
09.09.2016
(22) 24.02.2016
(54) CHASSIS FRAME FOR A RAIL VEHICLE
(73) Siemens Mobility GmbH
(72) HUBMANN, Markus
SEIFRIED, Radovan
(31) 501672015
(32) 03.03.2015
(33) Austria

(51) B61F 5/52
B61F 5/30
B61F 3/04
(11) EP2733041
(21) EP12812067.2
(47) 11.09.2019
(87) JP2012004513
17.01.2013
(22) 12.07.2012
(54) RAILWAY VEHICLE TRUCK
(73) Kawasaki Jukogyo Kabushiki Kaisha
(72) NISHIMURA, Takehiro
NAKAO, Shunichi
KUSUNOKI, Takeyoshi
OKUMURA, Yasufumi
(31) 2011155608
2012076653
(32) 14.07.2011
29.03.2012
(33) Japan
Japan

(51) B61F 7/00
(11) EP3020610
(21) EP14822552.7
(47) 11.09.2019
(87) ES2014070565
15.01.2015
(22) 10.07.2014
(54) RAILWAY AXLE WITH AUTOMATIC CHANGE TO MULTIPLE TRACK WIDTHS
(73) Azvi, S.A.
Ogi Ejes De Ancho Variable S.L.
Ingeniería y Técnica del Transporte TRIA, S.A.
(72) RUBIO DE HITA, Beltrán
LARA HERNANDEZ, Jose Teodoro
(31) 201331055
(32) 11.07.2013
(33) Spain

(51) B61L 23/04
B61L 27/00
B61K 9/08
B61L 3/00
B61L 25/02
(11) EP3351452
(21) EP18152813.4
(47) 11.09.2019
(22) 22.01.2018
(54) METHOD AND FACILITY FOR AUTOMATIC ANALYSIS OF THE EVOLUTION OF TRACK GEOMETRY

(73) SNCF RESEAU
(72) BONGINI, Estelle
FUNFSCHILLING, Christine
(31) 1750518
(32) 23.01.2017
(33) France

(51) B62D 1/06
(11) EP3375693
(21) EP18000421.0
(47) 11.09.2019
(22) 03.11.2016
(54) STEERING WHEEL COVER
(73) I.G. Bauerhin GmbH
(72) Michelmann, Jochen
Flittner, Klaus
Müller, Martin
(31) 202015007837 U
(32) 16.11.2015
(33) Germany

(51) B62D 1/06
B60W 40/08
G01V 3/08
G01V 13/00
B62D 1/04
A61B 5/053
B60N 2/00
B60W 50/00
(11) EP3375692
(21) EP16864333.6
(47) 11.09.2019
(87) JP2016083452
18.05.2017
(22) 11.11.2016
(54) PROGRAM AND CONTROL DEVICE
(73) Autoliv Development AB
(72) YAMAZAKI, Yuki
(31) 2015223324
(32) 13.11.2015
(33) Japan

(51) B62D 1/16
(11) EP3180226
(21) EP15738937.0
(47) 11.09.2019
(87) EP2015066635
18.02.2016
(22) 21.07.2015
(54) STEERING COLUMN WITH HYBRID COMPONENTS AS SUPPORT STRUCTURES
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) KREUTZ, Daniel
REGNER, Sebastian
SCHACHT, Arne
FORTE, Sebastian
GALEHR, Robert
SCHNITZER, Hieronymus
(31) 102014011965
(32) 15.08.2014
(33) Germany

(51) B62D 1/16
(11) EP3334635
(21) EP16739190.3
(47) 11.09.2019
(87) EP2016067067
16.02.2017
(22) 18.07.2016
(54) SECURING DEVICE FOR A SHAFT ARRANGEMENT AND METHOD FOR TEMPORARILY LIMITING THE FREEDOM OF MOVEMENT OF A UNIVERSAL JOINT
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) SILBER, Michael
VELADZIC, Elvira
KÖB, Tobias
SEGATTO, Felipe
(31) 102015215290
(32) 11.08.2015
(33) Germany

(51) B62D 1/181
(11) EP3119661
(21) EP15710206.2
(47) 11.09.2019
(87) EP2015055662
24.09.2015
(22) 18.03.2015
(54) STEERING COLUMN FOR A MOTOR VEHICLE, THREADED ROD AND SPINDLE NUT
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) GALEHR, Robert
(31) 102014103879
(32) 21.03.2014
(33) Germany

(51) B62D 1/181
(11) EP3405378
(21) EP17701068.3
(47) 11.09.2019
(87) EP2017050570
27.07.2017
(22) 12.01.2017
(54) ELECTRICALLY LENGTH-ADJUSTABLE STEERING COLUMN FOR A MOTOR VEHICLE
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) KREUTZ, Daniel
SAWALL, Stefan
(31) 102016200649
(32) 19.01.2016
(33) Germany

(51) B62D 1/184
(11) EP3331748
(21) EP16745091.5
(47) 11.09.2019
(87) EP2016067623
09.02.2017
(22) 25.07.2016
(54) STEERING COLUMN FOR A MOTOR VEHICLE
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) MILLER, Marvin
PICHONNAT, Christian
MCCLELLAND, Luke
(31) 102015214963
(32) 05.08.2015
(33) Germany

(51) B62D 1/184
(11) EP3319862
(21) EP16732630.5
(47) 11.09.2019
(87) EP2016064936
12.01.2017
(22) 28.06.2016
(54) LOCKING DEVICE FOR AN ADJUSTABLE VEHICLE STEERING COLUMN
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) SCHNITZER, Hieronymus
PALTINISANU, Ciprian
(31) 102015212688
(32) 07.07.2015
(33) Germany

(51) B62D 1/184
(11) EP3334636
(21) EP16767142.9
(47) 11.09.2019
(87) EP2016068645
16.02.2017
(22) 04.08.2016
(54) CLAMPING DEVICE FOR AN ADJUSTABLE STEERING COLUMN FOR A MOTOR VEHICLE
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) SCHNITZER, Hieronymus
PALTINISANU, Ciprian
(31) 102015215433
(32) 13.08.2015
(33) Germany

(51) B62D 1/189
(11) EP3371033
(21) EP16788709.0
(47) 11.09.2019
(87) EP2016076342
11.05.2017
(22) 02.11.2016
(54) PIVOT BEARINGS FOR A HEIGHT-ADJUSTABLE STEERING COLUMN
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) GEIGER, Adrian
GEISELBERGER, Thomas
(31) 102015119047
(32) 05.11.2015
(33) Germany

(51) B62D 1/189
B62D 1/184
(11) EP3323694
(21) EP16851923.9
(47) 11.09.2019
(87) JP2016079162
06.04.2017
(22) 30.09.2016
(54) ADJUSTMENT LEVER ASSEMBLY, AND POSITION ADJUSTMENT DEVICE FOR STEERING WHEEL
(73) NSK Ltd.
(72) ZHANG, Zhiye
(31) 2015197151
(32) 02.10.2015
(33) Japan

(51) B62D 5/04
B62D 6/04
(11) EP3018038
(21) EP15192714.2
(47) 11.09.2019
(22) 03.11.2015

(54) ELECTRIC POWER STEERING SYSTEM
(73) JTEKT CORPORATION
(72) MAEDA, Shingo
TAMAIZUMI, Terutaka
ITAMOTO, Hidenori
(31) 2014224594
(32) 04.11.2014
(33) Japan

(51) B62D 5/04
F16C 23/08
F16F 1/32
(11) EP2872793
(21) EP13715887.9
(47) 11.09.2019
(87) EP2013000721
23.01.2014
(22) 12.03.2013
(54) Electromechanic vehicle steering with spindle drive and a belleville spring acting upon the ball nut of a roller bearing of the spindle drive with the spring having partially linear characteristics
(73) ThyssenKrupp Presta AG
thyssenkrupp AG
(72) LÁSZLÓ, Gergely
(31) 102012013924
(32) 16.07.2012
(33) Germany

(51) B62D 5/04
H02P 29/00
(11) EP3296185
(21) EP15891761.7
(47) 11.09.2019
(87) JP2015063277
17.11.2016
(22) 08.05.2015
(54) ELECTRIC POWER STEERING DEVICE
(73) MITSUBISHI ELECTRIC CORPORATION
(72) IMAIZUMI, Seiichi
ZENIYA, Susumu
TAKATSUKA, Yuji
TAKEMOTO, Yasushi

(51) B62D 5/12
B62D 5/06
(11) EP2712787
(21) EP13175222.2
(47) 11.09.2019
(22) 05.07.2013
(54) Agricultural vehicle with power steering
(73) CLAAS Selbstfahrende Erntemaschinen GmbH
(72) Gausmann, Ludger
(31) 102012018993
(32) 27.09.2012
(33) Germany

(51) B62D 6/00
(11) EP3303097
(21) EP16733661.9
(47) 11.09.2019
(87) FR2016051356
15.12.2016
(22) 07.06.2016
(54) USE OF THE POWER STEERING TO COMPENSATE FOR THE NEGATIVE EFFECTS INTRODUCED BY A LIMITED-SLIP DIFFERENTIAL
(73) JTEKT Europe
(72) MICHELIS, André
NOBILI, Fabrice
(31) 1555187
(32) 08.06.2015
(33) France

(51) B62D 6/00
B62D 1/12
B62D 5/28
B62D 12/00
G05G 5/03
(11) EP3254936
(21) EP16859846.4
(47) 11.09.2019
(87) JP2016081735
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) 2015213870
(32) 30.10.2015
(33) Japan

(51) B62D 6/00
B62D 5/04
B62D 101/00
B62D 119/00
(11) EP3222497
(21) EP15873139.8
(47) 11.09.2019
(87) JP2015085955
30.06.2016
(22) 24.12.2015
(54) ELECTRIC POWER STEERING DEVICE
(73) NSK Ltd.
(72) SAKAGUCHI, Toru
ONOE, Toshikazu
(31) 2014262244
2015183271
2015228993
(32) 25.12.2014
16.09.2015
24.11.2015
(33) Japan
Japan
Japan

(51) B62D 11/20
B62D 15/00
B65G 41/00
B64F 1/32
G05D 1/02
(11) EP3016834
(21) EP14741427.0
(47) 11.09.2019
(87) NL2014050451
08.01.2015
(22) 07.07.2014
(54) AUTOMATICALLY CONTROLLED VEHICLE FOR TRANSPORTING AN OBJECT AND OBJECT TRANSPORT SYSTEM
(73) Vanderlande Industries B.V.
(72) POTTERS, Marinus Adrianus Maria
KROP, Bas
(31) 2011115
(32) 05.07.2013
(33) Netherlands

(51) B62D 25/02
B62D 25/06
B62D 63/02
(11) EP3266685
(21) EP17180196.2
(47) 11.09.2019
(22) 07.07.2017
(54) STRUCTURE FOR A COMMERCIAL VEHICLE
(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(72) Pilz, Alexander
Belovizkij, Nelli
(31) 102016212371
(32) 07.07.2016
(33) Germany

(51) B62D 25/02
B62D 25/08
B62D 29/00
(11) EP3386845
(21) EP16825464.7
(47) 11.09.2019
(87) FR2016053298
15.06.2017
(22) 09.12.2016
(54) MOTOR VEHICLE BODY ELEMENT AND CORRESPONDING METHOD OF MANUFACTURE
(73) Renault s.a.s
(72) GROS, Christian
(31) 1562050
(32) 09.12.2015
(33) France

(51) B62D 25/14
(11) EP3333050
(21) EP17202521.5
(47) 11.09.2019
(22) 20.11.2017
(54) ATTACHMENT BY HALF-SHELLS OF A CROSS-MEMBER OF A DRIVER'S COMPARTMENT OF A VEHICLE
(73) RENAULT s.a.s.
(72) FLANDIN, MICHAEL
DEMEULES, REMI
(31) 1662194
(32) 09.12.2016
(33) France

(51) B62D 25/14
(11) EP3333051
(21) EP17202524.9
(47) 11.09.2019
(22) 20.11.2017
(54) SIMPLIFIED ATTACHMENT OF A CROSS-MEMBER OF A DRIVER'S COMPARTMENT OF A VEHICLE
(73) RENAULT s.a.s.
(72) FLANDIN, MICHAEL
DEMEULES, REMI
(31) 1662193
(32) 09.12.2016
(33) France

(51) B62D 27/02
(11) EP3383729
(21) EP16809951.3
(47) 11.09.2019
(87) FR2016052824
08.06.2017
(22) 28.10.2016

(54) LINKING ELEMENT BETWEEN TWO WALLS
(73) PSA AUTOMOBILES S.A.
(72) RICHARD, Olivier
HIGELIN, Vincent
(31) 1561563
(32) 30.11.2015
(33) France

(51) B62D 27/02
B62D 29/04
B29C 65/48
B29C 65/56
B29L 31/30
(11) EP3165430
(21) EP16002247.1
(47) 11.09.2019
(22) 19.10.2016
(54) METHOD FOR PRODUCING A NODE STRUCTURE WITH AT LEAST TWO PROFILE MEMBERS, AND NODE STRUCTURE AND BODY
(73) AUDI AG
(72) Eidmann, Florian
Schauerte, Oliver
Durst, Karl
(31) 102015014358
(32) 06.11.2015
(33) Germany

(51) B62D 27/02
B62D 29/04
B62D 21/02
B62D 29/00
(11) EP3165429
(21) EP16002246.3
(47) 11.09.2019
(22) 19.10.2016
(54) FRAME STRUCTURE WITH AT LEAST ONE CONSOLE FOR CONNECTING FURTHER COMPONENTS, METHOD FOR PREPARATION AND MOTOR VEHICLE BODY
(73) AUDI AG
(72) Schauerte, Oliver
Eidmann, Florian
Durst, Karl
(31) 102015014365
(32) 06.11.2015
(33) Germany

(51) B62D 35/00
B62D 37/02
B60S 1/58
(11) EP3350067
(21) EP16774537.1
(47) 11.09.2019
(87) FR2016052318
23.03.2017
(22) 14.09.2016
(54) MOTOR VEHICLE SPOILER WITH REAR SCREEN CLEANING DEVICE
(73) Compagnie Plastic Omnium
(72) ESCOFFIER, Arnaud
HACHE, Bertrand
COUDRON, Philippe
DEPARDON, Pascal
BARBIER, Pascal
(31) 1558528
(32) 14.09.2015
(33) France

(51) B62H 5/00
B62J 1/08
(11) EP3197763
(21) EP15844999.1
(47) 11.09.2019
(87) HU2015050008
31.03.2016
(22) 24.09.2015
(54) ANTI-THEFT BICYCLE LOCKING DEVICE
(73) Inlock Kft.
(72) Holló, Csaba
(31) P1400455
(32) 26.09.2014
(33) Hungary

(51) B62H 5/00
E05B 71/00
B62H 3/08
(11) EP3225515
(21) EP16873261.8
(47) 11.09.2019
(87) KR2016013707
15.06.2017
(22) 25.11.2016
(54) LOCKING DEVICE AND BICYCLE STORING DEVICE HAVING SAME
(73) Seoheong Bicyclerack Co.,Ltd.
(72) PARK, Heungil
(31) 20150173423
(32) 07.12.2015
(33) Korea (Republic)

(51) B62J 1/26
B29C 44/06
B29L 31/30
B29C 44/08
B29C 44/12
B29C 44/14
B29K 75/00
(11) EP3348459
(21) EP17208423.8
(47) 11.09.2019
(22) 19.12.2017
(54) METHOD FOR MAKING A BICYCLE SADDLE
(73) Velo Enterprise Co., Ltd.
(72) YU, Tsai-Yun
(31) 106101175
(32) 13.01.2017
(33) Taiwan, Province of China

(51) B62J 6/00
B62J 99/00
F21V 8/00
(11) EP3107799
(21) EP15717800.5
(47) 11.09.2019
(87) EP2015000703
08.10.2015
(22) 31.03.2015
(54) LIGHTING DEVICE FOR AN AT LEAST PARTIALLY MUSCLE DRIVEN VEHICLE BY MEANS OF LIGHT GUIDE ELEMENTS
(73) Ebel, Matthias
(72) Ebel, Matthias
(31) 102014004698
(32) 31.03.2014
(33) Germany

(51) B62J 6/02
B62K 21/12
(11) EP3328719
(21) EP16759814.3
(47) 11.09.2019
(87) GB2016000141
02.02.2017
(22) 27.07.2016
(54) HANDLEBAR MOUNTABLE LIGHT PIPE APPARATUS FOR A BICYCLE
(73) Karbon Kinetics Limited
(72) THORPE, Richard, Brian
ANGIOLINI, Peter
(31) 201513337
(32) 29.07.2015
(33) United Kingdom

(51) B62J 17/02
F02M 35/02
(11) EP3287350
(21) EP15889928.6
(47) 11.09.2019
(87) JP2015062590
27.10.2016
(22) 24.04.2015
(54) SADDLED-VEHICLE COWL STRUCTURE
(73) Honda Motor Co., Ltd.
(72) HARAGUCHI, Hideaki
YOKOYAMA, Shin
TSUJINAKA, Takayoshi
MORI, Hiroki
TAKASHIBA, Hiroaki
MIZOGUCHI, Masahiro
FURUKAWA, Kazuro

(51) B62J 17/04
(11) EP3150471
(21) EP16191187.0
(47) 11.09.2019
(22) 28.09.2016
(54) WINDSHIELD FOR VEHICLE
(73) Honda Motor Co., Ltd.
(72) NAGAYAMA, Masashi
SUGIO, Takafumi
KISHI, Hiroshi
KIYOTA, Shintaro
MURAKI, Yuhei
ITO, Michio
NAKAGAWA, Hideaki
(31) 2015193043
2016116012
(32) 30.09.2015
10.06.2016
(33) Japan
Japan

(51) B62J 37/00
(11) EP3277568
(21) EP15887362.0
(47) 11.09.2019
(87) IB2015000418
06.10.2016
(22) 31.03.2015
(54) CANISTER MOUNTING STRUCTURE FOR A MOTORCYCLE
(73) Honda Motor Co., Ltd.
(72) TAHARA, Shuji

(51) B62K 19/36
(11) EP3345817
(21) EP17210821.9
(47) 11.09.2019

(22) 28.12.2017
(54) ADJUSTABLE SEAT POST
(73) SRAM, LLC.
(72) SHIPMAN, Chris
JORDAN, Brian
(31) 201715399105
(32) 05.01.2017
(33) United States of America

(51) B62K 21/26
(11) EP3279071
(21) EP17183829.5
(47) 11.09.2019
(22) 28.07.2017
(54) GRIP ELEMENT
(73) Ergon International GmbH
(72) Arnold, Franc
(31) 202016004728 U
(32) 02.08.2016
(33) Germany

(51) B62K 25/00
B60B 27/02
(11) EP3418172
(21) EP18176181.8
(47) 11.09.2019
(22) 06.06.2018
(54) WHEEL SUPPORT
(73) SIMPLON Fahrrad GmbH
(72) Schmeiser, Jonas
(31) 2622017
(32) 21.06.2017
(33) Austria

(51) B62K 25/28
B62M 6/45
B62M 6/55
B62M 6/90
H01M 2/10
(11) EP3109146
(21) EP16176239.8
(47) 11.09.2019
(22) 24.06.2016
(54) BICYCLE FRAME WITH IMPROVED BATTERY MOUNT
(73) Specialized Bicycle Components, Inc.
(72) TALAVASEK, Jan
PATUREAU, Vincent
SONDEREGGER, Marco
PALLURE, Marc
SLOAN, Brandon Dale
BUCKLEY, Joseph Edward
LENTZ, Daniel
STAFFORD, Jamie
(31) 201514752331
(32) 26.06.2015
(33) United States of America

(51) B62M 1/10
B62D 37/06
B62J 27/00
G01C 19/02
(11) EP3334647
(21) EP16731128.1
(47) 11.09.2019
(87) EP2016064254
23.02.2017
(22) 21.06.2016
(54) STABILIZATION DEVICE FOR A TWO-WHEELED VEHICLE
(73) Robert Bosch GmbH
(72) HENZLER, Markus
KLEWS, Matthias
(31) 102015215524
(32) 14.08.2015
(33) Germany

(51) B62M 6/40
B62K 9/00
(11) EP3191361
(21) EP15839453.6
(47) 11.09.2019
(87) US2015049679
17.03.2016
(22) 11.09.2015
(54) CONVERTIBLE MOTORIZED RUNNING CYCLE
(73) Stacyc, Inc.
(72) RAGLAND, Robert Ryan
JOHNSON, Eric
BURKE, Phillip Charles
(31) 201462048834 P
201514850738
(32) 11.09.2014
10.09.2015
(33) United States of America
United States of America

(51) B62M 6/55
B62M 11/06
B62M 25/08
F16D 41/24
F16H 63/30
(11) EP3323703
(21) EP16824062.0
(47) 11.09.2019
(87) JP2016003268
19.01.2017
(22) 11.07.2016
(54) ELECTRIC-ASSIST BICYCLE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) KAWAKAMI, Masafumi
FUJII, Naoki
NISHIMORI, Masato
(31) 2015140180
(32) 14.07.2015
(33) Japan

(51) B62M 9/08
(11) EP3388323
(21) EP17201560.4
(47) 11.09.2019
(22) 14.11.2017
(54) BICYCLE CRANKSET WITH ECCENTRIC CHAINRING
(73) Drivetrain Tech Solution Inc.
(72) CHEN, Po-Cheng
(31) 106112071
(32) 11.04.2017
(33) Taiwan, Province of China

(51) B62M 9/10
(11) EP2578486
(21) EP12178460.7
(47) 11.09.2019
(22) 30.07.2012
(54) BICYCLE CRANK ASSEMBLY
(73) Shimano Inc.
(72) Kuroiwa, Eigo
Tetsuka, Toshio
Nishimoto, Yusuke
Sugimoto, Akinobu
(31) 201113253113
(32) 05.10.2011
(33) United States of America

(51) B63B 35/00
B63B 27/10
B66D 3/00
F03D 1/00
(11) EP3144213
(21) EP16306184.9
(47) 11.09.2019
(22) 16.09.2016
(54) METHOD FOR INSTALLING AN ELONGATE ELEMENT FORMING A WIND TURBINE, IN PARTICULAR A WIND-TURBINE TOWER
(73) REEL
(72) KONATE, Karamoko
(31) 1558741
(32) 17.09.2015
(33) France

(51) B63B 35/00
B63B 39/06
F03D 9/00
F03B 13/14
B63H 25/42
(11) EP3196114
(21) EP15842399.6
(47) 11.09.2019
(87) KR2015007265
24.03.2016
(22) 13.07.2015
(54) FLOATING WIND POWER GENERATION DEVICE
(73) University Of Ulsan Foundation For Industry Cooperation
(72) SHIN, Hyun Kyoung
KIM, Dong Ju
(31) 20140123722
(32) 17.09.2014
(33) Korea (Republic)

(51) B63C 9/18
B63C 9/19
B63C 9/02
B63C 9/00
B63B 7/00
B65B 1/04
(11) EP3274253
(21) EP16769617.8
(47) 11.09.2019
(87) US2016023795
29.09.2016
(22) 23.03.2016
(54) INDICATOR FOR MANUAL INFLATOR
(73) HALKEY-ROBERTS CORPORATION
(72) FAWCETT, Lyman, W.
(31) 201562136684 P
(32) 23.03.2015
(33) United States of America

(51) B63C 11/20
B63C 11/16
(11) EP3421348
(21) EP18152688.0
(47) 11.09.2019
(22) 22.01.2018
(54) MASK FOR SURFACE SNORKELING
(73) Cressi-Sub S.p.A.
(72) GODOY, Carlos Alberto
(31) 201700073604
(32) 30.06.2017

(33) Italy

(51) B63G 8/34
B63G 9/02
F41F 3/10
(11) EP2353994
(21) EP11000174.0
(47) 11.09.2019
(22) 12.01.2011
(54) Decoy
(73) ThyssenKrupp Marine Systems GmbH
(72) Toobe, Werner
Riegel, Peter
Malerz, Udo
Scholz, Bernd
(31) 102010006804
(32) 04.02.2010
(33) Germany

(51) B63H 5/15
(11) EP3142921
(21) EP15792204.8
(47) 11.09.2019
(87) FI2015050313
19.11.2015
(22) 08.05.2015
(54) PROPULSION UNIT
(73) ABB Oy
(72) VEIKONHEIMO, Tomi
(31) 14168218
(32) 14.05.2014
(33) European Patent Office (EPO)

(51) B63H 21/20
B60K 6/08
B60K 6/442
B60K 6/365
B60K 6/445
F16H 47/04
B63H 21/17
(11) EP2996936
(21) EP14718714.0
(47) 11.09.2019
(87) GB2014051218
20.11.2014
(22) 17.04.2014
(54) METHOD OF OPERATING A PROPULSION SYSTEM OF A MARINE VESSEL AND MARINE VESSEL
(73) Perkins Engines Company Limited
(72) STRASHNY, Igor
CRONIN, Michael
(31) 201308932
(32) 17.05.2013
(33) United Kingdom

(51) B64C 1/06
B64C 1/00
H01R 4/64
(11) EP2401195
(21) EP10708444.4
(47) 11.09.2019
(87) US2010024836
02.09.2010
(22) 19.02.2010
(54) DISTRIBUTING POWER IN SYSTEMS HAVING A COMPOSITE STRUCTURE
(73) The Boeing Company
(72) ROBB, Andrew M.
(31) 393695
(32) 26.02.2009

(33) United States of America

(51) B64C 1/14
(11) EP2853482
(21) EP14184749.1
(47) 11.09.2019
(22) 15.09.2014
(54) Drain mast
(73) Goodrich Corporation
(72) Lee, Charles A.
Deiwert, Kyle H.
Giamati, Michael J.
(31) 201361879449 P
201414178463
(32) 18.09.2013
12.02.2014
(33) United States of America
United States of America

(51) B64C 3/38
B64C 11/18
F01D 5/14
B64D 27/00
(11) EP2759471
(21) EP13196929.7
(47) 11.09.2019
(22) 12.12.2013
(54) Fluidfoil
(73) Rolls-Royce plc
(72) Namgoong, Howoong
(31) 201301329
(32) 25.01.2013
(33) United Kingdom

(51) B64C 3/44
B64C 3/50
B64C 9/16
B64C 9/22
B64D 45/00
(11) EP3307618
(21) EP16727850.6
(47) 11.09.2019
(87) IB2016053331
15.12.2016
(22) 07.06.2016
(54) INDICATING SYSTEMS, DEVICES AND METHODS FOR HIGH-LIFT FLIGHT CONTROL SURFACES OF AIRCRAFT
(73) Bombardier Inc.
(72) OUELLETTE, Benoit
(31) 201562174739 P
(32) 12.06.2015
(33) United States of America

(51) B64C 9/00
B64C 13/50
B64G 1/50
(11) EP3210885
(21) EP17158529.2
(47) 11.09.2019
(22) 28.02.2017
(54) STRUCTURALLY INTEGRATED THERMAL MANAGEMENT SYSTEM FOR AEROSPACE VEHICLES
(73) The Boeing Company
(72) BLANDING, David E.
MULEY, Arun
COFFMAN, Jeffrey C.
VAN AFFELEN, Doug
(31) 201615056731
(32) 29.02.2016

(33) United States of America

(51) B64C 11/20
B64C 11/26
B64D 15/12
B64D 45/02
(11) EP3248867
(21) EP16305594.0
(47) 11.09.2019
(22) 23.05.2016
(54) PROPELLER BLADE SHEATH
(73) Ratier-Figeac SAS
(72) ANDRZEJEWSKI, Arnaud
PICARD, Pierre-Alex
PRUNET, Ludovic
VIGIER, Frédéric
MOLES, Patrick

(51) B64C 11/38
(11) EP3400170
(21) EP17702674.7
(47) 11.09.2019
(87) FR2017050013
13.07.2017
(22) 04.01.2017
(54) SYSTEM FOR CONTROLLING THE ORIENTATION OF THE FAN BLADES OF A TURBINE ENGINE WITH FEATHERING LOCKING PIN
(73) Safran Aircraft Engines
(72) YVON, Didier Jean-Louis
MOUTON, Clémentine Charlotte Marie
PATSOURIS, Emmanuel Pierre Dimitri
(31) 1650042
(32) 05.01.2016
(33) France

(51) B64C 13/16
B64D 31/06
B64D 33/02
F02C 7/057
(11) EP3180244
(21) EP15766673.6
(47) 11.09.2019
(87) US2015017660
18.02.2016
(22) 26.02.2015
(54) SYSTEM AND METHOD FOR CONTROLLING A PRESSURE FIELD AROUND AN AIRCRAFT IN FLIGHT
(73) Gulfstream Aerospace Corporation
(72) CONNERS, Timothy
KNIGHT, Michael
COWART, Robert
(31) 201414459488
(32) 14.08.2014
(33) United States of America

(51) B64C 25/00
(11) EP2746154
(21) EP13005297.0
(47) 11.09.2019
(22) 11.11.2013
(54) Nose landing gear arrangement for aircraft and method of assembly
(73) Gulfstream Aerospace Corporation
(72) Cook, Brian
Louis, John
Van de Ven, Thomas
Vieito, Robert M
(31) 201213674303
(32) 12.11.2012

(33) United States of America

(51) B64C 25/00
B64D 45/00
(11) EP2505498
(21) EP12162069.4
(47) 11.09.2019
(22) 29.03.2012
(54) Method and system for detecting forces on aircraft
(73) Sikorsky Aircraft Corporation
(72) Khial, Karim
Howlett, James J.
Wright, Stuart C.
(31) 201113077084
(32) 31.03.2011
(33) United States of America

(51) B64C 25/12
(11) EP2822853
(21) EP12710404.0
(47) 11.09.2019
(87) US2012028314
12.09.2013
(22) 08.03.2012
(54) FUSELAGE MOUNTED LANDING GEAR
(73) The Boeing Company
(72) SALMON, James Jason
BARMICHEV, Sergey D.
LONG, Michael Allan

(51) B64C 27/00
B64C 11/00
F03D 13/35
(11) EP3418191
(21) EP17201935.8
(47) 11.09.2019
(22) 15.11.2017
(54) ZERO-FASTENER FLUSHMOUNT BALANCE WEIGHT SYSTEM PRESERVING ROTOR-BLADE TIP WITH INTEGRAL TUNING WEIGHT RETENTION FEATURE
(73) Bell Helicopter Textron Inc.
(72) PAULSON, Jared Mark
MARSHALL, Bryan
FOSKEY, Christopher E.
(31) 201715627819
(32) 20.06.2017
(33) United States of America

(51) B64C 27/00
F16F 15/22
(11) EP2931602
(21) EP13811656.1
(47) 11.09.2019
(87) US2013071452
19.06.2014
(22) 22.11.2013
(54) IMPROVED CIRCULAR FORCE GENERATOR DEVICES, SYSTEMS, AND METHODS FOR USE IN AN ACTIVE VIBRATION CONTROL SYSTEM
(73) LORD Corporation
(72) BLACK, Paul, R.
SWANSON, Doug, A.
BADRE-ALAM, Askari
JANOWSKI, Michael, D.
ALTIERI, Russell, E.
MEYERS, Andrew, D.
RYU, Jihan
(31) 201261736148 P
(32) 12.12.2012
(33) United States of America

(51) B64C 27/57
G05D 1/00
G05D 1/08
(11) EP3372498
(21) EP18160344.0
(47) 11.09.2019
(22) 06.03.2018
(54) AUTOMATIC PILOT DEVICE FOR A ROTARY WING AIRCRAFT AND ROTARY WING AIRCRAFT COMPRISING SUCH DEVICE
(73) THALES
(72) COLONNA, François
THOUVENOT, Gilles
AUGER, Alain
(31) 1700225
(32) 07.03.2017
(33) France

(51) B64C 27/82
H02K 21/24
H02K 5/128
H02K 7/09
H02K 9/19
(11) EP2412630
(21) EP10170932.7
(47) 11.09.2019
(22) 27.07.2010
(54) Drive for a tail rotor of a helicopter
(73) Siemens Aktiengesellschaft
(72) Hamann, Jens
Köpken, Hans-Georg
Stoiber, Dietmar

(51) B64C 29/00
B64C 39/00
(11) EP3434592
(21) EP18184104.0
(47) 11.09.2019
(22) 18.07.2018
(54) DUAL TILTWING AIRCRAFT HAVING A QUADRILATERAL LINKAGE
(73) Bell Helicopter Textron Inc.
(72) GRONINGA, Kirk Landon
ROBERTSON, Daniel Bryan
(31) 201715662257
(32) 27.07.2017
(33) United States of America

(51) B64D 1/22
B66C 1/40
B66D 1/60
B64C 27/04
(11) EP3166845
(21) EP15818974.6
(47) 11.09.2019
(87) US2015039825
14.01.2016
(22) 09.07.2015
(54) HELICOPTER HOIST SYSTEMS, DEVICES, AND METHODOLOGIES
(73) Breeze-Eastern LLC
(72) PEDERSEN, Brad
REPP, Brad
DIZE, Chad
JOHNSON, Ezra
(31) 201462023142 P
201562121263 P
(32) 10.07.2014
26.02.2015
(33) United States of America
United States of America

(51) B64D 9/00
(11) EP3190047
(21) EP16203180.1
(47) 11.09.2019
(22) 09.12.2016
(54) LONGITUDINAL LOCK DEVICE FOR CARGO IN AIRCRAFT, SAFETY TRIGGER FOR LONGITUDINAL LOCK DEVICE
(73) Embraer S.A.
(72) Trisotto, Saint Clair
Livoratti, João Carlos
Germano, Douglas de Moura
Batista, Mário Sérgio Candelária Bernardes
Rosa, Emanuel das Neves
Dos Santos, Fábio Henrique Massuia
Kolososki, Reinaldo Sawaguchi
(31) 102016000552
(32) 11.01.2016
(33) Brazil

(51) B64D 11/00
B64D 47/02
B64D 45/00
(11) EP3210887
(21) EP17152565.2
(47) 11.09.2019
(22) 23.01.2017
(54) VEHICLE CABIN WAYFINDING ASSEMBLY
(73) The Boeing Company
(72) VALENTINE, William H. Jr
(31) 201615054767
(32) 26.02.2016
(33) United States of America

(51) B64D 11/06
(11) EP3222523
(21) EP16162029.9
(47) 11.09.2019
(22) 23.03.2016
(54) FOLDABLE SEAT BENCH
(73) Airbus Operations GmbH
(72) EHLERS, Bernd
BEHRENS, Stefan

(51) B64D 13/06
G05D 23/19
(11) EP3371057
(21) EP16793986.7
(47) 11.09.2019
(87) GB2016053412
11.05.2017
(22) 03.11.2016
(54) AIRCRAFT ENVIRONMENTAL CONTROL SYSTEM
(73) BAE Systems PLC
(72) VICKERS, Mark Gordon
(31) 201519607
15275229
(32) 06.11.2015
06.11.2015
(33) United Kingdom
European Patent Office (EPO)

(51) B64D 15/12
H05B 3/00
H05B 3/02

H05B 3/16
F01D 25/02
F03D 80/40
(11) EP3409588
(21) EP17179897.8
(47) 11.09.2019
(22) 05.07.2017
(54) ELECTRICAL BUS ARRANGEMENT FOR ICE PROTECTION SYSTEMS
(73) Bell Helicopter Textron Inc.
(72) Paulson, Jared Mark
Burnett, Michael Chris
Foskey, Christopher E.
(31) 201715608385
(32) 30.05.2017
(33) United States of America

(51) B64D 27/24
B64C 39/02
B64D 41/00
(11) EP2865598
(21) EP14190508.3
(47) 11.09.2019
(22) 27.10.2014
(54) Aircraft electric motor system
(73) The Boeing Company
(72) Benson, Christopher Pete
Quadracci, Leonard J.
Cameron, Douglas C.
(31) 201314064366
(32) 28.10.2013
(33) United States of America

(51) B64D 33/04
B64D 41/00
(11) EP3401222
(21) EP17204248.3
(47) 11.09.2019
(22) 28.11.2017
(54) ENGINE EXHAUST DUCT MOUNTING ASSEMBLY
(73) Bell Helicopter Textron Inc.
(72) ROSADO, Angel David
(31) 201715593956
(32) 12.05.2017
(33) United States of America

(51) B64D 41/00
F01D 15/10
F02N 11/04
B64D 29/06
(11) EP2456670
(21) EP10745365.6
(47) 11.09.2019
(87) FR2010051352
27.01.2011
(22) 29.06.2010
(54) ELECTRICAL POWER SUPPLY CIRCUIT FOR A TURBOFAN NACELLE
(73) Safran Nacelles
(72) PEREIRA, David
MAALIOUNE, Hakim
LE COQ, Vincent
(31) 0903662
(32) 24.07.2009
(33) France

(51) B64D 41/00
H02M 1/12
H02H 7/122
H02H 9/00
H02H 9/02
(11) EP3057870
(21) EP14799835.5
(47) 11.09.2019
(87) FR2014052624
23.04.2015
(22) 15.10.2014
(54) DEVICE FOR PROTECTING AGAINST SHORT-CIRCUITS UPSTREAM OF A POWER MODULE
(73) Safran Electrical & Power
(72) SIMON, Jean-Jacques
DHEILLY, Nicolas
CASIMIR, Roland
(31) 1360159
(32) 18.10.2013
(33) France

(51) B64D 45/00
H04N 7/18
B64D 47/02
B64D 11/00
(11) EP2490939
(21) EP10768736.0
(47) 11.09.2019
(87) EP2010065354
28.04.2011
(22) 13.10.2010
(54) CONTROL DEVICE FOR A CABIN OF AN AIRCRAFT OR SPACECRAFT, CABIN MANAGEMENT SYSTEM, AND METHOD FOR CONTROLLING A CABIN OF AN AIRCRAFT OR SPACECRAFT
(73) Airbus Operations GmbH
(72) BERKHAHN, Sven-Olaf
VOGEL, Carsten
SCHULZ, Stefan
(31) 102009045837
253502 P
(32) 20.10.2009
20.10.2009
(33) Germany
United States of America

(51) B64G 1/10
B64G 1/44
B64C 1/12
B64C 3/26
B64G 1/42
B64G 1/22
(11) EP3431398
(21) EP17182497.2
(47) 11.09.2019
(22) 21.07.2017
(54) SATELLITE COVER PANEL
(73) Technische Universität München
(72) GRÜBLER, Thomas
LANGER, Martin

(51) B64G 1/22
B64G 1/44
H01L 31/042
H02S 20/00
H02S 30/20
B64G 1/50
B64G 1/66
(11) EP3162715
(21) EP16194201.6
(47) 11.09.2019
(22) 17.10.2016
(54) METHOD FOR RELEASING A DEPLOYABLE BOOM
(73) SolAero Technologies Corp.
(72) STEELE, Kenneth Loyd
STERN, Theodore Garry
(31) 201514921238
201615001962
(32) 23.10.2015
20.01.2016
(33) United States of America
United States of America

(51) B64G 1/22
B64G 1/66
F16C 11/12
(11) EP3371061
(21) EP16810046.9
(47) 11.09.2019
(87) IB2016056604
11.05.2017
(22) 03.11.2016
(54) LARGE ANGLE FLEXIBLE PIVOT
(73) Almatech SA
(72) BLECHA, Luc
HUMPHRIES, Martin
PUYOL, Yoel
(31) 15193517
(32) 06.11.2015
(33) European Patent Office (EPO)

(51) B64G 1/50
B64G 1/10
(11) EP3433172
(21) EP17732498.5
(47) 11.09.2019
(87) FR2017051279
30.11.2017
(22) 23.05.2017
(54) SPACECRAFT
(73) Airbus Defence and Space SAS
(72) LECONTE, Sylvain
DELTOUR, Bernard
BEREND, Christophe
(31) 1654593
(32) 23.05.2016
(33) France

(51) B64G 1/50
B82Y 30/00
F28F 21/02
F28F 21/06
F28F 1/22
F28D 15/02
(11) EP2388195
(21) EP11166968.5
(47) 11.09.2019
(22) 20.05.2011
(54) Thermal dissipation device for space equipment, in particular for satellite
(73) Thales
(72) Lutz, Martine
Vitupier, Yann
Montredon, Florence
Chaix, Alain
Lalande, Hubert
(31) 1002159
(32) 21.05.2010
(33) France

(51) B65B 7/28
A61J 1/06
A61J 1/20
A61M 5/30
A61M 19/00

B65B 7/16
B65B 65/06
B67B 1/04
(11) EP3144230
(21) EP16189512.3
(47) 11.09.2019
(22) 19.09.2016
(54) METHOD FOR OBTURATION OF A CARTRIDGE COMPRISING AT LEAST ONE PLUG, MEANS OF INSERTION AND ASSOCIATED OBTURATION LINE
(73) Disposable-Lab
(72) ZAMBAUX, Jean Pascal
PAUCHDET, Bernard
(31) 1558862
(32) 21.09.2015
(33) France

(51) B65B 9/04
B65B 3/02
B65B 3/10
B65B 47/10
B65B 47/02
B65B 51/10
B65B 57/00
B65B 63/08
B65B 3/12
(11) EP3386864
(21) EP16843261.5
(47) 11.09.2019
(87) IB2016057372
15.06.2017
(22) 06.12.2016
(54) PROCESS FOR PACKAGING STICKY SUBSTANCES IN THE FLUID PHASE WITH A THIN FILM
(73) Sav Holding S.p.a.
(72) RIZZIERI, Giorgio
(31) UB20156845
(32) 11.12.2015
(33) Italy

(51) B65B 25/00
B65B 31/02
B65B 55/22
B65B 59/00
B65B 3/00
B65B 3/28
B65B 7/28
(11) EP3397558
(21) EP16826008.1
(47) 11.09.2019
(87) EP2016025191
06.07.2017
(22) 23.12.2016
(54) AUTOMATIC MACHINE FOR THE PACKAGING, PRESERVATION AND TRANSPORT OF SURGICAL, HISTOLOGICAL, AUTOPSY AND CYTOLOGICAL SPECIMENS BY HEALTHCARE WORKERS IN SAFETY
(73) Mecatron Automazione S.r.l.
Patholab S.r.l.
(72) CINTI, Mario
MADAU, Giacomo
BICOCCHI, Enrico
(31) UB20159508
(32) 28.12.2015
(33) Italy

(51) B65B 35/40
B65B 43/18
B65B 43/52
B65B 59/00
B65B 5/02
B65B 5/06
(11) EP3359453
(21) EP16779058.3
(47) 11.09.2019
(87) EP2016073915
13.04.2017
(22) 06.10.2016
(54) MACHINE FOR FORMING AND FILLING BOX-LIKE BODIES OF DIFFERENT TYPES
(73) Gima S.p.A.
(72) SASSI, Fabio
(31) UB20154224
(32) 08.10.2015
(33) Italy

(51) B65B 57/00
B65B 59/04
B65B 9/04
B65B 31/02
B65B 7/16
(11) EP3381820
(21) EP18161359.7
(47) 11.09.2019
(22) 13.03.2018
(54) PACKAGING MACHINE WITH STACKABLE SAFETY COVERS
(73) MULTIVAC Sepp Haggenmüller SE & Co. KG
(72) WÖLFLE, Manuel
WEIß, Peter
(31) 102017106898
(32) 30.03.2017
(33) Germany

(51) B65C 9/18
B65H 75/24
(11) EP3052390
(21) EP14781634.2
(47) 11.09.2019
(87) GB2014052964
09.04.2015
(22) 01.10.2014
(54) SPOOL SUPPORT
(73) Videojet Technologies Inc.
(72) MCNESTRY, Martin
(31) 201317531
201407979
(32) 03.10.2013
06.05.2014
(33) United Kingdom
United Kingdom

(51) B65D 1/02
(11) EP2738107
(21) EP12817631.0
(47) 11.09.2019
(87) JP2012068822
31.01.2013
(22) 25.07.2012
(54) BOTTLE
(73) Yoshino Kogyosho Co., Ltd.
(72) NAKAYAMA Tadayori
KURIHARA Goro
IMAI Hiroaki
(31) 2011163103
2011188613
(32) 26.07.2011
31.08.2011
(33) Japan
Japan

(51) B65D 1/02
B65D 1/06
B65D 83/00
(11) EP3251960
(21) EP16742948.9
(47) 11.09.2019
(87) JP2016000275
04.08.2016
(22) 20.01.2016
(54) DOUBLE-WALLED CONTAINER
(73) Yoshino Kogyosho Co., Ltd.
(72) KITORA, Shuichi
KURIHARA, Tomoaki
MIYAIRI, Keisuke
(31) 2015017520
(32) 30.01.2015
(33) Japan

(51) B65D 1/02
B65D 41/34
(11) EP3344553
(21) EP16753477.5
(47) 11.09.2019
(87) IB2016054347
09.03.2017
(22) 21.07.2016
(54) CONTAINER AND RECYCLABLE TAMPER EVIDENT CLOSURE ASSEMBLY
(73) Guala Closures S.p.A.
(72) VIALE, Luca
GIOVANNINI, Marco
(31) UB20153398
(32) 03.09.2015
(33) Italy

(51) B65D 5/00
B65D 5/54
(11) EP3063074
(21) EP14799277.0
(47) 11.09.2019
(87) US2014062845
07.05.2015
(22) 29.10.2014
(54) PREASSEMBLED DISPLAY WITH AUTOMATIC STACKABLE SUPPORTS
(73) Mars, Incorporated
(72) PIERGALLINE, Michael D.
SCHOETTLE, David
(31) 201361896952 P
(32) 29.10.2013
(33) United States of America

(51) B65D 19/26
(11) EP3231724
(21) EP15866729.5
(47) 11.09.2019
(87) CN2015070912
16.06.2016
(22) 16.01.2015
(54) PALLET
(73) Suzhou Airbag Complexity Plastic Co. Ltd.
Liao, Yaw-Shin
(72) LIAO, Yaw-Shin
LIAO, Kao-Hsiung
LIAO, Chieh-Hua
(31) 201410747798

(32) 09.12.2014
(33) China

(51) B65D 21/02
G09F 3/03
B65B 7/16
B65D 77/20
(11) EP3235750
(21) EP17000122.6
(47) 11.09.2019
(22) 25.01.2017
(54) BLOK OF PACKAGES WITH LABEL STRIPS FOR MEDICALLY SEALED CLOSURE
(73) Rösler IP GmbH
(72) Rösler, Peter
Rösler, Thiemo
Sohler, Wolfgang
Alberstetter, Jochen
(31) 102016001276
(32) 04.02.2016
(33) Germany

(51) B65D 21/06
B65D 19/00
B65D 19/18
B65D 19/38
(11) EP2894108
(21) EP14198931.9
(47) 11.09.2019
(22) 18.12.2014
(54) Container with stacking rail with anti-slide coating
(73) Schoeller Allibert GmbH
(72) Orset, Olivier
(31) 102014100265
(32) 10.01.2014
(33) Germany

(51) B65D 23/14
B65D 51/24
B65D 55/02
B65D 55/06
(11) EP2969801
(21) EP14714853.0
(47) 11.09.2019
(87) US2014020992
25.09.2014
(22) 06.03.2014
(54) CONTAINER WITH A MEDAL
(73) Owens-Brockway Glass Container Inc.
(72) SMITH, Roger, P.
BRYANT, Jessica, R.
LAIB, Douglas
SMITH, Susan, L.
(31) 201313832605
(32) 15.03.2013
(33) United States of America

(51) B65D 25/48
(11) EP3072827
(21) EP16162265.9
(47) 11.09.2019
(22) 24.03.2016
(54) CONTAINER FOR STORAGE AND POURING OF LIQUIDS
(73) Kautex Textron GmbH & Co. KG
(72) NASARUK, Albert
KUNZ, Manuel
GUSE, Christoph
(31) 102015205532
(32) 26.03.2015
(33) Germany

(51) B65D 30/24
(11) EP3319885
(21) EP16738356.1
(47) 11.09.2019
(87) EP2016001171
12.01.2017
(22) 07.07.2016
(54) VALVE BAG
(73) dy-pack Verpackungen Gustav Dyckerhoff GmbH
(72) LISEK, Eduard
(31) 202015004837 U
(32) 07.07.2015
(33) Germany

(51) B65D 33/16
(11) EP3157830
(21) EP15719651.0
(47) 11.09.2019
(87) EP2015058622
23.12.2015
(22) 22.04.2015
(54) METHOD OF MANUFACTURING AN OPENING AND CLOSURE DEVICE AND A PACKAGING CONTAINER HAVING SUCH OPENING AND CLOSURE DEVICE
(73) Tetra Laval Holdings & Finance S.A.
(72) PERSSON, Jens
HÅKANSSON, Bengt
(31) 1450774
1450773
(32) 19.06.2014
19.06.2014
(33) Sweden
Sweden

(51) B65D 33/34
A44B 19/30
B65D 33/25
G09F 3/03
(11) EP3154868
(21) EP15770235.8
(47) 11.09.2019
(87) AU2015000173
01.10.2015
(22) 25.03.2015
(54) TAMPER EVIDENT DEVICE WITH AN IMPROVED COVER AND FRANGIBLE SEAL
(73) Harcor Security Seals Pty Limited
(72) PARTRIDGE, Kevin
BORTZ, Gary
SCHAEDE, Peter
(31) 2014901120
(32) 28.03.2014
(33) Australia

(51) B65D 39/00
(11) EP3269660
(21) EP16178774.2
(47) 11.09.2019
(22) 11.07.2016
(54) STOPPER FOR BEVERAGE CONTAINERS
(73) Greencork S.r.l.
(72) DAL BO, Alessandro
RAGONE, Paolo

(51) B65D 41/10
B65D 47/06
B65D 39/04
B65D 41/12
(11) EP3085634
(21) EP16170008.3
(47) 11.09.2019
(22) 26.01.2010
(54) A CLOSURE FOR A CONTAINER
(73) EQUIPE MOULDINGS LIMITED
(72) MCDOWELL, Craig
(31) 0901185
(32) 26.01.2009
(33) United Kingdom

(51) B65D 41/34
B65D 55/02
(11) EP3303165
(21) EP16729212.7
(47) 11.09.2019
(87) EP2016062096
08.12.2016
(22) 28.05.2016
(54) TAMPER-EVIDENT CLOSURE
(73) Obrist Closures Switzerland GmbH
(72) ROGNARD, Jean-Yves
(31) 201509400
(32) 01.06.2015
(33) United Kingdom

(51) B65D 47/08
(11) EP3305680
(21) EP16892390.2
(47) 11.09.2019
(87) ES2016070140
08.09.2017
(22) 04.03.2016
(54) STOPPER FOR CONTAINERS
(73) Betapack, S.A.U.
Alma SA
(72) BERROA GARCÍA, Javier

(51) B65D 51/00
(11) EP3326932
(21) EP17194211.3
(47) 11.09.2019
(22) 29.09.2017
(54) CLOSURE SYSTEM FOR BOTTLES CONTAINING LYOPHILIZED OR LIQUID PRODUCTS, PARTICULARLY INJECTABLE OR PERFUSABLE PHARMACEUTICAL PRODUCTS
(73) Capsulit S.P.A.
(72) RIZZARDI, Marco Maria Carlo
ADDABBO, Giuseppe
(31) 201600119044
(32) 24.11.2016
(33) Italy

(51) B65D 51/00
B29C 45/14
(11) EP2998237
(21) EP15177526.9
(47) 11.09.2019
(22) 20.07.2015
(54) METHOD FOR MANUFACTURING A MEDICAL RUBBER CLOSURE
(73) SUMITOMO RUBBER INDUSTRIES, LTD.
(72) Masuyama, Yoshikazu
Maeda, Katsushi
(31) 2014187915
(32) 16.09.2014

(33) Japan

(51) B65D 51/28
(11) EP3256396
(21) EP16706808.9
(47) 11.09.2019
(87) EP2016052759
18.08.2016
(22) 10.02.2016
(54) CLOSURE DEVICE FOR A CONTAINER
(73) RPC Bramlage GmbH
(72) PRESCHE, Martin
(31) 102015101961
(32) 11.02.2015
(33) Germany

(51) B65D 51/28
(11) EP3365242
(21) EP16781092.8
(47) 11.09.2019
(87) EP2016074138
27.04.2017
(22) 10.10.2016
(54) CLOSURE DEVICE FOR A CONTAINER
(73) RPC Bramlage GmbH
(72) PRESCHE, Martin
(31) 102015118053
(32) 22.10.2015
(33) Germany

(51) B65D 51/28
A24F 23/00
B65D 21/08
(11) EP3310685
(21) EP16729217.6
(47) 11.09.2019
(87) EP2016062402
22.12.2016
(22) 01.06.2016
(54) CONTAINER FOR SNUS AND METHODS OF FILLING
(73) Fiedler & Lundgren AB
(72) HINNERUD, Jacob Elander
BERGGREN, Adam
(31) 201510505
(32) 16.06.2015
(33) United Kingdom

(51) B65D 71/36
(11) EP3206964
(21) EP15790730.4
(47) 11.09.2019
(87) US2015055666
21.04.2016
(22) 15.10.2015
(54) CARTON AND CARTON BLANK
(73) WestRock Packaging Systems, LLC
(72) LOFTIN, Caleb S.
HAYTER, Gregory P.
PEELER, Andrew T.
PATWARDHAN, Tanuja A.
HARGROVE, John T.
(31) 201462064374 P
201562190379 P
201562198829 P
(32) 15.10.2014
09.07.2015
30.07.2015
(33) United States of America
United States of America
United States of America

(51) B65D 75/58
(11) EP3237299
(21) EP15726871.5
(47) 11.09.2019
(87) EP2015060314
19.11.2015
(22) 11.05.2015
(54) RECLOSABLE CLOSURE SYSTEM FOR PACKAGING
(73) VELCRO BVBA
(72) ARMELA, Luis Parellada
SOLER CARBONELL, Josep M
RODON, Enric
HERRERO, Emilio Muñoz
(31) 201461991756 P
(32) 12.05.2014
(33) United States of America

(51) B65D 75/58
(11) EP3377423
(21) EP15823059.9
(47) 11.09.2019
(87) US2015065598
22.06.2017
(22) 14.12.2015
(54) DETACHABLE FITMENT
(73) Colgate-Palmolive Company
(72) DALO, Phillip
SAMAROO, Derek Michael
WORTHINGTON, Brian G.

(51) B65D 75/58
(11) EP3246267
(21) EP17167218.1
(47) 11.09.2019
(22) 20.04.2017
(54) RECLOSABLE FLEXIBLE TUBULAR BAG PACKAGING AND RECLOSING METHOD FOR SAME
(73) Huhtamaki Flexible Packaging Germany GmbH & Co. KG
(72) SURDZIEL, Agata
(31) 102016006110
(32) 18.05.2016
(33) Germany

(51) B65D 75/58
A45D 19/00
B65D 75/48
(11) EP3016882
(21) EP14742424.6
(47) 11.09.2019
(87) US2014044997
08.01.2015
(22) 01.07.2014
(54) METHOD OF IMPROVING RE-CLOSURE OF OXIDATIVE HAIR COLORANT SACHET WITH FOLDABLE RE-CLOSURE DEVICE
(73) Noxell Corporation
(72) KERR, George Scott
FINLEY, Alton Lloyd, III.
(31) 201361842491 P
(32) 03.07.2013
(33) United States of America

(51) B65D 77/20
B65D 81/34
B65D 77/22
(11) EP3106409
(21) EP14882300.8
(47) 11.09.2019
(87) JP2014076355
20.08.2015
(22) 02.10.2014
(54) PACKAGE
(73) Toppan Printing Co., Ltd.
(72) INABA, Kazuhiko
YAJIMA, Shunsuke
(31) 2014024787
(32) 12.02.2014
(33) Japan

(51) B65D 81/32
B65D 51/28
(11) EP2658795
(21) EP11810775.4
(47) 11.09.2019
(87) US2011067801
02.08.2012
(22) 29.12.2011
(54) POST-MIX BEVERAGE SYSTEM
(73) PepsiCo, Inc.
(72) MARINA, Carlos Hernan
MAQUITA NAGANO, Jorge, Manuel
ARIAS, Ricardo
CLOQUELL GONZALEZ, Miriam
LITE FRANCISCO, Marc
PINYOL ESCARDO, Anton
ENGA, Agnete
FAIVRE D'ARCIER, Vincent
CONNELLY, Tim
CEDAR, Jonathan
FORT, Tucker
(31) 982374
(32) 30.12.2010
(33) United States of America

(51) B65D 83/38
B65D 83/48
(11) EP2832661
(21) EP14178944.6
(47) 11.09.2019
(22) 29.07.2014
(54) Valve support for a pressurised aerosol container comprising a plastics valve cup
(73) Thomas GmbH
(72) Franz, Walter
Seling, Kerstin
(31) 102013108195
(32) 31.07.2013
(33) Germany

(51) B65D 85/68
(11) EP3251975
(21) EP16172464.6
(47) 11.09.2019
(22) 01.06.2016
(54) KIT COMPRISING A PACKAGING AND A HOUSEHOLD APPLIANCE AND METHOD TO PACKAGE A HOUSEHOLD APPLIANCE
(73) Electrolux Appliances Aktiebolag
(72) BALDI, Claudio
GRUPPO, Luca

(51) B65D 85/68
B60P 3/08
(11) EP3400183
(21) EP17712181.1
(47) 11.09.2019
(87) FR2017050042
13.07.2017
(22) 09.01.2017

(54) PALLET HAVING NESTABLE TWO-LEVEL LOADING STRUCTURE
(73) Lohr Industrie
(72) ANDRE, Jean-Luc
LEONHART, Pierre
(31) 1650103
(32) 07.01.2016
(33) France

(51) B65D 85/804
(11) EP3353093
(21) EP16766990.2
(47) 11.09.2019
(87) EP2016072272
30.03.2017
(22) 20.09.2016
(54) CAPSULE WITH ANTI-DRIP DEVICE
(73) Société des Produits Nestlé S.A.
(72) HEYDEL, Christophe Sébastien Paul
DUBESSET, Claire
TALON, Christian
(31) 15186239
(32) 22.09.2015
(33) European Patent Office (EPO)

(51) B65D 88/28
B65D 90/58
B65D 88/74
(11) EP2683624
(21) EP12757355.8
(47) 11.09.2019
(87) US2012028777
20.09.2012
(22) 12.03.2012
(54) STORAGE AND DISCHARGE APPARATUS FOR PARTICULATE MATERIAL AND METHOD FOR STORING AND DISCHARGING PARTICULATE MATERIAL FROM A SILO
(73) Gencor Industries Inc.
(72) ELLIOTT, Marc, G.
CAVALLARO, Vitto, A.
MOLLICK, Joseph, T.
(31) 201161451631 P
(32) 11.03.2011
(33) United States of America

(51) B65D 88/54
B65D 88/12
(11) EP3369678
(21) EP18159663.6
(47) 11.09.2019
(22) 02.03.2018
(54) STRUCTURE FOR ROOF OF A CONTAINER, ROOF AND CONTAINER THEREWITH
(73) Ni.Ka.Mi. Corp. P.te Ltd. (Singapore)
(72) CARINA, Norberto
(31) 201700024162
(32) 03.03.2017
(33) Italy

(51) B65F 1/10
B65F 5/00
B65G 53/46
(11) EP3027536
(21) EP14831901.5
(47) 11.09.2019
(87) FI2014050596
05.02.2015
(22) 29.07.2014
(54) METHOD AND APPARATUS FOR FEEDING IN AND HANDLING WASTE MATERIAL
(73) Maricap OY
(72) SUNDHOLM, Göran
(31) 20135801
(32) 30.07.2013
(33) Finland

(51) B65F 1/14
A61H 3/06
(11) EP2546171
(21) EP12176426.0
(47) 11.09.2019
(22) 13.07.2012
(54) Waste collection facility
(73) Plastic Omnium Systèmes Urbains
(72) Barral, Denis
Trebuil, Loïc
Couture, Joseph
(31) 1156447
(32) 13.07.2011
(33) France

(51) B65G 1/04
(11) EP3159287
(21) EP16188635.3
(47) 11.09.2019
(22) 15.12.2011
(54) METHOD FOR BOT PAYLOAD ALIGNMENT AND SENSING
(73) Symbotic LLC
(72) TOEBES, Stephen
SULLIVAN, Robert
BUZAN, Forrest
(31) 423388 P
423365 P
423220 P
(32) 15.12.2010
15.12.2010
15.12.2010
(33) United States of America
United States of America
United States of America

(51) B65G 1/04
(11) EP3265406
(21) EP16718988.5
(47) 11.09.2019
(87) AT2016050034
15.09.2016
(22) 19.02.2016
(54) METHOD FOR STOCKPILING PIECE GOODS IN A STORAGE RACK, AND STORAGE SYSTEM
(73) TGW Logistics Group GmbH
(72) PREIDT, Peter
SCHRÖPF, Harald Johannes
(31) 501792015
(32) 06.03.2015
(33) Austria

(51) B65G 1/04
B65G 1/06
(11) EP3154877
(21) EP15736407.6
(47) 11.09.2019
(87) EP2015063499
23.12.2015
(22) 16.06.2015
(54) STORAGE SYSTEM
(73) Hansl, Rudolf
(72) Hansl, Rudolf
(31) 102014108453
(32) 16.06.2014
(33) Germany

(51) B65G 1/127
B23Q 7/10
(11) EP3354599
(21) EP18151793.9
(47) 11.09.2019
(22) 16.01.2018
(54) PRODUCTION LINE COMPRISING ONE OR MORE ASSEMBLING STATIONS AND AT LEAST ONE MODULE FOR CARRYING CONTAINERS
(73) Comau S.p.A.
(72) BELARDINELLI, Mr. Simone
GHIRARDI, Mr. Ugo
(31) 201700009893
(32) 30.01.2017
(33) Italy

(51) B65G 17/48
B29C 49/42
B65G 47/86
(11) EP3359474
(21) EP16793952.9
(47) 11.09.2019
(87) FR2016052603
13.04.2017
(22) 07.10.2016
(54) LINE FOR PRODUCING CONTAINERS BY BLOW MOULDING PREFORMS WITH A ROTATABLE REFERENCE ELEMENT
(73) Sidel Participations
(72) PETIT, Fabian
(31) 1559571
(32) 08.10.2015
(33) France

(51) B65G 37/02
B29C 31/00
B29D 11/00
B24B 13/00
B24B 27/00
B65G 43/10
(11) EP2998247
(21) EP15020175.4
(47) 11.09.2019
(22) 08.03.2013
(54) ASSEMBLY AND METHOD FOR MACHINING OPTICAL LENSES
(73) Schneider GmbH & Co. KG
(72) Schneider, Gunter
(31) 12001640
12003626
12003858
202012011690 U
(32) 09.03.2012
09.05.2012
16.05.2012
06.12.2012
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
Germany

(51) B65G 54/02
B60L 15/00
B60L 13/03
B60M 7/00

H04L 12/407
H04L 12/403
H02K 11/215
(11) EP3235768
(21) EP16166648.2
(47) 11.09.2019
(22) 22.04.2016
(54) STATOR SEGMENT FOR A LINEAR MOTOR BASED TRANSPORT SYSTEM AND TRANSPORT SYSTEM
(73) Siemens Aktiengesellschaft
FESTO AG & Co. KG
(72) Albert, Fabian
Jäntsch, Michael
Gierden, Marco
Hartramph, Ralf
Rothe, Sven
Spindler, Carsten
Veit, Andreas

(51) B65G 57/00
B65D 71/70
(11) EP3110731
(21) EP15709864.1
(47) 11.09.2019
(87) EP2015054111
03.09.2015
(22) 27.02.2015
(54) STACKING METHOD
(73) AUTEFA Solutions Germany GmbH
(72) KUHN, Rudolf
KNOBLOCH, Peter
(31) 202014100905 U
(32) 27.02.2014
(33) Germany

(51) B65H 3/10
(11) EP2602218
(21) EP12191559.9
(47) 11.09.2019
(22) 07.11.2012
(54) Eccentric suction wheel
(73) Heidelberger Druckmaschinen AG
(72) Haupt-Terlau, Martin
(31) 102011120476
(32) 08.12.2011
(33) Germany

(51) B65H 3/12
B65H 1/14
B65H 7/02
(11) EP3181499
(21) EP16202761.9
(47) 11.09.2019
(22) 07.12.2016
(54) SHEET-MATERIAL SUPPLY DEVICE
(73) Ricoh Company, Ltd.
(72) AKAI, Takeshi
FUJIWARA, Hidehiko
NIIKURA, Yasuo
EDO, Yousuke
TAKANO, Satoru
HINO, Yasunori
MATSUOKA, Tadashi
YOSHIDA, Atsunori
KANNO, Ryo
FUKASAWA, Hikaru
(31) 2015245725
(32) 16.12.2015
(33) Japan

(51) B65H 3/12
B65H 5/22
B65H 9/16
B65H 15/00
B65H 3/48
B65H 3/62
(11) EP2960191
(21) EP15179784.2
(47) 11.09.2019
(22) 11.02.2011
(54) SUCTIONING AND CONVEYING SYSTEM
(73) BDT Media Automation GmbH
(72) Kearney, Peter Xavier
Wardak, Andreas
Schech, Klaus
(31) 775522
(32) 07.05.2010
(33) United States of America

(51) B65H 5/38
(11) EP3281896
(21) EP16776494.3
(47) 11.09.2019
(87) JP2016060986
13.10.2016
(22) 04.04.2016
(54) IMAGE FORMING APPARATUS
(73) Kyocera Document Solutions Inc.
(72) SATO, Takehiro
TASHIRO, Yoshiaki
MORIZONO, Koki
(31) 2015077745
(32) 06.04.2015
(33) Japan

(51) B65H 23/035
B65H 23/032
B29D 30/44
B29D 30/30
(11) EP3089931
(21) EP14830625.1
(47) 11.09.2019
(87) IB2014066795
09.07.2015
(22) 11.12.2014
(54) METHOD FOR GUIDING AN ELONGATED ELEMENT FOR A PROCESS FOR OBTAINING VEHICLE WHEEL TYRES AND APPARATUS FOR OBTAINING VEHICLE TYRES
(73) Pirelli Tyre S.p.A.
(72) BIGOGNO, Mauro
PULICI, Lorenzo
(31) MI20132218
(32) 30.12.2013
(33) Italy

(51) B65H 23/188
B65H 23/04
B65H 20/24
(11) EP3403958
(21) EP18172312.3
(47) 11.09.2019
(22) 15.05.2018
(54) DEVICE AND METHOD FOR CHANGING FROM CONTINOUS TO INTERMITTENT THE FORWARD MOVEMENT OF A FILM INTO A MACHINE FOR THE PRODUCTION OF BAGS FOR FLEXIBLE PACKAGING
(73) Mobert S.r.l
(72) TREZZI, Roberto
TONIATO, Maurizio
(31) 201700052937
(32) 16.05.2017
(33) Italy

(51) B65H 23/188
B65H 23/192
(11) EP3393948
(21) EP16797842.8
(47) 11.09.2019
(87) EP2016077696
29.06.2017
(22) 15.11.2016
(54) METHOD FOR REGULATING THE PROCESSING OF A MATERIAL WEB ON THE BASIS OF REGISTER MARKS, AND APPARATUS FOR CARRYING OUT THE METHOD
(73) SIG Technology AG
(72) ZELL, Uwe
(31) 102015122430
(32) 21.12.2015
(33) Germany

(51) B65H 23/24
(11) EP3165486
(21) EP16195726.1
(47) 11.09.2019
(22) 26.10.2016
(54) SYSTEM AND METHOD FOR PROCESSING A FLEXIBLE SUBSTRATE
(73) NXP B.V.
(72) STOKKERMANS, Jozep
KAMPSCHREUR, Thomas
TER STEEG, Theo
HOUBEN, Patrick
(31) 201514935185
(32) 06.11.2015
(33) United States of America

(51) B65H 27/00
B41J 11/04
B65C 9/30
(11) EP3150528
(21) EP15799127.4
(47) 11.09.2019
(87) JP2015063258
03.12.2015
(22) 08.05.2015
(54) ELASTIC BODY ROLLER
(73) Sato Holdings Kabushiki Kaisha
(72) NITTA, Haruhiko
(31) 2014109449
(32) 27.05.2014
(33) Japan

(51) B65H 29/12
B65H 35/04
B65H 35/00
B65H 35/08
(11) EP2723666
(21) EP12735363.9
(47) 11.09.2019
(87) US2012042154
27.12.2012
(22) 13.06.2012
(54) SYSTEM AND METHOD FOR VARYING THE POSITION OF A NIP POINT
(73) Alliance Machine Systems International, LLC
(72) ROTH, Curtis, A.

(31) 201113166209
(32) 22.06.2011
(33) United States of America

(51) B65H 29/20
B65H 29/52
G07D 11/00
B65H 29/00
G07D 11/14
G07D 11/175
G07D 11/16
(11) EP3272687
(21) EP15885142.8
(47) 11.09.2019
(87) CN2015085516
22.09.2016
(22) 30.07.2015
(54) TEMPORARY PAPER MONEY STORAGE DEVICE
(73) GRG Banking Equipment Co., Ltd.
(72) LI, Zhimin
XU, Huan
LI, Zhe
(31) 201510117691
(32) 17.03.2015
(33) China

(51) B65H 45/24
A47K 10/16
A47K 10/34
A47K 10/42
B65H 37/04
B65H 35/04
A61F 13/539
B32B 3/02
B32B 3/06
(11) EP2935065
(21) EP12890532.0
(47) 11.09.2019
(87) SE2012051438
26.06.2014
(22) 19.12.2012
(54) STACK OF FOLDED WEB MATERIAL FOR HYGIENE PRODUCTS
(73) Essity Hygiene and Health Aktiebolag
(72) ANDERSSON, Anders
LARSSON, Björn
ANDERSSON, Inger
BENGTSSON, Mattias

(51) B65H 54/28
(11) EP3145846
(21) EP15726039.9
(47) 11.09.2019
(87) EP2015060960
26.11.2015
(22) 19.05.2015
(54) WINDING DEVICE FOR STRAND-LIKE MATERIAL TO BE WOUND
(73) Maschinenfabrik Niehoff GmbH & Co. KG
(72) SCHAFFER, Michael
BADER, Rudolf
ENZENSBERGER, Bernhard
BORCHERT, Timo
REINISCH, Hubert
KRAUS, Andreas
(31) 102014007552
(32) 22.05.2014
(33) Germany

(51) B65H 54/58
B65H 75/24
(11) EP2998258
(21) EP14185387.9
(47) 11.09.2019
(22) 18.09.2014
(54) Film coiling device for a packaging machine
(73) MULTIVAC Sepp Haggenmüller SE & Co. KG
(72) Kropf, Markus
Happach, Bernd

(51) B65H 54/80
B65H 67/04
(11) EP3331791
(21) EP16729774.6
(47) 11.09.2019
(87) EP2016000953
16.02.2017
(22) 09.06.2016
(54) DEVICE FOR FILLING A CAN WITH A SLIVER
(73) Trützschler GmbH & Co. KG
(72) LEINDERS, Christoph
(31) 102015113040
(32) 07.08.2015
(33) Germany

(51) B65H 54/80
B65H 67/04
B65H 57/28
(11) EP3331792
(21) EP16745614.4
(47) 11.09.2019
(87) EP2016000950
16.02.2017
(22) 09.06.2016
(54) DEVICE FOR FILLING A CAN WITH A SLIVER
(73) Trützschler GmbH & Co. KG
(72) LEINDERS, Christoph
HLAVSA, Dirk
(31) 102015113044
(32) 07.08.2015
(33) Germany

(51) B65H 54/80
B65H 67/04
D01H 9/18
D01G 15/46
D01G 15/64
(11) EP3148912
(21) EP15733344.4
(47) 11.09.2019
(87) EP2015000778
03.12.2015
(22) 14.04.2015
(54) DEVICE ON A CARDER FOR FILLING A ROUND CAN WITH SLIVER
(73) Trützschler GmbH & Co. KG
(72) LEINDERS, Christoph
(31) 102014007585
(32) 26.05.2014
(33) Germany

(51) B65H 54/88
B65H 57/00
B65H 67/048
D01D 13/02
(11) EP3162748
(21) EP16196252.7
(47) 11.09.2019
(22) 28.10.2016
(54) SPUN YARN WINDING SYSTEM
(73) TMT Machinery, Inc.
(72) Hioki, Masaaki
Tsujimoto, Akihiko
(31) 2015213745
(32) 30.10.2015
(33) Japan

(51) B65H 57/24
C04B 35/48
D01D 11/04
D01H 13/04
D01D 5/096
(11) EP3326948
(21) EP16841731.9
(47) 11.09.2019
(87) JP2016075031
09.03.2017
(22) 26.08.2016
(54) FIBER GUIDE
(73) KYOCERA Corporation
(72) INUKAI,Shigemune
TOYA,Yuuki
NAKASUGA,Minoru
(31) 2015169295
(32) 28.08.2015
(33) Japan

(51) B65H 67/06
D01H 9/18
(11) EP3309098
(21) EP17194396.2
(47) 11.09.2019
(22) 02.10.2017
(54) CARRIER DISTRIBUTING DEVICE
(73) Murata Machinery, Ltd.
(72) Yoshida, Yasunori
Nishina, Yuji
Hirano, Keiji
(31) 2016203688
(32) 17.10.2016
(33) Japan

(51) B65H 75/24
B65H 54/54
(11) EP3385207
(21) EP18157599.4
(47) 11.09.2019
(22) 20.02.2018
(54) SPINDLE FOR A WINDER
(73) Trützschler GmbH & Co. KG
(72) Flückiger, Pascal
Meier, Matthias
Rapold, Michael
(31) 102017107493
(32) 07.04.2017
(33) Germany

(51) B66B 1/18
(11) EP2669232
(21) EP11857181.9
(47) 11.09.2019
(87) JP2011051441
02.08.2012
(22) 26.01.2011
(54) GROUP MANAGEMENT CONTROL DEVICE FOR ELEVATOR
(73) Mitsubishi Electric Corporation
(72) ETO, Masaharu
SUZUKI, Naohiko

(51) B66B 7/06
D07B 1/22

(11) EP3330208
(21) EP17200332.9
(47) 11.09.2019
(22) 07.11.2017
(54) LOAD BEARING MEMBER FOR AN ELEVATOR SYSTEM HAVING A METALIZED POLYMER COATING
(73) Otis Elevator Company
(72) ZAFIRIS, Georgios S.
PAPAS, Paul
MOSHER, Daniel A.
DING, Zhongfen
GUILANI, Brad
EASTMAN, Scott A.
(31) 201615345039
(32) 07.11.2016
(33) United States of America

(51) B66B 9/00
B66B 11/00
(11) EP3190078
(21) EP15837914.9
(47) 11.09.2019
(87) CN2015080890
10.03.2016
(22) 05.06.2015
(54) VERTICAL LIFT ROAD-CROSSING ELEVATOR
(73) Isaac Elevator Co., Ltd
(72) HUANG, Hanhua
(31) 201410448885
(32) 04.09.2014
(33) China

(51) B66B 11/02
B66B 11/04
B66B 9/02
(11) EP2999652
(21) EP13885012.8
(47) 11.09.2019
(87) US2013041999
27.11.2014
(22) 21.05.2013
(54) SELF-PROPELLED ELEVATOR WITH WIRELESS POWER SUPPLY
(73) Otis Elevator Company
(72) PIECH, Zbigniew
SZELAG, Wojciech
WOJCIECHOWSKI, Rafal
JEDRYCZKA, Cezary

(51) B66B 13/12
(11) EP3186183
(21) EP15753370.4
(47) 11.09.2019
(87) EP2015069253
03.03.2016
(22) 21.08.2015
(54) DEVICE FOR OPERATING A CABIN AND HOISTWAY ELEVATOR DOOR
(73) SALVENMOSER, Michael
(72) SALVENMOSER, Michael
(31) 13002014
(32) 25.08.2014
(33) Switzerland

(51) B66C 23/90
B66C 13/40
B66C 23/42
B66C 23/00
B66C 23/70
B66F 11/04
B60P 1/54
(11) EP3362400
(21) EP16794205.1
(47) 11.09.2019
(87) AT2016060078
20.04.2017
(22) 14.10.2016
(54) ARRANGEMENT OF A CONTROL DEVICE AND A MOBILE CONTROL MODULE
(73) Palfinger AG
(72) HANGÖBL, Michael
(31) 30215 U
(32) 16.10.2015
(33) Austria

(51) B66F 7/28
(11) EP3170785
(21) EP15821339.7
(47) 11.09.2019
(87) JP2015066414
21.01.2016
(22) 05.06.2015
(54) LIFT POINT ALIGNING DEVICE FOR VEHICLE MAINTENANCE LIFTS
(73) Yasui Corporation
(72) HORIMIZU, Toshihide
(31) 2014145364
(32) 15.07.2014
(33) Japan

(51) B66F 9/06
B66F 9/075
B62D 15/02
G05D 1/02
(11) EP3269679
(21) EP16179517.4
(47) 11.09.2019
(22) 14.07.2016
(54) FLOOR CONVEYOR
(73) Toyota Material Handling Manufacturing Sweden AB
(72) VALFRIDSSON, Göran
ROGERS, Terence

(51) B66F 9/075
(11) EP3321227
(21) EP17198037.8
(47) 11.09.2019
(22) 24.10.2017
(54) INDUSTRIAL TRUCK WITH AN AUTOMATICALLY COUPLING RADIO REMOTE CONTROL AND A METHOD FOR AUTOMATICALLY COUPLING A RADIO REMOTE CONTROL WITH AN INDUSTRIAL TRUCK
(73) Jungheinrich Aktiengesellschaft
(72) Göpner, Oliver
(31) 102016121505
(32) 10.11.2016
(33) Germany

(51) B66F 9/075
E05D 11/08
E05D 3/14
(11) EP3333117
(21) EP17202663.5
(47) 11.09.2019
(22) 21.11.2017
(54) INDUSTRIAL TRUCK, ESPECIALLY ELECTRICALLY OPERATED INDUSTRIAL TRUCK
(73) STILL GmbH
(72) BUCHMANN, Michael
(31) 102016123806
(32) 08.12.2016
(33) Germany

(51) B66F 11/04
B66F 17/00
E04G 1/22
(11) EP3286128
(21) EP16720460.1
(47) 11.09.2019
(87) FR2016050893
27.10.2016
(22) 15.04.2016
(54) WORKING PLATFORM WITH POTHOLE PROTECTION
(73) Haulotte Group
(72) PITHOUD, Emmanuel
(31) 1553476
(32) 18.04.2015
(33) France

(51) B67C 3/00
B67C 3/02
B67C 7/00
(11) EP3386903
(21) EP16809737.6
(47) 11.09.2019
(87) EP2016079958
15.06.2017
(22) 06.12.2016
(54) BOTTLING MACHINE COMPRISING AT LEAST TWO MICRO-CAROUSELS FOR ADDITIVE FLUIDS, AND RELATED METHOD
(73) Société des Produits Nestlé S.A.
(72) COMIN, Andrea
KANNENGIESSER, Damien
(31) 15198163
(32) 07.12.2015
(33) European Patent Office (EPO)

(51) B67C 3/20
B67C 7/00
(11) EP3178781
(21) EP15198161.0
(47) 11.09.2019
(22) 07.12.2015
(54) DEVICE, SYSTEM, AND BOTTLING MACHINE FOR INTRODUCING AN ADDITIVE FLUID INTO A CONTAINER
(73) Société des Produits Nestlé S.A.
(72) COMIN, Andrea
KANNENGIESSER, Damien

(51) B67D 1/00
G07F 13/06
(11) EP2504268
(21) EP10785568.6
(47) 11.09.2019
(87) US2010058085
03.06.2011
(22) 24.11.2010
(54) BEVERAGE DISPENSING DEVICE
(73) PepsiCo, Inc.
(72) DEO, Indrani
JERSEY, Steven
(31) 703003
625226
(32) 09.02.2010
24.11.2009

(33) United States of America
United States of America

(51) B67D 1/04
B67D 1/08
(11) EP3362403
(21) EP16802133.5
(47) 11.09.2019
(87) IB2016056153
20.04.2017
(22) 14.10.2016
(54) DISPOSABLE KEG FOR FOOD LIQUIDS
(73) TRUE KEG S.r.l.
(72) FABBRI, Massimo
(31) UB20154696
UB20154698
UB20154700
(32) 15.10.2015
15.10.2015
15.10.2015
(33) Italy
Italy
Italy

(51) B67D 1/06
B67D 1/08
B67D 1/10
B67D 1/00
(11) EP3230197
(21) EP15871247.1
(47) 11.09.2019
(87) US2015066914
23.06.2016
(22) 18.12.2015
(54) BEVERAGE DISPENSING APPARATUS WITH REMOTE DISPENSING OPERATIVE CONTROLS
(73) Automatic Bar Controls, Inc.
(72) HECHT, Thomas R.
MARTINDALE, Richard A.
(31) 201462094898 P
(32) 19.12.2014
(33) United States of America

(51) B67D 7/04
F04B 9/14
(11) EP2049433
(21) EP07800427.2
(47) 11.09.2019
(87) CA2007001291
24.01.2008
(22) 18.07.2007
(54) PORTABLE FLUID EXCHANGE SYSTEM FOR CONCURRENTLY PUMPING LIQUID FROM A SOURCE CONTAINER TO A DESTINATION CONTAINER AND PUMPING VAPOR FROM THE DESTINATION CONTAINER TO THE SOURCE CONTAINER
(73) Fuel Transfer Technologies Inc.
(72) BONNER, Mark
(31) 831559 P
(32) 18.07.2006
(33) United States of America

(51) B81B 7/04
G02B 3/08
B42D 25/29
G02B 5/18
(11) EP2546070
(21) EP11752882.8
(47) 11.09.2019
(87) EA2011000001
15.09.2011
(22) 22.02.2011
(54) MICRO-OPTICAL SYSTEM FOR FORMING VISUAL IMAGES
(73) Computer Holography Center
(72) GONCHARSKIY, Anton Alexandrovich
GONCHARSKIY, Alexander Vladimirovich
DURLEVICH, Svyatoslav Radomirovich
(31) 201000535
(32) 09.03.2010
(33) Eurasian Patent Organization

(51) B81C 1/00
(11) EP2860151
(21) EP14003448.9
(47) 11.09.2019
(22) 07.10.2014
(54) Method for producing a hybrid micro-nano structure and structure made according to this method
(73) Siegert Thinfilm Technology GmbH
(72) Müller, Lutz
Hoffmann, Martin
(31) 102013017018
(32) 14.10.2013
(33) Germany

(51) B82Y 30/00
B82Y 40/00
C01B 32/15
B01J 8/18
B01J 8/00
(11) EP2537799
(21) EP11744719.3
(47) 11.09.2019
(87) JP2011053420
25.08.2011
(22) 17.02.2011
(54) APPARATUS FOR PRODUCING NANOCARBON MATERIAL AND METHOD FOR PRODUCING NANOCARBON MATERIAL
(73) The University of Tokyo
Hitachi Chemical Company, Ltd.
(72) NODA Suguru
OSAWA Toshio
KIM Dong Young
HABA Eisuke
SHUNSUKE Ueda
(31) 2010035239
(32) 19.02.2010
(33) Japan

(51) C01B 3/16
C01B 3/56
C01B 3/58
B01J 35/00
B01J 20/04
B01J 20/06
B01J 23/00
B01J 23/42
B01J 23/74
(11) EP2865643
(21) EP13806533.9
(47) 11.09.2019
(87) KR2013005515
27.12.2013
(22) 21.06.2013
(54) HIGH-PURITY GAS PRODUCTION APPARATUS
(73) Korea University Research and Business Foundation
(72) LEE, Ki Bong
JANG, Hyun-Min
LEE, Chan-Hyun
(31) 20120067576
(32) 22.06.2012
(33) Korea (Republic)

(51) C01B 3/38
C10G 45/00
(11) EP3330221
(21) EP16400056.4
(47) 11.09.2019
(22) 05.12.2016
(54) METHOD AND DEVICE FOR CREATING A FEED FLOW FOR A STEAM REFORMING UNIT
(73) L'AIR LIQUIDE, SOCIÉTÉ ANONYME POUR L'ÉTUDE ET L'EXPLOITATION DES PROCÉDÉS GEORGES CLAUDE
(72) Yue, Chen
Swatantra, Kumar Shrivastava
Mrityunjoy, Samaddar

(51) C01B 3/38
H01M 8/04
H01M 8/06
B01D 53/04
H01M 8/0662
H01M 8/0668
H01M 8/0612
H01M 8/04746
H01M 8/0432
H01M 8/04223
(11) EP2716597
(21) EP12792697.0
(47) 11.09.2019
(87) JP2012003439
06.12.2012
(22) 25.05.2012
(54) HYDROGEN-GENERATING DEVICE AND FUEL CELL SYSTEM
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) HARADA, Chie
WAKITA, Hidenobu
FUJIHARA, Seiji
NAKAJIMA, Tomoyuki
UKAI, Kunihiro
(31) 2011119060
(32) 27.05.2011
(33) Japan

(51) C01B 11/02
(11) EP2531444
(21) EP10704277.2
(47) 11.09.2019
(87) US2010023278
11.08.2011
(22) 05.02.2010
(54) SYSTEM AND METHOD FOR GENERATING CHLORINE DIOXIDE
(73) Sipka Inc.
(72) THANGARAJ, John, Appadurai

(51) C01B 25/36
A61K 33/06
A61K 33/42
(11) EP3301074
(21) EP17198364.6
(47) 11.09.2019

(22) 10.07.2008
(54) PROCESS FOR PRODUCING ALUMINUM PHOSPHATE
(73) Wyeth LLC
(72) KHANDKE, Lakshmi
PEREZ, Joseph
(31) 958958 P
169665
(32) 10.07.2007
09.07.2008
(33) United States of America
United States of America

(51) C01B 32/194
C07C 335/16
(11) EP3072850
(21) EP14863224.3
(47) 11.09.2019
(87) KR2014011143
28.05.2015
(22) 19.11.2014
(54) METHOD FOR PREPARING FUNCTIONALIZED GRAPHENE
(73) Hanwha Chemical Corporation
(72) LEE, Jin Seo
DO, Seung Hoe
JEON, Seong Yun
HAN, Gi Woo
KONG, Jung Ho
(31) 20130141006
(32) 19.11.2013
(33) Korea (Republic)

(51) C01B 32/956
H01M 4/36
H01M 4/38
H01M 4/58
H01M 4/02
H01M 10/0525
(11) EP3415469
(21) EP17176040.8
(47) 11.09.2019
(22) 14.06.2017
(54) SYNTHESIS OF SILICON-CARBON COMPOSITE IN A GAS-PHASE REACTOR
(73) Evonik Degussa GmbH
(72) Lang, Dr., Jürgen Erwin
Wiggers, Dr., Hartmut
Schulz, Prof. Dr., Christof
Orthner, Dr. Hans
Kovacevic, Jasmina

(51) C01B 33/113
H01M 8/1039
H01M 8/1048
(11) EP2872445
(21) EP13734437.0
(47) 11.09.2019
(87) EP2013064430
16.01.2014
(22) 09.07.2013
(54) MIXED METALLIC OXIDES AS SCAVENGERS FOR FLUORINATED ION EXCHANGE POLYMERS
(73) Solvay Specialty Polymers Italy S.p.A.
(72) OLDANI, Claudio
MERLO, Luca
ARICO, Antonio Salvatore
D' URSO, Claudia
BAGLIO, Vincenzo
(31) 12175923
(32) 11.07.2012
(33) European Patent Office (EPO)

(51) C01F 5/02
C09C 1/02
C09C 3/04
(11) EP3152164
(21) EP15728817.6
(47) 11.09.2019
(87) EP2015062638
10.12.2015
(22) 08.06.2015
(54) INORGANIC GRANULATE MATERIALS
(73) IMERTECH SAS
(72) LIKITALO, Mikko
BIZA, Peter
(31) 14290165
(32) 06.06.2014
(33) European Patent Office (EPO)

(51) C01F 5/10
C12P 7/40
C01B 13/18
C01F 5/06
C07C 51/00
(11) EP3330225
(21) EP18150949.8
(47) 11.09.2019
(22) 02.07.2014
(54) METHOD FOR MANUFACTURING A CARBOXYLIC ACID
(73) Purac Biochem bv
(72) DE HAAN, Andre Banier
DE VRIES, Johannes Jeichienus
FREDIANSYAH, Raymon
(31) 13174834
(32) 03.07.2013
(33) European Patent Office (EPO)

(51) C01G 25/02
C01G 27/02
C01G 35/00
C09C 1/00
C09C 3/08
C09D 5/24
H01L 39/00
C01G 1/02
C01G 23/047
C09C 1/36
C09D 11/033
C09D 11/38
H01L 39/24
(11) EP3265429
(21) EP16707058.0
(47) 11.09.2019
(87) EP2016053862
09.09.2016
(22) 24.02.2016
(54) NANOPARTICLES FOR THE USE AS PINNING CENTERS IN SUPERCONDUCTORS
(73) BASF SE
Ghent University
(72) HEMGESBERG, Maximilian
SCHWALL, Denis
STAUDT, Thorsten
DRIESSCHE, Isabel van
DE KEUKELEERE, Katrien
DE ROO, Jonathan
GRUENDLING, Till
MAIER, Matthias
BAECKER, Michael
BENNEWITZ, Jan
FEENSTRA, Ron
(31) 15157156
(32) 02.03.2015
(33) European Patent Office (EPO)

(51) C01G 39/06
(11) EP2670532
(21) EP12741656.8
(47) 11.09.2019
(87) US2012023757
09.08.2012
(22) 03.02.2012
(54) MOLYBDENUM DISULFIDE POWDERS
(73) Climax Molybdenum Company
(72) LOGUE, Gregory Rue
GIANNOTTI, Larry
DE GALA, Gary G.
COLE, James A.
COTTRELL, David L.
(31) 201161439571 P
(32) 04.02.2011
(33) United States of America

(51) C01G 51/00
H01M 4/32
H01M 4/62
(11) EP2455342
(21) EP10799916.1
(47) 11.09.2019
(87) JP2010062040
20.01.2011
(22) 16.07.2010
(54) COBALT CERIUM COMPOUND, ALKALINE STORAGE BATTERY, AND METHOD FOR PRODUCING COBALT CERIUM COMPOUND
(73) GS Yuasa International Ltd.
National Institute of Advanced Industrial Science and Technology
(72) MORISHITA, Masanori
KAKEYA, Tadashi
OCHIAI, Seijiro
NAKASHIMA, Aki
KAWABE, Yoshiteru
SAKAI, Tetsuo
(31) 2009168655
(32) 17.07.2009
(33) Japan

(51) C01G 53/00
H01M 4/36
H01M 4/525
H01M 4/505
H01M 4/131
H01M 10/0525
(11) EP3425703
(21) EP17760353.7
(47) 11.09.2019
(87) KR2017002357
08.09.2017
(22) 03.03.2017
(54) CATHODE ACTIVE MATERIAL FOR SECONDARY BATTERY, MANUFACTURING METHOD THEREFOR, AND SECONDARY BATTERY INCLUDING SAME
(73) LG Chem, Ltd.
(72) LEE, Sang Wook

JUNG, Wang Mo
PARK, Byung Chun
SHIN, Ju Kyung
PARK, Sang Min
KANG, Min Suk
(31) 20160026224
(32) 04.03.2016
(33) Korea (Republic)

(51) C02F 1/26
C02F 1/469
C22B 3/00
B01D 11/00
B09B 3/00
B09C 1/02
B09B 5/00
C02F 11/00
C02F 1/52
C02F 1/42
C02F 1/46
C02F 103/16
C02F 103/10
C02F 101/20
C02F 1/04
(11) EP3145873
(21) EP15723520.1
(47) 11.09.2019
(87) EP2015061139
26.11.2015
(22) 20.05.2015
(54) METHOD FOR THE TREATMENT OF SOLIDS AND LIQUIDS, AND OF CONTAMINATED SOIL AND BODIES OF WATER
(73) Pommersheim, Rainer
(72) Pommersheim, Rainer
(31) 102014007294
(32) 20.05.2014
(33) Germany

(51) C02F 1/28
B01J 20/02
B01D 71/02
(11) EP3071523
(21) EP14805331.7
(47) 11.09.2019
(87) GB2014053430
28.05.2015
(22) 20.11.2014
(54) WATER PURIFICATION
(73) The University Of Manchester
(72) RAVEENDRAN-NAIR, Rahul
JOSHI, Rakesh K.
GEIM, Andre
(31) 201320564
(32) 21.11.2013
(33) United Kingdom

(51) C02F 1/32
H01J 61/20
H01J 61/33
H01J 61/24
H01J 61/04
H01J 61/72
(11) EP3267466
(21) EP16178650.4
(47) 11.09.2019
(22) 08.07.2016
(54) UV MERCURY LOW-PRESSURE LAMP WITH AMALGAM DEPOSIT
(73) Xylem Europe GmbH
(72) WOJCIECHOWSKI, Andre
LANG, Michael
KANIGOWSKI, Uwe

(51) C02F 1/42
C02F 1/46
H01G 9/02
B01J 49/85
(11) EP3114086
(21) EP15758709.8
(47) 11.09.2019
(87) US2015019167
11.09.2015
(22) 06.03.2015
(54) METHODS AND DEVICES FOR MEASURING CONDUCTIVITY OF FLUIDS
(73) The Board of Regents of The University of Texas System
(72) NEMIR, David
DAVIS, Thomas, A.
(31) 201461949155 P
(32) 06.03.2014
(33) United States of America

(51) C02F 1/461
C02F 1/00
C02F 1/30
(11) EP2269956
(21) EP08734141.8
(47) 11.09.2019
(87) CN2008070783
29.10.2009
(22) 23.04.2008
(54) A MICRO-CURRENT ELECTROLYSIS STERILIZATION ALGAECIDE DEVICE AND METHOD
(73) Headway Technology Group (Qingdao) Co., Ltd.
(72) CAO, Xueliang
CAO, Xuelei
DU, Qinghua
LIU, Bingyan
CHEN, Ye

(51) C02F 1/52
C02F 1/66
C02F 101/00
C02F 103/34
(11) EP3339251
(21) EP17020592.6
(47) 11.09.2019
(22) 22.12.2017
(54) PROCESS FOR TREATMENT AND RECOVERY OF WASTE WATER FROM EXPLOSIVE INDUSTRIES
(73) Instituto Politécnico de Beja
(72) Nunes De Carvalho, Maria Fátima
Araújo Almeida, Maria Adelaide
Da Cruz Godinho Ribau Teixeira, Maria Margarida
Da Silva Prazeres, Ana Rita
Chaves, Humberto Manuel Indio Tomás Simão Madeira, Luis Miguel
(31) 109803
(32) 22.12.2016
(33) Portugal

(51) C02F 3/12
B01D 65/02
C02F 1/44
C02F 3/22
C02F 3/10
B01D 65/08
(11) EP2998278
(21) EP13889447.2
(47) 11.09.2019
(87) JP2013069392
22.01.2015
(22) 17.07.2013
(54) WATER TREATMENT DEVICE
(73) Mitsubishi Heavy Industries Engineering, Ltd.
(72) SATOU, Jun
OKINO, Susumu
UKAI, Nobuyuki
SUZUKI, Hideo
NAKASHOJI, Hiroshi
YOSHIOKA, Shigeru
SAKURAI, Hideaki
OGAWA, Naoki

(51) C02F 3/12
C02F 3/30
C02F 3/34
B01D 21/00
B03D 3/00
(11) EP3334693
(21) EP16744428.0
(47) 11.09.2019
(87) EP2016068055
16.02.2017
(22) 28.07.2016
(54) CONTINUOUS PROCESS AND SYSTEM FOR THE TREATMENT OF WASTEWATER
(73) HaskoningDHV Nederland B.V.
(72) HORJUS, Frans Wierd
(31) 2015286
(32) 10.08.2015
(33) Netherlands

(51) C02F 101/20
C02F 101/00
C02F 1/00
B01J 47/022
B01J 49/05
B01J 49/60
C02F 1/44
C02F 1/42
B01D 65/02
B01D 63/02
(11) EP2338840
(21) EP09804894.5
(47) 11.09.2019
(87) JP2009063381
11.02.2010
(22) 28.07.2009
(54) Condensate treatment system
(73) Organo Corporation
(72) YODEN, Mitsuru
KASAHARA, Satoshi
SUGANO, Mikio
(31) 2008205728
(32) 08.08.2008
(33) Japan

(51) C03B 5/43
C04B 35/48
C04B 35/657
(11) EP2918554
(21) EP13853071.2
(47) 11.09.2019

(87) JP2013080084
15.05.2014
(22) 07.11.2013
(54) MOLTEN GLASS CONVEYING EQUIPMENT ELEMENT, METHOD FOR MANUFACTURING MOLTEN GLASS CONVEYING EQUIPMENT ELEMENT, GLASS MANUFACTURING APPARATUS COMPRISING MOLTEN GLASS CONVEYING EQUIPMENT ELEMENT AND METHOD FOR MANUFACTURING GLASS PRODUCT
(73) AGC Inc.
(72) NIWA Akifumi
IGARASHI Hitoshi
HORI Keiji
(31) 2012248210
(32) 12.11.2012
(33) Japan

(51) C03B 33/02
B23K 26/00
C03B 33/04
C03B 33/09
B23K 26/53
B23K 103/00
(11) EP3322675
(21) EP16736133.6
(47) 11.09.2019
(87) EP2016066013
19.01.2017
(22) 06.07.2016
(54) METHOD FOR THE LASER-SUPPORTED DETACHMENT OF A SECTION FROM A PLANAR GLASS ELEMENT
(73) Schott AG
(72) WAGNER, Fabian
ORTNER, Andreas
SEIDL, Albrecht
LENTES, Frank-Thomas
GERBAN, Jörn
SCHMITT, Simon
(31) 102015111490
(32) 15.07.2015
(33) Germany

(51) C03B 33/023
C03B 33/03
C03B 33/033
C03B 33/04
C03B 33/037
C03B 33/02
(11) EP3172173
(21) EP15753402.5
(47) 11.09.2019
(87) FR2015052046
28.01.2016
(22) 23.07.2015
(54) METHOD FOR MANUFACTURING SHEETS OF GLASS OF COMPLEX SHAPE
(73) Saint-Gobain Glass France
(72) DUMENIL, Thierry
BURELOUX, Dominique
(31) 1457172
(32) 24.07.2014
(33) France

(51) C03B 37/014
C03B 37/018
C03C 15/00
C03C 23/00
(11) EP2294021
(21) EP09739188.2
(47) 11.09.2019
(87) US2009002630
05.11.2009
(22) 30.04.2009
(54) PROCESS FOR PREPARING AN OPTICAL PREFORM
(73) Corning Incorporated
(72) BOOKBINDER, Dana, C
LEBLOND, Nicolas
YOUNG, Judith, E
(31) 125984
(32) 30.04.2008
(33) United States of America

(51) C03B 37/027
C03B 37/10
C03C 13/04
C03C 3/06
G02B 6/02
(11) EP2933240
(21) EP13861713.9
(47) 11.09.2019
(87) JP2013083169
19.06.2014
(22) 11.12.2013
(54) OPTICAL FIBER MANUFACTURING METHOD AND OPTICAL FIBER
(73) Sumitomo Electric Industries, Ltd.
(72) HARUNA, Tetsuya
HIRANO, Masaaki
TAMURA, Yoshiaki
NAKANISHI, Tetsuya
(31) 2012271333
(32) 12.12.2012
(33) Japan

(51) C03C 17/00
B05B 16/00
B05B 16/60
C23C 16/455
C23C 16/54
(11) EP3109210
(21) EP15173661.8
(47) 11.09.2019
(22) 24.06.2015
(54) COATING APPARATUS FOR CONTAINERS, PROCESS OF APPLYING A COATING AND USE OF THE COATING APPARATUS
(73) ARKEMA BV
(72) Meurer, Oliver
Wagemakers, Joannes Theodorus Maria

(51) C03C 17/245
C23C 16/44
(11) EP2879999
(21) EP13742040.2
(47) 11.09.2019
(87) GB2013051899
06.02.2014
(22) 16.07.2013
(54) A METHOD OF DEPOSITING A COATING UTILIZING A COATING APPARATUS
(73) Pilkington Group Limited
(72) RADTKE, Michael Martin
PHILLIPS, Steven Edward
(31) 201261677277 P
(32) 30.07.2012
(33) United States of America

(51) C04B 24/28
C04B 24/02
(11) EP2391590
(21) EP09783842.9
(47) 11.09.2019
(87) EP2009063079
15.04.2010
(22) 08.10.2009
(54) ADSORPTION BLOCKER FOR AGGREGATES IN BUILDING MATERIAL COMPOSITIONS CONTAINING A FLOW AGENT
(73) Construction Research & Technology GmbH
(72) INGRISCH, Stefan
VIERLE, Mario
TSELEBIDIS, Andreas
NEUER, Katja
ALBRECHT, Gerhard
THALER, Stefan
BAUER, Mathias
DÖRFLER, Tanja
(31) 08166260
(32) 09.10.2008
(33) European Patent Office (EPO)

(51) C04B 26/16
E01C 7/30
(11) EP2193107
(21) EP08804143.9
(47) 11.09.2019
(87) EP2008062180
26.03.2009
(22) 12.09.2008
(54) METHOD FOR PRODUCING MINERAL-BEARING COVER LAYERS FOR FLOOR COVERINGS
(73) BASF SE
(72) MOHMEYER, Nils
REESE, Oliver
EISENHARDT, Andrea
LEBERFINGER, Marcus
MOHMEYER, Heinrich
(31) 07116500
(32) 14.09.2007
(33) European Patent Office (EPO)

(51) C04B 28/02
C04B 40/00
C04B 111/00
B28C 5/02
(11) EP3050859
(21) EP15153099.5
(47) 11.09.2019
(22) 29.01.2015
(54) Method for spraying a fibrous building material mixture in a wet spraying process
(73) MC-Bauchemie Müller GmbH & Co. KG
Chemische Fabriken
Ruhr-Universität Bochum
(72) Kleen, Eugen
Vollmann, Götz
Thewes, Markus

(51) C04B 35/01
C04B 35/495
C04B 35/622
C23C 16/00
(11) EP3313802
(21) EP16734273.2

(47) 11.09.2019
(87) EP2016065015
05.01.2017
(22) 28.06.2016
(54) CERAMIC COMPOSITE COATING AND PRODUCTION METHOD THEREOF
(73) Luxembourg Institute of Science and Technology
(72) BAHLAWANE, Naoufal
(31) 92757
(32) 29.06.2015
(33) Luxembourg

(51) C04B 35/101
C04B 35/105
C04B 35/66
C03B 5/43
C25C 3/08
(11) EP2162411
(21) EP08789262.6
(47) 11.09.2019
(87) IB2008052783
15.01.2009
(22) 10.07.2008
(54) A SINTERED PRODUCT BASED ON ALUMINA AND CHROMIUM OXIDE
(73) Saint-Gobain Centre de Recherches et d'Etudes Européen
(72) CITTI, Olivier
FOURCADE, Julien
(31) 0756426
(32) 11.07.2007
(33) France

(51) C04B 41/87
C04B 35/565
C04B 35/573
C04B 35/80
F16D 69/02
(11) EP2046700
(21) EP06796218.3
(47) 11.09.2019
(87) IT2006000534
17.01.2008
(22) 14.07.2006
(54) BRAKING BAND COMPOSITE STRUCTURE
(73) Freni Brembo S.p.A.
(72) GOLLER, Ralf, Siegfried FRENI BREMBO S.p.A.
MAURI, Bernardino
ORLANDI, Marco

(51) C07C 2/40
C07C 9/22
C07C 11/21
C10M 127/02
C07C 5/09
C10M 105/04
(11) EP2574187
(21) EP11724846.8
(47) 11.09.2019
(87) US2011037341
24.11.2011
(22) 20.05.2011
(54) SQUALANE AND ISOSQUALANE COMPOSITIONS AND METHODS FOR PREPARING THE SAME
(73) Amyris, Inc.
(72) FISHER, Karl
SCHOFER, Susan, Jessica
KANNE, David, B.
(31) 347366 P
201161447689 P
391538 P
(32) 21.05.2010
28.02.2011
08.10.2010
(33) United States of America
United States of America
United States of America

(51) C07C 2/66
C07C 6/12
C07C 15/02
C07C 15/085
(11) EP2867191
(21) EP12735700.2
(47) 11.09.2019
(87) US2012044313
03.01.2014
(22) 27.06.2012
(54) PROCESS FOR PRODUCING CUMENE
(73) Badger Licensing, LLC
(72) HWANG, Shyh-Yuan H.
JOHNSON, Dana E.

(51) C07C 6/02
C07C 11/02
C07C 9/00
C07C 7/20
B01J 31/12
C07C 6/04
(11) EP2760810
(21) EP12834855.4
(47) 11.09.2019
(87) US2012056469
04.04.2013
(22) 21.09.2012
(54) METHOD OF PRODUCING OLEFINS VIA METATHESIS
(73) Nalco Company
(72) SCHERTZER, Bryan M.
GRELA, Karol L.
CZABAN, Justyna
(31) 201113246994
(32) 28.09.2011
(33) United States of America

(51) C07C 13/19
C11B 9/00
(11) EP3339279
(21) EP17205637.6
(47) 11.09.2019
(22) 06.12.2017
(54) NOVEL ORGANOLEPTIC COMPOUNDS
(73) International Flavors & Fragrances Inc.
(72) AMORELLI, Benjamin
AMEGOR, Iyare
MONTELEONE, Michael G.
COLANDREA, Vincent
(31) 201662436523 P
(32) 20.12.2016
(33) United States of America

(51) C07C 29/80
C07C 31/08
B01J 19/18
C12P 7/08
C12P 7/10
C12P 7/14
(11) EP2675778
(21) EP12747508.5
(47) 11.09.2019
(87) US2012021086
23.08.2012
(22) 12.01.2012
(54) PROCESS AND SYSTEM FOR PRODUCING ETHANOL FROM A BYPRODUCT OF AN ETHANOL PRODUCTION FACILITY
(73) Cellulosic Ethanol Technologies, LLC
(72) BROTHERSON, Travis
(31) 201113026613
201113238969
(32) 14.02.2011
21.09.2011
(33) United States of America
United States of America

(51) C07C 39/15
A61K 8/33
A61Q 19/08
C07C 69/017
C07C 43/205
C07C 43/23
C07C 49/83
C07C 49/84
A61K 8/34
(11) EP3237366
(21) EP15810799.5
(47) 11.09.2019
(87) EP2015080804
30.06.2016
(22) 21.12.2015
(54) 1-(3,4-DISUBSTITUTED)PHENYL-2-(3,4-DISUBSTITUTED)PHENYLETHANE COMPOUNDS AND USE THEREOF
(73) L'Oréal
(72) HITCE, Julien
DALKO, Maria
FRANTZ, Marie-Céline
(31) 1463069
(32) 22.12.2014
(33) France

(51) C07C 41/18
C07C 43/215
(11) EP3322686
(21) EP16756947.4
(47) 11.09.2019
(87) EP2016066923
19.01.2017
(22) 15.07.2016
(54) PROCESS FOR PREPARING AN ARYLPROPENE
(73) BASF SE
(72) PARVULESCU, Andrei-Nicolae
MUELLER, Ulrich
FENLON, Thomas
CHATURVEDULA, Sumana
RUEDENAUER, Stefan
LANVER, Andreas
PELZER, Ralf
EBEL, Klaus
(31) 15176820
(32) 15.07.2015
(33) European Patent Office (EPO)

(51) C07C 51/00
C07C 51/42
C07C 51/47
C07C 53/02
C07C 59/185

(11) EP2928856
(21) EP13802053.2
(47) 11.09.2019
(87) EP2013075962
12.06.2014
(22) 09.12.2013
(54) PROCESS FOR THE PRODUCTION OF A BIOMASS HYDROLYSATE
(73) Georgia-Pacific LLC
(72) PARTON, Rudy Francois Maria Jozef
KROON, Johannes Augustinus
WOESTENBORGHS, Pierre Louis
(31) 12196081
201261734530 P
13183333
(32) 07.12.2012
07.12.2012
06.09.2013
(33) European Patent Office (EPO)
United States of America
European Patent Office (EPO)

(51) C07C 51/02
C07C 51/43
C07C 51/47
C01B 9/02
C01B 7/03
C01F 5/10
C01F 5/30
C12P 7/46
(11) EP3322688
(21) EP16739125.9
(47) 11.09.2019
(87) EP2016066806
19.01.2017
(22) 14.07.2016
(54) METHOD FOR MANUFACTURING SUCCINIC ACID
(73) PURAC Biochem BV
(72) VAN BREUGEL, Jan
JANSEN, Peter Paul
VIDAL LANCIS, José María
ĐEKIC ZIVKOVIC, Tanja
KON, Adriaan Dirk
(31) 15176659
(32) 14.07.2015
(33) European Patent Office (EPO)

(51) C07C 51/12
C07C 53/08
(11) EP2651869
(21) EP11806022.7
(47) 11.09.2019
(87) US2011063713
21.06.2012
(22) 07.12.2011
(54) EDUCTOR-BASED REACTOR AND PUMP AROUND LOOPS FOR PRODUCTION OF ACETIC ACID
(73) Celanese International Corporation
(72) ZINOBILE, Raymond
LAKIN, Michael
RAKHE, Ashok
SHAVER, Ronald David
(31) 970315
(32) 16.12.2010
(33) United States of America

(51) C07C 51/34
C07C 55/18
C07C 45/40
C07C 47/02
C07C 51/373
(11) EP2874989
(21) EP13820043.1
(47) 11.09.2019
(87) US2013051357
23.01.2014
(22) 19.07.2013
(54) OZONOLYSIS OPERATIONS FOR GENERATION OF REDUCED AND OXIDIZED PRODUCT STREAMS
(73) P2 Science, Inc.
(72) FOLEY, Patrick
YANG, Yonghua
(31) 201261673411 P
201361784376 P
(32) 19.07.2012
14.03.2013
(33) United States of America
United States of America

(51) C07C 235/42
A61K 31/165
A61P 25/28
(11) EP2970105
(21) EP14762317.7
(47) 11.09.2019
(87) US2014028201
18.09.2014
(22) 14.03.2014
(54) NON-PEPTIDE BDNF NEUROTROPHIN MIMETICS
(73) Pharmatrophix Inc.
(72) LONGO, Frank, M.
(31) 201361800022 P
(32) 15.03.2013
(33) United States of America

(51) C07C 237/40
C07D 213/40
A61K 31/16
(11) EP2310357
(21) EP09785362.6
(47) 11.09.2019
(87) GB2009050887
28.01.2010
(22) 20.07.2009
(54) POTASSIUM ION CHANNEL MODULATORS & USES THEREOF
(73) Ramot at Tel Aviv University Limited
(72) EDWARDS, Simon David
KIMBERLEY, Meriel Ruth
ARMER, Richard Edward
KHAN, Nawaz Mohammed
(31) 0813403
(32) 22.07.2008
(33) United Kingdom

(51) C07C 245/14
C07C 251/80
(11) EP2403825
(21) EP10707334.8
(47) 11.09.2019
(87) GB2010000368
10.09.2010
(22) 02.03.2010
(54) CHEMICAL AGENTS CAPABLE OF FORMING COVALENT 3-D NETWORKS
(73) Oxford Advanced Surfaces Ltd
(72) GRIFFITHS, Jon-Paul
EASON, Michael, Douglas
BEAL, Sarah, Louise
VICKERS, Sarah
WINCEWICZ, Richard, Charles
KING, David, Simon
(31) 0903563
0914692
(32) 02.03.2009
21.08.2009
(33) United Kingdom
United Kingdom

(51) C07C 391/00
C07D 295/16
C07C 335/16
C07D 213/75
C07C 335/08
C07C 335/18
C07C 335/14
A61K 31/165
A61K 31/5375
A61K 31/4453
A61K 31/17
A61K 31/4406
A61K 31/4402
A61P 35/00
A61P 25/28
A61P 37/06
A61P 31/04
(11) EP3085690
(21) EP14871208.6
(47) 11.09.2019
(87) CN2014094162
25.06.2015
(22) 18.12.2014
(54) NEW UREA COMPOUND, MANUFACTURING METHOD AND APPLICATION THEREOF
(73) Institute of Pharmacology and Toxicology Academy of Military Medical Sciences P.L.A. China
(72) ZHONG, Wu
LI, Song
ZENG, Yanqun
XIAO, Junhai
ZHOU, Xinbo
ZHENG, Zhibing
LI, Xingzhou
WANG, Xiaokui
(31) 201310704756
(32) 20.12.2013
(33) China

(51) C07D 207/12
A61K 31/40
A61P 35/02
C07F 9/572
(11) EP3022176
(21) EP14825876.7
(47) 11.09.2019
(87) US2014046711
22.01.2015
(22) 15.07.2014
(54) AZACYCLIC CONSTRAINED ANALOGS OF FTY720
(73) The Regents of the University of California
(72) EDINGER, Aimee
HANESSIAN, Stephen
(31) 201361846506 P
(32) 15.07.2013
(33) United States of America

(51) C07D 207/16
A61K 31/4015
A61K 9/16
(11) EP2459531
(21) EP10742739.5
(47) 11.09.2019
(87) EP2010004689
03.02.2011
(22) 30.07.2010
(54) GRANULATE COMPRISING VILDAGLIPTIN AND PROCESS FOR ITS PREPARATION
(73) KRKA, D.D., Novo Mesto
(72) ZUPET, Rok
SMODIS, Janez
STROPNIK, Tadej
ANDERLUH, Marko
VRBINC, Miha
VRECER, Franc
PECAVAR, Anica
KUKEC, Simon
(31) 200900216
200900295
(32) 31.07.2009
16.10.2009
(33) Slovenia
Slovenia

(51) C07D 207/27
C07C 233/15
(11) EP3230264
(21) EP15805092.2
(47) 11.09.2019
(87) US2015063101
16.06.2016
(22) 01.12.2015
(54) 3-OXO-3-(ARYLAMINO)PROPANOATES, A PROCESS FOR THEIR PREPARATION, AND THEIR USE IN PREPARING PYRROLIDINONES
(73) FMC Corporation
(72) SATTERFIELD, Andrew Duncan
(31) 201462088971 P
(32) 08.12.2014
(33) United States of America

(51) C07D 211/06
A61K 31/167
A61K 31/18
A61P 31/14
(11) EP2726459
(21) EP12807810.2
(47) 11.09.2019
(87) US2012044775
10.01.2013
(22) 29.06.2012
(54) SULFAMOYLBENZAMIDE DERIVATIVES AS ANTIVIRAL AGENTS AGAINST HBV INFECTION
(73) Baruch S. Blumberg Institute
Drexel University
(72) GUO, Ju-Tao
XU, Xiaodong
BLOCK, Timothy M.
(31) 201161503830 P
(32) 01.07.2011
(33) United States of America

(51) C07D 211/42
C07B 53/00
(11) EP3115358
(21) EP14884887.2
(47) 11.09.2019
(87) CN2014000197
11.09.2015
(22) 04.03.2014
(54) METHOD OF PREPARATION AND CHIRAL INVERSION OF CHIRAL-1-T-BUTOXYCARBONYL-3-HYDROXY PIPERIDINE
(73) ABA Chemicals Corporation
(72) LIN, Zhigang
XU, Jun
LIU, Yanqin
QUE, Limin
JIANG, Yueheng
CAI, Tong

(51) C07D 211/46
C08K 5/00
C08K 5/46
(11) EP3019474
(21) EP14822847.1
(47) 11.09.2019
(87) IB2014062823
15.01.2015
(22) 03.07.2014
(54) LIGHT STABILIZERS
(73) BASF SE
(72) PETER, Wolfgang
BRAIG, Adalbert
BERENS, Ulrich
SCHÖNING, Kai-Uwe
GROB, Markus
TARTARINI, Cinzia
WEYLAND, Tania
(31) 13175595
(32) 08.07.2013
(33) European Patent Office (EPO)

(51) C07D 231/12
A01N 47/20
A01P 3/00
C07D 231/16
(11) EP3246316
(21) EP16737236.6
(47) 11.09.2019
(87) JP2016050076
21.07.2016
(22) 05.01.2016
(54) CARBAMATE COMPOUND AND USE THEREOF
(73) Sumitomo Chemical Company, Limited
(72) AKIOKA, Yuki
(31) 2015003945
(32) 13.01.2015
(33) Japan

(51) C07D 233/64
A61K 31/625
(11) EP3262030
(21) EP16707564.7
(47) 11.09.2019
(87) IS2016050003
01.09.2016
(22) 22.02.2016
(54) PROCESS FOR THE PREPARATION OF INTERMEDIATES USEFUL IN THE SYNTHESIS OF ELUXADOLINE
(73) ALLERGAN HOLDINGS UNLIMITED COMPANY
(72) LUTHRA, Parven Kumar
SINHA, Chandrasekhar
QUADRI, Syed Aziz Imam
DAS, Tonmoy Chitta
(31) 9062
(32) 23.02.2015
(33) Iceland

(51) C07D 239/52
A01N 47/36
A01P 13/00
A01P 21/00
(11) EP3233810
(21) EP15817115.7
(47) 11.09.2019
(87) EP2015079283
23.06.2016
(22) 10.12.2015
(54) NOVEL CRYSTAL FORMS OF THE MONOSODIUM SALT OF FORAMSULFURON
(73) Bayer CropScience Aktiengesellschaft
(72) ANTONS, Stefan
OLENIK, Britta
KRÜGER, Martin
(31) 14198010
(32) 15.12.2014
(33) European Patent Office (EPO)

(51) C07D 259/00
C07D 273/00
C07D 487/18
C07D 487/22
C07F 19/00
A61P 43/00
C07D 498/18
(11) EP2920157
(21) EP13854903.5
(47) 11.09.2019
(87) US2013070356
22.05.2014
(22) 15.11.2013
(54) DI-MACROCYCLES
(73) Lumiphore, Inc.
(72) MAGDA, Darren
XU, Jide
BUTLIN, Nathaniel, G.
(31) 201261727568 P
201361793265 P
(32) 16.11.2012
15.03.2013
(33) United States of America
United States of America

(51) C07D 303/04
C07D 301/03
(11) EP2912027
(21) EP13786398.1
(47) 11.09.2019
(87) US2013066737
01.05.2014
(22) 25.10.2013
(54) NOVEL EPOXIDE COMPOUNDS: 1,3-DIOXIRANYLCYCLOPENTANE DERIVATIVES
(73) Blue Cube IP LLC
(72) POTISEK, Stephanie L.
WRIGHT, Robert J.
MULLINS, Michael J.
(31) 201261718752 P
(32) 26.10.2012
(33) United States of America

(51) C07D 311/06
C07D 265/34
C07D 265/36
C07D 265/38
C09K 19/32
C09K 19/34
C09K 19/54
C09K 19/60
G02B 5/30
C08F 220/30
H01L 51/52
C09K 19/04
C09B 57/06
C09B 57/02
C09B 69/10
C08G 59/00
C08L 63/00
(11) EP2695930
(21) EP12765873.0
(47) 11.09.2019
(87) JP2012056708
04.10.2012
(22) 15.03.2012
(54) POLYMERIZABLE LIQUID CRYSTAL COMPOSITION, POLARIZED LIGHT-EMITTING COATING MATERIAL, NOVEL NAPHTHOLACTAM DERIVATIVE, NOVEL COUMARIN DERIVATIVE, NOVEL NILE RED DERIVATIVE, AND NOVEL ANTHRACENE DERIVATIVE
(73) DIC Corporation
(72) KUBOTA, Yusuke
IRISAWA, Masatomi
YANO, Toru
MATSUMOTO, Ken
(31) 2011075698
2011268370
(32) 30.03.2011
07.12.2011
(33) Japan
Japan

(51) C07D 311/72
A61K 8/68
A23L 33/10
A61Q 19/00
(11) EP3395808
(21) EP16879254.7
(47) 11.09.2019
(87) KR2016014717
29.06.2017
(22) 15.12.2016
(54) PSEUDO-CERAMIDE COMPOUND AND PREPARATION METHOD THEREFOR
(73) Amorepacific Corporation
(72) JOO, Yung Hyup
YOO, Jae Won
KIM, Yong Jin
RHO, Ho Sik
LEE, John Hwan
(31) 20150186636
20160169877
(32) 24.12.2015
13.12.2016
(33) Korea (Republic)
Korea (Republic)

(51) C07D 317/22
(11) EP3328845
(21) EP16744429.8
(47) 11.09.2019
(87) EP2016068056
02.02.2017
(22) 28.07.2016
(54) METHOD FOR THE MANUFACTURE OF FLUORINATED CYCLIC CARBONATES AND THEIR USE FOR LITHIUM ION BATTERIES
(73) Solvay SA
(72) LEE, Ji-Hun
CHOI, Ji-Ae
HWANG, Hyung-Kwon
BOMKAMP, Martin
TVERDOMED, Sergey
SHEVCHUK, Mykhailo
KALINOVICH, Nataliya
RÖSCHENTHALER, Gerd-Volker
(31) 15178921
(32) 29.07.2015
(33) European Patent Office (EPO)

(51) C07D 401/06
A01N 43/653
(11) EP3277674
(21) EP16711861.1
(47) 11.09.2019
(87) EP2016056768
06.10.2016
(22) 29.03.2016
(54) TRIAZOL DERIVATIVES AS FUNGICIDES
(73) Bayer CropScience Aktiengesellschaft
(72) SUDAU, Alexander
HOFFMANN, Sebastian
DAHMEN, Peter
WACHENDORFF-NEUMANN, Ulrike
BERNIER, David
MILLER, Ricarda
COQUERON, Pierre-Yves
GENIX, Pierre
WITTROCK, Sven
VORS, Jean-Pierre
KENNEL, Philippe
BRUNET, Stephane
NAUD, Sébastien
MEISSNER, Ruth
(31) 15162422
(32) 02.04.2015
(33) European Patent Office (EPO)

(51) C07D 401/12
A61K 31/506
A61P 25/08
A61P 29/00
C07D 403/12
C07D 409/12
C07D 413/12
C07D 417/12
C07D 417/04
C07D 513/04
(11) EP2432776
(21) EP10777279.0
(47) 11.09.2019
(87) CA2010000779
25.11.2010
(22) 21.05.2010
(54) METHYL SULFANYL PYRIMIDINES USEFUL AS ANTIINFLAMMATORIES, ANALGESICS, AND ANTIEPILEPTICS
(73) Université Laval
(72) ATTARDO, Giorgio
TRIPATHY, Sasmita
GAGNON, Martin
(31) 180253 P
285003 P
289628 P
(32) 21.05.2009
09.12.2009
23.12.2009
(33) United States of America
United States of America
United States of America

(51) C07D 401/12
C07D 211/56
C07D 487/04
A61K 31/40
A61K 31/4439
A61P 25/04
(11) EP3328847
(21) EP16744665.7
(47) 11.09.2019
(87) EP2016001309
02.02.2017
(22) 28.07.2016
(54) N-(2-(3-(BENZYL(METHYL)AMINO)PYRROLIDIN-1-YL)ETHYL)-N-PHENYL)PROPIONAMIDE DERIVATIVES AND RELATED COMPOUNDS AS DUAL SIGMA 1 AND MU OPIOID RECEPTOR LIGANDS FOR THE TREATMENT OF PAIN
(73) ESTEVE PHARMACEUTICALS, S.A.
(72) GARCIA-LOPEZ, Monica
ALMANSA-ROSALES, Carmen
(31) 15382391
(32) 29.07.2015
(33) European Patent Office (EPO)

(51) C07D 401/14
C07D 401/10
A61K 31/4709
A61K 31/506
A61P 5/40
A61P 9/04
A61P 9/12
A61P 13/12
(11) EP2964628
(21) EP14707808.3
(47) 11.09.2019
(87) EP2014054210
12.09.2014
(22) 05.03.2014
(54) NEW DIHYDROQUINOLINE-2-ONE DERIVATIVES AS ALDOSTERONE SYNTHASE (CYP11B2 OR CYP11B1) INHIBITORS
(73) F.Hoffmann-La Roche AG
(72) AEBI, Johannes
AMREIN, Kurt
HORNSPERGER, Benoit
KUHN, Bernd
MAERKI, Hans P.
MAYWEG, Alexander V.
TAN, Xuefei
(31) PCT/CN2013/072348
(32) 08.03.2013
(33) World Intellectual Property Office (WIPO)

(51) C07D 401/14
C07D 413/14
C07D 491/08
C07D 215/38
C07D 401/04
C07D 401/12
C07D 405/12
C07D 413/10
C07D 413/12
C07D 417/12
C07D 471/04
C07D 487/04
A61K 31/5383
A61K 31/496
(11) EP3124482
(21) EP15768666.8
(47) 11.09.2019
(87) CN2015074268
01.10.2015
(22) 16.03.2015
(54) QUINOLINE DERIVATIVES AS SMO INHIBITORS
(73) GUANGDONG ZHONGSHENG PHARMACEUTICAL CO., LTD.
(72) WU, Hao
LIN, Jun
LI, Yunhui
WEI, Changqing
CHEN, Shuhui
LONG, Chaofeng
CHEN, Xiaoxin
LIU, Zhuowei
CHEN, Lijuan
(31) 201410110890
201510104908
(32) 24.03.2014
10.03.2015
(33) China
China

(51) C07D 403/12
A61K 31/497
A61P 11/06
A61P 11/08
(11) EP3022198
(21) EP14736351.9
(47) 11.09.2019
(87) EP2014063949
22.01.2015
(22) 01.07.2014
(54) NOVEL 5-SUBSTITUTED BENZIMIDAZOLIUM COMPOUNDS
(73) Boehringer Ingelheim International GmbH
(72) KLEY, Jörg
FRATTINI, Sara
HAMPRECHT, Dieter
HECKEL, Armin
(31) 13176490
(32) 15.07.2013
(33) European Patent Office (EPO)

(51) C07D 405/14
C07D 401/04
C07D 401/12
C07D 405/04
C07D 409/12
C07D 409/14
C07D 417/14
C07D 295/12
C07D 295/125
C07D 295/13
C07D 295/135
A61K 31/496
A61P 25/04
(11) EP3328853
(21) EP16744666.5
(47) 11.09.2019
(87) EP2016001310
02.02.2017
(22) 28.07.2016
(54) SUBSTITUTED AMIDE DERIVATIVES HAVING MULTIMODAL ACTIVITY AGAINST PAIN
(73) ESTEVE PHARMACEUTICALS, S.A.
(72) GARCIA-LOPEZ, Monica
ALMANSA-ROSALES, Carmen
LLORENTE-FERNANDEZ, Ana, Virginia
GARRIGA-SANAHUJA, Lourdes
CHRISTMANN, Ute
(31) 15382390
(32) 29.07.2015
(33) European Patent Office (EPO)

(51) C07D 417/12
C07D 473/18
C07D 487/04
C07D 519/00
A61K 31/506
A61P 35/00
C07D 239/553
C07D 239/545
C07D 403/12
(11) EP3019496
(21) EP14748351.5
(47) 11.09.2019
(87) US2014046442
15.01.2015
(22) 11.07.2014
(54) PYRIMIDINE DERIVATIVES AS KINASE INHIBITORS
(73) ACEA Therapeutics, Inc.
(72) XU, Xiao
WANG, Xiaobo
MAO, Long
ZHAO, Li
XI, Biao
(31) 201361845342 P
201461923179 P
(32) 11.07.2013
02.01.2014
(33) United States of America
United States of America

(51) C07D 417/14
A61K 31/501
A61K 31/53
A61P 35/00
(11) EP3383871
(21) EP16802102.0
(47) 11.09.2019
(87) EP2016079251
08.06.2017
(22) 30.11.2016
(54) 1,3,4-THIADIAZOLE COMPOUNDS AND THEIR USE IN TREATING CANCER
(73) Astrazeneca AB
Cancer Research Technology Limited
(72) FINLAY, Maurice, Raymond, Verschoyle
NISSINK, Johannes, Wilhelmus, Maria
CHARLES, Mark, David
WOOD, James, Matthew
(31) 201562260787 P
(32) 30.11.2015
(33) United States of America

(51) C07D 471/04
C07D 473/34
C07D 473/38
C07D 487/04
A61K 31/4162
A61K 31/52
(11) EP3083617
(21) EP14823973.4
(47) 11.09.2019
(87) EP2014078288
25.06.2015
(22) 17.12.2014
(54) ISOCHROMENE DERIVATIVES AS PHOSPHOINOSITIDE 3-KINASES INHIBITORS
(73) Chiesi Farmaceutici S.p.A.
(72) BIAGETTI, Matteo
CAPELLI, Anna Maria
ACCETTA, Alessandro
CARZANIGA, Laura
(31) 13197986
(32) 18.12.2013
(33) European Patent Office (EPO)

(51) C07D 471/22
C07D 491/22
C09B 5/62
C09B 23/04
H01L 51/00
H01G 9/20
(11) EP2989109
(21) EP14788948.9
(47) 11.09.2019
(87) IB2014060902
30.10.2014
(22) 22.04.2014
(54) PREPARATION OF PI-EXTENDED NAPHTHALENE DIIMIDES AND THEIR USE AS SEMICONDUCTOR
(73) BASF SE
(72) GEßNER, Thomas
SURARU, Sabin-Lucian
WÜRTHNER, Frank
(31) 13165368
(32) 25.04.2013
(33) European Patent Office (EPO)

(51) C07D 487/04
C07D 519/00
A61K 31/505
A61P 25/14
(11) EP3134413
(21) EP15721086.5
(47) 11.09.2019
(87) US2015027102
29.10.2015
(22) 22.04.2015
(54) SUBSTITUTED [1,2,4]TRIAZOLO[1,5-A]PYRIMIDIN-7-YL COMPOUNDS AS PDE2 INHIBITORS
(73) Dart NeuroScience (Cayman) Ltd.
(72) BREITENBUCHER, James
FREESTONE, Graeme
GOMEZ, Laurent
LEMUS, Robert
LY, Kiev

MCCARRICK, Margaret
VERNIER, William
VICKERS, Troy
(31) 201461983387 P
(32) 23.04.2014
(33) United States of America

(51) C07D 489/08
A61K 31/485
A61P 25/30
(11) EP3019500
(21) EP14738819.3
(47) 11.09.2019
(87) EP2014064819
15.01.2015
(22) 10.07.2014
(54) NALMEFENE SALTS AS MEDICAMENTS FOR REDUCING ALCOHOL CONSUMPTION OR FOR PREVENTING EXCESSIVE ALCOHOL CONSUMPTION
(73) H. Lundbeck A/S
(72) DE DIEGO, Heidi Lopez
(31) 201300421
(32) 11.07.2013
(33) Denmark

(51) C07D 493/04
A61K 31/35
A61K 31/352
A61K 31/34
C12Q 1/68
G01N 33/574
A61P 35/00
(11) EP3162803
(21) EP15815478.1
(47) 11.09.2019
(87) KR2015006701
07.01.2016
(22) 30.06.2015
(54) NEW COMPOUND FOR INHIBITING BINDING BETWEEN DX2 PROTEIN AND P14/ARF PROTEIN, AND PHARMACEUTICAL COMPOSITION FOR TREATING OR PREVENTING CANCER DISEASE CONTAINING SAME AS EFFECTIVE INGREDIENT
(73) Pusan National University Industry-University Cooperation Foundation
The Industry & Academic Cooperation in Chungnam National University (IAC)
(72) PARK, Bum Joon
SONG, Gyu Yong
OH, Ah-Young
LEE, Jee-Hyun
HER, Jin-Hyuk
(31) 20140081396
20150092057
(32) 30.06.2014
29.06.2015
(33) Korea (Republic)
Korea (Republic)

(51) C07D 493/04
A61K 31/352
A61P 31/12
(11) EP3277692
(21) EP16709098.4
(47) 11.09.2019
(87) HR2016000005
06.10.2016
(22) 02.02.2016
(54) COUMARIN DERIVATIVE AS ANTIVIRAL AGENT, PHARMACEUTICAL COMPOSITION THEREOF, ITS PREPARATION AND USE
(73) I-NOVA MEDICINSKA ISTRAZIVANJA d.o.o.
(72) TRKOVNIK, Mladen
CACIC, Milan
RIZVANI, Jonuz
(31) PCT/HR2015/000008
(32) 30.03.2015
(33) World Intellectual Property Office (WIPO)

(51) C07D 513/04
C07D 515/04
C07D 291/08
C07D 515/20
C07D 513/20
A61K 31/407
A61P 31/20
(11) EP3317286
(21) EP16733102.4
(47) 11.09.2019
(87) EP2016065488
05.01.2017
(22) 01.07.2016
(54) CYCLIZED SULFAMOYLARYLAMIDE DERIVATIVES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B
(73) Janssen Sciences Ireland Unlimited Company
(72) VENDEVILLE, Sandrine, Marie, Helene
LAST, Stefaan, Julien
DEMIN, Samuël, Dominique
GROSSE, Sandrine, Céline
HACHÉ, Geerwin, Yvonne, Paul
HU, Lili
PIETERS, Serge, Maria, Aloysius
ROMBOUTS, Geert
VANDYCK, Koen
VERSCHUEREN, Wim, Gaston
RABOISSON, Pierre, Jean-Marie, Bernard
(31) 15175021
15189903
15201332
16157726
(32) 02.07.2015
15.10.2015
18.12.2015
26.02.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) C07F 5/02
A01N 55/08
A23B 4/20
A23B 7/154
A23L 3/3463
(11) EP3261437
(21) EP16749789.0
(47) 11.09.2019
(87) US2016017326
18.08.2016
(22) 10.02.2016
(54) FUNGICIDAL COMPOUNDS AND COMPOSITIONS
(73) AgroFresh Inc.
(72) JACOBSON, Richard M.
(31) 201562115174 P
(32) 12.02.2015
(33) United States of America

(51) C07F 7/00
(11) EP3197902
(21) EP15775414.4
(47) 11.09.2019
(87) EP2015072142
31.03.2016
(22) 25.09.2015
(54) PROCESS FOR PREPARING A ZIRCONIUM-BASED METAL ORGANIC FRAMEWORK
(73) Universitetet I Oslo
Christian-Albrechts-Universität zu Kiel
Katholieke Universiteit Leuven
(72) REINSCH, Helge
LILLERUD, Karl Petter
CHAVAN, Sachin
OLSBYE, Unni
STOCK, Norbert
DE VOS, Dirk
(31) 201417076
(32) 26.09.2014
(33) United Kingdom

(51) C07F 7/00
C08F 4/64
C08F 4/06
C08F 136/06
C08F 4/60
(11) EP3194409
(21) EP15763347.0
(47) 11.09.2019
(87) EP2015071189
24.03.2016
(22) 16.09.2015
(54) PYRIDINE COMPLEX OF ZIRCONIUM, CATALYTIC SYSTEM COMPRISING SAID PYRIDINE COMPLEX OF ZIRCONIUM AND PROCESS OF (CO)POLYMERIZATION OF CONJUGATED DIENES
(73) Versalis S.p.A.
(72) PAMPALONI, Guido
RICCI, Giovanni
SOMMAZZI, Anna
MASI, Francesco
LEONE, Giuseppe
(31) MI20141596
(32) 17.09.2014
(33) Italy

(51) C07F 7/18
C08G 59/30
C08G 59/38
C08G 59/32
(11) EP2835373
(21) EP13772355.7
(47) 11.09.2019
(87) KR2013002730
10.10.2013
(22) 02.04.2013
(54) EPOXY COMPOUND HAVING ALKOXYSILYL GROUP, COMPOSITION AND HARDENED MATERIAL COMPRISING SAME, USE FOR SAME, AND PRODUCTION METHOD

FOR EPOXY COMPOUND HAVING ALKOXYSILYL GROUP
(73) Korea Institute of Industrial Technology
(72) CHUN, Hyun-Aee
PARK, Su-Jin
TAK, Sang-Yong
KIM, Yun-Ju
PARK, Sook-Yeon
PARK, Sung-Hwan
(31) 20120034070
(32) 02.04.2012
(33) Korea (Republic)

(51) C07F 9/6564
C09K 9/02
(11) EP3154990
(21) EP15806710.8
(47) 11.09.2019
(87) CN2015081459
17.12.2015
(22) 15.06.2015
(54) ROBUST PHOTOCHROMIC COMPOUNDS WITH SILICON- OR PHOSPHORUS-CONTAINING HETEROCYCLIC RING
(73) The University of Hong Kong
(72) YAM, Wing-Wah Vivian
CHAN, Chi-Hung Jacky
WONG, Hok-Lai
WU, Man-Wai Nathan
(31) 201462011797 P
(32) 13.06.2014
(33) United States of America

(51) C07F 9/6571
C07F 15/00
B01J 31/22
(11) EP3019509
(21) EP14744715.5
(47) 11.09.2019
(87) US2014045969
15.01.2015
(22) 09.07.2014
(54) NOVEL CHIRAL NITROGEN-PHOSPHORUS LIGANDS AND THEIR USE FOR ASYMMETRIC HYDROGENATION OF ALKENES
(73) Boehringer Ingelheim International GmbH
(72) HADDAD, Nizar
QU, Bo
SAVOIE, Jolaine
SENANAYAKE, Chris Hugh
WEI, Xudong
(31) 201361844567 P
201461987187 P
(32) 10.07.2013
01.05.2014
(33) United States of America
United States of America

(51) C07F 17/00
C08F 210/16
C08F 4/6592
(11) EP3400230
(21) EP17700012.2
(47) 11.09.2019
(87) EP2017050011
13.07.2017
(22) 02.01.2017
(54) CATALYST COMPRISING A METALLOCENE COMPLEX AND A CO-CATALYST
(73) SABIC Global Technologies B.V.
(72) VADAKE KULANGARA, Shaneesh
FRIEDERICHS, Nicolaas, Hendrika
GINZBURG, Anton
VOSKOBOYNIKOV, Alexander
IZMER, Vyatcheslav
KONONOVICH, Dmitry
SAMSONOV, Oleg
VITTORIA, Antonio
BUSICO, Vincenzo
CIPULLO, Roberta
GHAVALE, Ninad
NANDURKAR, Nitin
GUZEEV, Bogdan
BORISOV, Ilya
UBORSKY, Dmitry
(31) 16150209
16193512
(32) 05.01.2016
12.10.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C07H 15/04
A61K 31/70
A61P 37/00
A61P 11/06
A61P 1/00
A61P 25/28
(11) EP2906576
(21) EP13845999.5
(47) 11.09.2019
(87) US2013064453
17.04.2014
(22) 11.10.2013
(54) GLYCOSPHINGOLIPIDS AND METHODS OF USE THEREOF
(73) The Brigham and Women's Hospital, Inc.
President and Fellows of Harvard College
(72) KASPER, Dennis, L.
AN, Dingding
OH, Sungwhan
BLUMBERG, Richard, S.
OLSZAK, Torsten
DAS NEVES, Joana Pereira
(31) 201261713467 P
201261717446 P
201361841888 P
(32) 12.10.2012
23.10.2012
01.07.2013
(33) United States of America
United States of America
United States of America

(51) C07K 14/00
A61K 47/42
A61K 38/17
A61K 49/04
C12N 15/52
(11) EP2899201
(21) EP13838276.7
(47) 11.09.2019
(87) KR2013008459
27.03.2014
(22) 17.09.2013
(54) CELL PENETRATING PEPTIDE, CONJUGATE COMPRISING SAME, AND COMPOSITION COMPRISING CONJUGATE
(73) Gemvax & Kael Co., Ltd.
Kim, Sang Jae
(72) KIM, Sang Jae
(31) 20120104173
20120104144
20120109207
20120109216
20130017046
(32) 19.09.2012
19.09.2012
28.09.2012
28.09.2012
18.02.2013
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) C07K 14/115
A61K 39/155
(11) EP2714722
(21) EP12725974.5
(47) 11.09.2019
(87) US2012039026
06.12.2012
(22) 23.05.2012
(54) GENETIC VACCINES AGAINST HENDRA VIRUS AND NIPAH VIRUS
(73) Boehringer Ingelheim Animal Health USA Inc.
(72) AUDONNET, Jean-Christophe
MINKE, Jules, Maarten
MEBATSION, Teshome
CHARREYRE, Catherine
(31) 201161491037 P
(32) 27.05.2011
(33) United States of America

(51) C07K 14/195
C12N 9/22
(11) EP2534173
(21) EP11740153.9
(47) 11.09.2019
(87) US2011000221
11.08.2011
(22) 07.02.2011
(54) ENGINEERED CLEAVAGE HALF-DOMAINS
(73) Sangamo Therapeutics, Inc.
(72) DOYON, Yannick
MILLER, Jeffrey C.
(31) 403916 P
337769 P
(32) 23.09.2010
08.02.2010
(33) United States of America
United States of America

(51) C07K 14/415
C07K 14/47
(11) EP3442995
(21) EP17709039.6
(47) 11.09.2019
(87) EP2017055096
19.10.2017
(22) 03.03.2017

(54) PRODUCTION OF SUBERIN
(73) Luxembourg Institute of Science and Technology (LIST)
(72) LEGAY, Sylvain
(31) 93026
(32) 14.04.2016
(33) Luxembourg

(51) C07K 14/52
A61K 38/21
C12N 15/62
A61K 38/19
A61P 37/04
C07K 14/56
(11) EP3299466
(21) EP17195867.1
(47) 11.09.2019
(22) 03.07.2014
(54) FUSOKINES INVOLVING CYTOKINES WITH STRONGLY REDUCED RECEPTOR BINDING AFFINITIES
(73) VIB VZW
Universiteit Gent
Centre National de la Recherche Scientifique
Université de Montpellier
Centre Hospitalier Regional Universitaire De Montpellier
(72) TAVERNIER, Jan
BULTINCK, Jennyfer
GERLO, Sarah
UZÉ, Gilles
PAUL, Franciane
BORDAT, Yann
(31) 13306034
(32) 18.07.2013
(33) European Patent Office (EPO)

(51) C07K 14/54
C12N 15/24
C12N 15/62
(11) EP3265478
(21) EP16708154.6
(47) 11.09.2019
(87) EP2016054729
15.09.2016
(22) 07.03.2016
(54) FUSION PROTEINS COMPRISING A BINDING PROTEIN AND AN INTERLEUKIN-15 POLYPEPTIDE HAVING A REDUCED AFFINITY FOR IL15RA AND THERAPEUTIC USES THEREOF
(73) DKFZ Deutsches Krebsforschungszentrum
Eberhard Karls Universität Tübingen
(72) GUNDRAM, Jung
SALIH, Helmut
LINDNER, Cornelia
LOCHMANN, Berit
(31) 15157911
(32) 06.03.2015
(33) European Patent Office (EPO)

(51) C07K 14/655
A61K 38/00
A61P 1/04
A61P 1/12
A61P 3/10
A61P 5/02
A61P 19/02
A61P 25/04
A61P 25/28
A61P 27/02
A61P 27/12
A61P 27/06
A61P 29/00
A61P 35/00
(11) EP2752424
(21) EP12828271.2
(47) 11.09.2019
(87) JP2012072380
07.03.2013
(22) 03.09.2012
(54) GLYCOSYLATED SOMATOSTATIN AND DRUG COMPOSITION CONTAINING IT
(73) Glytech, Inc.
(72) OCHIAI, Hirofumi
SHIMODA, Taiji
FUKAE, Kazuhiro
MAEDA, Masatoshi
ISHII, Kazuyuki
YOSHIDA, Kenta
TEZUKA, Katsunari
TAZURU, Keisuke
(31) 2011192202
(32) 04.09.2011
(33) Japan

(51) C07K 14/78
(11) EP3119803
(21) EP15714129.2
(47) 11.09.2019
(87) US2015021466
24.09.2015
(22) 19.03.2015
(54) STABILIZED FIBRONECTIN BASED SCAFFOLD MOLECULES
(73) Bristol-Myers Squibb Company
(72) LIPOVSEK, Dasa
(31) 201461955975 P
201462084270 P
(32) 20.03.2014
25.11.2014
(33) United States of America
United States of America

(51) C07K 16/00
C07K 16/18
C07K 16/28
(11) EP3105247
(21) EP15704303.5
(47) 11.09.2019
(87) EP2015052893
20.08.2015
(22) 11.02.2015
(54) SCFV ANTIBODY LIBRARY
(73) Alligator Bioscience AB
(72) ELLMARK, Peter
PERSSON, Helena
(31) 201402631
(32) 14.02.2014
(33) United Kingdom

(51) C07K 16/12
G01N 33/53
(11) EP3461841
(21) EP17382654.6
(47) 11.09.2019
(22) 02.10.2017
(54) ANTI-DPS ANTIBODIES AND TEST DEVICES FOR THE DETECTION OF BACTERIA OF THE GENUS CAMPYLOBACTER
(73) Certest Biotec, S.L.
(72) LANDETA ELORZ, Oscar
GARCÍA MIGUEL, Yolanda
MARTÍNEZ OLIVÁN, Juan Enrique
VELASCO MICHELENA, Beatriz

(51) C07K 16/18
(11) EP3166971
(21) EP15739728.2
(47) 11.09.2019
(87) US2015039372
14.01.2016
(22) 07.07.2015
(54) METHOD OF DETECTING CLEAVED SNAP25 IN TISSUE SAMPLES
(73) ALLERGAN, INC.
(72) BROIDE, Ron S.
CAI, Brian
FERNANDEZ-SALAS, Ester
FRANCIS, Joseph
RHEAUME, Catherine
(31) 201462021379 P
201562158900 P
201562163829 P
(32) 07.07.2014
08.05.2015
19.05.2015
(33) United States of America
United States of America
United States of America

(51) C07K 16/18
A61K 39/00
A61K 49/00
A61K 49/16
A61K 51/10
(11) EP2807188
(21) EP13740871.2
(47) 11.09.2019
(87) US2013023307
01.08.2013
(22) 25.01.2013
(54) HUMANIZED ANTIBODIES THAT RECOGNIZE ALPHA-SYNUCLEIN
(73) Prothena Biosciences Limited
(72) SALDANHA, Jose
NIJJAR, Tarlochan S.
(31) 201261591835 P
201261711207 P
(32) 27.01.2012
08.10.2012
(33) United States of America
United States of America

(51) C07K 16/18
C07K 16/28
A61K 39/395
A61P 19/08
(11) EP3298037
(21) EP16736267.2
(47) 11.09.2019
(87) US2016032108
24.11.2016
(22) 12.05.2016
(54) ANTI-DKK-1-ANTI-RANKL BISPECIFIC ANTIBODY COMPOUNDS
(73) Eli Lilly and Company
(72) KORYTKO, Andrew
OBUNGU, Victor H

(31) 201562163044 P
(32) 18.05.2015
(33) United States of America

(51) C07K 16/18
C07K 16/28
C07K 16/30
C07K 16/46
(11) EP2723771
(21) EP12727658.2
(47) 11.09.2019
(87) EP2012061304
27.12.2012
(22) 14.06.2012
(54) SERUM ALBUMIN BINDING PROTEINS
(73) Ablynx NV
(72) DOMBRECHT, Bruno
SCHOTTE, Peter
VERVERKEN, Cedric Jozef Néotére
(31) 201161500464 P
(32) 23.06.2011
(33) United States of America

(51) C07K 16/24
C07K 16/46
(11) EP2521736
(21) EP11700015.8
(47) 11.09.2019
(87) EP2011050071
07.07.2011
(22) 04.01.2011
(54) HUMANIZED ANTIBODIES
(73) argenx BVBA
(72) DREIER, Torsten
DE HAARD, Johannes Joseph Wilhelmus
(31) 201000064
292028 P
(32) 04.01.2010
04.01.2010
(33) United Kingdom
United States of America

(51) C07K 16/28
(11) EP3172233
(21) EP15744834.1
(47) 11.09.2019
(87) US2015041192
28.01.2016
(22) 20.07.2015
(54) ANTI-CD74 ANTIBODIES, COMPOSITIONS COMPRISING ANTI-CD74 ANTIBODIES AND METHODS OF USING ANTI-CD74 ANTIBODIES
(73) Sutro Biopharma, Inc.
(72) PENTA, Kalyani
STAFFORD, Ryan
GILL, Avinash
LI, Xiaofan
YAM, Alice
THANOS, Christopher
SATO, Aaron
(31) 201462027637 P
(32) 22.07.2014
(33) United States of America

(51) C07K 16/28
A61K 39/395
A61K 39/00
(11) EP3126393
(21) EP15714451.0
(47) 11.09.2019
(87) EP2015056898
08.10.2015
(22) 30.03.2015
(54) A METHOD OF TREATING BONE DISEASE
(73) VIB VZW
Universiteit Gent
(72) ELEWAUT, Dirk
LOUAGIE, Els
JUCHTMANS, Nele
(31) 14162584
(32) 31.03.2014
(33) European Patent Office (EPO)

(51) C07K 16/28
A61K 39/395
A61P 35/02
A61P 37/00
(11) EP2780375
(21) EP12805432.7
(47) 11.09.2019
(87) EP2012072699
23.05.2013
(22) 15.11.2012
(54) BINDING MOLECULES FOR BCMA AND CD3
(73) Amgen Research (Munich) GmbH
Amgen Inc.
(72) KUFER, Peter
RAUM, Tobias
HOFFMANN, Patrick
KISCHEL, Roman
LUTTERBUESE, Ralf
RAU, Doris
ADAM, Paul
BORGES, Eric
HEBEIS, Barbara
HIPP, Susanne
(31) 201161560144 P
201161560149 P
201161560162 P
201161560178 P
201161560183 P
201261651486 P
201261651474 P
(32) 15.11.2011
15.11.2011
15.11.2011
15.11.2011
15.11.2011
24.05.2012
24.05.2012
(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

(51) C07K 16/28
A61P 17/06
(11) EP3126392
(21) EP15714136.7
(47) 11.09.2019
(87) US2015021613
08.10.2015
(22) 19.03.2015
(54) METHODS OF TREATING NAIL AND SCALP PSORIASIS
(73) Kirin-Amgen, Inc.
(72) NIRULA, Ajay
NAKAGAWA, Hidemi
OHTAKI, Kenji
MATSUDO, Hiroki
KLEKOTKA, Paul
KRICORIAN, Gregory
(31) 201461972638 P
201462031850 P
201462041879 P
(32) 31.03.2014
31.07.2014
26.08.2014
(33) United States of America
United States of America
United States of America

(51) C07K 16/28
C07K 16/30
A61K 38/00
A61P 35/00
(11) EP2958943
(21) EP14713280.7
(47) 11.09.2019
(87) US2014017364
28.08.2014
(22) 20.02.2014
(54) TREATMENT OF CANCER USING HUMANIZED ANTI-EGFRVIII CHIMERIC ANTIGEN RECEPTOR
(73) The Trustees Of The University Of Pennsylvania
University of Pittsburgh - Of the Commonwealth System of Higher Education
Novartis AG
(72) BROGDON, Jennifer
LOEW, Andreas
JOHNSON, Laura Alexandra
JUNE, Carl H.
MAUS, Marcela
SCHOLLER, John
OKADA, Hideho
(31) 201361767071 P
201361888255 P
(32) 20.02.2013
08.10.2013
(33) United States of America
United States of America

(51) C08B 11/00
C08K 5/00
C08L 1/26
(11) EP3362484
(21) EP16781425.0
(47) 11.09.2019
(87) EP2016074541
20.04.2017
(22) 13.10.2016
(54) CELLULOSE ETHERS WITH TEMPORARY CROSS-LINKS, A PROCESS TO MAKE THEM, AND THEIR USE
(73) Nouryon Chemicals International B.V.
(72) KARLSSON, Hans Jonas
(31) 15190280
(32) 16.10.2015
(33) European Patent Office (EPO)

(51) C08B 15/02
C08B 16/00
(11) EP3015478
(21) EP14818010.2

(47) 11.09.2019
(87) IB2014000152
31.12.2014
(22) 13.02.2014
(54) PRODUCTION OF A NOVEL MULTI-PURPOSE CELLULOSIC EXCIPIENT
(73) Universidad De Antioquia
(72) ROJAS CAMARGO, John, Jairo
LÓPEZ LÓPEZ, Alvin de Jesús
(31) 13152949
(32) 27.06.2013
(33) Colombia

(51) C08B 37/00
C08L 5/00
A23L 29/25
A23L 2/52
(11) EP3328901
(21) EP16745715.9
(47) 11.09.2019
(87) EP2016068135
02.02.2017
(22) 29.07.2016
(54) GUM ARABIC FROM ACACIA SEYAL
(73) Döhler GmbH
(72) AL-ASSAF, Saphwan
LUKANOWSKI, Johann
TRETZEL, Joachim
(31) 15179164
(32) 30.07.2015
(33) European Patent Office (EPO)

(51) C08F 4/651
C08F 4/655
C08F 4/658
C08F 10/02
C08F 210/16
(11) EP3397662
(21) EP16829088.0
(47) 11.09.2019
(87) EP2016082680
06.07.2017
(22) 27.12.2016
(54) PROCESS FOR MAKING A SOLID CATALYST COMPONENT FOR ETHYLENE POLYMERIZATION AND COPOLYMERIZATION
(73) SABIC Global Technologies B.V.
(72) MOMAN, Akhlaq
BLACKMORE, Ian
(31) 15203216
(32) 30.12.2015
(33) European Patent Office (EPO)

(51) C08F 4/654
C08F 10/00
C08F 110/06
C08F 4/642
C08F 4/651
C08F 4/649
(11) EP2958950
(21) EP14754662.6
(47) 11.09.2019
(87) IN2014000047
28.08.2014
(22) 22.01.2014
(54) AN IMPROVED MAGNESIUM DICHLORIDE SUPPORTED TITANIUM CATALYST COMPOSITION FOR POLYOLEFIN POLYMERIZATION
(73) Reliance Industries Limited
(72) VYAS, Priyanshu Bharatkumar
PATIL, Harshad Ramdas
GUPTA, Virendra, Kumar
(31) 486MU2013
(32) 19.02.2013
(33) India

(51) C08F 110/02
C08F 4/38
C08F 2/38
C08F 2/00
(11) EP3356429
(21) EP16785243.3
(47) 11.09.2019
(87) FR2016052470
06.04.2017
(22) 29.09.2016
(54) RADICAL POLYMERISATION OF ETHYLENE INITIATED BY A COUPLE OF ORGANIC PEROXIDES WITH HIGH PRODUCTIVITY
(73) Arkema France
(72) VAN HEMELRYCK, Bruno
HUB, Serge
LAURICHESSE, Christian
BERSON, Anne
(31) 1559145
(32) 29.09.2015
(33) France

(51) C08F 210/00
B32B 15/085
B32B 27/32
C08F 4/80
C08L 23/04
C09J 123/08
C08F 220/18
C08J 5/18
C09D 123/08
C08L 23/06
C08L 23/08
C08F 210/02
C09J 123/04
(11) EP2796480
(21) EP12860244.8
(47) 11.09.2019
(87) JP2012083367
27.06.2013
(22) 21.12.2012
(54) POLAR GROUP-CONTAINING OLEFIN COPOLYMER, MULTINARY POLAR OLEFIN COPOLYMER, OLEFIN RESIN COMPOSITION, AND ADHESIVE MATERIAL, LAMINATE, AND OTHER APPLICATION PRODUCTS USING SAME
(73) Japan Polyethylene Corporation
Japan Polypropylene Corporation
(72) ABE Kazunari
KOBAYASHI Minoru
UCHINO Hideshi
SHIMIZU Hiroyuki
MORIOKA Tetsuya
IWAMA Naoshi
(31) 2011282521
2012080294
2012083336
(32) 23.12.2011
30.03.2012
31.03.2012
(33) Japan
Japan
Japan

(51) C08F 218/10
C09D 131/02
C08F 230/08
C09D 143/04
(11) EP3363827
(21) EP17075004.6
(47) 11.09.2019
(22) 21.02.2017
(54) AMBIENT CURE CROSSLINKABLE COPOLYMERS OF VINYL BRANCHED ESTER AND VINYL SILANE PREPARATION AND USE THEREOF
(73) Hexion Research Belgium SA
(72) Heymans, Denis
Romanowska, Catherine

(51) C08F 220/06
C09D 4/06
C08F 220/32
C08F 230/08
C09D 133/14
C08L 33/14
(11) EP3166983
(21) EP15747621.9
(47) 11.09.2019
(87) US2015039667
14.01.2016
(22) 09.07.2015
(54) CURABLE FILM-FORMING COMPOSITIONS AND METHOD OF MITIGATING DIRT BUILD-UP ON A SUBSTRATE
(73) PPG Industries Ohio, Inc.
(72) SWARUP, Shanti
POLK, W. David
(31) 201414326820
(32) 09.07.2014
(33) United States of America

(51) C08F 220/30
C08F 2/44
C08F 265/06
C08L 33/14
C09K 19/38
C09K 19/54
G02F 1/13363
C09K 19/20
C09K 19/30
C09K 19/04
C09K 19/52
C08F 222/10
(11) EP3072911
(21) EP14864559.1
(47) 11.09.2019
(87) JP2014076776
28.05.2015
(22) 07.10.2014
(54) POLYMERIZABLE LIQUID CRYSTAL COMPOSITION, AND ANISOTROPIC OPTICAL BODY, PHASE DIFFERENCE FILM, ANTIREFLECTIVE FILM, AND LIQUID CRYSTAL DISPLAY ELEMENT FABRICATED USING COMPOSITION
(73) DIC Corporation
(72) ENDOU Koichi
KUWANA Yasuhiro
NAKATA Hidetoshi
YAMAMOTO Mika

HATSUSAKA Kazuaki
(31) 2013239876
(32) 20.11.2013
(33) Japan

(51) C08F 271/00
C08F 271/02
D21H 17/45
D21H 21/10
D21H 21/18
C08F 8/00
D21H 17/41
C08F 226/02
C08F 8/44
(11) EP3132092
(21) EP15719353.3
(47) 11.09.2019
(87) US2015025406
22.10.2015
(22) 10.04.2015
(54) MODIFIED VINYLAMINE CONTAINING POLYMERS AND THEIR USE IN PAPERMAKING
(73) Solenis Technologies, L.P.
(72) BORKAR, Sachin
LUSVARDI, Kate Marritt
MAHONEY, Joseph M.
GU, Qu-ming
LUO, Mingxiang
(31) 201461980336 P
(32) 16.04.2014
(33) United States of America

(51) C08F 290/02
G09F 9/00
C08F 290/04
C08F 290/06
G03F 7/00
G03F 7/028
G03F 7/20
(11) EP3006475
(21) EP14807627.6
(47) 11.09.2019
(87) JP2014063418
11.12.2014
(22) 21.05.2014
(54) PHOTOCURABLE RESIN COMPOSITION AND IMAGE DISPLAY DEVICE PRODUCTION METHOD
(73) Dexerials Corporation
(72) IWATA Mizuki
UEMATSU Takeshi
KAWABATA Kazuhito
HAYASHI Naoki
(31) 2013120198
(32) 06.06.2013
(33) Japan

(51) C08G 12/02
C09D 161/24
C08G 65/333
C08G 12/46
C09D 161/22
(11) EP3068816
(21) EP14789730.0
(47) 11.09.2019
(87) US2014060364
21.05.2015
(22) 14.10.2014
(54) A NON-AQUEOUS CROSSLINKABLE COMPOSITON, A METHOD TO PRODUCE SAME AND COATINGS AND ARTICLES COMPRISING THE SAME
(73) Dow Global Technologies Llc
(72) FOLEY, Paul
ARGYROPOULOS, John N.
HE, Yiyong
(31) 201361903494 P
(32) 13.11.2013
(33) United States of America

(51) C08G 18/10
C09D 175/04
C08G 18/30
C08G 18/32
C08G 18/50
(11) EP2948485
(21) EP14701064.9
(47) 11.09.2019
(87) EP2014051135
31.07.2014
(22) 21.01.2014
(54) LIQUID-APPLIED WATERPROOFING MEMBRANE COMPRISING OXAZOLIDINE AND ALDIMINE
(73) Sika Technology AG
(72) BYRNE, Michael
GATRELL, Mark
COWARD, Alexander
BURCKHARDT, Urs
(31) 13152262
(32) 22.01.2013
(33) European Patent Office (EPO)

(51) C08G 18/16
(11) EP2710047
(21) EP12722806.2
(47) 11.09.2019
(87) GB2012051034
22.11.2012
(22) 11.05.2012
(54) A FOAM COMPOSITION AND ITS USES THEREOF
(73) MAS Innovation (Private) Limited
(72) LIYANAGE, Gaya Keerthi
VITARANA, Ranil Kirthi
(31) 201108044
201108046
(32) 13.05.2011
13.05.2011
(33) United Kingdom
United Kingdom

(51) C08G 18/18
C08K 5/34
C08K 5/54
C08K 5/20
C08G 18/48
C08G 18/76
C08J 9/00
C08G 18/20
(11) EP2551287
(21) EP12173539.3
(47) 11.09.2019
(22) 26.06.2012
(54) Additive compound which can be used to control foaming properties during the production of polyurethane soft foams containing polyols based on renewable materials
(73) Evonik Degussa GmbH
(72) Terheiden, Annegret
Hubel, Roland
Ferenz, Michael
(31) 102011079791
(32) 26.07.2011
(33) Germany

(51) C08G 18/44
C08G 18/48
C08G 18/66
C08G 18/76
C08G 18/32
C08G 18/40
C08G 101/00
(11) EP2917257
(21) EP13853024.1
(47) 11.09.2019
(87) US2013068932
15.05.2014
(22) 07.11.2013
(54) HIGH STRENGTH POLYURETHANE FOAM COMPOSITIONS AND METHODS
(73) SAUDI ARAMCO TECHNOLOGIES COMPANY
(72) ALLEN, Scott, D.
SENDIJAREVIC, Vahid
SENDIJAREVIC, Aisa
(31) 201261723627 P
201261731723 P
201361758500 P
(32) 07.11.2012
30.11.2012
30.01.2013
(33) United States of America
United States of America
United States of America

(51) C08G 18/48
C08G 18/63
C08G 18/76
C08G 18/16
C08G 18/18
C08G 18/24
C08G 18/40
C08L 75/08
(11) EP3310831
(21) EP16732101.7
(47) 11.09.2019
(87) US2016036603
22.12.2016
(22) 09.06.2016
(54) VISCOELASTIC POLYURETHANE FOAM WITH AQUEOUS POLYMER DISPERSANT
(73) Dow Global Technologies LLC
Rohm and Haas Company
(72) AOU, Kaoru
KALANTAR, Thomas H.
MENG, Qinghao
KLIER, John
VAN DYK, Antony K.
DOMBROWSKI, Gary W.
JACOBS, Joseph
(31) 201562181367 P
(32) 18.06.2015
(33) United States of America

(51) C08G 18/48
C08G 18/76
C08G 18/18
C08G 18/22
C08G 18/42

C08K 5/521
C08G 18/50
C08G 18/79
C08G 18/16
C08G 18/20
C08G 18/09
C08G 101/00
(11) EP3097132
(21) EP15700710.5
(47) 11.09.2019
(87) EP2015050948
30.07.2015
(22) 20.01.2015
(54) PROCESS FOR MAKING RIGID POLYURETHANE OR URETHANE-MODIFIED POLYISOCYANURATE FOAMS
(73) Huntsman International LLC
(72) DEDECKER, Kristof
BINAGHI, Luca
CORIO, Mauro
(31) 14152114
(32) 22.01.2014
(33) European Patent Office (EPO)

(51) C08G 18/75
C08G 18/10
C08G 18/22
C08G 18/24
C08G 18/32
C08G 18/38
C08G 18/42
C08L 75/02
(11) EP3083745
(21) EP14821422.4
(47) 11.09.2019
(87) US2014069697
25.06.2015
(22) 11.12.2014
(54) POLYURETHANEUREAS OR POLYUREAS
(73) Covestro LLC
(72) HAIDER, Karl W.
OPERCHAL, Julie
ROESLER, Richard R.
STARCHER, Rick V.
STRAZISAR, Stephanie
(31) 201314108865
(32) 17.12.2013
(33) United States of America

(51) C08G 59/66
C08K 5/17
C08K 5/49
C08L 83/06
C08L 83/08
C09D 183/06
C09D 183/08
C08G 77/14
C08G 77/28
(11) EP3235846
(21) EP15869514.8
(47) 11.09.2019
(87) JP2015006050
23.06.2016
(22) 04.12.2015
(54) CURABLE ORGANOPOLYSILOXANE COMPOSITION, CURED PRODUCT THEREOF, AND METHOD FOR FORMING CURED FILM
(73) Dow Toray Co., Ltd.
(72) OGAWA, Takuya
ONODERA, Satoshi
(31) 2014256077
(32) 18.12.2014
(33) Japan

(51) C08G 61/02
C08G 75/06
C08G 75/23
C08L 61/00
C08G 65/40
H01M 8/1025
H01M 8/1027
H01M 8/1032
H01M 8/1039
H01M 8/18
H01M 8/1018
(11) EP3421517
(21) EP17775715.0
(47) 11.09.2019
(87) KR2017003001
05.10.2017
(22) 21.03.2017
(54) BLOCK POLYMER AND POLYMER ELECTROLYTE MEMBRANE COMPRISING SAME
(73) LG Chem, Ltd.
(72) JANG, Yong Jin
HAN, Joong Jin
KIM, Youngjea
KANG, Esder
YU, Yunah
PARK, Eunju
KIM, Yu Jin
(31) 20160037903
(32) 29.03.2016
(33) Korea (Republic)

(51) C08G 64/16
B29C 55/02
C07C 33/36
C07C 67/02
C07C 67/347
C07C 69/616
C08J 5/18
G02F 1/13363
B29C 55/04
C07C 67/00
C08G 64/30
G02B 1/08
G02B 5/30
B29K 227/12
(11) EP2910589
(21) EP13847237.8
(47) 11.09.2019
(87) JP2013078009
24.04.2014
(22) 15.10.2013
(54) RESIN COMPOSITION, STRETCHED FILM , CIRCULARLY POLARIZING PLATE, AND IMAGE DISPLAY DEVICE
(73) Mitsubishi Chemical Corporation
(72) UEHARA Hisatoshi
HAYASHI Hiroyuki
SUMITANI Naoko
KUSAKA Haruhiko
NAMIKI Shingo
HIRAMI Yuuichi
(31) 2012228946
2013130882
(32) 16.10.2012
21.06.2013
(33) Japan
Japan

(51) C08G 69/48
C08G 69/16
C08G 69/26
C08G 69/46
(11) EP3320024
(21) EP16736139.3
(47) 11.09.2019
(87) EP2016066029
12.01.2017
(22) 06.07.2016
(54) PREPARATION OF A POLYAMIDE CONTAINING 2,5-BIS(AMINOMETHYL)FURANE
(73) BASF SE
(72) HABRAKEN, Gijsbrecht Jacobus Maria
SPRAFKE, Johannes Klaus
DA SILVA, Marion
(31) 15176125
(32) 09.07.2015
(33) European Patent Office (EPO)

(51) C08G 75/04
B64G 1/00
C07C 321/00
C07C 323/12
C09D 181/02
C08G 75/02
C08G 75/0259
B64G 1/22
C08L 63/00
(11) EP3284772
(21) EP17181770.3
(47) 11.09.2019
(22) 30.03.2009
(54) THIOETHERS, METHODS FOR THEIR PREPARATION, AND COMPOSITIONS INCLUDING SUCH THIOETHERS
(73) PRC-DESOTO INTERNATIONAL, INC.
(72) GILMORE, John, R.
RAO, Chandra B.
(31) 108782
(32) 24.04.2008
(33) United States of America

(51) C08J 3/075
C08G 83/00
A61K 47/30
(11) EP2817359
(21) EP13706691.6
(47) 11.09.2019
(87) GB2013050414
29.08.2013
(22) 20.02.2013
(54) CUCURBITURIL-BASED HYDROGELS
(73) Cambridge Enterprise Limited
(72) SCHERMAN, Oren
APPEL, Eric
LOH, Xian Jun
BIEDERMANN, Frank
ROWLAND, Matthew
(31) 201202834
201301648
(32) 20.02.2012
30.01.2013
(33) United Kingdom

United Kingdom

(51) C08J 3/26
C08L 95/00
C08L 9/06
C08L 25/08
C08F 212/08
C08F 236/10
(11) EP3083772
(21) EP14815686.2
(47) 11.09.2019
(87) EP2014078222
25.06.2015
(22) 17.12.2014
(54) ASPHALT COMPOSITIONS PREPARED USING AN IONIC CROSSLINKING AGENT AND METHODS OF MAKING THE SAME
(73) BASF SE
(72) AVRAMIDIS, Kostas S.
(31) 201361919285 P
(32) 20.12.2013
(33) United States of America

(51) C08J 3/28
(11) EP2729518
(21) EP11731314.8
(47) 11.09.2019
(87) EP2011061330
10.01.2013
(22) 05.07.2011
(54) METHOD FOR PROCESSING A FLEXIBLE SUBSTRATE
(73) Applied Materials, Inc.
(72) KLEMM, Günter
HOFFMANN, Gerd
LOTZ, Hans-Georg
WOLFF, Alexander

(51) C08J 5/18
C08J 7/04
C09D 4/02
G02B 5/02
(11) EP2842989
(21) EP13798121.3
(47) 11.09.2019
(87) KR2013004807
05.12.2013
(22) 31.05.2013
(54) METHOD FOR MANUFACTURING HARD COATING FILM
(73) LG Chem, Ltd.
(72) KANG, Joon-Koo
CHANG, Yeong-Rae
SHIM, Jae-Hoon
HONG, Sung-Don
LEE, Seung-Jung
(31) 20120058636
20120058634
20120058637
20120058635
20130062097
(32) 31.05.2012
31.05.2012
31.05.2012
31.05.2012
30.05.2013
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

Korea (Republic)

(51) C08J 5/18
C08L 23/08
B32B 27/20
C08K 9/04
C08K 3/26
(11) EP2803697
(21) EP13735683.8
(47) 11.09.2019
(87) ES2013070003
18.07.2013
(22) 10.01.2013
(54) COMPOSITION AND METHOD FOR OBTAINING A FILM OF MICROPOROUS THERMOPLASTIC POLYMER THAT IS ESPECIALLY SUITED TO THE PRODUCTION OF PERSONAL HYGIENE ARTICLES SUCH AS DIAPERS AND SANITARY DRESSINGS
(73) KLONER, SL
(72) CAMPOS BECEIRO, Alberto
(31) 201230055
(32) 14.01.2012
(33) Spain

(51) C08J 9/00
C08L 43/02
C09K 21/14
C08F 230/02
(11) EP3087128
(21) EP13900089.7
(47) 11.09.2019
(87) CN2013090689
02.07.2015
(22) 27.12.2013
(54) FLAME-RETARDANT COPOLYMERS OF DIALKYL (METH)ACRYLOYLOXYALKYL PHOSPHATE OR DIALKYL (METH)ACRYLOYLOXYALKYL PHOSPHONATE MONOMERS AND POLYMER FOAMS BASED MADE THEREFROM
(73) Dow Global Technologies LLC
(72) QI, Yudong
LI, Yan
BUNKER, Shana P.
COSTEUX, Stephane
MORGAN, Ted A.

(51) C08J 9/20
C08J 9/12
C08L 25/04
C08L 71/12
(11) EP3227366
(21) EP15802080.0
(47) 11.09.2019
(87) EP2015078052
09.06.2016
(22) 30.11.2015
(54) WATER EXPANDABLE POLYMER BEADS CONTAINING LATEX PARTICLES
(73) SABIC Global Technologies B.V.
(72) GHURMALLAH, Ghamdi
SCIARONE, Timotheus Johannes Jacobus
LEBLANC, Thierry
BUS, Tom
(31) 14195830
(32) 02.12.2014

(33) European Patent Office (EPO)

(51) C08J 9/28
B01J 20/26
C02F 1/28
(11) EP2502959
(21) EP10831669.6
(47) 11.09.2019
(87) JP2010070742
26.05.2011
(22) 19.11.2010
(54) POROUS MOLDED ARTICLE, AND METHOD FOR MANUFACTURING THE SAME
(73) ASAHI KASEI KABUSHIKI KAISHA
(72) OMORI, Akihiro
(31) 2009265164
(32) 20.11.2009
(33) Japan

(51) C08J 11/02
B01J 31/02
C08J 11/28
(11) EP3237512
(21) EP15841111.6
(47) 11.09.2019
(87) NL2015050905
30.06.2016
(22) 23.12.2015
(54) IMPROVED REUSABLE CAPTURE COMPLEX
(73) Ioniqa Technologies B.V.
(72) VAN BERKUM, Susanne
PHILIPPI, Vincent
VILAPLANA ARTIGAS, Marcel
DE GROOT, Rick
HOOGHOUDT, Tonnis
(31) 2014048
2014050
(32) 23.12.2014
23.12.2014
(33) Netherlands
Netherlands

(51) C08J 11/16
C08J 11/24
C08L 67/04
(11) EP3377569
(21) EP16806406.1
(47) 11.09.2019
(87) US2016062682
26.05.2017
(22) 18.11.2016
(54) CHEMICAL RECYCLING OF POLYETHYLENE TEREPHTHALATE BY MICROWAVE IRRADIATION
(73) The University of North Carolina at Chapel Hill
(72) PARROTT, Matthew
(31) 201562258116 P
(32) 20.11.2015
(33) United States of America

(51) C08K 3/00
C08K 3/04
C08K 3/36
C08K 5/17
C08K 5/18
C08K 13/02
C08L 7/00
C08L 9/00
C08L 9/06

B29D 30/00
B60C 1/00
(11) EP2900746
(21) EP13771754.2
(47) 11.09.2019
(87) US2013061758
03.04.2014
(22) 25.09.2013
(54) RUBBER COMPOSITION AND METHOD FOR LOW RESIN CROSSLINKING
(73) Compagnie Générale des Etablissements Michelin
(72) YANG, Xiaofeng, Shaw
ARNOLD, Jesse, J.
(31) 201261705521 P
(32) 25.09.2012
(33) United States of America

(51) C08K 3/04
C08L 23/16
E04D 5/10
(11) EP2797997
(21) EP12818767.1
(47) 11.09.2019
(87) US2012072309
04.07.2013
(22) 31.12.2012
(54) ROOFING MEMBRANES WITH EXPANDABLE GRAPHITE AS FLAME RETARDANT
(73) Firestone Building Products Company, LLC
(72) WANG, Hao
ZHOU, Wensheng
CARR, Joseph
(31) 201161581179 P
(32) 29.12.2011
(33) United States of America

(51) C08K 3/10
C01F 7/00
C09C 1/40
C01B 35/12
(11) EP2794486
(21) EP12837660.5
(47) 11.09.2019
(87) IB2012003073
15.08.2013
(22) 18.12.2012
(54) MODIFICATION OF LAYERED DOUBLE HYDROXIDES
(73) SCG Chemicals Co., Ltd.
(72) O'HARE, Dermot
WANG, Qiang
(31) 201122163
(32) 22.12.2011
(33) United Kingdom

(51) C08K 3/22
C08K 3/26
C08K 5/00
C08K 5/098
C08K 5/13
C08K 5/1545
C08K 5/51
(11) EP2725057
(21) EP12007305.1
(47) 11.09.2019
(22) 24.10.2012
(54) Use of an acid scavenger to increase the resistance of a polyolefin composition against disinfectant containing water
(73) Borealis AG
(72) Hjertberg, Thomas
Oderkerk, Jeroen
Costa, Francis
Tran, Anh Tuan

(51) C08K 5/13
C08K 5/526
C08L 23/02
(11) EP2804901
(21) EP13702167.1
(47) 11.09.2019
(87) US2013022044
25.07.2013
(22) 18.01.2013
(54) POLYOLEFIN COMPOSITIONS FOR FILM, FIBER AND MOLDED ARTICLES
(73) SI Group Switzerland (CHAA) GmbH
(72) ZAHALKA, Hayder
(31) 201261588828 P
201261593401 P
201313741504
(32) 20.01.2012
01.02.2012
15.01.2013
(33) United States of America
United States of America
United States of America

(51) C08K 9/04
C09C 3/08
(11) EP1641874
(21) EP04743140.8
(47) 11.09.2019
(87) GB2004002792
13.01.2005
(22) 30.06.2004
(54) PARTICULATE CLAY MATERIALS AND POLYMER COMPOSITIONS INCORPORATING THE SAME
(73) IMERTECH SAS
(72) GOODMAN, Howard
LEGRIX, Anabelle Huguette Renee
(31) 0315409
(32) 01.07.2003
(33) United Kingdom

(51) C08K 9/10
B29D 29/06
B32B 27/32
(11) EP2982707
(21) EP15182118.8
(47) 11.09.2019
(22) 30.05.2013
(54) A COMPOSITE MATERIAL METHOD OF PRODUCING THE SAME, AND ARTICLES MADE THEREFROM
(73) Dow Global Technologies LLC
(72) STUCCHI, Gloria
KRONAWITTLEITHNER, Kurt
PRIETO, Miguel
(31) 201261665389 P
(32) 28.06.2012
(33) United States of America

(51) C08L 3/00
C08J 3/02
C08F 20/10
C08F 20/56
C08L 71/02
(11) EP2718362
(21) EP12796399.9
(47) 11.09.2019
(87) US2012040827
13.12.2012
(22) 05.06.2012
(54) AN ENVIRONMENTALLY FRIENDLY DISPERSION SYSTEM USED IN THE PREPARATION OF INVERSE EMULSION POLYMERS
(73) Nalco Company
(72) CHANG, Kin-Tai
WELLS, Kirk E.
MELLO, Jesse V.
(31) 201113155848
(32) 08.06.2011
(33) United States of America

(51) C08L 7/00
C08L 9/06
C08L 25/10
(11) EP2877529
(21) EP13740290.5
(47) 11.09.2019
(87) EP2013065626
30.01.2014
(22) 24.07.2013
(54) TYRE WITH IMPROVED GRIP ON WET GROUND
(73) Compagnie Générale des Etablissements Michelin
(72) MATHEY, Olivier
DUREL, Olivier
(31) 1257194
(32) 25.07.2012
(33) France

(51) C08L 9/00
C08L 9/06
C08J 5/12
(11) EP2817367
(21) EP13701419.7
(47) 11.09.2019
(87) EP2013050997
29.08.2013
(22) 21.01.2013
(54) SULPHUR LINKABLE RUBBER COATING MIXTURE
(73) Continental Reifen Deutschland GmbH
(72) KRAMER, Thomas
RECKER, Carla
DE RISI, Francesca
PLEVAK, Zdeno
(31) 12156223
(32) 20.02.2012
(33) European Patent Office (EPO)

(51) C08L 11/00
B32B 1/08
B32B 25/16
C08K 3/04
C08K 3/36
F16L 11/08
(11) EP3309207
(21) EP16807097.7
(47) 11.09.2019
(87) JP2016002699
15.12.2016
(22) 03.06.2016
(54) HOSE RUBBER COMPOSITION AND HOSE
(73) Bridgestone Corporation
(72) TSUNENISHI, Youhei

(31) 2015117005
(32) 09.06.2015
(33) Japan

(51) C08L 23/00
C08L 23/12
(11) EP3387063
(21) EP16801521.2
(47) 11.09.2019
(87) EP2016078976
15.06.2017
(22) 28.11.2016
(54) COMPATIBILISED POLYOLEFIN AND POLYCARBONATE COMPOSITION
(73) SABIC Global Technologies B.V.
(72) PRZYBYSZ, Marta Urszula
KOZAK, Mateusz Krzysztof
DUCHATEAU, Robbert
JASINSKA-WALC, Lidia
BOUYAHYI, Miloud
(31) 15198661
16176123
16176642
(32) 09.12.2015
24.06.2016
28.06.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) C08L 23/06
C08L 97/02
C08J 5/18
C08J 7/04
(11) EP2918633
(21) EP13853203.1
(47) 11.09.2019
(87) KR2013005158
15.05.2014
(22) 12.06.2013
(54) THERMOPLASTIC RESIN COMPOSITION FOR USE AS VEHICLE INTERIOR MATERIAL, AND FORMED PRODUCT FOR USE AS VEHICLE INTERIOR MATERIAL
(73) LG Hausys, Ltd.
(72) LEE, Yun-Ho
JUNG, Yong-Bae
(31) 20120127134
(32) 12.11.2012
(33) Korea (Republic)

(51) C08L 23/08
C08L 23/12
C09J 123/08
C09J 123/12
B29K 105/00
B29K 23/00
C09J 123/14
C09J 9/00
B29C 39/38
B29C 39/00
(11) EP3374430
(21) EP16819360.5
(47) 11.09.2019
(87) IB2016056765
18.05.2017
(22) 10.11.2016
(54) COMPOSITION FOR THE PREPARATION OF AN ADHESIVE PRODUCT
(73) Gloo S.r.l.s.
(72) RICCI MINGANI, Ruggero
MASETTO, Enzo
(31) UB20155470
(32) 11.11.2015
(33) Italy

(51) C08L 25/12
C08L 51/04
C08K 3/22
C08J 5/00
(11) EP3121226
(21) EP15765315.5
(47) 11.09.2019
(87) JP2015057843
24.09.2015
(22) 17.03.2015
(54) THERMOPLASTIC RESIN COMPOSITION AND RESIN MOLDED ARTICLE
(73) Techno-UMG Co., Ltd.
(72) TANIGAWA, Hiroshi
HAMAMOTO, Shigeki
HIRATA, Koji
SAITOU, Hirotoshi
(31) 2014056706
(32) 19.03.2014
(33) Japan

(51) C08L 27/06
C08F 14/06
C08K 3/34
C08K 9/04
C08L 33/02
C08L 35/00
C08F 2/44
C08F 2/20
(11) EP2960292
(21) EP15766036.6
(47) 11.09.2019
(87) KR2015003593
22.10.2015
(22) 10.04.2015
(54) CHLOROETHYLENE-BASED NANOCOMPOSITE COMPOSITION AND PREPARATION METHOD THEREFOR
(73) LG Chem, Ltd.
(72) AHN, Seong Yong
KIM, Kun Ji
LEE, Se Woong
KIM, Kyung Hyun
(31) 20140044088
20150050022
(32) 14.04.2014
09.04.2015
(33) Korea (Republic)
Korea (Republic)

(51) C08L 27/16
H04M 1/02
C08L 23/04
(11) EP3328936
(21) EP16751216.9
(47) 11.09.2019
(87) EP2016067757
09.02.2017
(22) 26.07.2016
(54) FLUOROPOLYMER COMPOSITION FOR MOBILE ELECTRONIC DEVICE
(73) Solvay Specialty Polymers Italy S.p.A.
(72) ABUSLEME, Julio A.
BRUSSEAU, Ségolène
VERFAILLIE, Geert J.
BRINATI, Giulio
(31) 15179220
(32) 31.07.2015
(33) European Patent Office (EPO)

(51) C08L 33/02
C08L 33/14
C08L 1/08
C08L 3/04
C08L 83/08
C08L 83/12
C08L 79/02
C08L 71/02
A61K 8/73
A61K 8/81
A61K 8/898
C08L 5/00
(11) EP2780416
(21) EP12795238.0
(47) 11.09.2019
(87) US2012065526
23.05.2013
(22) 16.11.2012
(54) ASSOCIATION PRODUCT OF AMINO FUNCTIONAL HYDROPHOBIC POLYMERS WITH HYDROPHILIC POLYMERS CONTAINING ACID GROUPS, METHODS OF PREPARATION, AND APPLICATIONS FOR EMPLOYING SAME
(73) Momentive Performance Materials Inc.
(72) DUSSAUD, Anne
LU, Ning
(31) 201113297926
(32) 16.11.2011
(33) United States of America

(51) C08L 63/00
C08J 5/24
C08K 3/00
C08K 3/22
C08K 3/36
C08K 5/3445
C08L 79/04
(11) EP2716709
(21) EP12793016.2
(47) 11.09.2019
(87) JP2012063740
06.12.2012
(22) 29.05.2012
(54) RESIN COMPOSITION, PREPREG AND LAMINATE
(73) Mitsubishi Gas Chemical Company, Inc.
(72) OGASHIWA Takaaki
TAKAHASHI Hiroshi
MIYAHIRA Tetsuro
KATO Yoshihiro
(31) 2011121923
(32) 31.05.2011
(33) Japan

(51) C08L 69/00
C08L 83/10
C08G 64/18
C08G 77/448
(11) EP3350263
(21) EP16805244.7
(47) 11.09.2019
(87) US2016061983
26.05.2017

(22) 15.11.2016
(54) POLYCARBONATE-POLYSILOXANE COPOLYMER COMPOSITIONS, ARTICLES FORMED THEREFROM, AND METHODS OF MANUFACTURE THEREOF
(73) SABIC Global Technologies B.V.
(72) HOOVER, James Franklin
GROOTE, Ramon
VAN DE GRAMPEL, Robert Dirk
VAN DER MEE, Mark Adrianus Johannes
WIRTZ, Remco
YANG, Jian
ZHANG, Junhua
(31) 201514943651
(32) 17.11.2015
(33) United States of America

(51) C08L 71/02
C08K 5/04
C08K 5/544
C08L 23/00
C08L 33/04
C09J 133/04
C09J 171/02
C09J 201/10
C09K 3/10
C08L 101/10
(11) EP1749859
(21) EP05734604.1
(47) 11.09.2019
(87) JP2005007799
17.11.2005
(22) 25.04.2005
(54) CURABLE COMPOSITION
(73) KANEKA CORPORATION
(72) WAKABAYASHI, Katsuyu
OKAMOTO, Toshihiko
KUSAKABE, Masato
(31) 2004139110
2004139111
2004146972
2004146973
2004146974
2004146976
2004146977
(32) 07.05.2004
07.05.2004
17.05.2004
17.05.2004
17.05.2004
17.05.2004
17.05.2004
(33) Japan
Japan
Japan
Japan
Japan
Japan
Japan

(51) C08L 71/12
C08L 53/00
C08L 25/00
C08L 25/08
C08K 5/07
(11) EP3097150
(21) EP14879216.1
(47) 11.09.2019
(87) US2014070468
23.07.2015
(22) 16.12.2014
(54) POLY(PHENYLENE ETHER) COMPOSITION AND ARTICLE
(73) SABIC Global Technologies B.V.
(72) ZIEGLER, Christopher
BALFOUR, Kim G.
VENDON, Mark Victor
(31) 201461929314 P
(32) 20.01.2014
(33) United States of America

(51) C08L 71/12
C08L 53/00
C08L 25/00
C08L 25/08
C08K 5/07
(11) EP3097149
(21) EP14878887.0
(47) 11.09.2019
(87) US2014070470
23.07.2015
(22) 16.12.2014
(54) POLY(PHENYLENE ETHER) COMPOSITION AND ARTICLE
(73) SABIC Global Technologies B.V.
(72) ZIEGLER, Christopher
BALFOUR, Kim G.
VENDON, Mark Victor
(31) 201461929318 P
(32) 20.01.2014
(33) United States of America

(51) C08L 77/06
B29C 45/00
C08G 69/26
C08L 35/00
(11) EP3222669
(21) EP15861154.1
(47) 11.09.2019
(87) JP2015080987
26.05.2016
(22) 04.11.2015
(54) POLYAMIDE RESIN COMPOSITION, MOLDED ARTICLE, AND METHOD FOR MANUFACTURING MOLDED ARTICLE
(73) Mitsubishi Gas Chemical Company, Inc.
(72) KOBAYASHI, Masayuki
KATO, Tomonori
ODA, Takafumi
(31) 2014234249
(32) 19.11.2014
(33) Japan

(51) C08L 79/08
C08G 73/14
C08J 5/18
H01L 23/29
(11) EP3417011
(21) EP17867371.1
(47) 11.09.2019
(87) US2017058221
11.05.2018
(22) 25.10.2017
(54) POLYIMIDES
(73) FUJIFILM Electronic Materials U.S.A, Inc.
(72) REINERTH, William A.
DE, Binod B.
MALIK, Sanjay
SAKAMURI, Raj
DIMOV, Ognian N.
NAIINI, Ahmad A.
(31) 201662415550 P
(32) 01.11.2016
(33) United States of America

(51) C08L 83/10
G02C 7/02
B32B 9/04
A61B 17/00
A61F 2/16
A61L 27/18
A61L 29/06
C08F 283/12
C08F 290/06
C08G 77/44
C08G 77/46
G02B 1/04
(11) EP2951242
(21) EP14746748.4
(47) 11.09.2019
(87) US2014014072
07.08.2014
(22) 31.01.2014
(54) WATER SOLUBLE SILICONE MATERIAL
(73) Momentive Performance Materials Inc.
(72) LANG, Weihong
LIO, Wen, P.
NYE, Sue
LEWIS, Kenrick, M.
(31) 201361759052 P
(32) 31.01.2013
(33) United States of America

(51) C08L 101/00
C08J 5/24
C08L 33/12
C08L 63/00
(11) EP3075785
(21) EP14865148.2
(47) 11.09.2019
(87) JP2014080869
04.06.2015
(22) 21.11.2014
(54) HEAT-CURABLE RESIN COMPOSITION, PREPREG, AND METHOD FOR PRODUCING FIBER-REINFORCED COMPOSITE USING EACH OF SAME
(73) Toho Tenax Co., Ltd.
(72) KANEKO Toru
(31) 2013243851
(32) 26.11.2013
(33) Japan

(51) C08L 101/02
C08K 3/04
C08J 3/02
C08J 7/04
B05D 1/00
C09D 201/06
C08L 87/00
C08L 101/06
C09D 5/00
(11) EP2697310
(21) EP12771613.2
(47) 11.09.2019
(87) US2012033582
18.10.2012
(22) 13.04.2012

(54) DISPERSION OF CARBONACEOUS PARTICLES AND METHOD OF MAKING THE SAME
(73) Baker Hughes, a GE company, LLC
(72) JOHN, Hendrick
KLAGES, Claus-Peter
HARTWIG, Sven
(31) 201161476050 P
(32) 15.04.2011
(33) United States of America

(51) C09B 67/22
D06P 1/00
D06P 1/06
D06P 1/92
D06P 3/32
(11) EP3395912
(21) EP17168724.7
(47) 11.09.2019
(22) 28.04.2017
(54) WATER SOLUBLE LEATHER DYE COMPOSITIONS WITH LIGHT FASTNESS AND STABILITY TO PVC-MIGRATION
(73) Stahl International B.V.
(72) GARG, Rahul
SAMEL, Amarish
SWAMINATHAN, Vijay Narayanan

(51) C09C 1/30
C01B 33/12
B01J 20/10
B01J 21/08
B01J 27/236
B01J 35/00
B01J 35/08
B01J 35/10
B01J 37/02
C01B 33/18
C01F 7/00
(11) EP3245258
(21) EP16700660.0
(47) 11.09.2019
(87) GB2016050024
14.07.2016
(22) 06.01.2016
(54) SIO2-LAYERED DOUBLE HYDROXIDE MICROSPHERES AND METHODS OF MAKING THEM
(73) SCG Chemicals Co., Ltd.
(72) O'HARE, Dermot
CHEN, Chunping
(31) 201500115
(32) 06.01.2015
(33) United Kingdom

(51) C09D 4/02
B32B 27/30
C09D 5/16
C09D 7/63
C09D 4/00
C08K 5/00
(11) EP3222682
(21) EP15860607.9
(47) 11.09.2019
(87) JP2015082257
26.05.2016
(22) 17.11.2015
(54) TWO-PART ANTI-FOULING PAINT COMPOSITION, ANTI-FOULING PAINT FILM, ANTI-FOULING BASE MEMBER, AND METHOD FOR MANUFACTURING ANTI-FOULING BASE MEMBER
(73) CHUGOKU MARINE PAINTS, LTD.
(72) NIIMOTO, Jyunji
(31) 2014233902
(32) 18.11.2014
(33) Japan

(51) C09D 5/28
G09F 13/16
C09D 5/33
C09D 7/40
(11) EP3369786
(21) EP18167586.9
(47) 11.09.2019
(22) 05.11.2015
(54) PROTECTIVE LACQUER WITH ANTI-ADHESIVE EFFECT AND METHOD FOR APPLYING A PROTECTIVE LACQUER
(73) Fritz Lange GmbH
(72) Ilgay, Vedat
(31) 102015104898
102015106819
(32) 30.03.2015
30.04.2015
(33) Germany
Germany

(51) C09D 7/45
C09J 7/20
(11) EP3266837
(21) EP16761699.4
(47) 11.09.2019
(87) JP2016056941
15.09.2016
(22) 07.03.2016
(54) PRESSURE-ADHESIVE TYPE ADHESIVE MEMBER
(73) Nitto Denko Corporation
(72) TANI, Kensuke
NAGATA, Mizuho
MIZOBATA, Kaori
SOGA, Masatsugu
MASUDA, Ryota
SATAKE, Masayuki
OKADA, Kenichi
KOSAKA, Naofumi
SHIMOKITA, Keisuke
(31) 2015045069
(32) 06.03.2015
(33) Japan

(51) C09D 11/00
C09D 11/328
C09D 11/101
H05K 3/28
(11) EP2902455
(21) EP13840927.1
(47) 11.09.2019
(87) JP2013075276
03.04.2014
(22) 19.09.2013
(54) CURABLE COMPOSITION FOR INKJET, AND METHOD FOR PRODUCING ELECTRONIC PART
(73) Sekisui Chemical Co., Ltd.
(72) TAKAHASHI, Ryosuke
INOUE, Takanori
UEDA, Michihisa
WATANABE, Takashi
NAKAMURA, Shigeru
(31) 2012214992
(32) 27.09.2012
(33) Japan

(51) C09D 11/037
B41J 2/00
C09D 11/50
G03G 15/00
B41M 5/00
(11) EP3027698
(21) EP14750793.3
(47) 11.09.2019
(87) GB2014052333
05.02.2015
(22) 30.07.2014
(54) INK FOR LASER IMAGING
(73) Datalase Limited
(72) JARVIS, Anthony
(31) 201313593
(32) 30.07.2013
(33) United Kingdom

(51) C09D 11/102
C09D 11/38
C09D 11/40
C09D 11/12
(11) EP3178890
(21) EP16200533.4
(47) 11.09.2019
(22) 24.11.2016
(54) WHITE INK, INK SET, AND INKJET RECORDING METHOD
(73) Ricoh Company, Ltd.
(72) KATSURAGI, Koji
(31) 2015240197
2016218933
(32) 09.12.2015
09.11.2016
(33) Japan
Japan

(51) C09D 11/106
B41J 2/01
B41M 5/00
C08F 12/22
C08F 20/28
C08F 20/58
C08J 3/12
C09D 11/30
(11) EP3279277
(21) EP16772935.9
(47) 11.09.2019
(87) JP2016060344
06.10.2016
(22) 30.03.2016
(54) AQUEOUS INK COMPOSITION, INK SET, IMAGE FORMATION METHOD, AND RESIN MICROPARTICLES
(73) FUJIFILM Corporation
(72) YASUDA Koji
KARIYA Toshihiro
KAERIYAMA Atsushi
(31) 2015072387
2015193642
2016062741
(32) 31.03.2015
30.09.2015
25.03.2016
(33) Japan
Japan
Japan

(51) C09D 133/00
(11) EP3303490
(21) EP16730100.1
(47) 11.09.2019
(87) US2016034276
08.12.2016
(22) 26.05.2016
(54) PACKAGING COATED WITH AN EMULSION POLYMERIZED LATEX POLYMER
(73) PPG Industries Ohio, Inc.
(72) SINGER, Debra L.
DUHAMEL, Dary
LOCK, Kam Lun
LI, Qin
BAO, Hanzhen
DUDIK, John M.
MILLERO, JR., Edward R.
RETSCH, JR., William H.
(31) 201562168040 P
201562168134 P
(32) 29.05.2015
29.05.2015
(33) United States of America
United States of America

(51) C09D 133/08
C09D 175/04
C08F 20/10
C08G 18/62
C08G 18/83
C08F 220/58
C08F 283/00
C09D 133/12
C09D 151/08
(11) EP3004265
(21) EP13885857.6
(47) 11.09.2019
(87) CN2013076454
04.12.2014
(22) 30.05.2013
(54) AQUEOUS COMPOSITION
(73) Dow Global Technologies LLC
Rohm and Haas Company
(72) DONG, Xiangting
XU, Yawei
YANG, Yurun
ZHANG, Jinyuan
ZHU, Yangping

(51) C09D 167/00
B05D 7/14
B05D 7/24
B32B 15/09
B65D 25/14
C09D 161/06
C09D 161/20
(11) EP2857465
(21) EP13796325.2
(47) 11.09.2019
(87) JP2013064659
05.12.2013
(22) 27.05.2013
(54) COATING COMPOSITION, AND COATED METAL PLATE, METAL CONTAINER AND METAL LID FORMED BY COATING WITH SAID COATING COMPOSITION
(73) Toyo Seikan Group Holdings, Ltd.
Valspar Rock Co., Ltd.
(72) TAKAGI, Naoyuki
KANZAKI, Keizou
SANO, Nobuaki
ARAI, Mayumi
(31) 2012124819
(32) 31.05.2012
(33) Japan

(51) C09D 175/00
C08G 18/12
C08G 18/32
D06M 15/564
C08G 18/48
C08G 18/61
(11) EP3167022
(21) EP16734737.6
(47) 11.09.2019
(87) IB2016052968
24.11.2016
(22) 20.05.2016
(54) POLYURETHANE COMPOSITION
(73) Sarp S.r.l.
(72) CASTELLI, Christian
(31) UB20150649
(32) 21.05.2015
(33) Italy

(51) C09D 175/04
C09D 163/00
C09D 133/04
B60R 13/08
E04B 1/74
(11) EP2428538
(21) EP10772056.7
(47) 11.09.2019
(87) ES2010070282
11.11.2010
(22) 30.04.2010
(54) FORMULATION WITH INSULATING PROPERTIES
(73) Vipeq Hispania 2008, S.L.
(72) MILLÁN ADRIÁN, Ramón Simón
OTAMENDI ARRECHE, María Jesús
(31) 200901148
(32) 05.05.2009
(33) Spain

(51) C09D 181/00
C08G 18/10
C09D 175/00
C09J 175/04
C08L 29/04
C08L 75/08
C08L 77/06
C08L 81/04
(11) EP3158019
(21) EP15719941.5
(47) 11.09.2019
(87) US2015026384
23.12.2015
(22) 17.04.2015
(54) ELASTIC GAS BARRIER COATING COMPOSITIONS
(73) PPG Industries Ohio, Inc.
(72) BOWMAN, Mark P.
KEITZER, Mark
RAKIEWICZ, Edward F.
MARTIN, Roxalana
(31) 201462013675 P
(32) 18.06.2014
(33) United States of America

(51) C09D 183/04
C08G 77/38
(11) EP3353252
(21) EP16785545.1
(47) 11.09.2019
(87) FR2016000145
30.03.2017
(22) 22.09.2016
(54) CROSSLINKABLE SILICONE COMPOSITION FOR THE PRODUCTION OF NON-STICK COATINGS FOR FLEXIBLE SUBSTRATES AND AN ATTACHMENT-PROMOTING ADDITIVE CONTAINED IN THIS COMPOSITION
(73) ELKEM SILICONES France SAS
(72) FEDER, Michel
WHITE, John
MARROT, Sebastien
(31) 1501991
(32) 25.09.2015
(33) France

(51) C09G 1/02
C09K 3/14
H01L 21/304
H01L 21/306
H01L 21/3105
C03C 19/00
(11) EP1601735
(21) EP04707432.3
(47) 11.09.2019
(87) US2004002908
19.08.2004
(22) 02.02.2004
(54) METHOD OF POLISHING A SILICON-CONTAINING DIELECTRIC
(73) Cabot Microelectronics Corporation
(72) CARTER, Phillip, W., c/o Cabot Microelectr. Corp.
JOHNS, Timothy, P., c/o Cabot Microelectr. Corp,
(31) 356970
(32) 03.02.2003
(33) United States of America

(51) C09J 4/00
C08F 220/38
C08F 222/18
C09J 133/14
C09J 133/16
C08F 220/10
(11) EP3024902
(21) EP14749734.1
(47) 11.09.2019
(87) EP2014065737
29.01.2015
(22) 22.07.2014
(54) TRANSPARENT ADHESIVE WITH A REFRACTIVE INDEX RANGING FROM 1.7 TO 1.73
(73) CeramTec-Etec GmbH
(72) KLEMM, Elisabeth
TITTEL, Martin
(31) 102013214272
102013224907
(32) 22.07.2013
04.12.2013
(33) Germany
Germany

(51) C09J 7/00

(11) EP2810999
(21) EP13761595.1
(47) 11.09.2019
(87) KR2013001978
19.09.2013
(22) 12.03.2013
(54) PRESSURE-SENSITIVE ADHESIVE COMPOSITION
(73) LG Chem, Ltd.
(72) CHO, Yoon Gyung
CHANG, Suk Ky
YOO, Hyun Jee
SHIM, Jung Sup
LEE, Seung Min
(31) 20120025037
(32) 12.03.2012
(33) Korea (Republic)

(51) C09J 7/10
C09J 5/02
B32B 27/08
B32B 27/16
B32B 27/30
B32B 27/32
B32B 27/40
C08G 18/48
C08G 18/66
C08G 18/22
C08G 18/75
C08J 5/12
C09J 123/16
C09J 175/08
(11) EP2705101
(21) EP12718679.9
(47) 11.09.2019
(87) EP2012058285
15.11.2012
(22) 04.05.2012
(54) DOUBLE-SIDED ADHESIVE TAPE COMPRISING A FIRST OUTER, PRESSURE-SENSITIVE ADHESIVE SIDE, AND A SECOND OUTER SIDE WHICH CAN BE THERMALLY-ACTIVATED
(73) tesa SE
(72) SCHÜMANN, Uwe
WEILAND, Kirstin
NEUHAUS-STEINMETZ, Hermann
PERLBACH, Dennis
KOOPS, Arne
SCHUBERT, Thomas
KIRPICENOK, Olga
REICH, Sarah
(31) 102011075468
102011075470
(32) 06.05.2011
06.05.2011
(33) Germany
Germany

(51) C09J 7/38
E04B 1/68
(11) EP3178894
(21) EP16201905.3
(47) 11.09.2019
(22) 02.12.2016
(54) USE OF A SEALING ELEMENT FOR SEALING CONSTRUCTIONS
(73) ankox GmbH
(72) Kogel, Andreas
Lindner, Edgar
(31) 102015121213
(32) 07.12.2015
(33) Germany

(51) C09J 123/26
B32B 15/085
C09J 175/04
(11) EP2660296
(21) EP11853386.8
(47) 11.09.2019
(87) JP2011077929
05.07.2012
(22) 02.12.2011
(54) ADHESIVE COMPOSITION AND THERMALLY ADHESIVE MEMBER USING SAME
(73) Toagosei Co., Ltd
(72) ITO Takahiro
IMAHORI Makoto
NISHIO Tatsuo
(31) 2010291817
(32) 28.12.2010
(33) Japan

(51) C09J 153/00
C09J 175/04
C09J 4/02
G02B 5/30
G02F 1/13
C08F 293/00
G02F 1/1335
C09J 7/38
C08G 18/62
(11) EP2857472
(21) EP13797105.7
(47) 11.09.2019
(87) KR2013004831
05.12.2013
(22) 31.05.2013
(54) ADHESIVE COMPOSITION
(73) LG Chem, Ltd.
(72) LEE, Min Ki
KIM, No Ma
YOON, Sung Soo
KIM, Su Jeong
(31) 20120058824
(32) 31.05.2012
(33) Korea (Republic)

(51) C09K 3/14
B24B 37/00
H01L 21/304
C09G 1/04
(11) EP3053977
(21) EP14846825.9
(47) 11.09.2019
(87) JP2014075123
02.04.2015
(22) 22.09.2014
(54) POLISHING COMPOSITION AND METHOD FOR PRODUCING SAME
(73) Fujimi Incorporated
(72) TSUCHIYA, Kohsuke
MORI, Yoshio
(31) 2013204466
(32) 30.09.2013
(33) Japan

(51) C09K 3/14
C04B 35/111
C04B 35/626
C04B 35/64
B24D 11/00
B24D 11/02
C04B 35/10
(11) EP3110900
(21) EP15756094.7
(47) 11.09.2019
(87) US2015015797
03.09.2015
(22) 13.02.2015
(54) ABRASIVE PARTICLES, ABRASIVE ARTICLES, AND METHODS OF MAKING AND USING THE SAME
(73) 3M Innovative Properties Company
(72) MONROE, Larry D.
GRESKE, Grant E.
(31) 201461945609 P
(32) 27.02.2014
(33) United States of America

(51) C09K 5/06
F28D 20/02
(11) EP3144365
(21) EP15793392.0
(47) 11.09.2019
(87) JP2015064046
19.11.2015
(22) 15.05.2015
(54) HEAT RESERVOIR COMPRISING POROUS SUBSTRATE IMPREGNATED WITH LATENT HEAT STORAGE MATERIAL, AND METHOD FOR PRODUCING THE SAME
(73) Eidai Co., Ltd.
(72) KAWAZOE, Masanobu
NISHIO, Jiro
(31) 2014102526
(32) 16.05.2014
(33) Japan

(51) C09K 5/10
C23F 11/12
(11) EP3237571
(21) EP15832744.5
(47) 11.09.2019
(87) IB2015002507
30.06.2016
(22) 23.12.2015
(54) COOLANT COMPOSITION, METHOD OF OPERATING INTERNAL COMBUSTION ENGINE USING THE SAME, AND USE OF THE SAME
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
Kao Corporation
Japan Chemical Industries Co., Ltd.
(72) KODAMA, Yasuaki
MIYAJIMA, Kazuhiro
MAKINO, Ryota
KAMENOUE, Shogo
OGURA, Shinichi
YAEDA, Kazuhito
YOSHII, Yoichiro
NAKANO, Tomoyuki
NAGASAWA, Masayuki
(31) 2014265468
(32) 26.12.2014
(33) Japan

(51) C09K 8/66
C09K 8/80
(11) EP3074480
(21) EP14821917.3

(47) 11.09.2019
(87) US2014067342
04.06.2015
(22) 25.11.2014
(54) A PROPPANT
(73) BASF SE
(72) GERSHANOVICH, Alexander
TANGUAY, Christopher, M.
(31) 201361909018 P
(32) 26.11.2013
(33) United States of America

(51) C09K 11/06
H01L 51/50
C07D 209/86
C07D 209/88
H01L 51/00
(11) EP3336077
(21) EP16848864.1
(47) 11.09.2019
(87) KR2016010351
30.03.2017
(22) 13.09.2016
(54) AMINE-BASED COMPOUND AND ORGANIC LIGHT-EMITTING ELEMENT COMPRISING SAME
(73) LG Chem, Ltd.
(72) CHA, Yongbum
HONG, Sung Kil
KIM, Jungbum
KIM, Jin Joo
(31) 20150137124
(32) 25.09.2015
(33) Korea (Republic)

(51) C09K 11/06
H01L 51/50
C07D 401/14
C07D 405/14
C07D 409/14
C07D 209/88
(11) EP2966146
(21) EP15176020.4
(47) 11.09.2019
(22) 09.07.2015
(54) CONDENSED CYCLIC COMPOUND AND ORGANIC LIGHT-EMITTING DEVICE INCLUDING THE SAME
(73) Samsung Electronics Co., Ltd
Samsung SDI Co., Ltd.
(72) Huh, Dalho
Chae, Miyoung
Kim, Hyunjung
Jeon, Soonok
Chung, Yeonsook
Jung, Yongsik
Kim, Wook
Son, Jhunmo
Lee, Namheon
Kim, Sangmo
(31) 20140086329
20150097108
(32) 09.07.2014
08.07.2015
(33) Korea (Republic)
Korea (Republic)

(51) C09K 11/06
H05B 33/10
(11) EP2826837
(21) EP14177131.1
(47) 11.09.2019
(22) 15.07.2014
(54) Organic light emitting device
(73) Samsung Display Co., Ltd.
(72) Park, Yun Jee
Seo, Ji Hyun
(31) 20130083012
(32) 15.07.2013
(33) Korea (Republic)

(51) C09K 19/04
C09K 19/20
C09K 19/30
C09K 19/34
C09K 19/12
C07D 309/06
C07C 43/29
C09K 19/54
C07D 319/06
(11) EP3222696
(21) EP17168914.4
(47) 11.09.2019
(22) 07.04.2016
(54) LIQUID CRYSTAL DISPLAY DEVICE AND LIQUID CRYSTAL COMPOSITION USED THEREFOR
(73) Samsung Display Co., Ltd.
(72) KIM, Si Heun
SHIN, Beom Soo
OH, Keun Chan
KIM, Bong Hee
SEO, Young Ho
(31) 20150053223
20150182962
(32) 15.04.2015
21.12.2015
(33) Korea (Republic)
Korea (Republic)

(51) C09K 19/06
C09K 19/30
C09K 19/04
C09K 19/12
C09K 19/34
C09K 19/02
C09K 19/54
C07D 311/16
C07D 311/30
C07C 69/587
C07C 69/602
C07C 69/80
C07H 15/10
G02F 1/137
(11) EP3292181
(21) EP16715455.8
(47) 11.09.2019
(87) EP2016000583
10.11.2016
(22) 08.04.2016
(54) LIQUID-CRYSTAL MEDIUM
(73) Merck Patent GmbH
(72) HAENSEL, Helmut
POHLE, Andreas
SCHULER, Brigitte
JASPER, Christian
(31) 15001316
(32) 04.05.2015
(33) European Patent Office (EPO)

(51) C09K 19/10
C09K 19/20
C09K 19/54
G02F 1/1335
C09K 19/12
C09K 19/30
C09K 19/32
C09K 19/34
C09K 19/56
G02F 1/1337
C09K 19/04
G02F 1/1333
G02F 1/1341
(11) EP2743331
(21) EP12822114.0
(47) 11.09.2019
(87) JP2012070482
14.02.2013
(22) 10.08.2012
(54) LIQUID CRYSTAL COMPOSITION CONTAINING POLYMERIZABLE COMPOUND AND LIQUID CRYSTAL DISPLAY ELEMENT USING SAME
(73) DIC Corporation
(72) KURISAWA Kazuki
KURIYAMA Takeshi
KAWAKAMI Shotaro
(31) 2011175909
(32) 11.08.2011
(33) Japan

(51) C09K 19/20
C09K 19/30
G02F 1/139
G02F 1/1341
C09K 19/04
G02F 1/137
(11) EP3083884
(21) EP14806183.1
(47) 11.09.2019
(87) EP2014003192
25.06.2015
(22) 28.11.2014
(54) LIGHT MODULATION ELEMENT
(73) Merck Patent GmbH
(72) TUFFIN, Rachel
PROCTOR, Rebecca
SIEMIANOWSKI, Simon
SKJONNEMAND, Karl
PARRI, Owain, Llyr
LUCKHURST, Geoffrey
(31) 13005919
(32) 19.12.2013
(33) European Patent Office (EPO)

(51) C09K 21/02
C04B 28/00
C04B 41/50
E04C 2/16
C04B 41/00
(11) EP2758490
(21) EP12775733.4
(47) 11.09.2019
(87) FR2012000374
28.03.2013
(22) 21.09.2012
(54) NEW CELLULOSE CLAY MATERIAL
(73) BTK Matériaux
École Nationale Supérieure De Céramique Industrielle
(72) LECOMTE , Gilles
LECOMTE , Gisèle

BARRE , Olivier
(31) 1102899
(32) 23.09.2011
(33) France

(51) C10G 1/06
C10G 1/08
C10G 3/00
C10G 1/00
(11) EP3289047
(21) EP16718350.8
(47) 11.09.2019
(87) EP2016059116
03.11.2016
(22) 25.04.2016
(54) CONVERSION OF BIOMASS OR RESIDUAL WASTE MATERIAL TO BIOFUELS
(73) Shell Internationale Research Maatschappij B.V.
(72) URADE, Vikrant Nanasaheb
DEL PAGGIO, Alan Anthony
CHILKOOR SOUNDARARAJAN, Laxmi Narasimhan
(31) 2134CH2015
(32) 27.04.2015
(33) India

(51) C10G 1/10
C10G 15/08
C10B 53/07
C10B 19/00
(11) EP2675870
(21) EP12718344.0
(47) 11.09.2019
(87) IB2012050747
23.08.2012
(22) 20.02.2012
(54) PRODUCTION OF HYDROCARBONS FROM COPYROLYSIS OF PLASTIC AND TYRE MATERIAL WITH MICROWAVE HEATING
(73) TECHWAVE S.r.l.
(72) FREDIANI, Piero
ROSI, Luca
FREDIANI, Marco
UNDRI, Andrea
OCCHIALINI, Silvio
(31) FI20110029
(32) 18.02.2011
(33) Italy

(51) C10J 3/12
C01B 3/12
C10J 3/26
C10K 3/04
C10J 3/72
C10G 2/00
(11) EP2778214
(21) EP14159916.7
(47) 11.09.2019
(22) 14.03.2014
(54) CHEMICAL LOOPING PROCESSES FOR PARTIAL OXIDATION OF CARBONACEOUS FUELS
(73) The Babcock & Wilcox Company
(72) Velazquez-Vargas, Luis G.
Flynn, Thomas J.
Sakadjian, Bartev B.
DEVAULT, Douglas J
KRAFT, David L
(31) 201313835676
(32) 15.03.2013
(33) United States of America

(51) C10K 1/00
C10K 1/08
C10K 1/32
C10G 2/00
(11) EP3368638
(21) EP15840991.2
(47) 11.09.2019
(87) IB2015002437
04.05.2017
(22) 26.10.2015
(54) PROCESS FOR PRODUCING A HYDROCARBON PRODUCT FLOW FROM A GASEOUS HYDROCARBONACEOUS FEED FLOW AND RELATED INSTALLATION
(73) Technip France
(72) MONIOT, Rémi
DAVEY, William Lewis Errol

(51) C10L 1/10
C10L 1/12
C10L 1/30
C10L 9/10
C10L 10/02
A62D 1/00
(11) EP3132008
(21) EP15717005.1
(47) 11.09.2019
(87) EP2015058459
22.10.2015
(22) 17.04.2015
(54) MATERIAL CONSISTING OF A PREPARATION COMPRISING FERROCENE
(73) Université de Rennes I
Centre National de la Recherche Scientifique (CNRS)
(72) MITCHELL, James Brian
(31) 1400923
(32) 17.04.2014
(33) France

(51) C10M 135/10
C10M 159/24
C10M 177/00
C10N 10/04
C10N 20/04
C10N 30/06
C10N 40/04
C10N 70/00
(11) EP2137284
(21) EP08744849.4
(47) 11.09.2019
(87) US2008058999
16.10.2008
(22) 01.04.2008
(54) HIGHLY BRANCHED SULFONATES FOR DRIVE-LINE APPLICATIONS
(73) The Lubrizol Corporation
(72) TIPTON, Craig D.
HOLLINGSHURST, Claire
SEDDON, Elisa J.
ROSKI, James P.
FRIEND, Christopher
NICHOLS, Willis P.
BUTKE, Betsy J.
SCHWIND, James J.
(31) 910065 P
(32) 04.04.2007
(33) United States of America

(51) C10M 141/12
C10N 10/04
C10N 10/12
C10N 40/25
C10N 60/14
(11) EP3461877
(21) EP18193945.5
(47) 11.09.2019
(22) 12.09.2018
(54) IMPROVEMENTS IN AND RELATING TO LUBRICATING COMPOSITIONS08877119.1
(73) Infineum International Limited
(72) Crick, Simon
Foster, Carina
Shaw, Robert
(31) 17193419
(32) 27.09.2017
(33) European Patent Office (EPO)

(51) C10M 161/00
C10N 30/02
C10N 30/04
C10N 30/06
C10N 40/25
(11) EP2844726
(21) EP13723047.0
(47) 11.09.2019
(87) EP2013059267
07.11.2013
(22) 03.05.2013
(54) LUBRICANT COMPOSITION FOR AN ENGINE
(73) TOTAL MARKETING SERVICES
Dow Global Technologies LLC
(72) LERASLE, Olivier
VALADE, Jérôme
KHELIDJ, Nadjet
(31) 1254149
(32) 04.05.2012
(33) France

(51) C11D 1/02
C11D 3/20
C11D 11/00
C11D 17/06
C11D 11/02
C11D 3/12
(11) EP3301153
(21) EP17177087.8
(47) 11.09.2019
(22) 21.06.2017
(54) PROCESS FOR PREPARING A SPRAY-DRIED LAUNDRY DETERGENT PARTICLE
(73) The Procter & Gamble Company
(72) TANTAWY, Hossam Hassan
CARAGAY, Jose Rodel Mabilangan
ROBLES, Eric San Jose
(31) 16192072
(32) 03.10.2016
(33) European Patent Office (EPO)

(51) C11D 1/66
(11) EP2718411
(21) EP11725676.8
(47) 11.09.2019
(87) EP2011059310

13.12.2012
(22) 06.06.2011
(54) SOPHOROLACTONE COMPOSITIONS AND USES THEREOF
(73) Ecover Co-ordination Center N.V.
(72) DEVELTER, Dirk
RENKIN, Mark

(51) C11D 1/75
C11D 3/20
C11D 3/43
(11) EP2638140
(21) EP11840449.0
(47) 11.09.2019
(87) US2011060419
18.05.2012
(22) 11.11.2011
(54) HARD SURFACE CLEANING COMPOSITION
(73) Jelmar, LLC
(72) GAUDREAULT, Rosemary
(31) 927377
(32) 12.11.2010
(33) United States of America

(51) C11D 1/83
C11D 3/04
C11D 3/10
C11D 3/40
C11D 17/00
(11) EP2834336
(21) EP13704456.6
(47) 11.09.2019
(87) EP2013053124
10.10.2013
(22) 15.02.2013
(54) LAUNDRY DETERGENT PARTICLES
(73) Unilever N.V.
(72) BATCHELOR, Stephen, Norman
CHAPPLE, Andrew, Paul
KENINGLEY, Stephen, Thomas
(31) 12163026
(32) 03.04.2012
(33) European Patent Office (EPO)

(51) C11D 3/00
C11D 3/40
(11) EP3362543
(21) EP16778635.9
(47) 11.09.2019
(87) US2016054267
20.04.2017
(22) 29.09.2016
(54) LAUNDRY CARE COMPOSITIONS COMPRISING WHITENING AGENTS FOR CELLULOSIC SUBSTRATES
(73) The Procter & Gamble Company
(72) MIRACLE, Gregory, Scot
TORRES, Eduardo
(31) 201514881231
(32) 13.10.2015
(33) United States of America

(51) C11D 3/04
C11D 3/40
C11D 17/00
(11) EP2834337
(21) EP13704609.0
(47) 11.09.2019
(87) EP2013053123
10.10.2013
(22) 15.02.2013
(54) LAUNDRY DETERGENT PARTICLES
(73) Unilever N.V.
(72) BATCHELOR, Stephen, Norman
CHAPPLE, Andrew, Paul
KENINGLEY, Stephen, Thomas
(31) 12163025
(32) 03.04.2012
(33) European Patent Office (EPO)

(51) C11D 3/20
C11D 3/33
C11D 3/39
C11D 3/395
C11D 17/06
(11) EP3301168
(21) EP16192099.6
(47) 11.09.2019
(22) 03.10.2016
(54) LAUNDRY DETERGENT COMPOSITION
(73) The Procter & Gamble Company
(72) Chieffi, Andre
Brooker, Alan Thomas
Wilkinson, Craig Adam
Fuller, Linsey Sarah
Gould, Paul Anthony
Tantawy, Hossam Hassan

(51) C11D 3/20
C11D 3/43
C11D 1/75
(11) EP2638141
(21) EP11840348.4
(47) 11.09.2019
(87) US2011060415
18.05.2012
(22) 11.11.2011
(54) HARD SURFACE CLEANING COMPOSITION FOR PERSONAL CONTACT AREAS
(73) Jelmar, LLC
(72) GAUDREAULT, Rosemary
(31) 927370
(32) 12.11.2010
(33) United States of America

(51) C11D 3/39
C11D 3/48
(11) EP3095847
(21) EP16168842.9
(47) 11.09.2019
(22) 10.05.2016
(54) WASHING AND CLEANING PRODUCT WITH IMPROVED HYGIENE PERFORMANCE
(73) Henkel AG & Co. KGaA
(72) HÄTZELT, André
WEIDE, Mirko
BASTIGKEIT, Thorsten
DREJA, Michael
KASTNER, Christian
(31) 102015209188
(32) 20.05.2015
(33) Germany

(51) C12M 1/08
C12M 1/04
(11) EP2817406
(21) EP13707318.5
(47) 11.09.2019
(87) EP2013053390
29.08.2013
(22) 20.02.2013
(54) DISPOSABLE CUTTER FOR RETAINING AND RETURNING CELLS
(73) Bayer Aktiengesellschaft
(72) KAULING, Joerg
SELETZKY, Juri
MAGNUS, Jorgen
PASTOR, Andre
BROD, Helmut
(31) 12001121
(32) 20.02.2012
(33) European Patent Office (EPO)

(51) C12M 1/42
C12M 3/00
C12N 1/12
C12P 7/00
C12P 5/02
C10L 1/02
C12R 1/89
(11) EP2640826
(21) EP11841822.7
(47) 11.09.2019
(87) US2011060557
24.05.2012
(22) 14.11.2011
(54) OPTOFLUIDIC PHOTOBIOREACTOR APPARATUS, METHOD, AND APPLICATIONS
(73) Cornell University
(72) ERICKSON, David
SINTON, David
(31) 413685 P
(32) 15.11.2010
(33) United States of America

(51) C12N 1/14
C05F 11/08
C12R 1/80
A01N 63/04
(11) EP2920293
(21) EP13855020.7
(47) 11.09.2019
(87) US2013070285
22.05.2014
(22) 15.11.2013
(54) MICROBIAL STRAINS, COMPOSITIONS, AND METHODS FOR INCREASING AVAILABLE PHOSPHATE FOR PLANTS
(73) Novozymes Bio AG A/S
(72) FRODYMA, Michael
GREENSHIELDS, David
STECKLER, Shelagh
PRIEST, Kari
CALDWELL, Caressa
(31) 201261727300 P
(32) 16.11.2012
(33) United States of America

(51) C12N 1/36
C12Q 1/6895
C12N 9/90
C12N 15/01
C12N 1/16
C12N 1/18
(11) EP2925854
(21) EP13799018.0
(47) 11.09.2019
(87) EP2013075045
05.06.2014
(22) 29.11.2013

(54) YEAST STRAIN IMPROVEMENT METHOD
(73) Institut Curie
Centre National de la Recherche Scientifique
Sorbonne Université
Université Nice Sophia Antipolis
INSERM (Institut National de la Santé et de la Recherche Médicale)
(72) NICOLAS, Alain
LITI, Gianni
(31) 1261456
(32) 30.11.2012
(33) France

(51) C12N 5/00
C12N 11/12
A61L 27/52
C08J 3/075
C08L 1/02
(11) EP2975115
(21) EP15155375.7
(47) 11.09.2019
(22) 26.10.2011
(54) Plant derived cell culture material
(73) UPM-Kymmene Corporation
(72) Yliperttula, Marjo
Lauren, Patrick
Bhattacharya, Madhushree
Lou, Yanru
Laukkanen, Antti
(31) 20106121
(32) 27.10.2010
(33) Finland

(51) C12N 5/0783
G01N 33/50
A61P 37/00
A61P 43/00
(11) EP3280796
(21) EP16725903.5
(47) 11.09.2019
(87) IB2016051984
13.10.2016
(22) 07.04.2016
(54) POPULATION OF HUMAN LYMPHOID PRECURSORS, METHOD FOR THEIR IDENTIFICATION AND USES THEREOF
(73) Universita' degli Studi di Genova
(72) DE MARIA, Andrea
MORETTA, Lorenzo
BOZZANO, Federica
MARRAS, Francesco
(31) UB20150079
(32) 09.04.2015
(33) Italy

(51) C12N 9/00
C12N 15/82
(11) EP3199624
(21) EP16190303.4
(47) 11.09.2019
(22) 01.11.2012
(54) TRANSGENIC PLANTS RESISTANT TO NON-PROTEIN AMINO ACIDS
(73) Yeda Research and Development Co. Ltd.
(72) SAFRO, Mark
KLIPCAN, Liron
MAYMON, Inbar
FINAROV, Igal
(31) 201161554993 P
(32) 03.11.2011
(33) United States of America

(51) C12N 9/02
C12N 9/42
D21C 5/00
A01H 5/00
C12N 1/15
C12N 1/21
C12P 7/14
D21H 17/00
C11D 3/386
C12P 19/14
C12P 19/02
(11) EP3219794
(21) EP17159321.3
(47) 11.09.2019
(22) 21.11.2012
(54) GH61 POLYPEPTIDE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME
(73) Novozymes A/S
Novozymes, Inc.
(72) LIN, Janine
MARANTA, Michelle
BOHAN, Doreen
BERESFORD, Leslie
LAMSA, Michael
HANSEN, Bjarne G.
RASMUSSEN, Frank W.
SWEENEY, Matt
BOYLE III, Douglas J.
(31) 201161562277 P
(32) 21.11.2011
(33) United States of America

(51) C12N 9/04
C12P 7/56
(11) EP3011017
(21) EP14737468.0
(47) 11.09.2019
(87) US2014043053
24.12.2014
(22) 18.06.2014
(54) COMPOSITIONS AND METHODS FOR BIOLOGICAL PRODUCTION OF LACTATE FROM C1 COMPOUNDS USING LACTATE DEHYDROGENASE TRANSFORMANTS
(73) Calysta, Inc.
(72) SAVILLE, Renee, M.
LEE, Sungwon
REGITSKY, Drew, D.
RESNICK, Sol, M.
SILVERMAN, Joshua
(31) 201361836609 P
201461928390 P
(32) 18.06.2013
16.01.2014
(33) United States of America
United States of America

(51) C12N 9/04
C12P 13/00
C12P 7/00
C12P 17/10
C12N 9/00
(11) EP2780448
(21) EP12795954.2
(47) 11.09.2019
(87) US2012065046
23.05.2013
(22) 14.11.2012
(54) BIOCATALYSTS FOR THE PREPARATION OF HYDROXY SUBSTITUTED CARBAMATES
(73) Codexis, Inc.
(72) CABIROL, Fabien
CHEN, Haibin
GOHEL, Anupam
COLLIER, Steven, J.
SMITH, Derek
KOSJEK, Birgit
JANEY, Jacob
(31) 201161561665 P
(32) 18.11.2011
(33) United States of America

(51) C12N 9/10
C12P 19/08
C12P 19/18
A61K 8/73
A61K 47/36
A61K 31/721
C08B 37/02
A23L 29/269
(11) EP3174978
(21) EP15759857.4
(47) 11.09.2019
(87) FR2015052002
04.02.2016
(22) 21.07.2015
(54) PROTEIN WITH DEXTRAN-SACCHARASE ACTIVITY, AND USES
(73) Institut National des Sciences Appliquées de Toulouse
Institut National De La Recherche Agronomique
Centre National de la Recherche Scientifique
Université Paul Sabatier Toulouse III
(72) VUILLEMIN, Marlène
CLAVERIE, Marion
MOULIS, Claire
REMAUD-SIMEON, Magali
MONSAN, Pierre
SEVERAC, Etienne
FONTAGNE-FAUCHER, Catherine
(31) 1457264
(32) 28.07.2014
(33) France

(51) C12N 9/12
C12Q 1/68
C12N 15/10
C40B 40/06
(11) EP3049518
(21) EP14776848.5
(47) 11.09.2019
(87) EP2014070478
02.04.2015
(22) 25.09.2014
(54) ENZYME COMPOSITION FOR DNA END REPAIR, ADENYLATION, PHOSPHORYLATION
(73) Thermo Fisher Scientific Baltics UAB
(72) LUBIENE, Judita
BEREZNIAKOVAS, Arturas
LUBYS, Arvydas
(31) 201361882480 P
201361904543 P
(32) 25.09.2013
15.11.2013
(33) United States of America

United States of America

(51) C12N 9/24
C12N 15/82
(11) EP3167055
(21) EP15736825.9
(47) 11.09.2019
(87) EP2015065754
14.01.2016
(22) 09.07.2015
(54) POLYPEPTIDES HAVING XYLANASE ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME
(73) Novozymes A/S
(72) BLOM, Charlotte
PEDERSEN, Ninfa Rangel
PETTERSSON, Dan
EKLÖF, Jens Magnus
KROGH, Kristian Bertel Roemer M.
BORCHERT, Martin Simon
SEGURA, Dorotea Raventos
ILMBERGER, Nele
STREIT, Wolfgang
SALOMON, Jesper
(31) 14176473
14184066
(32) 10.07.2014
09.09.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C12N 15/00
A61K 35/26
A61K 35/76
A61P 35/00
C12N 5/10
C12N 15/09
C07K 14/47
C07K 14/54
C07K 19/00
(11) EP3205720
(21) EP15849416.1
(47) 11.09.2019
(87) JP2015005080
14.04.2016
(22) 06.10.2015
(54) CAR EXPRESSION VECTOR AND CAR-EXPRESSING T CELLS
(73) Yamaguchi University
(72) TAMADA, Koji
SAKODA, Yukimi
ADACHI, Keishi
(31) 2014208200
(32) 09.10.2014
(33) Japan

(51) C12N 15/09
C12M 1/00
C12Q 1/68
G01N 33/53
G01N 33/543
C12Q 1/6832
(11) EP3348640
(21) EP18152990.0
(47) 11.09.2019
(22) 24.11.2011
(54) AMPLIFIED NUCLEIC ACID DETECTION METHOD AND DETECTION DEVICE
(73) KANEKA CORPORATION
(72) TAKAHASHI, Koji
MIYAMOTO, Shigehiko
JIKIHARA, Takaaki
TOMONO, Jun
(31) 2010261728
2011143424
(32) 24.11.2010
28.06.2011
(33) Japan
Japan

(51) C12N 15/09
C12N 1/19
C12P 21/08
(11) EP2990485
(21) EP14788127.0
(47) 11.09.2019
(87) JP2014060941
30.10.2014
(22) 17.04.2014
(54) FD CHAIN GENE OR L CHAIN GENE EACH CAPABLE OF INCREASING SECRETION AMOUNT OF FAB-TYPE ANTIBODY
(73) Kaneka Corporation
(72) NISHIYAMA Tozo
(31) 2013092862
2013221703
(32) 25.04.2013
25.10.2013
(33) Japan
Japan

(51) C12N 15/09
C12N 7/00
C12N 7/02
(11) EP3020808
(21) EP14823074.1
(47) 11.09.2019
(87) JP2014068438
15.01.2015
(22) 10.07.2014
(54) METHOD FOR MANUFACTURING ADENO-ASSOCIATED VIRUS
(73) Takara Bio Inc.
(72) SAKAMOTO, Shuhei
KAWANO, Yasuhiro
DODO, Katsuyuki
ENOKI, Tatsuji
YOSHIOKA, Hirofumi
TAKAKURA, Hikaru
MINENO, Junichi
(31) 2013145325
(32) 11.07.2013
(33) Japan

(51) C12N 15/10
C12N 15/64
C12N 15/01
(11) EP3097196
(21) EP15759185.0
(47) 11.09.2019
(87) US2015012022
11.09.2015
(22) 20.01.2015
(54) NEGATIVE SELECTION AND STRINGENCY MODULATION IN CONTINUOUS EVOLUTION SYSTEMS
(73) President and Fellows of Harvard College
(72) LIU, David R.
CARLSON, Jacob Charles
BADRAN, Ahmed Hussein
ESVELT, Kevin Michael
(31) 201461929378 P
(32) 20.01.2014
(33) United States of America

(51) C12N 15/11
C12N 15/113
A61K 31/713
(11) EP2336317
(21) EP10011218.4
(47) 11.09.2019
(22) 14.06.2004
(54) Double-stranded ribonucleic acid with increased effectiveness in an organism
(73) Alnylam Europe AG
(72) Woppmann, Claudia
Vornlocher, Hans-Peter
Hadwiger, Philipp
John, Matthias
Limmer, Stefan
(31) 03013296
479354 P
04002374
(32) 13.06.2003
18.06.2003
03.02.2004
(33) European Patent Office (EPO)
United States of America
European Patent Office (EPO)

(51) C12N 15/113
A61K 31/7088
(11) EP2870246
(21) EP13739847.5
(47) 11.09.2019
(87) NL2013050487
09.01.2014
(22) 03.07.2013
(54) OLIGONUCLEOTIDE FOR THE TREATMENT OF MUSCULAR DYSTROPHY PATIENTS
(73) BioMarin Technologies B.V.
(72) VAN DEUTEKOM, Judith Christina Theodora
(31) 12174781
201261667517 P
(32) 03.07.2012
03.07.2012
(33) European Patent Office (EPO)
United States of America

(51) C12N 15/113
A61P 31/14
A61K 31/713
(11) EP3017046
(21) EP14753163.6
(47) 11.09.2019
(87) IN2014000441
08.01.2015
(22) 02.07.2014
(54) RNAI AGENT FOR INHIBITION OF CHIKUNGUNYA VIRUS
(73) Indian Council of Medical Research
(72) PARASHAR, DEEPTI
ARANKALLE, A. , VIDYA
PAINGANKAR, S., MANDAR
KUMAR, SATYENDRA
GOKHALE, D., MANGESH
SUDEEP, B., A.
SHINDE, S., SAPNA
(31) 1960DE2013

(32) 02.07.2013
(33) India

(51) C12N 15/12
C12N 15/86
C12N 5/10
C07K 14/47
C07K 14/82
A61K 38/00
A61K 38/17
(11) EP3257943
(21) EP17180843.9
(47) 11.09.2019
(22) 02.11.2011
(54) METHODS AND VECTORS FOR CELL IMMORTALISATION
(73) Helmholtz-Zentrum für Infektionsforschung GmbH
(72) MAY, Tobias
HAUSER, Hansjörg
SCHULLER, Franziska
ZAUERS, Jeannette
SCHUCHT, Roland
(31) 409503 P
10014200
(32) 02.11.2010
02.11.2010
(33) United States of America
European Patent Office (EPO)

(51) C12N 15/62
C07K 14/485
C12N 9/52
A61K 8/64
A61Q 19/00
(11) EP3299385
(21) EP16904720.6
(47) 11.09.2019
(87) KR2016007985
14.12.2017
(22) 22.07.2016
(54) BOTULINUM TOXIN-HUMAN EPIDERMAL GROWTH FACTOR FUSION PROTEIN WITH INCREASED SKIN CELL PROLIFERATION AND ANTI-OXIDATION EFFECT, AND COSMETIC COMPOSITION CONTAINING THE SAME AS EFFECTIVE COMPONENT
(73) Nexgen Biotechnologies, Inc.
Lee, Sun Kyo
(72) LEE, Sun Kyo
RYU, Han Bong
LEE, Seong Ran
CHOI, Jong Nam
CHOI, Tae Won
KIM, Tae Hyun
JEONG, Tae Hwa
KWON, Hyeong Il
(31) 20160071284
(32) 08.06.2016
(33) Korea (Republic)

(51) C12N 15/63
C12N 15/11
C07H 19/00
C12Q 1/68
(11) EP2370580
(21) EP09831068.3
(47) 11.09.2019
(87) US2009066445
10.06.2010
(22) 02.12.2009
(54) TREATMENT OF SIRTUIN 1 (SIRT1) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO SIRTUIN 1
(73) CuRNA, Inc.
(72) COLLARD, Joseph
KHORKOVA SHERMAN, Olga
COITO, Carlos
DE LEON, Belinda
(31) 157255 P
119965 P
259072 P
(32) 04.03.2009
04.12.2008
06.11.2009
(33) United States of America
United States of America
United States of America

(51) C12N 15/82
A01H 5/00
C07K 14/415
C12Q 1/6895
C12N 15/01
(11) EP3156488
(21) EP16179838.4
(47) 11.09.2019
(22) 09.07.2009
(54) BRASSICA PLANT COMPRISING A MUTANT INDEHISCENT ALLELE
(73) BASF Agricultural Solutions Seed US LLC
(72) LAGA, Benjamin
DEN BOER, Bart
LAMBERT, Bart
(31) 135230 P
08075648
(32) 17.07.2008
18.07.2008
(33) United States of America
European Patent Office (EPO)

(51) C12N 15/861
C12N 15/52
(11) EP2914731
(21) EP13851143.1
(47) 11.09.2019
(87) US2013067608
08.05.2014
(22) 30.10.2013
(54) REVERSIBLE GENE EXPRESSION
(73) California Institute of Technology
(72) BALAZS, Alejandro B.
BALTIMORE, David
(31) 201261721365 P
201361779987 P
(32) 01.11.2012
13.03.2013
(33) United States of America
United States of America

(51) C12P 7/02
C12N 9/16
C12N 15/82
C12N 9/02
C12P 7/04
(11) EP3140410
(21) EP15730972.5
(47) 11.09.2019
(87) EP2015059988
12.11.2015
(22) 06.05.2015
(54) DRIMENOL SYNTHASES AND METHOD OF PRODUCING DRIMENOL
(73) Firmenich SA
(72) HAEFLIGER, Olivier
HE, Xiu-Feng
ZHANG, Yu-Hua
SCHALK, Michel
DEGUERRY, Fabienne
(31) PCT/CN2014/076890
(32) 06.05.2014
(33) World Intellectual Property Office (WIPO)

(51) C12P 7/04
C12P 7/16
C12N 9/02
C12N 9/04
(11) EP3313998
(21) EP16736807.5
(47) 11.09.2019
(87) EP2016064504
29.12.2016
(22) 23.06.2016
(54) METHOD FOR THE ENZYMATIC PRODUCTION OF ISOAMYL ALCOHOL
(73) Global Bioenergies
(72) ANISSIMOVA, Maria
ALLARD, Mathieu
(31) 15174104
(32) 26.06.2015
(33) European Patent Office (EPO)

(51) C12P 7/22
C07C 39/20
C12P 13/22
C12P 7/42
(11) EP3271465
(21) EP16718991.9
(47) 11.09.2019
(87) AT2016050051
15.09.2016
(22) 03.03.2016
(54) METHOD FOR PRODUCING P-VINYLPHENOLS
(73) Universität Graz
(72) KROUTIL, Wolfgang
BUSTO, Eduardo
SIMON, Robert
(31) 1302015
(32) 10.03.2015
(33) Austria

(51) C12P 7/40
C12P 7/42
C12N 15/52
C12N 9/10
C12N 9/04
C12N 9/88
(11) EP3298154
(21) EP16739141.6
(47) 11.09.2019
(87) EP2016066875
02.02.2017
(22) 15.07.2016
(54) PRODUCTION OF 3-HYDROXYBUTYRATE
(73) Evonik Degussa GmbH
(72) HAAS, Thomas
HECKER, Anja
PÖTTER, Markus
BÜLTER, Thomas

(31) 15178769
(32) 29.07.2015
(33) European Patent Office (EPO)

(51) C12P 19/02
C12P 19/04
C12P 19/12
(11) EP3347480
(21) EP16754281.0
(47) 11.09.2019
(87) EP2016069739
16.03.2017
(22) 19.08.2016
(54) SELF-SUFFICIENT PROCESS FOR THE PRODUCTION OF BIOMASS HYDROLYSATE WITH REDUCED SALT CONTENT
(73) Clariant International Ltd
(72) ZAVREL, Michael
DENNEWALD, Danielle
HOFFMANN, Philip
VERHUELSDONK, Marcus
(31) 15184895
(32) 11.09.2015
(33) European Patent Office (EPO)

(51) C12P 21/02
C07K 14/755
(11) EP3158055
(21) EP15806732.2
(47) 11.09.2019
(87) AU2015050170
17.12.2015
(22) 14.04.2015
(54) IMPROVED PRODUCTION OF RECOMBINANT VON WILLEBRAND FACTOR IN A BIOREACTOR
(73) CSL Limited
(72) DEBUS, Stefan
LIND, Holger
(31) 14172338
(32) 13.06.2014
(33) European Patent Office (EPO)

(51) C12P 21/02
C12R 1/84
C07K 14/78
(11) EP3473726
(21) EP16909380.4
(47) 11.09.2019
(87) CN2016102435
25.01.2018
(22) 18.10.2016
(54) FERMENTATION TECHNIQUE TO IMPROVE PRODUCTION LEVEL OF RECOMBINANT HUMAN COLLAGEN
(73) Jiangsu Jland Biotech Co., Ltd.
(72) YANG, Shulin
DU, Erfeng
HUANG, Jianmin
GAO, Lihu
ZHAO, Jianfeng
TAO, Hai
FENG, Liping
ZHOU, Aimei
(31) 201610587403
(32) 22.07.2016
(33) China

(51) C12Q 1/04
C12Q 1/08
C12Q 1/14
G01N 33/02
(11) EP3083982
(21) EP14828493.8
(47) 11.09.2019
(87) FR2014053359
25.06.2015
(22) 16.12.2014
(54) METHOD FOR THE DIFFERENTIAL ENUMERATION OF LACTIC ACID BACTERIA IN A MIXTURE IN A FOOD PRODUCT
(73) COMPAGNIE GERVAIS DANONE
(72) FOURMESTRAUX, Candice
COMBRISSON, Jerôme
BOYER, Mickaël
GALAT, Anna
BOUMGHAR-BOURTCHAI, Leyla
(31) PCT/IB2013/060988
(32) 16.12.2013
(33) World Intellectual Property Office (WIPO)

(51) C12Q 1/68
(11) EP3377651
(21) EP16822268.5
(47) 11.09.2019
(87) IB2016056879
26.05.2017
(22) 16.11.2016
(54) A METHOD AND A KIT FOR NUCLEIC ACID DETECTION
(73) Fondazione Istituto Italiano di Tecnologia
(72) POMPA, Pier Paolo
VALENTINI, Paola
(31) UB20155706
(32) 18.11.2015
(33) Italy

(51) C12Q 1/68
B01L 3/00
(11) EP3094740
(21) EP14799822.3
(47) 11.09.2019
(87) EP2014075141
23.07.2015
(22) 20.11.2014
(54) ANALYSIS UNIT FOR PERFORMING A NESTED POLYMERASE CHAIN REACTION, ANALYSIS DEVICE, METHOD FOR OPERATING AN ANALYSIS UNIT OF SAID TYPE, AND METHOD FOR MANUFACTURING AN ANALYSIS UNIT OF SAID TYPE
(73) Robert Bosch GmbH
(72) HOFFMANN, Jochen
(31) 102014200509
(32) 14.01.2014
(33) Germany

(51) C12Q 1/68
C12N 15/11
G01N 33/50
(11) EP3152333
(21) EP15803889.3
(47) 11.09.2019
(87) US2015033968
10.12.2015
(22) 03.06.2015
(54) METHYLATED MARKERS FOR COLORECTAL CANCER
(73) Quest Diagnostics Investments Incorporated
Clinical Genomics Pty. Ltd.
(72) PEDERSEN, Susanne
LAPOINTE, Lawrence
BAKER, Rohan
DONAHUE, Amber C.
PENG, Yen-Lin
WALDMAN, Frederic
(31) 201462007687 P
(32) 04.06.2014
(33) United States of America

(51) C12Q 1/68
C12P 19/34
C07H 21/02
C07H 21/04
(11) EP3246417
(21) EP17175085.4
(47) 11.09.2019
(22) 17.02.2006
(54) METHODS AND PROBES FOR DETECTING ESOPHAGEAL CANCER
(73) Abbott Molecular Inc.
Mayo Foundation for Medical Education and Research
(72) HALLING, Kevin
MORRISON, Larry E
BRANKLEY, Shannon
(31) 654742 P
(32) 18.02.2005
(33) United States of America

(51) C12Q 1/68
C12Q 1/04
(11) EP3351642
(21) EP17205276.3
(47) 11.09.2019
(22) 12.06.2015
(54) METHOD FOR DETECTING AND CHARACTERISING A MICROORGANISM
(73) Q-Linea AB
(72) JARVIUS, Jonas
GRAWE, Jan
(31) 201410585
201507056
(32) 13.06.2014
24.04.2015
(33) United Kingdom
United Kingdom

(51) C12Q 1/68
C12Q 1/70
C12Q 1/6883
(11) EP3167078
(21) EP15745146.9
(47) 11.09.2019
(87) EP2015001399
14.01.2016
(22) 09.07.2015
(54) HCBI, MSBI, MSSI AND CMI SEQUENCES AS AN EARLY MARKER FOR THE FUTURE DEVELOPMENT OF CANCER AND DISEASES OF THE CNS AND AS A TARGET FOR THE TREATMENT AND PREVENTION OF THESE DISEASES
(73) Deutsches Krebsforschungszentrum
(72) DE VILLIERS-ZUR HAUSEN, Ethel-Michele
ZUR HAUSEN, Harald
GUNST, Karin
WHITLEY, Corinna

PÉREZ, Iranzu Lamberto
(31) 14176624
(32) 10.07.2014
(33) European Patent Office (EPO)

(51) C12Q 1/6806
B01F 13/00
B01F 3/08
B01L 3/00
B01L 3/02
B01L 7/00
G01N 35/08
G01N 35/00
G01N 35/10
(11) EP2550528
(21) EP11760359.7
(47) 11.09.2019
(87) US2011030101
29.09.2011
(22) 25.03.2011
(54) DROPLET GENERATION FOR DROPLET-BASED ASSAYS
(73) Bio-Rad Laboratories, Inc.
(72) NESS, Kevin, D.
KELLY, Christopher, F.
MASQUELIER, Donald, A.
(31) 341218 P
(32) 25.03.2010
(33) United States of America

(51) C12Q 1/682
C12Q 1/6825
C12Q 1/6804
C12Q 1/6832
G01N 33/552
C07H 21/04
G01N 33/53
(11) EP3118330
(21) EP16179730.3
(47) 11.09.2019
(22) 15.07.2016
(54) DETECTION COMPRISING SIGNAL AMPLIFIER
(73) Helios Bioelectronics Inc.
(72) Wai-Hong, Chan, Hardy
Yuh-Shyong, Yang
Wen-Yih, Chen
(31) 201562192987 P
(32) 15.07.2015
(33) United States of America

(51) C12Q 1/6844
(11) EP3150722
(21) EP16195596.8
(47) 11.09.2019
(22) 01.02.2010
(54) PRODUCTION OF CLOSED LINEAR DNA
(73) Touchlight IP Limited
(72) HILL, Vanessa
(31) 0901593
(32) 30.01.2009
(33) United Kingdom

(51) C12Q 1/6874
C12N 15/10
C12P 19/34
C12Q 1/6806
(11) EP3102691
(21) EP14830968.5
(47) 11.09.2019
(87) EP2014079473
06.08.2015
(22) 30.12.2014
(54) METHOD FOR CONTROLLED DNA FRAGMENTATION
(73) Thermo Fisher Scientific Baltics UAB
(72) UKANIS, Mindaugas
LUBYS, Arvydas
TAMOSEVICIUS, Romas
GAIDAMAUSKAS, Ervinas
(31) 201461934879 P
(32) 03.02.2014
(33) United States of America

(51) C12Q 1/6883
(11) EP3087203
(21) EP14873830.5
(47) 11.09.2019
(87) CA2014051257
02.07.2015
(22) 23.12.2014
(54) GENETIC MARKERS ASSOCIATED WITH SUICIDE RISK AND METHODS OF USE THEREOF
(73) Centre For Addiction And Mental Health
(72) ZAI, Clement C.
KENNEDY, James L.
(31) 201361920332 P
(32) 23.12.2013
(33) United States of America

(51) C12Q 1/6886
(11) EP2971177
(21) EP14775449.3
(47) 11.09.2019
(87) US2014025860
02.10.2014
(22) 13.03.2014
(54) COMPOSITIONS AND METHODS FOR DETECTING AND DETERMINING A PROGNOSIS FOR PROSTATE CANCER
(73) Neogenomics Laboratories, Inc.
(72) ALBITAR, Maher
(31) 201361785375 P
(32) 14.03.2013
(33) United States of America

(51) C12Q 1/6886
(11) EP3140420
(21) EP15723184.6
(47) 11.09.2019
(87) EP2015059954
12.11.2015
(22) 06.05.2015
(54) BREAST CANCER EPIGENETIC MARKERS USEFUL IN ANTHRACYCLINE TREATMENT PROGNOSIS
(73) Université Libre de Bruxelles
(72) FUKS, François
JESCHKE, Jana
DEFRANCE, Matthieu
DESMEDT, Christine
BIZET, Martin
SOTIRIOU, Christos
(31) 14167401
(32) 07.05.2014
(33) European Patent Office (EPO)

(51) C12Q 1/6886
(11) EP3342879
(21) EP17211034.8
(47) 11.09.2019
(22) 29.12.2017
(54) METHODS FOR PREDICTING DRUG RESPONSIVENESS IN CANCER PATIENTS
(73) Oncology Venture ApS
(72) Knudsen, Steen
(31) 201662440883 P
(32) 30.12.2016
(33) United States of America

(51) C12Q 1/6886
C07K 14/47
G01N 33/574
(11) EP3284750
(21) EP17181518.6
(47) 11.09.2019
(22) 28.10.2005
(54) NUCLEOPHOSMIN PROTEIN (NPM) MUTANTS, CORRESPONDING GENE SEQUENCES AND USES THEREOF
(73) Falini, Brunangelo
Mecucci, Cristina
(72) FALINI, Brunangelo
MECUCCI, Christina
(31) RM20040534
(32) 29.10.2004
(33) Italy

(51) C12Q 1/6886
C12Q 1/6827
(11) EP3307908
(21) EP16733774.0
(47) 11.09.2019
(87) US2016036763
15.12.2016
(22) 09.06.2016
(54) METHODS FOR MOLECULAR TAGGING
(73) Life Technologies Corporation
(72) MONGAN, Ann
CHIEN, Richard
BRINZA, Dumitru
BRAMLETT, Kelli
(31) 201562172836 P
201562207177 P
201562248978 P
201662304530 P
201662310647 P
201662311276 P
201662323142 P
(32) 09.06.2015
19.08.2015
30.10.2015
07.03.2016
18.03.2016
21.03.2016
15.04.2016
(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) C12Q 3/00
C12M 1/36
C12M 3/00
C12N 5/00
C12M 1/34
(11) EP2499265
(21) EP10829390.3

(47) 11.09.2019
(87) CA2010001180
19.05.2011
(22) 27.07.2010
(54) DEVICE AND METHOD FOR CULTURING CELLS
(73) The Governing Council of the University of Toronto
(72) ZANDSTRA, Peter
CSASZAR, Elizabeth
KIROUAC, Daniel Christopher
ITO, Caryn
(31) 272878 P
(32) 13.11.2009
(33) United States of America

(51) C12R 1/79
A01N 63/00
A01N 63/04
(11) EP2959779
(21) EP13861787.3
(47) 11.09.2019
(87) MX2013000163
19.06.2014
(22) 13.12.2013
(54) BIOCONTROL OF PHYTO-PARASITIC NEMATODES USING PAECILOMYCES
(73) Instituto De Ecología, A.C.
(72) CARRIÓN VILLARNOVO, Gloria Luz Laura
HERNÁNDEZ LEAL, Tania Isadora
LÓPEZ LIMA, José Daniel
NÚÑEZ SÁNCHEZ, Ángel Enrique
(31) 2012014536
(32) 13.12.2012
(33) Mexico

(51) C14C 3/02
C14C 3/06
C14C 3/10
C11D 1/66
C11D 3/20
B01F 17/00
C14C 3/08
(11) EP3322826
(21) EP16759881.2
(47) 11.09.2019
(87) IN2016050232
19.01.2017
(22) 11.07.2016
(54) A DISPERSING AGENT COMPOSITION FOR TANNING OF HIDES/SKINS AND A PROCESS FOR THE PREPARATION THEREOF
(73) Council of Scientific and Industrial Research
(72) CHELLAPPA, Muralidharan
(31) 2104DE2015
(32) 13.07.2015
(33) India

(51) C21D 1/02
C21D 8/02
C21D 8/04
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/14
C22C 38/58
B21B 1/22
C21D 6/00
C22C 38/12
C22C 38/16
C22C 38/46
C22C 38/50
C21D 7/13
C21D 9/46
(11) EP2987887
(21) EP14785555.5
(47) 11.09.2019
(87) JP2014001509
23.10.2014
(22) 17.03.2014
(54) HIGH STRENGTH HOT ROLLED STEEL SHEET AND METHOD FOR PRODUCING SAME
(73) JFE Steel Corporation
(72) YAMAZAKI, Kazuhiko
NAKAJIMA, Katsumi
KAMI, Chikara
(31) 2013084448
2013084450
(32) 15.04.2013
15.04.2013
(33) Japan
Japan

(51) C21D 1/18
C21D 9/46
B32B 15/01
B32B 15/20
C21D 6/02
C22C 38/04
C22C 38/06
C22C 38/22
C22C 38/26
C22C 38/28
C22C 38/32
C22C 38/42
C22C 38/50
C22C 38/54
C22C 38/24
C22C 38/02
C21D 7/13
B21D 22/02
B21D 22/20
(11) EP2975150
(21) EP14765008.9
(47) 11.09.2019
(87) JP2014056669
18.09.2014
(22) 13.03.2014
(54) HIGH STRENGTH COLD ROLLED STEEL PLATE WITH EXCELLENT DELAYED FRACTURE RESISTANCE CHARACTERISTICS AND LOW TEMPERATURE TOUGHNESS, AND HIGH STRENGTH MEMBER MANUFACTURED USING SAME
(73) Nippon Steel Corporation
(72) TANAHASHI, Hiroyuki
TOMOKIYO, Toshimasa
(31) 2013051953
(32) 14.03.2013
(33) Japan

(51) C21D 1/26
C21D 9/56
C22C 1/02
C22C 38/00
C22C 38/26
C22C 38/38
C23C 2/02
C21D 1/18
C21D 8/02
C21D 9/46
C22C 38/02
C22C 38/04
C22C 38/06
(11) EP2836614
(21) EP13717417.3
(47) 11.09.2019
(87) DE2013000125
26.09.2013
(22) 27.02.2013
(54) HIGH-STRENGTH MULTI-PHASE STEEL, AND METHOD FOR PRODUCING A STRIP FROM SAID STEEL
(73) Salzgitter Flachstahl GmbH
(72) SCHULZ, Thomas
WEDEMEIER, Andreas
POHL, Michael
KRATZ, Hans-Joachim
GELER, Matthias
MEYER, Oliver
(31) 102012006017
(32) 20.03.2012
(33) Germany

(51) C21D 9/40
C21D 1/34
F27B 17/00
C21D 1/767
F27D 7/04
(11) EP3093353
(21) EP14875308.0
(47) 11.09.2019
(87) CN2014093630
02.07.2015
(22) 11.12.2014
(54) HEATING DEVICE FOR ANNULAR COMPONENT AND ANNULAR CAVITY THEREOF
(73) Beijing Goldwind Science & Creation Windpower Equipment Co. Ltd.
(72) MA, Shengjun
LIU, Chengqian
(31) 201310733579
(32) 26.12.2013
(33) China

(51) C21D 9/46
C22C 38/14
C22C 38/58
C23C 2/02
C23C 2/06
C23C 2/28
C23C 28/00
C25D 5/26
B32B 15/01
C21D 8/02
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/22
C22C 38/28
C22C 38/34
C22C 38/38
C25D 5/36
C25D 5/48
C25D 7/06

(11) EP2740812
(21) EP12820097.9
(47) 11.09.2019
(87) JP2012069261
07.02.2013
(22) 27.07.2012
(54) HIGH-STRENGTH STEEL SHEET EXCELLENT IN IMPACT RESISTANCE AND MANUFACTURING METHOD THEREOF,AND HIGH-STRENGTH GALVANIZED STEEL SHEET AND MANUFACTURING METHOD THEREOF
(73) Nippon Steel Corporation
(72) KAWATA, Hiroyuki
MARUYAMA, Naoki
MURASATO, Akinobu
MINAMI, Akinobu
HASEGAWA, Hajime
WAKABAYASHI, Chisato
OKI, Tsuyoshi
(31) 2011167661
(32) 29.07.2011
(33) Japan

(51) C22B 11/00
B01J 20/04
B01J 20/12
B01J 20/16
B01J 20/34
C02F 1/28
C22B 3/44
C22B 7/00
(11) EP2677047
(21) EP12747474.0
(47) 11.09.2019
(87) JP2012053050
23.08.2012
(22) 10.02.2012
(54) METHOD FOR COLLECTION OF RUTHENIUM OR RUTHENIUM COMPOUND
(73) Mitsubishi Gas Chemical Company, Inc.
(72) OUCHI Takashi
NISHIMURA Yoshio
(31) 2011032980
(32) 18.02.2011
(33) Japan

(51) C22C 21/00
B21C 1/00
C22F 1/04
H01B 1/02
H01B 5/02
C22F 1/00
(11) EP2597168
(21) EP11806918.6
(47) 11.09.2019
(87) JP2011066258
19.01.2012
(22) 15.07.2011
(54) ALUMINUM ALLOY CONDUCTOR
(73) Furukawa Electric Co., Ltd.
Furukawa Automotive Systems Inc.
(72) SEKIYA, Shigeki
SUSAI, Kyota
(31) 2010161116
(32) 15.07.2010
(33) Japan

(51) C22C 21/02
B22D 21/04
(11) EP3216884
(21) EP15879806.6
(47) 11.09.2019
(87) JP2015000405
04.08.2016
(22) 29.01.2015
(54) ALUMINUM ALLOY FOR DIE CASTING AND ALUMINUM-ALLOY DIE CAST OBTAINED THEREFROM
(73) DAIKI ALUMINIUM INDUSTRY CO., LTD.
(72) KABURAGI, Atsuo
MIYAJIRI, Satoshi
OSHIRO, Naoto

(51) C22C 27/04
(11) EP2796580
(21) EP14161255.6
(47) 11.09.2019
(22) 24.03.2014
(54) Alloy composition
(73) Rolls-Royce plc
(72) Conduit, Bryce
Conduit, Gareth
Stone, Howard
Hardy, Mark
(31) 201307533
(32) 26.04.2013
(33) United Kingdom

(51) C22C 38/00
B21B 1/26
B21B 3/00
C21D 8/02
C22C 38/14
C22C 38/58
(11) EP2392682
(21) EP10735966.3
(47) 11.09.2019
(87) JP2010051646
05.08.2010
(22) 29.01.2010
(54) THICK HIGH-TENSILE-STRENGTH HOT-ROLLED STEEL SHEET WITH EXCELLENT LOW-TEMPERATURE TOUGHNESS AND PROCESS FOR PRODUCTION OF SAME
(73) JFE Steel Corporation
(72) KAMI, Chikara
NAKATA, Hiroshi
NAKAGAWA, Kinya
(31) 2009019353
2009019356
2009019357
(32) 30.01.2009
30.01.2009
30.01.2009
(33) Japan
Japan
Japan

(51) C22C 38/00
B21B 3/00
C21D 8/00
C21D 9/04
C22C 38/34
C22C 38/54
B21B 1/085
C22C 38/02
C22C 38/04
C22C 38/18
(11) EP2578716
(21) EP11792438.1
(47) 11.09.2019
(87) JP2011063020
15.12.2011
(22) 07.06.2011
(54) STEEL RAIL
(73) Nippon Steel Corporation
(72) UEDA Masaharu
TAKAHASHI Jun
KOBAYASHI Akira
TANAHASHI Takuya
(31) 2010130164
(32) 07.06.2010
(33) Japan

(51) C22C 38/00
C21D 9/46
C22C 38/38
C22C 38/58
C21D 8/04
C23C 2/28
C21D 9/48
C22C 38/02
C22C 38/06
C22C 38/24
C22C 38/26
C22C 38/28
C23C 2/02
(11) EP2631314
(21) EP10858600.9
(47) 11.09.2019
(87) JP2010068258
26.04.2012
(22) 18.10.2010
(54) HOT-ROLLED, COLD-ROLLED, AND PLATED STEEL SHEET HAVING IMPROVED UNIFORM AND LOCAL DUCTILITY AT A HIGH STRAIN RATE
(73) Nippon Steel Corporation
(72) KAWANO Kaori
TANAKA Yasuaki
TOMIDA Toshiro

(51) C22C 38/00
C21D 9/46
C22C 38/40
C22C 38/54
C21D 8/02
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/42
C22C 38/44
C22C 38/46
C22C 38/48
C22C 38/50
C22C 38/52
C21D 6/00
(11) EP3318649
(21) EP15897075.6
(47) 11.09.2019
(87) JP2015003340
05.01.2017
(22) 02.07.2015
(54) MATERIAL FOR COLD-ROLLED STAINLESS STEEL SHEETS AND MANUFACTURING METHOD THEREFOR
(73) JFE Steel Corporation

(72) MIZUTANI, Akito
YOSHINO, Masataka
FUJISAWA, Mitsuyuki
KAMI, Chikara

(51) C22C 38/00
C21D 9/46
C22C 38/60
(11) EP3020839
(21) EP14822734.1
(47) 11.09.2019
(87) JP2014003605
15.01.2015
(22) 08.07.2014
(54) HIGH-CARBON HOT-ROLLED STEEL SHEET AND METHOD FOR PRODUCING THE SAME
(73) JFE Steel Corporation
(72) MIYAMOTO, Yuka
KOBAYASHI, Takashi
KAMI, Chikara
SAITO, Hayato
OKUDA, Kaneharu
(31) 2013143305
2013143307
(32) 09.07.2013
09.07.2013
(33) Japan
Japan

(51) C22C 38/00
C22C 38/42
C22C 38/46
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/50
C22C 38/48
C22C 38/44
C22C 38/54
C22C 38/52
C21D 8/02
C21D 6/00
(11) EP2617854
(21) EP11825311.1
(47) 11.09.2019
(87) JP2011071765
22.03.2012
(22) 15.09.2011
(54) HEAT-RESISTANT FERRITIC STAINLESS STEEL SHEET HAVING EXCELLENT OXIDATION RESISTANCE
(73) Nippon Steel & Sumikin Stainless Steel Corporation
(72) INOUE, Yoshiharu
HAMADA, Junichi
KANNO, Norihiro
TERAOKA, Shinichi
(31) 2010207925
(32) 16.09.2010
(33) Japan

(51) C22C 38/02
C22C 38/06
C22C 38/00
C22C 38/04
C22C 38/08
C22C 38/12
C22C 38/14
C22C 38/16
C22C 38/18
C21D 9/46
C21D 6/00
C21D 8/02
(11) EP3263728
(21) EP15883094.3
(47) 11.09.2019
(87) JP2015006347
01.09.2016
(22) 21.12.2015
(54) HIGH-STRENGTH COLD-ROLLED STEEL PLATE AND METHOD FOR PRODUCING SAME
(73) JFE Steel Corporation
(72) TAKASHIMA, Katsutoshi
FUNAKAWA, Yoshimasa
(31) 2015038506
(32) 27.02.2015
(33) Japan

(51) C22C 38/04
C21D 8/02
C23C 30/00
(11) EP2041330
(21) EP07804569.7
(47) 11.09.2019
(87) IB2007001866
17.01.2008
(22) 06.07.2007
(54) PROCESS FOR MANUFACTURING IRON-CARBON-MANGANESE AUSTENITIC STEEL SHEET WITH EXCELLENT RESISTANCE TO DELAYED CRACKING, AND SHEET THUS PRODUCED
(73) ArcelorMittal
ThyssenKrupp Steel Europe AG
(72) SCOTT, Colin
CUGY, Philippe
ALLELY, Christian
(31) 06291136
(32) 11.07.2006
(33) European Patent Office (EPO)

(51) C22C 38/06
C22C 38/58
C21D 9/46
C23C 2/06
C23C 2/28
C25D 5/26
C25D 5/36
C23C 2/40
C22C 38/04
C22C 38/02
C22C 38/00
(11) EP2508640
(21) EP10833432.7
(47) 11.09.2019
(87) JP2010071776
03.06.2011
(22) 30.11.2010
(54) HIGH-STRENGTH STEEL SHEET HAVING EXCELLENT HYDROGEN EMBRITTLEMENT RESISTANCE AND ULTIMATE TENSILE STRENGTH OF 900 MPA OR MORE, AND PROCESS FOR PRODUCTION THEREOF
(73) Nippon Steel Corporation
(72) AZUMA, Masafumi
SUZUKI, Noriyuki
MARUYAMA, Naoki
MURASATO, Akinobu
SAKUMA, Yasuharu
KAWATA, Hiroyuki
WAKABAYASHI, Chisato
(31) 2009272075
2010208328
(32) 30.11.2009
16.09.2010
(33) Japan
Japan

(51) C22C 38/34
C22C 38/26
C22C 38/30
C22C 38/22
C21D 6/00
C21D 1/18
C22C 38/04
C22C 38/24
C22C 38/02
C22C 38/00
C21D 8/00
C22C 38/40
(11) EP3263730
(21) EP16755151.4
(47) 11.09.2019
(87) JP2016053019
01.09.2016
(22) 02.02.2016
(54) HOT-WORKING TOOL AND MANUFACTURING METHOD THEREFOR
(73) Hitachi Metals, Ltd.
(72) NAKANO, Yousuke
(31) 2015035314
(32) 25.02.2015
(33) Japan

(51) C22F 1/04
B41N 1/08
C22C 21/00
(11) EP3445887
(21) EP17717202.0
(47) 11.09.2019
(87) EP2017059261
26.10.2017
(22) 19.04.2017
(54) LITHOGRAPHIC SHEET MANUFACTURING WITH HIGH COLD ROLL PASS REDUCTION
(73) Hydro Aluminium Rolled Products GmbH
(72) SETTELE, Christoph
KERNIG, Bernhard
HASENCLEVER, Jochen
STEINHOFF, Gerd
(31) 16166182
(32) 20.04.2016
(33) European Patent Office (EPO)

(51) C22F 1/04
C22F 1/06
(11) EP3384062
(21) EP16809515.6
(47) 11.09.2019
(87) GB2016053830
08.06.2017
(22) 05.12.2016
(54) METHOD OF FORMING COMPONENTS FROM SHEET MATERIAL
(73) Impression Technologies Limited
(72) FOSTER, Alistair

(31) 201521443
(32) 04.12.2015
(33) United Kingdom

(51) C23C 4/01
C23C 14/04
(11) EP3351652
(21) EP18153081.7
(47) 11.09.2019
(22) 23.01.2018
(54) APPARATUS AND METHOD FOR MASKING UNDER PLATFORM AREAS OF AIRFOIL COMPONENTS
(73) United Technologies Corporation
(72) TRZCINSKI, Frank J.
CERVONI, Andrew
ELLIOTT, Scott A.
(31) 201715412482
(32) 23.01.2017
(33) United States of America

(51) C23C 8/80
F17C 13/02
G01L 9/00
(11) EP2539475
(21) EP11707377.5
(47) 11.09.2019
(87) EP2011052727
01.09.2011
(22) 24.02.2011
(54) SELF-MONITORING COMPOSITE VESSEL FOR HIGH PRESSURE MEDIA
(73) Belenos Clean Power Holding AG
(72) MANSON, Jan-Anders Edvin
LETERRIER, Yves
WALLER, Judith
(31) PCT/IB2010/050800
(32) 24.02.2010
(33) World Intellectual Property Office (WIPO)

(51) C23C 10/48
C25D 3/44
C25D 5/50
C23C 10/30
(11) EP2551381
(21) EP11759468.9
(47) 11.09.2019
(87) JP2011057054
29.09.2011
(22) 23.03.2011
(54) METHOD FOR FORMING OXIDATION RESISTANT COATING LAYER
(73) IHI Corporation
(72) SATO Akihiro
TSUDA Yoshihiro
IWATA Hiroaki
TATENO Akira
YOSHIZAWA Hiroki
HIRATO Tetsuji
(31) 2010070244
(32) 25.03.2010
(33) Japan

(51) C23C 14/16
C23C 14/30
C23C 14/58
C21D 1/673
(11) EP2944706
(21) EP14167917.5
(47) 11.09.2019
(22) 12.05.2014
(54) Method for manufacturing a steel component by means of thermoforming from a steel sheet having a metallic coating
(73) ThyssenKrupp Steel Europe AG
thyssenkrupp AG
(72) Schuhmacher, Bernd
Schwerdt, Christian
Schrooten, Axel
Bause, Ralf

(51) C23C 16/26
C23C 16/452
C23C 16/455
C23C 16/50
C23C 16/46
C23C 16/515
C01B 32/15
(11) EP2876083
(21) EP14193445.5
(47) 11.09.2019
(22) 17.11.2014
(54) Device and method of producing nano-structures consisting of carbon
(73) Aixtron SE
(72) Blackburn, Ian
Lu, Brian
Teo, Kenneth B. K.
Rupesinghe, Nalin L.
(31) 102013112855
(32) 21.11.2013
(33) Germany

(51) C23C 16/40
C23C 16/455
C07F 7/10
(11) EP2650399
(21) EP13163586.4
(47) 11.09.2019
(22) 12.04.2013
(54) High temperature atomic layer deposition of silicon oxide thin films
(73) Versum Materials US, LLC
(72) CHANDRA, Haripin
WANG, Meiliang
XIAO, Manchao
LEI, Xinjian
PEARLSTEIN, Ronald Martin
O'NEILL, Mark Leonard
HAN, Bing
(31) 201261623217 P
201313857507
(32) 12.04.2012
05.04.2013
(33) United States of America
United States of America

(51) C23C 18/12
B05D 5/00
C23C 20/08
C23C 28/04
B32B 18/00
(11) EP2130943
(21) EP08721926.7
(47) 11.09.2019
(87) JP2008054510
02.10.2008
(22) 12.03.2008
(54) METHOD OF PREVENTING SULFIDE CORROSION, HIGH-TEMPERATURE MEMBER WITH RESISTANCE TO SULFIDE CORROSION
(73) Central Research Institute of Electric Power Industry
(72) KAWASE, Makoto
MORINAGA, Masahiko
(31) 2007080715
2007303585
(32) 27.03.2007
22.11.2007
(33) Japan
Japan

(51) C23C 18/12
B05D 5/08
C09D 5/16
C08K 5/06
B32B 17/06
B32B 17/10
(11) EP2922981
(21) EP13826841.2
(47) 11.09.2019
(87) EP2013074298
30.05.2014
(22) 20.11.2013
(54) HIGHLY ABRASION-RESISTANT ANTI-LIME LAYERS WITH HIGH CHEMICAL RESISTANCE
(73) EPG (Engineered nanoProducts Germany) AG
(72) ENDRES, Klaus
SCHMIDT, Christian
GENOLET, Luis
KUTZKY, Barbara
SCHNEIDER, Heike
(31) 102012022731
(32) 21.11.2012
(33) Germany

(51) C23C 22/00
C23F 11/00
C23C 22/73
G21C 13/087
G21C 17/022
(11) EP3093369
(21) EP14869651.1
(47) 11.09.2019
(87) RU2014000915
18.06.2015
(22) 08.12.2014
(54) METHOD FOR INNER-CONTOUR PASSIVATION OF STEEL SURFACES OF NUCLEAR REACTOR
(73) Joint Stock Company "Akme-Engineering"
(72) MARTYNOV, Petr Nikiforovich
ASKHADULLIN, Radomir Shamilievich
STOROZHENKO, Aleksey Nikolaevich
IVANOV, Konstantin Dmitrievich
LEGKIH, Aleksandr Urievich
SHARIKPULOV, Said Mirfaisovich
FILIN, Aleksandr Ivanovich
BULAVKIN, Sergey Viktorovich
(31) 2013154531
(32) 10.12.2013
(33) Russian Federation

(51) C23C 28/00
C23C 14/06
B23B 27/14
B23B 51/00
B23C 5/16
C23C 30/00
C23C 14/32

C23C 14/00
C23C 14/02
(11) EP3219420
(21) EP15858400.3
(47) 11.09.2019
(87) JP2015081832
19.05.2016
(22) 12.11.2015
(54) SURFACE-COATED CUTTING TOOL
(73) Mitsubishi Materials Corporation
(72) ASANUMA Hidetoshi
(31) 2014230307
(32) 13.11.2014
(33) Japan

(51) C23C 28/02
F01D 5/28
B23K 9/04
B23P 6/04
F01D 5/00
B23K 35/30
(11) EP2492373
(21) EP12156409.0
(47) 11.09.2019
(22) 21.02.2012
(54) Component and a method of processing a component
(73) General Electric Company
(72) Lin, Dechao
Cui, Yan
Kottilingam, Srikanth Chandrudu
Feng, Ganjiang
(31) 201113032821
(32) 23.02.2011
(33) United States of America

(51) C23C 28/04
C23C 30/00
C23C 14/30
C23C 4/129
C23C 4/134
C23C 14/08
(11) EP3320128
(21) EP16744809.1
(47) 11.09.2019
(87) FR2016051750
12.01.2017
(22) 08.07.2016
(54) PART COATED WITH A COATING FOR PROTECTION AGAINST CMAS
(73) Safran Aircraft Engines
(72) BILHE, Pascal, Fabrice
MALIE, André, Hubert, Louis
(31) 1556457
(32) 08.07.2015
(33) France

(51) C23C 30/00
C23C 28/00
B82Y 30/00
C23C 14/06
C04B 41/89
C04B 41/52
C23C 28/04
C23C 14/32
(11) EP2726648
(21) EP12737477.5
(47) 11.09.2019
(87) EP2012002673
03.01.2013
(22) 25.06.2012
(54) NANO-LAYER COATING FOR HIGH PERFORMANCE TOOLS
(73) Oerlikon Surface Solutions AG, Pfäffikon
(72) ARNDT, Mirjam
(31) 201161503038 P
(32) 30.06.2011
(33) United States of America

(51) C23F 1/00
H01J 37/32
C23C 16/455
(11) EP1741128
(21) EP05738420.8
(47) 11.09.2019
(87) US2005013582
24.11.2005
(22) 22.04.2005
(54) GAS DISTRIBUTION SYSTEM HAVING FAST GAS SWITCHING CAPABILITIES
(73) LAM RESEARCH CORPORATION
(72) HUANG, Zhisong
SAM, Jose, Tong
LENZ, Eric
DHINDSA, Rajinder
SADJADI, Reza
(31) 835175
(32) 30.04.2004
(33) United States of America

(51) C23F 13/10
C23F 13/06
(11) EP2004875
(21) EP07701806.7
(47) 11.09.2019
(87) CA2007000260
13.09.2007
(22) 21.02.2007
(54) ANODE FOR CATHODIC PROTECTION
(73) Whitmore, David W.
(72) Whitmore, David W.
(31) 2538949
(32) 07.03.2006
(33) Canada

(51) C23G 1/36
C23G 3/00
C01F 7/34
C01F 7/14
C25D 21/06
C25D 21/12
C25D 21/18
C25D 11/16
C25D 11/08
C25D 11/00
(11) EP2762611
(21) EP14153515.3
(47) 11.09.2019
(22) 31.01.2014
(54) Method for conditioning a pickling bath and anodising bath and anodising assembly
(73) König, Thomas
(72) König, Thomas
(31) 102013101005
102013101093
102013108375
(32) 31.01.2013
04.02.2013
02.08.2013
(33) Germany
Germany
Germany

(51) C25C 3/12
C22C 29/12
C25C 7/02
B22F 3/16
B22F 7/00
B22F 7/04
C04B 35/26
C04B 35/626
C22C 1/10
C22C 19/00
C22C 19/03
C22C 29/00
C25C 7/00
B22F 7/02
(11) EP3161187
(21) EP15811198.9
(47) 11.09.2019
(87) IB2015001041
30.12.2015
(22) 23.06.2015
(54) ELECTRODE MATERIAL AND USE THEREOF FOR THE MANUFACTURE OF AN INERT ANODE
(73) Elysis Limited Partnership
(72) BARTHELEMY, Christian
BOUVET, Sylvie
GABRIEL, Armand
LAURENT, Véronique
MARMOTTANT, Ariane
(31) 1401435
(32) 26.06.2014
(33) France

(51) C25C 3/12
C25C 7/02
C25C 3/16
(11) EP2853621
(21) EP14190713.9
(47) 11.09.2019
(22) 04.03.2004
(54) Mechanical attachment of electrical current conductor to inert anodes
(73) Elysis Limited Partnership
(72) D'Astolfo, JR., LeRoy E.
(31) 405510
(32) 02.04.2003
(33) United States of America

(51) C25C 7/02
C25C 3/34
C25C 7/00
(11) EP2794960
(21) EP12850734.0
(47) 11.09.2019
(87) US2012058531
25.07.2013
(22) 03.10.2012
(54) CATHODE POWER DISTRIBUTION SYSTEM AND METHOD OF USING THE SAME FOR POWER DISTRIBUTION
(73) Ge-Hitachi Nuclear Energy Americas LLC
(72) WILLIAMSON, Mark, A.
WIEDMEYER, Stanley, G.
KOEHL, Eugene, R.
BAILEY, James, L.
WILLIT, James, L.
BARNES, Laurel, A.
BLASKOVITZ, Robert, J.
(31) 201113335121
(32) 22.12.2011

(33) United States of America

(51) C25D 3/54
C25D 5/12
(11) EP3272912
(21) EP17181755.4
(47) 11.09.2019
(22) 17.07.2017
(54) INDIUM ELECTROPLATING COMPOSITIONS CONTAINING AMINE COMPOUNDS AND METHODS OF ELECTROPLATING INDIUM
(73) Rohm and Haas Electronic Materials LLC
(72) QIN, Yi
FLAJSLIK, Kristen
LEFEBVRE, Mark
(31) 201662363550 P
(32) 18.07.2016
(33) United States of America

(51) C25D 3/66
C25D 3/54
H01M 4/04
H01M 4/139
(11) EP3358046
(21) EP17208143.2
(47) 11.09.2019
(22) 29.11.2012
(54) METHOD FOR LITHIATING ANODES
(73) Nanoscale Components, Inc.
(72) Grant, Robert W.
Sweetland, Matthew
Acharige, Asela, Maha
(31) 201161565580 P
201261662115 P
(32) 01.12.2011
20.06.2012
(33) United States of America
United States of America

(51) C25D 13/20
C23C 22/34
C25D 13/06
C23C 22/36
C09D 5/44
C23C 22/83
(11) EP3029179
(21) EP14832983.2
(47) 11.09.2019
(87) JP2014070098
05.02.2015
(22) 30.07.2014
(54) METHOD FOR FORMING MULTI-LAYERED COATING FILM
(73) KANSAI PAINT CO., LTD.
(72) NEMOTO, Yukihiro
(31) 2013160799
2013167905
2014092911
(32) 01.08.2013
12.08.2013
28.04.2014
(33) Japan
Japan
Japan

(51) C25F 3/16
C25F 3/18
(11) EP3269848
(21) EP16179270.0
(47) 11.09.2019
(22) 13.07.2016
(54) A METHOD FOR THE SURFACE FINISHING OF METALS AND ALLOYS
(73) Airbus Defence and Space GmbH
(72) REICHELT Sarah
MERTENS Tobias Dr.
BANRY Thibaud

(51) C30B 15/04
C30B 15/20
C30B 29/06
H01L 21/322
C30B 25/20
(11) EP3428325
(21) EP17180551.8
(47) 11.09.2019
(22) 10.07.2017
(54) SEMICONDUCTOR WAFER MADE OF SINGLE-CRYSTAL SILICON AND PROCESS FOR THE PRODUCTION THEREOF
(73) Siltronic AG
(72) Müller, Timo
Sattler, Andreas
Kretschmer, Robert
Kissinger, Gudrun
Kot, Dawid

(51) D01D 5/253
A24D 3/00
D01F 2/28
D01D 5/36
(11) EP3161191
(21) EP15735819.3
(47) 11.09.2019
(87) US2015037583
30.12.2015
(22) 25.06.2015
(54) ARTICLE COMPRISING A CELLULOSE ACETATE TOW BAND, METHOD FOR THE PRODUCTION THEREOF, METHOD FOR CHARACTERIZING A FIBRE SAMPLE COLLECTED FROM THE ARTICLE
(73) Eastman Chemical Company
(72) MCLEOD, Andrew, Ervin
GAYNOR, Scott, Gregory
WILSON, Steven, Anthony
SALYER, Lydia, Juanita
COLLAZO, Humberto
RENFRO, Larry, Wayne
STEACH, Jeremy, Kenneth
SEILER, Brian, Douglas
(31) 201462018182 P
201562105011 P
201562160930 P
201514748749
201514748745
201514748743
201514748738
(32) 27.06.2014
19.01.2015
13.05.2015
24.06.2015
24.06.2015
24.06.2015
24.06.2015
(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) D01H 1/115
(11) EP2949793
(21) EP15165786.3
(47) 11.09.2019
(22) 29.04.2015
(54) SPINNING MACHINE AND SPINNING METHOD
(73) Murata Machinery, Ltd.
(72) AKIMOTO, Masahiro
OKA, Masaki
(31) 2014108287
(32) 26.05.2014
(33) Japan

(51) D01H 5/86
D01H 5/88
(11) EP2980286
(21) EP15177662.2
(47) 11.09.2019
(22) 21.07.2015
(54) ROLLER STRETCHING ASSEMBLY OF A WORKSTATION OF A TEXTILE MACHINE THAT PROCESSES STAPLE FIBRES AND TEXTILE MACHINE USING THE SAME
(73) Deutsche Institute für Textil- und Faserforschung Denkendorf
(72) Artzt, Peter, Dr.
Grün, Theo
Heitmann, Uwe
(31) 102014110950
(32) 01.08.2014
(33) Germany

(51) D01H 13/16
D01H 13/22
D02G 3/36
(11) EP2966203
(21) EP15154879.9
(47) 11.09.2019
(22) 12.02.2015
(54) Spinning machine and spinning method
(73) Murata Machinery, Ltd.
(72) Akimoto, Masahiro
Sawada, Harutoshi
(31) 2014122176
(32) 13.06.2014
(33) Japan

(51) D02J 1/18
B29B 15/12
(11) EP3268520
(21) EP16720546.7
(47) 11.09.2019
(87) IB2016000392
15.09.2016
(22) 10.03.2016
(54) SPREADER ELEMENT FOR MANUFACTURING UNIDIRECTIONAL FIBER-REINFORCED TAPES
(73) Fibre Reinforced Thermoplastics B.V.
(72) PRINS, Rinus
DE WEERD, Gerard
(31) 201562131002 P
(32) 10.03.2015
(33) United States of America

(51) D03D 47/00

D03D 47/30
(11) EP3323920
(21) EP17200757.7
(47) 11.09.2019
(22) 09.11.2017
(54) WEFT TRAVELING CONDITION DETECTION APPARATUS IN AIR JET LOOM
(73) Kabushiki Kaisha Toyota Jidoshokki
(72) MAKINO, Yoichi
MATSUKI, Yohei
(31) 2016224931
(32) 18.11.2016
(33) Japan

(51) D03D 49/20
(11) EP2918712
(21) EP15157933.1
(47) 11.09.2019
(22) 06.03.2015
(54) METHOD FOR CONTROLLING WINDING A WOVEN CLOTH AND APPARATUS FOR WINDING A WOVEN CLOTH IN LOOM
(73) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
(72) Kakehashi, Norio
Hamaguchi, Masataka
(31) 2014048516
2014108661
(32) 12.03.2014
27.05.2014
(33) Japan
Japan

(51) D03D 49/70
D03D 47/12
D03D 47/38
(11) EP2732086
(21) EP12731447.4
(47) 11.09.2019
(87) EP2012062833
17.01.2013
(22) 02.07.2012
(54) DEVICE AND METHOD FOR CLAMPING A WEFT THREAD
(73) Picanol
(72) VERCLYTE, Eddy
HOORELBEKE, Wim
COULEMBIER, Ronny
(31) 201100444
(32) 12.07.2011
(33) Belgium

(51) D04B 1/10
D04B 1/24
D02G 3/38
(11) EP2909368
(21) EP13785542.5
(47) 11.09.2019
(87) FR2013052413
24.04.2014
(22) 10.10.2013
(54) BLANK AND TUBULAR KNIT ARTICLE WITH SINGLE THICKNESS STAY-UP HEM, AND METHOD OF MAKING THIS ARTICLE
(73) Hanes Operations Europe SAS
(72) GARCON, Gilles
MASSOTTE, Laurent
(31) 1259871
(32) 16.10.2012
(33) France

(51) D04B 1/18
D04B 1/22
F16F 7/108
F16F 1/362
(11) EP3034904
(21) EP15198786.4
(47) 11.09.2019
(22) 10.12.2015
(54) KNITTED ELASTOMERIC VIBRATORY DAMPING APPARATUS
(73) ITT Manufacturing Enterprises LLC
(72) OTT, Mark J.
(31) 201414574631
(32) 18.12.2014
(33) United States of America

(51) D04B 9/06
(11) EP2028305
(21) EP08012688.1
(47) 11.09.2019
(22) 14.07.2008
(54) Double bevel type double-knit circular knitting machine
(73) Top Will Machinery Co., Ltd.
(72) Hu, Ching Sung
(31) 96131182
(32) 23.08.2007
(33) Taiwan, Province of China

(51) D04B 15/90
(11) EP2961874
(21) EP14715723.4
(47) 11.09.2019
(87) US2014018833
04.09.2014
(22) 27.02.2014
(54) INDEPENDENTLY CONTROLLED ROLLERS FOR TAKE-DOWN ASSEMBLY OF KNITTING MACHINE
(73) NIKE Innovate C.V.
(72) MEIR, Adrian
PODHAJNY, Daniel, A.
(31) 201313781514
(32) 28.02.2013
(33) United States of America

(51) D04B 21/10
(11) EP2999814
(21) EP13745908.7
(47) 11.09.2019
(87) IT2013000141
27.11.2014
(22) 20.05.2013
(54) WARP KNIT NET, METHOD OF MAKING SAME AND APPARATUS THEREFORE
(73) Retificio Ribola Giovanni S.n.c.
(72) RIBOLA, Enrico
RIBOLA, Igor

(51) D04C 7/00
D04D 1/02
(11) EP2975166
(21) EP15275172.3
(47) 11.09.2019
(22) 13.07.2015
(54) WRAPPING APPARATUS AND METHOD
(73) Fuse London Ltd.
(72) Morris, Oliver
Laguatan, Roseld V
Allen, James
(31) 201412502
201505044
(32) 14.07.2014
25.03.2015
(33) United Kingdom
United Kingdom

(51) D04H 1/4291
D04H 1/544
D04H 1/56
D04H 3/007
D04H 3/16
C08F 8/50
(11) EP3257988
(21) EP16174131.9
(47) 11.09.2019
(22) 13.06.2016
(54) HIGH QUALITY MELT-BLOWN WEBS WITH IMPROVED BARRIER PROPERTIES
(73) Borealis AG
(72) Steiner, Lisa Maria
Hubner, Gerhard
Wang, Jingbo
Gahleitner, Markus
Grestenberger, Georg
Fiebig, Joachim

(51) D04H 18/02
(11) EP3368712
(21) EP16791339.1
(47) 11.09.2019
(87) EP2016075336
04.05.2017
(22) 21.10.2016
(54) NEEDLE REMOVING TOOL, NEEDLE REMOVING DEVICE, AND NEEDLE REMOVING METHOD
(73) AUTEFA Solutions Germany GmbH
(72) SCHNEIDER, Jan
(31) 202015105693 U
(32) 26.10.2015
(33) Germany

(51) D06C 3/00
D06F 67/04
(11) EP3181748
(21) EP15828174.1
(47) 11.09.2019
(87) JP2015003519
04.02.2016
(22) 13.07.2015
(54) CLOTH SPREADING DEVICE
(73) Purex Co., Ltd.
(72) TANII, Tomoyuki
(31) 2014156121
(32) 31.07.2014
(33) Japan

(51) D06F 3/04
A46B 11/00
A47L 25/08
(11) EP3365486
(21) EP16790900.1
(47) 11.09.2019
(87) EP2016074700
27.04.2017
(22) 14.10.2016
(54) AN APPLICATOR DEVICE FOR FLUIDS
(73) Unilever N.V.
(72) NETHAJI, Alagirisamy

SAMBAMURTHY JAYARAMAN, Suresh
RASTOGI, Abhishek
THIRUMENI, Dhanalakshmi
(31) 15190576
(32) 20.10.2015
(33) European Patent Office (EPO)

(51) D06F 33/02
D06F 39/00
(11) EP2454408
(21) EP10728237.8
(47) 11.09.2019
(87) EP2010059538
20.01.2011
(22) 05.07.2010
(54) METHOD AND DEVICE FOR CHOOSING AND SELECTING WASHING PROGRAMS
(73) BSH Hausgeräte GmbH
(72) GEYER, Johannes
(31) 102009027780
(32) 16.07.2009
(33) Germany

(51) D06F 39/00
D06F 39/08
D06F 37/12
D06F 37/20
(11) EP3051017
(21) EP16153331.0
(47) 11.09.2019
(22) 29.01.2016
(54) METHOD OF CONTROLLING WASHING MACHINE
(73) LG Electronics Inc.
(72) KIM, Kyunghoon
CHO, Younghan
CHOI, Moonsuk
(31) 20150016105
(32) 02.02.2015
(33) Korea (Republic)

(51) D06F 39/08
D06F 39/00
(11) EP2781642
(21) EP13159873.2
(47) 11.09.2019
(22) 19.03.2013
(54) Washing machine with water storage tank
(73) WHIRLPOOL CORPORATION
(72) Civanelli, Claudio
Martinello, Daniele
Cagliani, Marco

(51) D06F 39/12
(11) EP3369857
(21) EP18159311.2
(47) 11.09.2019
(22) 28.02.2018
(54) APPARATUS FOR TREATING LAUNDRY
(73) LG Electronics Inc.
(72) CHOI, Wooje
(31) 20170026798
(32) 28.02.2017
(33) Korea (Republic)

(51) D06F 58/00
D06F 58/04
D06F 58/10
D06F 58/28
D06F 21/00
D06F 29/00
F26B 13/10
(11) EP3409826
(21) EP17182170.5
(47) 11.09.2019
(22) 19.07.2017
(54) LAUNDRY TREATING APPARATUS
(73) LG Electronics Inc.
(72) LEE, Haewoong
KIM, Seonghwan
BAE, Jinwoo
(31) 20170068997
(32) 02.06.2017
(33) Korea (Republic)

(51) D06F 58/20
(11) EP3241943
(21) EP16168076.4
(47) 11.09.2019
(22) 03.05.2016
(54) HOUSEHOLD APPLIANCE COMPRISING A WATER/PROCESS AIR HEAT EXCHANGER
(73) BSH Hausgeräte GmbH
BSH Electrodomésticos España, S.A.
(72) Capablo Sese, Joaquin Jesus
San Martin Sancho, Roberto

(51) D06F 58/20
D06F 58/28
(11) EP3315654
(21) EP17187005.8
(47) 11.09.2019
(22) 21.08.2017
(54) DRYER
(73) Oriental System Technology Inc.
(72) HUANG, Chen-Tang
WANG, Chein-Hsun
YU, Chein-Hsing
KU, Jenping
YANG, Ming-Tsung
(31) 201610929733
(32) 31.10.2016
(33) China

(51) D06F 58/20
D06F 58/28
(11) EP2466000
(21) EP11192501.2
(47) 11.09.2019
(22) 08.12.2011
(54) Heat pump type clothes dryer with secondary blowing mechanism
(73) Samsung Electronics Co., Ltd.
(72) Wakizaka, Eiji
(31) 2010278379
(32) 14.12.2010
(33) Japan

(51) D06F 67/00
(11) EP3380663
(21) EP15800842.5
(47) 11.09.2019
(87) EP2015077664
01.06.2017
(22) 25.11.2015
(54) IRONING MACHINE
(73) Electrolux Laundry Systems France SNC
(72) MAZIÈRE, André
MAYEUR, Oscar

(51) D06F 75/12
D06F 75/38
(11) EP3186432
(21) EP15744228.6
(47) 11.09.2019
(87) EP2015067498
03.03.2016
(22) 30.07.2015
(54) A STEAM IRON HEAD
(73) Koninklijke Philips N.V.
(72) DATE, Milind Vishwas
(31) 14182183
(32) 26.08.2014
(33) European Patent Office (EPO)

(51) D06F 75/24
(11) EP2076621
(21) EP07826585.7
(47) 11.09.2019
(87) IB2007053956
03.04.2008
(22) 28.09.2007
(54) INDUCTION IRONING SYSTEM
(73) Koninklijke Philips N.V.
(72) JANAKIRAMAN, Chandra Mohan
BURG, Job Van Der
JIANG, Yong
PLANTINGA, Ronald Albert
(31) 06121521
(32) 29.09.2006
(33) European Patent Office (EPO)

(51) D06M 17/00
D03D 11/00
B29C 65/48
B29L 31/48
B29C 65/52
B29C 65/62
B29C 65/72
B29C 65/00
B32B 7/12
B32B 37/10
B32B 37/12
B32B 37/20
B32B 38/06
B32B 38/18
B29C 65/02
B29C 65/04
B32B 5/02
B32B 33/00
B32B 37/00
(11) EP3202973
(21) EP15846831.4
(47) 11.09.2019
(87) KR2015006779
07.04.2016
(22) 01.07.2015
(54) APPARATUS FOR MANUFACTURING DOUBLE-LAYER FABRIC FOR DOWN PRODUCTS HAVING PATTERN JOINING LINE FORMED BY HIGH-FREQUENCY BONDING
(73) Hojeon Limited
(72) PARK, Young Chul
CHAE, Soo Han
(31) 20140132529
(32) 01.10.2014
(33) Korea (Republic)

(51) D06N 5/00
E04D 3/34
E04D 5/02
(11) EP3099853

(21) EP15704064.3
(47) 11.09.2019
(87) FR2015050159
06.08.2015
(22) 22.01.2015
(54) METHOD FOR PRODUCING A COVERING ELEMENT MADE FROM FIBRES IMPREGNATED WITH BITUMEN HAVING IMPROVED FIRE PROPERTIES
(73) Onduline
(72) TOKDEMIR, Eyup
SAKIOGLU, Ethem
(31) 1400213
(32) 28.01.2014
(33) France

(51) D07B 1/02
D07B 5/00
(11) EP3215671
(21) EP15787576.6
(47) 11.09.2019
(87) EP2015075032
12.05.2016
(22) 28.10.2015
(54) ROPE MADE OF TEXTILE FIBRE MATERIAL
(73) Teufelberger Fiber Rope GmbH
(72) KIRTH, Rudolf
ERNST, Björn
RÜHRNÖSSL, Erich
TRAXL, Robert
BALDINGER, Peter
KAISER, Gunter
(31) 508082014
(32) 05.11.2014
(33) Austria

(51) D21B 1/02
D21B 1/32
D21B 1/34
(11) EP3420131
(21) EP17705139.8
(47) 11.09.2019
(87) EP2017053394
31.08.2017
(22) 15.02.2017
(54) ROTATING DRUM FOR TREATING FIBROUS MATERIAL
(73) Voith Patent GmbH
(72) BADER, Johannes
BARETH, Christoph
SCHUSTER, Sebastian
(31) 102016202978
(32) 25.02.2016
(33) Germany

(51) D21C 1/00
B30B 9/02
B30B 9/12
B30B 9/14
B30B 9/26
D21C 7/06
(11) EP3354793
(21) EP17209902.0
(47) 11.09.2019
(22) 22.12.2017
(54) DEVICE FOR DEWATERING POURABLE OR FLOWABLE MATERIAL
(73) Andritz AG
(72) SEIDL, Clemens
(31) 500592017
(32) 27.01.2017
(33) Austria

(51) D21D 1/30
(11) EP2732093
(21) EP12737459.3
(47) 11.09.2019
(87) US2012046651
17.01.2013
(22) 13.07.2012
(54) COUNTER-ROTATING REFINER HAVING REFINING PLATE SEGMENTS WITH CURVED BARS HAVING SERRATED LEADING EDGES
(73) Andritz, Inc.
(72) GINGRAS, Luc
(31) 201161507450 P
201213547144
(32) 13.07.2011
12.07.2012
(33) United States of America
United States of America

(51) D21D 5/02
(11) EP3411522
(21) EP16797527.5
(47) 11.09.2019
(87) EP2016077749
10.08.2017
(22) 15.11.2016
(54) ROTOR BLADE, AND SCREEN COMPRISING A ROTOR BLADE
(73) Andritz AG
(72) GSCHEIDER, Alexander
HERTL, Erwin
(31) 500632016
(32) 03.02.2016
(33) Austria

(51) D21D 5/16
D21D 5/02
(11) EP2780505
(21) EP12779044.2
(47) 11.09.2019
(87) EP2012071140
23.05.2013
(22) 25.10.2012
(54) SCREEN
(73) Voith Patent GmbH
(72) BRETTSCHNEIDER, Werner
(31) 102011086428
202011108856 U
(32) 16.11.2011
06.12.2011
(33) Germany
Germany

(51) D21H 23/56
D21H 25/06
D21H 17/60
D21H 19/18
G03G 9/087
(11) EP2960368
(21) EP15171395.5
(47) 11.09.2019
(22) 10.06.2015
(54) SYSTEM AND METHOD FOR FORMING HYDROPHOBIC STRUCTURES IN A POROUS SUBSTRATE
(73) Xerox Corporation
(72) O'Neil, Jason
Zhou, Jing
Kanungo, Mandakini
Jia, Nancy Y.
McConville, Paul J.
Hong, Wei
(31) 201414311909
(32) 23.06.2014
(33) United States of America

(51) E01B 17/00
E01B 26/00
(11) EP3363949
(21) EP18020068.5
(47) 11.09.2019
(22) 16.02.2018
(54) METHOD AND DEVICE FOR THE INTERRUPTION OF A TRACK BARRIER
(73) WSO Warnsysteme und Sicherungstechnische Organisation Fahrweg GmbH
(72) SCHERER, Axel
FRIEDRICHS, Reinhard
(31) 102017103285
(32) 17.02.2017
(33) Germany

(51) E01B 27/16
(11) EP3337927
(21) EP16745621.9
(47) 11.09.2019
(87) EP2016001281
02.03.2017
(22) 22.07.2016
(54) TAMPING UNIT
(73) Plasser & Theurer Export von Bahnbaumaschinen Gesellschaft m.b.H.
(72) HÖFLER, Florian
(31) 5552015
(32) 21.08.2015
(33) Austria

(51) E01B 31/17
B24D 7/10
B24B 19/00
B24B 23/02
(11) EP3426843
(21) EP18726140.9
(47) 11.09.2019
(87) EP2018063186
29.11.2018
(22) 18.05.2018
(54) RAIL-GRINDING MACHINE WHICH CAN BE DISPLACED MANUALLY ON THE RAILS OF A TRACK
(73) Robel Bahnbaumaschinen GmbH
(72) KAMML, Dieter Ludwig
(31) 202017103078 U
(32) 22.05.2017
(33) Germany

(51) E01C 7/18
C08L 95/00
E01C 7/00
C04B 26/02
(11) EP2539511
(21) EP11748090.5
(47) 11.09.2019
(87) US2011026121
01.09.2011
(22) 24.02.2011
(54) HOT APPLIED TACK COAT
(73) Blacklidge Emulsions, Inc.

(72) BLACKLIDGE, Roy B.
(31) 307749 P
(32) 24.02.2010
(33) United States of America

(51) E01C 11/08
E01C 11/10
E01C 11/14
E04F 15/14
E04B 1/68
E04C 5/16
(11) EP2946037
(21) EP14705552.9
(47) 11.09.2019
(87) GB2014050114
24.07.2014
(22) 16.01.2014
(54) APPARATUS FOR FORMING A JOINT
(73) Spurrell, Shaun Anthony
(72) Spurrell, Shaun Anthony
(31) 201300928
(32) 18.01.2013
(33) United Kingdom

(51) E01F 8/02
(11) EP3322855
(21) EP16739416.2
(47) 11.09.2019
(87) EP2016001247
19.01.2017
(22) 16.07.2016
(54) WALL AND FUNCTIONAL ELEMENT FOR REDUCING FINE DUST POLLUTION
(73) Ed. Züblin Aktiengesellschaft
(72) KUGLER, Andreas
(31) 102015009275
(32) 16.07.2015
(33) Germany

(51) E01H 10/00
(11) EP3356604
(21) EP16775681.6
(47) 11.09.2019
(87) EP2016073331
06.04.2017
(22) 29.09.2016
(54) GRITTING DEVICE
(73) Aebi Schmidt Nederland BV
(72) PAUWELS, Richard
(31) 102015116686
(32) 01.10.2015
(33) Germany

(51) E02B 3/26
B63B 59/02
(11) EP3250759
(21) EP16743789.6
(47) 11.09.2019
(87) SE2016050028
04.08.2016
(22) 19.01.2016
(54) FENDER SYSTEM
(73) AB Halmstads Gummifabrik
(72) MALMBERG, Mats
(31) 1550077
(32) 26.01.2015
(33) Sweden

(51) E02D 3/054
(11) EP3237687
(21) EP15823601.8
(47) 11.09.2019
(87) EP2015080735
30.06.2016
(22) 21.12.2015
(54) VIBRATION DAMPER FOR A COUPLING JOINT OF A DEPTH VIBRATOR
(73) Rsm Ingenieure GmbH + Willi Meyer Bauunternehmen GmbH in GbR
(72) SCHNEIDER, Albert
(31) 102014019138
(32) 23.12.2014
(33) Germany

(51) E02D 5/80
F24S 25/61
F24S 25/617
(11) EP3108187
(21) EP15712030.4
(47) 11.09.2019
(87) AT2015000024
27.08.2015
(22) 13.02.2015
(54) ANCHORING DEVICE
(73) Hilber, Franz
(72) Hilber, Franz
(31) 722014 U
(32) 18.02.2014
(33) Austria

(51) E02D 13/04
E02D 13/00
E02D 27/52
(11) EP3214226
(21) EP17166530.0
(47) 11.09.2019
(22) 01.02.2013
(54) METHOD AND DEVICE FOR ACOUSTIC INSULATION
(73) Weyres, Bernhard
(72) Weyres, Bernhard
(31) 102012202132
(32) 13.02.2012
(33) Germany

(51) E02D 27/02
E04G 17/06
(11) EP3363953
(21) EP17156581.5
(47) 11.09.2019
(22) 17.02.2017
(54) HOLDER FOR A DISTANCE ROD AND PANEL FOR A FORMWORK AND/OR ISOLATION OF A STRIP FOUNDATION WITH SUCH A SUPPORT
(73) Wendlandt, Jörg
(72) Wendlandt, Jörg

(51) E02F 5/10
H02G 1/06
(11) EP3327204
(21) EP17201492.0
(47) 11.09.2019
(22) 14.11.2017
(54) RELOCATION DEVICE FOR LAYING FLEXIBLE STRAND MATERIAL IN THE GROUND
(73) Föckersperger, Walter
(72) Föckersperger, Walter
(31) 202016106622 U
(32) 28.11.2016
(33) Germany

(51) E02F 9/12
E02F 9/20
E02F 9/22
F15B 21/14
F15B 20/00
(11) EP3026272
(21) EP14829246.9
(47) 11.09.2019
(87) JP2014069527
29.01.2015
(22) 24.07.2014
(54) ENERGY REGENERATION SYSTEM FOR CONSTRUCTION EQUIPMENT
(73) Hitachi Construction Machinery Co., Ltd.
(72) OOKI, Takatoshi
HIJIKATA, Seiji
(31) 2013153889
(32) 24.07.2013
(33) Japan

(51) E02F 9/22
F15B 13/02
F15B 13/04
F15B 11/08
F15B 13/043
F16K 31/383
(11) EP3138964
(21) EP14891075.5
(47) 11.09.2019
(87) KR2014003791
05.11.2015
(22) 29.04.2014
(54) FLOW CONTROL VALVE FOR CONSTRUCTION EQUIPMENT
(73) Volvo Construction Equipment AB
(72) JEON, Man-Seuk

(51) E02F 9/22
F16F 9/54
F16B 5/02
F16B 9/02
(11) EP3220005
(21) EP15858693.3
(47) 11.09.2019
(87) JP2015080336
19.05.2016
(22) 28.10.2015
(54) DEVICE MOUNTING STRUCTURE
(73) KYB-YS CO., LTD.
(72) KOBAYASHI, Nobuyuki
SATOU, Shinji
(31) 2014231921
(32) 14.11.2014
(33) Japan

(51) E03B 3/06
B65D 90/00
E03B 11/02
(11) EP2622143
(21) EP11830017.7
(47) 11.09.2019
(87) US2011054352
05.04.2012
(22) 30.09.2011
(54) DEVICE FOR CAUSING TURBULENT FLOW IN A TANK ASSEMBLY
(73) AMTROL Licensing Inc.
(72) BARETTA, David, III
VAN HAAREN, Christopher, A.
(31) 201113135041
924652

(32) 23.06.2011
01.10.2010
(33) United States of America
United States of America

(51) E03C 1/02
(11) EP3268545
(21) EP16713289.3
(47) 11.09.2019
(87) EP2016000411
15.09.2016
(22) 07.03.2016
(54) TAP WITH ESCUTCHEON
(73) Grohe AG
(72) PHILIPPS-LIEBICH, Hartwig
LOI, Thomas
VOREL, Thomas
(31) 102015002896
(32) 09.03.2015
(33) Germany

(51) E03C 1/02
(11) EP3222786
(21) EP17159971.5
(47) 11.09.2019
(22) 09.03.2017
(54) WALL INSTALLATION BOX
(73) Franke Aquarotter GmbH
(31) 102016105451
(32) 23.03.2016
(33) Germany

(51) E03C 1/02
E04G 21/18
(11) EP2522782
(21) EP12167587.0
(47) 11.09.2019
(22) 10.05.2012
(54) Position adjustment device for the installation of plumbing components
(73) Erdelyi, Ladislav
(72) Erdelyi, Ladislav
(31) 500592011 U
500442012 U
(32) 11.05.2011
10.05.2012
(33) Slovakia
Slovakia

(51) E03C 1/04
(11) EP3048206
(21) EP15193989.9
(47) 11.09.2019
(22) 10.11.2015
(54) FAUCET INSTALLING ASSEMBLY
(73) Globe Union Industrial Corp.
(72) Lin, Yiping
Li, Chunhung
Yuan, Chuahua
(31) 201520045074 U
(32) 22.01.2015
(33) China

(51) E03C 1/04
(11) EP3061876
(21) EP16000261.4
(47) 11.09.2019
(22) 03.02.2016
(54) SANITARY FITTING WITH EXTRACTABLE SHOWER HEAD
(73) Grohe AG
(72) Faust, Günter
(31) 102015002590
(32) 27.02.2015
(33) Germany

(51) E03D 9/00
A61L 2/00
E03D 9/02
A61L 2/14
(11) EP3070211
(21) EP15382126.9
(47) 11.09.2019
(22) 18.03.2015
(54) STERILIZING DEVICE AND METHOD FOR A TOILET
(73) Aero Engineering, S.L.
(72) Becerril Ruiz, Jose Luis
Hernandez Diaz, David
Martos Ferreira, David

(51) E03D 11/14
E03C 1/322
(11) EP3296474
(21) EP17190273.7
(47) 11.09.2019
(22) 11.09.2017
(54) FIXING DEVICE FOR A WALL-HUNG ITEM OF SANITARYWARE AND FIXING ARRANGEMENT
(73) fischerwerke GmbH & Co. KG
(72) Mazzucato, Federico
Martini, Michele
(31) 102016117717
(32) 20.09.2016
(33) Germany

(51) E03F 3/04
F16L 9/12
F16L 1/10
F16L 1/038
F16L 1/036
(11) EP2588787
(21) EP11740967.2
(47) 11.09.2019
(87) GB2011000978
05.01.2012
(22) 30.06.2011
(54) DRAINAGE PIPES
(73) Polypipe Limited
(72) RAMELLA, Stuart Edward Alan
FAIRBROTHER, Michael
(31) 201011042
(32) 30.06.2010
(33) United Kingdom

(51) E03F 3/06
B29L 23/00
B29K 67/00
B29C 63/34
F16L 55/179
F16L 55/165
B29C 63/00
(11) EP3030821
(21) EP14834362.7
(47) 11.09.2019
(87) FI2014050586
12.02.2015
(22) 18.07.2014
(54) METHOD FOR INSTALLING RENOVATION LINER TO PIPEWORK
(73) Picote Oy Ltd
(72) LOKKINEN, Mika
(31) 20135818
(32) 06.08.2013
(33) Finland

(51) E03F 5/22
E03F 5/02
(11) EP2639368
(21) EP13156762.0
(47) 11.09.2019
(22) 26.02.2013
(54) Floor insert for shaft constructions
(73) KSB SE & Co. KGaA
(72) Becker, Michael
Deutsch, Karl-Heinz
Emmrich, Patrik
Schmidt, Eckart
(31) 102012203818
(32) 12.03.2012
(33) Germany

(51) E04B 1/61
E04B 2/08
(11) EP3359754
(21) EP16805334.6
(47) 11.09.2019
(87) EP2016078337
01.06.2017
(22) 21.11.2016
(54) COMPONENT AND PRODUCTION METHOD
(73) Schilcher, Josef
(72) Schilcher, Josef
(31) 34815 U
(32) 26.11.2015
(33) Austria

(51) E04B 1/98
E04B 1/36
(11) EP2302144
(21) EP10184088.2
(47) 11.09.2019
(22) 09.05.2002
(54) Frictional damper for damping movement of structures
(73) Damptech A/S
(72) Mualla, Imad H.
(31) 200100728
200101579
(32) 09.05.2001
26.10.2001
(33) Denmark
Denmark

(51) E04B 5/26
(11) EP2400074
(21) EP11171118.0
(47) 11.09.2019
(22) 23.06.2011
(54) Floor block and modular floor element
(73) Vinci, Salvatore
(72) Vinci, Salvatore
(31) MI20101140
(32) 23.06.2010
(33) Italy

(51) E04B 5/38
E04G 15/06
E04B 5/48
B28B 23/00
(11) EP3249127
(21) EP17160117.2
(47) 11.09.2019
(22) 09.03.2017

(54) PRE-SLAB COMPRISING AT LEAST ONE INCLUSION AND METHOD FOR MANUFACTURING A FLOOR USING SUCH A PRE-SLAB
(73) KP1
(72) ABRIC, Laurent
BENOIT, Yuraïma
MAHE, Benjamin
GARCIA, Richard
HAOUR, Thierry
ESTEVENIN, Eric
(31) 1654756
(32) 27.05.2016
(33) France

(51) E04D 1/34
(11) EP3172388
(21) EP15741190.1
(47) 11.09.2019
(87) EP2015066831
28.01.2016
(22) 23.07.2015
(54) RETAINING CLIP FOR A ROOFING SYSTEM WITH WIND DRAG PROTECTION
(73) Eternit GmbH
(72) HARTMANN, Florian
STUMPE, Sven
DOOREY, Colin
HESKETH, Mark
(31) 102014011027
(32) 24.07.2014
(33) Germany

(51) E04D 13/03
E04D 13/035
E05F 7/00
E06B 3/54
(11) EP3299534
(21) EP17190700.9
(47) 11.09.2019
(22) 12.09.2017
(54) SKYLIGHT
(73) Roto Frank DST Marken GmbH & Co. KG
(72) Varga, Robert
Binder, Reinhard
Jakobczak, Sylwester
(31) 102016218262
(32) 22.09.2016
(33) Germany

(51) E04F 11/06
(11) EP2526239
(21) EP11706958.3
(47) 11.09.2019
(87) PL2011000005
21.07.2011
(22) 12.01.2011
(54) Foldable stairs embedded in a frame
(73) FAKRO PP Spolka z ograniczona odpowiedzialnoscia
(72) KRASINSKI, Boguslaw
KACZMARSKI, Bernard
(31) 39022010
(32) 18.01.2010
(33) Poland

(51) E04F 11/06
(11) EP2578768
(21) EP12006941.4
(47) 11.09.2019
(22) 05.10.2012
(54) Foldable stairs of 3 or 4 segments
(73) FAKRO PP Spolka z o.o.
(72) Kasinski, Boguslaw
(31) 39656211
(32) 06.10.2011
(33) Poland

(51) E04F 11/18
E06B 3/54
(11) EP3372748
(21) EP18157463.3
(47) 11.09.2019
(22) 19.02.2018
(54) PANEL SUPPORT APPARATUS
(73) Logli Massimo S.P.A.
(72) PALAI, Matteo
PIAZZINI, Samuele
(31) 201700024918
(32) 07.03.2017
(33) Italy

(51) E04F 13/00
E04F 13/08
E04F 13/12
E04B 1/80
E04C 2/296
E04C 2/292
E04C 2/38
(11) EP3271526
(21) EP16715465.7
(47) 11.09.2019
(87) EP2016055576
22.09.2016
(22) 15.03.2016
(54) COVERING PANEL FOR EXTERNAL BUILDING FACES
(73) Dell'Innocenti Lamiere S.R.L.
(72) DELL'INNOCENTI, Diego
DELL'INNOCENTI, Davide
DELL'INNOCENTI, Sergio
(31) TO20150169
(32) 16.03.2015
(33) Italy

(51) E04F 13/08
E04F 13/18
E04F 15/02
(11) EP2634325
(21) EP13157473.3
(47) 11.09.2019
(22) 01.03.2013
(54) Method for mounting wall panels
(73) Reco Surfaces Limited
(72) Fleet, Charles
(31) 201203707
(32) 02.03.2012
(33) United Kingdom

(51) E04F 13/10
E04F 13/08
(11) EP3470599
(21) EP17196384.6
(47) 11.09.2019
(22) 13.10.2017
(54) OSB BOARD AND USE OF SAME
(73) SWISS KRONO Tec AG
(72) SAUTER, Harald

(51) E04F 13/14
E04F 13/08
E04B 1/41
E04B 2/08
E04B 2/72
E04B 1/38
E04C 1/00
E04B 2/02
(11) EP2683887
(21) EP12754637.2
(47) 11.09.2019
(87) CA2012000216
13.09.2012
(22) 08.03.2012
(54) CLIPS FOR THIN BRICK WALL SYSTEM
(73) Quadrosera Corporation
(72) HUFF, Robert
(31) 201161450676 P
(32) 09.03.2011
(33) United States of America

(51) E04F 15/02
B65H 37/00
A47G 27/04
(11) EP3190243
(21) EP17151647.9
(47) 11.09.2019
(22) 17.10.2005
(54) FLOOR COVERING
(73) Interface, Inc.
(72) BRADFORD, John
GRAY, Keith N.
(31) 619340 P
18947
690762 P
(32) 15.10.2004
21.12.2004
15.06.2005
(33) United States of America
United States of America
United States of America

(51) E04F 15/02
E04F 15/04
E04F 15/10
(11) EP3224427
(21) EP15862298.5
(47) 11.09.2019
(87) SE2015051270
02.06.2016
(22) 25.11.2015
(54) SET OF ESSENTIALLY IDENCIAL FLOOR PANELS WITH MECHANICAL LOCKING SYSTEM
(73) Välinge Innovation AB
(72) PERVAN, Darko
(31) 1451438
(32) 27.11.2014
(33) Sweden

(51) E04F 15/02
E04F 15/04
E04F 15/10
E04G 23/00
(11) EP2686502
(21) EP12760572.3
(47) 11.09.2019
(87) AU2012000280
27.09.2012
(22) 16.03.2012
(54) VERTICAL JOINT SYSTEM AND ASSOCIATED SURFACE COVERING SYSTEM
(73) Välinge Innovation AB
(72) KELL, Richard William

(31) 2011900987
2011902017
2011902871
2011904668
(32) 18.03.2011
24.05.2011
19.07.2011
09.11.2011
(33) Australia
Australia
Australia
Australia

(51) E04F 21/00
(11) EP3318697
(21) EP16196881.3
(47) 11.09.2019
(22) 02.11.2016
(54) DEVICE FOR INSTALLING TILES
(73) Bucsa, Doru
(72) Bucsa, Doru

(51) E04F 21/18
E04F 21/22
E04F 21/20
(11) EP3260628
(21) EP16751971.9
(47) 11.09.2019
(87) ES2016070095
25.08.2016
(22) 17.02.2016
(54) DEVICE FOR LEVELLING COATING PARTS
(73) Germans Boada, S.A.
(72) QUESADA BARBERO, Juan Antonio
(31) 201530203
(32) 19.02.2015
(33) Spain

(51) E04H 9/02
F16F 15/02
(11) EP3119963
(21) EP15712833.1
(47) 11.09.2019
(87) EP2015055690
24.09.2015
(22) 18.03.2015
(54) VIBRATION ISOLATOR
(73) Topole, Klaus Gregor
Luig, Patrick
Iske, Andreas D.J.
(72) TOPOLE, Klaus Gregor
LUIG, Patrick
(31) 102014004059
(32) 21.03.2014
(33) Germany

(51) E04H 9/14
(11) EP3101200
(21) EP15739866.0
(47) 11.09.2019
(87) JP2015051336
30.07.2015
(22) 20.01.2015
(54) SHELTER FOR TSUNAMIS AND OTHER DISASTERS
(73) Asano, Hideki
Araki, Itsuo
Ouchi, Teruo
(72) Asano, Hideki
Araki, Itsuo
Ouchi, Teruo
(31) 2014011981
(32) 27.01.2014
(33) Japan

(51) E04H 12/10
E02B 17/00
E04H 12/00
(11) EP3198092
(21) EP15763036.9
(47) 11.09.2019
(87) EP2015071238
31.03.2016
(22) 16.09.2015
(54) TRANSITION PIECE FOR WIND TURBINES AND CONNECTING STRUCTURES
(73) innogy SE
(72) BARTMINN, Daniel
(31) 102014219482
(32) 25.09.2014
(33) Germany

(51) E04H 12/12
E04C 2/28
E04C 2/38
(11) EP3183401
(21) EP15734647.9
(47) 11.09.2019
(87) EP2015065091
25.02.2016
(22) 02.07.2015
(54) CONCRETE CONSTRUCTION OF MODULAR DESIGN
(73) Drössler GmbH Umwelttechnik
(72) KEINDORF, Christian
WAGNER, Dirk
LENZING, Peter
STAHL, Michael
(31) 102014216364
102015200105
(32) 18.08.2014
08.01.2015
(33) Germany
Germany

(51) E04H 15/48
F16C 11/04
F16C 11/10
(11) EP3276105
(21) EP16194703.1
(47) 11.09.2019
(22) 20.10.2016
(54) JOINT STRUCTURE
(73) Sportsman Corporation
(72) Chen, Jack
(31) 105123642
(32) 26.07.2016
(33) Taiwan, Province of China

(51) E05B 35/06
F16B 39/12
E05B 83/02
B65D 90/22
F16B 5/02
F16B 39/16
E05C 1/02
(11) EP3060733
(21) EP14855852.1
(47) 11.09.2019
(87) ZA2014000055
30.04.2015
(22) 30.09.2014
(54) A LOCKING MECHANISM
(73) Protea Coin Group (Assets in Transit and Armed Reaction) (PTY) LTD
(72) VAN DER WALT, Michiel Coenraad
SAGE, Bazil Raymond
(31) 201308360
(32) 23.10.2013
(33) South Africa

(51) E05B 45/12
E05C 9/18
E05B 45/06
E05B 47/00
(11) EP3156567
(21) EP16189485.2
(47) 11.09.2019
(22) 19.09.2016
(54) MONITORING DEVICE OF A DRIVE ROD FITTING FOR A SASH LOCKABLE IN A FRAME
(73) Aug. Winkhaus GmbH & Co. KG
(72) Niehues, Stefan
(31) 102015220139
(32) 16.10.2015
(33) Germany

(51) E05B 47/00
(11) EP3485123
(21) EP17791167.4
(47) 11.09.2019
(87) IB2017056151
19.04.2018
(22) 05.10.2017
(54) ELECTRONIC SYSTEM FOR LOCKING DOORS OR WINDOWS, IN PARTICULAR FOR DOORS
(73) Alban Giacomo S.p.A.
(72) ALBAN, Giacomo Mario
(31) 201600101732
(32) 11.10.2016
(33) Italy

(51) E05B 47/02
E05B 47/00
E05B 17/22
E05C 19/16
(11) EP2754793
(21) EP14150753.3
(47) 11.09.2019
(22) 10.01.2014
(54) Access control device in a building
(73) ASSA ABLOY Sicherheitstechnik GmbH
(72) Ammann, Peter
(31) 102013000282
102013007287
(32) 11.01.2013
26.04.2013
(33) Germany
Germany

(51) E05B 47/02
E05B 49/00
(11) EP2659075
(21) EP11853789.3
(47) 11.09.2019
(87) US2011064081
05.07.2012
(22) 09.12.2011
(54) ELECTRONIC LOCK WITH POWER FAILURE CONTROL CIRCUIT
(73) Sargent Manufacturing Company
(72) BRYLA, Mark

MORSE, Steve
WREN, Chris
(31) 981928
(32) 30.12.2010
(33) United States of America

(51) E05B 65/00
(11) EP3172390
(21) EP15824861.7
(47) 11.09.2019
(87) IB2015055506
28.01.2016
(22) 21.07.2015
(54) LUGGAGE TRACKING DEVICE, SYSTEMS AND METHODS
(73) Lantrn Limited
(72) COOPER, Aaron
(31) 201462026812 P
(32) 21.07.2014
(33) United States of America

(51) E05B 67/36
E05B 9/04
E05B 17/20
E05B 17/04
E05C 1/04
E05B 65/00
E05B 15/12
(11) EP3177790
(21) EP14899482.5
(47) 11.09.2019
(87) AU2014000781
11.02.2016
(22) 04.08.2014
(54) LOCK ARRANGEMENT
(73) Janus International Group LLC
(72) PERRINS, Jonathan
RYAN, Gerard
WILLOUGHBY, Joshua
SANDSTROM, Mark

(51) E05B 85/02
E05B 79/20
(11) EP2802720
(21) EP12808411.8
(47) 11.09.2019
(87) EP2012076823
27.06.2013
(22) 21.12.2012
(54) LOCK FOR A VEHICLE
(73) U-Shin France
(72) DEBROUCKE, François
GRISLAIN, Jean-Baptiste
(31) 1103979
(32) 21.12.2011
(33) France

(51) E05C 9/20
E05B 15/04
(11) EP3235981
(21) EP17167314.8
(47) 11.09.2019
(22) 20.04.2017
(54) FITTING FOR A WINDOW, DOOR OR SIMILAR
(73) Roto Frank Fenster- und Türtechnologie GmbH
(72) Mattausch, Jürgen
Diem, Eike
Hanel, Dirk
Reich, Barbara
Röder, Markus
(31) 102016004917
(32) 23.04.2016
(33) Germany

(51) E05C 17/00
E05C 17/20
(11) EP3230542
(21) EP15830973.2
(47) 11.09.2019
(87) DE2015000571
16.06.2016
(22) 04.12.2015
(54) DOOR CHECK AND METHOD FOR BLOCKING A DOOR CHECK
(73) Edscha Engineering GmbH
(72) HOFFMANN, Peter
HEINRICHS, Gundolf
MEISSNER, Torsten
BRINKER, Matthias
ACKERS, Heiner
REHBORN, Dietmar
(31) 202014009825 U
(32) 10.12.2014
(33) Germany

(51) E05C 17/20
E05C 17/00
E05C 17/22
E05F 5/02
E05F 5/06
E05B 81/70
E05B 81/06
(11) EP3266968
(21) EP17177566.1
(47) 11.09.2019
(22) 23.06.2017
(54) BRAKING SYSTEM, IN PARTICULAR FOR A VEHICLE DOOR
(73) HCS-InTec Germany GmbH
(72) Rucha, Christian
(31) 102016112353
(32) 06.07.2016
(33) Germany

(51) E05D 5/12
B27B 5/20
B27B 5/29
F16C 11/04
(11) EP2737149
(21) EP12745744.8
(47) 11.09.2019
(87) US2012048634
07.02.2013
(22) 27.07.2012
(54) HINGE CONNECTIONS AND POWER MITER SAW WITH HINGE LINKAGE LINEAR GUIDE INCLUDING SUCH HINGE CONNECTIONS
(73) Robert Bosch GmbH
(72) OBERHEIM, Stephen, C.
THOMAS, Adam
MARINOV, Plamen
WIKER, Jeurgen
(31) 201113194705
(32) 29.07.2011
(33) United States of America

(51) E05D 15/06
E05F 5/00
(11) EP3224441
(21) EP15801713.7
(47) 11.09.2019
(87) EP2015077017
02.06.2016
(22) 18.11.2015
(54) A DAMPING OR RETURN DEVICE FOR SLIDING DOOR LEAVES OR FOR DRAWERS
(73) Bortoluzzi Sistemi S.p.A.
(72) BORTOLUZZI, Guido
GIROTTO, Adriano
(31) MI20140368 U
(32) 24.11.2014
(33) Italy

(51) E05D 15/30
E05D 15/52
E05F 1/10
(11) EP3045634
(21) EP15202302.4
(47) 11.09.2019
(22) 23.12.2015
(54) CHECKING DEVICE FOR A WINDOW OR A DOOR COMPRISING AN ENERGY STORAGE DEVICE
(73) SCHÜCO International KG
(72) DIEKMANN, Bernd
FLACHMANN, Matthias
KÖNIG CASTRO, Marvin
(31) 102015100547
(32) 15.01.2015
(33) Germany

(51) E05F 11/42
B60J 1/17
E05F 15/689
(11) EP2639393
(21) EP11840050.6
(47) 11.09.2019
(87) JP2011072051
18.05.2012
(22) 27.09.2011
(54) WINDOW REGULATOR
(73) Yachiyo Industry Co., Ltd.
(72) NAKAMURA Teruyuki
IWAYA Tsutomu
KANAI Toshiyuki
TAKAKURA So
(31) 2011168405
2011168404
2011168402
2010249851
(32) 01.08.2011
01.08.2011
01.08.2011
08.11.2010
(33) Japan
Japan
Japan
Japan

(51) E05F 15/646
B60R 1/00
(11) EP3235994
(21) EP17165238.1
(47) 11.09.2019
(22) 06.04.2017
(54) DRIVE DEVICE FOR A DRIVABLE ELEMENT
(73) Gebr. Bode GmbH & Co. KG
(72) Linnenkohl, Lars
(31) 202016102152 U
(32) 22.04.2016

(33) Germany

(51) E05G 1/14
(11) EP2591195
(21) EP11803881.9
(47) 11.09.2019
(87) SE2011000130
12.01.2012
(22) 08.07.2011
(54) METHOD, ARRANGEMENT AND USE RELATED TO MARKING OF OBJECTS
(73) SQS Security Qube System AB
(72) LINDSKOG, Kjell
(31) 1000751
(32) 09.07.2010
(33) Sweden

(51) E06B 3/32
E06B 9/34
E06B 9/42
E06B 9/44
E06B 9/58
E06B 9/60
E06B 9/80
E06B 9/90
E06B 9/24
E06B 9/262
(11) EP2971422
(21) EP13878319.6
(47) 11.09.2019
(87) US2013032634
18.09.2014
(22) 15.03.2013
(54) POSITION LOCK FOR ROLLER SUPPORTED ARCHITECTURAL COVERINGS
(73) Hunter Douglas Inc.
(72) FALLER, Kenneth M.

(51) E06B 3/46
E05D 15/06
(11) EP3095946
(21) EP15167987.5
(47) 11.09.2019
(22) 18.05.2015
(54) PUSH WINDOW DEVICE
(73) Michels, Christian
(72) Michels, Christian

(51) E06B 3/54
(11) EP3401489
(21) EP18169192.4
(47) 11.09.2019
(22) 25.04.2018
(54) METHOD OF REPAIRING AND IMPROVING HERMETICALLY SEALED INSULATED GLASS UNITS IN CURTAIN WALL SYSTEMS OF OLDER BUILDINGS
(73) Borys, Ryszard M.
(72) Borys, Ryszard M.
(31) 201762602527 P
201815939854
(32) 26.04.2017
29.03.2018
(33) United States of America
United States of America

(51) E06B 3/96
(11) EP3299567
(21) EP17190695.1
(47) 11.09.2019
(22) 12.09.2017
(54) PROFILE ASSEMBLY FOR A BUILDING CLOSURE, METHOD FOR PRODUCING PROFILE ASSEMBLY AND BUILDING CLOSURE
(73) Roto Frank DST Marken GmbH & Co. KG
(72) Hellhake, Christoph
Schreck, Sebastian
Stürzenhofäcker, Jens
(31) 102016218246
(32) 22.09.2016
(33) Germany

(51) E06B 9/24
G02F 1/15
B64C 1/14
(11) EP2951379
(21) EP14745686.7
(47) 11.09.2019
(87) US2014014152
07.08.2014
(22) 31.01.2014
(54) ELECTRO-OPTIC WINDOW ASSEMBLY
(73) Gentex Corporation
(72) DRISCOLL, David I.
BUSSCHER, Bradley L.
ASH, Kevin L.
(31) 201361759009 P
(32) 31.01.2013
(33) United States of America

(51) E06B 9/76
E06B 9/17
F16B 37/02
(11) EP3396102
(21) EP18168667.6
(47) 11.09.2019
(22) 23.04.2018
(54) DEVICE FOR ATTACHING AN ELEMENT FOR CONTROLLING A ROLLER SHUTTER TO A WALL OF THE ROLLER SHUTTER BOX
(73) BUBENDORFF Société Anonyme
(72) DROUET, Sébastien
BECHTOLD, Paul
(31) 1753517
(32) 24.04.2017
(33) France

(51) E06C 1/10
E06C 1/12
E06C 7/06
E06C 7/12
E06C 7/50
(11) EP3348780
(21) EP17002006.9
(47) 11.09.2019
(22) 07.12.2017
(54) LADDER CONNECTOR AND ASSEMBLY COMPRISING SAME
(73) GEDA-Dechentreiter GmbH & Co. KG.
(72) Uhl, Matthias
Ziegelmeier, Manuel
(31) 102017000341
(32) 16.01.2017
(33) Germany

(51) E21B 7/00
E02D 5/00
E02D 7/00
E21B 7/02
E21B 7/20
(11) EP3372777
(21) EP18160232.7
(47) 11.09.2019
(22) 06.03.2018
(54) MODULAR ASSEMBLY FOR HANDLING EXCAVATING EQUIPMENT FOR EXCAVATING MACHINES, EXCAVATING MACHINE, METHOD FOR CONVERTING THE EXCAVATING CONFIGURATION OF AN EXCAVATING MACHINE
(73) Soilmec S.p.A.
(72) DITILLO, Alessandro
BISERNA, Ezio
(31) 201700024727
(32) 06.03.2017
(33) Italy

(51) E21B 10/14
E21B 10/20
E21B 10/62
(11) EP3146137
(21) EP15729979.3
(47) 11.09.2019
(87) US2015032230
26.11.2015
(22) 22.05.2015
(54) HYBRID BIT WITH MECHANICALLY ATTACHED ROLLING CUTTER ASSEMBLY
(73) Baker Hughes, a GE company, LLC
(72) SCHRODER, Jon
(31) 201462002787 P
(32) 23.05.2014
(33) United States of America

(51) E21B 17/00
B08B 9/02
E21B 19/14
(11) EP2553207
(21) EP11763100.2
(47) 11.09.2019
(87) NO2011000103
06.10.2011
(22) 25.03.2011
(54) METHOD AND DEVICE FOR TREATMENT OF A PIPESTRING SECTION THAT IS POSITIONED IN A SET-BACK
(73) National Oilwell Varco Norway AS
(72) BERGE, Roar
(31) 20100469
(32) 30.03.2010
(33) Norway

(51) E21B 17/00
E21B 17/02
(11) EP2766555
(21) EP12769019.6
(47) 11.09.2019
(87) EP2012004152
18.04.2013
(22) 04.10.2012
(54) TUBULAR COMPONENT FOR DRILL STEM PROVIDED WITH A TRANSMISSION SHEATH FIXED BY THREADINGS, AND METHOD FOR INSTALLING SAID COMPONENT
(73) Baker Hughes, a GE company, LLC
(72) FRAIGNAC, Alexandre
MILLET, Francçois
(31) 1103153

201161563055 P
(32) 14.10.2011
23.11.2011
(33) France
United States of America

(51) E21B 17/01
(11) EP3164566
(21) EP15747985.8
(47) 11.09.2019
(87) EP2015065158
07.01.2016
(22) 02.07.2015
(54) ANCHORING SUBSEA FLEXIBLE RISERS
(73) Subsea 7 Norway AS
(72) HOYVIK, Eskil
(31) 201411988
(32) 04.07.2014
(33) United Kingdom

(51) E21B 17/01
F16L 1/12
(11) EP3158160
(21) EP15732894.9
(47) 11.09.2019
(87) GB2015051799
23.12.2015
(22) 19.06.2015
(54) BEND STIFFENER
(73) Trelleborg Offshore U.K. Ltd
(72) DUGGAN, John Malachy
HARBISON, Austin
(31) 201411077
(32) 20.06.2014
(33) United Kingdom

(51) E21B 23/01
E21B 19/00
(11) EP3207209
(21) EP15784131.3
(47) 11.09.2019
(87) GB2015053081
21.04.2016
(22) 16.10.2015
(54) LANDING STRING RETAINER SYSTEM
(73) Expro North Sea Limited
(72) MINTY, Stephen George
CARMICHAEL, Andrew Macdonald
(31) 201418377
(32) 16.10.2014
(33) United Kingdom

(51) E21B 23/12
E21B 33/047
E21B 41/00
E21B 43/14
E21B 17/18
E21B 43/10
E21B 17/00
E21B 33/00
(11) EP2820338
(21) EP13793591.2
(47) 11.09.2019
(87) US2013000057
28.11.2013
(22) 01.03.2013
(54) HIGH PRESSURE LARGE BORE WELL CONDUIT SYSTEM
(73) Tunget, Bruce A.
(72) Tunget, Bruce A.
(31) 201203649
(32) 01.03.2012
(33) United Kingdom

(51) E21B 33/035
E21B 34/04
(11) EP3314085
(21) EP16736559.2
(47) 11.09.2019
(87) GB2016051911
29.12.2016
(22) 24.06.2016
(54) CHRISTMAS TREE
(73) Brown, Stuart
(72) Brown, Stuart
(31) 201511225
(32) 25.06.2015
(33) United Kingdom

(51) E21B 33/04
E21B 33/12
E21B 33/00
(11) EP3008279
(21) EP14810984.6
(47) 11.09.2019
(87) US2014031791
18.12.2014
(22) 26.03.2014
(54) SWELLABLE ENERGIZERS FOR OIL AND GAS WELLS
(73) Freudenberg Oil & Gas, LLC
(72) PORTA, Santiago Galvez
(31) 201313914037
(32) 10.06.2013
(33) United States of America

(51) E21B 33/08
E21B 34/04
(11) EP3252265
(21) EP17170899.3
(47) 11.09.2019
(22) 12.05.2017
(54) ROTATING CONTROL DEVICE, AND INSTALLATION AND RETRIEVAL THEREOF
(73) Weatherford Technology Holdings, LLC
(72) WAGONER, Danny W.
LE, Tuong T.
(31) 201615153356
(32) 12.05.2016
(33) United States of America

(51) E21B 33/127
E21B 34/06
(11) EP3218573
(21) EP15791663.6
(47) 11.09.2019
(87) EP2015076321
19.05.2016
(22) 11.11.2015
(54) ANNULAR BARRIER WITH CLOSING MECHANISM
(73) Welltec Oilfield Solutions AG
(72) STÆHR, Lars
(31) 14192870
(32) 12.11.2014
(33) European Patent Office (EPO)

(51) E21B 33/14
E21B 33/16
E21B 33/12
E21B 23/08
(11) EP2909428
(21) EP13846659.4
(47) 11.09.2019
(87) US2013065248
24.04.2014
(22) 16.10.2013
(54) TELESCOPING LATCHING MECHANISM FOR CASING CEMENTING PLUG
(73) Halliburton Energy Services Inc.
(72) STAIR, Todd, Anthony
(31) 201213653101
(32) 16.10.2012
(33) United States of America

(51) E21B 34/06
E21B 33/12
E21B 29/00
(11) EP3303761
(21) EP16738886.7
(47) 11.09.2019
(87) NO2016050111
08.12.2016
(22) 31.05.2016
(54) DESTRUCTION MECHANISM FOR A DISOLVABLE SEALING DEVICE
(73) TCO AS
(72) BRANDSDAL, Viggo
TVERANGER, Jan Tore
(31) 20150701
(32) 01.06.2015
(33) Norway

(51) E21B 43/017
E21B 43/36
(11) EP3253945
(21) EP16704705.9
(47) 11.09.2019
(87) IB2016050605
11.08.2016
(22) 05.02.2016
(54) UNDERWATER HYDROCARBON PROCESSING FACILITY
(73) SAIPEM S.p.A.
(72) RADICIONI, Alessandro
GARDINI, Fabrizio
FONTOLAN, Massimo
(31) 15154035
(32) 05.02.2015
(33) European Patent Office (EPO)

(51) E21B 43/08
E21B 43/12
(11) EP2815067
(21) EP12868514.6
(47) 11.09.2019
(87) US2012025368
22.08.2013
(22) 16.02.2012
(54) FLUID BYPASS FOR INFLOW CONTROL DEVICE TUBE
(73) Halliburton Energy Services Inc.
(72) AITKEN, Liam Andrew
KUO, Nicholas
LEAST, Brandon Thomas
HOLDERMAN, Luke W.

(51) E21B 43/12
E21B 23/00
E21B 33/04
(11) EP3268572
(21) EP16706784.2
(47) 11.09.2019

(87) US2016019197
15.09.2016
(22) 23.02.2016
(54) MULTI-METAL SEAL SYSTEM
(73) Cameron Technologies Limited
(72) NGUYEN, Dennis P.
(31) 201514645313
(32) 11.03.2015
(33) United States of America

(51) E21B 47/024
E21B 47/022
(11) EP2414629
(21) EP10759325.3
(47) 11.09.2019
(87) US2010029328
07.10.2010
(22) 31.03.2010
(54) TWO COIL GUIDANCE SYSTEM FOR TRACKING BOREHOLES
(73) Halliburton Energy Services, Inc.
(72) KUCKES, Arthur
(31) 166443 P
(32) 03.04.2009
(33) United States of America

(51) E21B 47/04
E21B 47/02
(11) EP3014063
(21) EP14816648.1
(47) 11.09.2019
(87) US2014043892
31.12.2014
(22) 24.06.2014
(54) SYSTEM AND METHOD FOR FORMATION DETECTION AND EVALUATION
(73) Motive Drilling Technologies Inc.
(72) BENSON, Todd, W.
STOKELD, Brian, Eugene
LOCKHART, Dwight, A.
(31) 201361838689 P
201414186470
(32) 24.06.2013
21.02.2014
(33) United States of America
United States of America

(51) E21B 47/10
G01V 3/18
(11) EP3143254
(21) EP14897148.4
(47) 11.09.2019
(87) US2014045845
14.01.2016
(22) 09.07.2014
(54) FREQUENCY BASED MEASUREMENT OF CHARACTERISTICS OF A SUBSTANCE
(73) Halliburton Energy Services, Inc.
(72) PELLETIER, Michael T.
SOLTMANN, William J.
PERKINS, David L.
PAI, Raj
MASINO, James E.

(51) E21B 47/12
E21B 33/03
E21B 33/04
(11) EP2877691
(21) EP12881741.8
(47) 11.09.2019
(87) US2012047934
30.01.2014
(22) 24.07.2012
(54) WIRELESS DOWNHOLE FEEDTHROUGH SYSTEM
(73) FMC Technologies, Inc.
(72) MULHOLLAND, John, J.
SILVA, Gabriel
KANE, David
MCSTAY, Daniel

(51) E21B 49/10
B63C 11/48
E21B 43/00
(11) EP2446117
(21) EP10792660.2
(47) 11.09.2019
(87) US2010039808
29.12.2010
(22) 24.06.2010
(54) SAMPLING SKID FOR SUBSEA WELLS
(73) OneSubsea IP UK Limited
(72) CUMMING, Mike
DAWSON, Alan
OSBORNE, Roger
(31) 220466 P
(32) 25.06.2009
(33) United States of America

(51) E21D 9/10
E21D 9/12
E21D 9/06
(11) EP3388620
(21) EP17166397.4
(47) 11.09.2019
(22) 12.04.2017
(54) DRILLING DEVICE AND METHOD FOR CREATING A HOLE IN THE SOIL
(73) Herrenknecht AG
(72) Praetorius, Steffen

(51) F01B 3/00
F02B 75/26
F02B 21/00
(11) EP3048244
(21) EP16152946.6
(47) 11.09.2019
(22) 26.07.2010
(54) AXIAL PISTON MOTOR
(73) GETAS Gesellschaft für thermodynamische Antriebssysteme mbH
(72) Voigt, Dieter, Dr.-Ing.
Rohs, Ulrich, Dr.
(31) 102009034735
(32) 24.07.2009
(33) Germany

(51) F01D 5/02
F01D 25/28
B22D 19/10
B22D 39/02
(11) EP3231993
(21) EP17164939.5
(47) 11.09.2019
(22) 05.04.2017
(54) METHOD FOR IN SITU BALANCING OF A ROTATING COMPONENT OF A GAS TURBINE ENGINE
(73) General Electric Company
(72) DIWINSKY, David Scott
ROBERTS, Herbert Chidsey
(31) 201615096527
(32) 12.04.2016
(33) United States of America

(51) F01D 5/08
F01D 5/30
F04D 29/58
F04D 29/32
(11) EP2418352
(21) EP11172748.3
(47) 11.09.2019
(22) 05.07.2011
(54) Gas turbine engine comprising a compressor with longitudinal cooling passages
(73) Ansaldo Energia Switzerland AG
(72) Riazantsev, Sergei
Kiewel, Holger
Olmes, Sven
Kramer, Thomas F.
Shchukin, Sergey
(31) 10172376
(32) 10.08.2010
(33) European Patent Office (EPO)

(51) F01D 5/10
(11) EP3368748
(21) EP16806240.4
(47) 11.09.2019
(87) FR2016052819
04.05.2017
(22) 28.10.2016
(54) METHOD FOR INTRODUCING AN INTENTIONAL MISTUNING IN A BLADED DISC OF A TURBOMACHINE
(73) Safran Aircraft Engines
(72) MONTES PARRA, Roger Felipe
(31) 1560326
(32) 28.10.2015
(33) France

(51) F01D 5/14
F01D 5/18
(11) EP3260659
(21) EP17177470.6
(47) 11.09.2019
(22) 22.06.2017
(54) FAN BLADE FILLER
(73) United Technologies Corporation
(72) QUINN, Mark
GROSSO, Jody M.
(31) 201615189685
(32) 22.06.2016
(33) United States of America

(51) F01D 5/14
F01D 5/20
(11) EP2586979
(21) EP12190271.2
(47) 11.09.2019
(22) 26.10.2012
(54) Turbomachine blade with tip flare
(73) General Electric Company
(72) Gustafson, Ross James
Penny, Christopher Michael
(31) 201113284521
(32) 28.10.2011
(33) United States of America

(51) F01D 5/14
F01D 5/22
F01D 9/04
(11) EP3428391
(21) EP17181379.3

(47) 11.09.2019
(22) 14.07.2017
(54) BLADE GRID OF A TURBOMACHINE
(73) MTU Aero Engines AG
(72) Mahle, Inga
Brettschneider, Markus
Maatouk, Fadi

(51) F01D 5/18
(11) EP2610437
(21) EP12197063.6
(47) 11.09.2019
(22) 13.12.2012
(54) TURBINE ROTOR BLADE HAVING A PLATFORM COOLING ARRANGEMENT
(73) General Electric Company
(72) Ellis, Scott Edmond
Smith, Aaron Ezekiel
(31) 201113341018
(32) 30.12.2011
(33) United States of America

(51) F01D 5/18
F01D 9/04
F01D 11/00
F01D 5/14
(11) EP3342981
(21) EP17202414.3
(47) 11.09.2019
(22) 17.11.2017
(54) AIRFOIL WITH SEALED BAFFLE
(73) United Technologies Corporation
(72) PROPHETER-HINCKLEY, Tracy A.
(31) 201615354132
(32) 17.11.2016
(33) United States of America

(51) F01D 5/18
F01D 25/12
F01D 9/02
(11) EP2960433
(21) EP15166932.2
(47) 11.09.2019
(22) 08.05.2015
(54) GAS TURBINE ENGINE AIRFOIL COMPRISING ANGLED COOLING PASSAGES IN THE LEADING EDGE
(73) United Technologies Corporation
(72) SLAVENS, Thomas N.
DEVORE, Matthew A.
(31) 201461990147 P
(32) 08.05.2014
(33) United States of America

(51) F01D 5/28
C04B 35/80
F01D 5/14
F01D 5/22
F01D 11/00
F01D 25/24
(11) EP3208425
(21) EP17160228.7
(47) 11.09.2019
(22) 24.05.2012
(54) HYBRID ROTOR DISK ASSEMBLY WITH CERAMIC MATRIX COMPOSITES PLATFORM FOR A GAS TURBINE ENGINE
(73) United Technologies Corporation
(72) SUCIU, Gabriel L.
ALVANOS, Ioannis
DYE, Christopher M.
LEVASSEUR, Glenn
(31) 201113116173
(32) 26.05.2011
(33) United States of America

(51) F01D 5/28
F01D 5/30
F01D 5/06
F04D 29/32
(11) EP3140517
(21) EP15722886.7
(47) 11.09.2019
(87) US2015029333
12.11.2015
(22) 06.05.2015
(54) COMPOSITE BOOSTER SPOOL WITH SEPARABLE COMPOSITE BLADES
(73) General Electric Company
(72) KRAY, Nicholas, Joseph
VERMILYEA, Mark, Ernest
SUBRAMANIAN, Suresh
ANDERSON, Todd, Alan
SHIM, Dong-jin
NANDULA, Phani
(31) 201461990369 P
(32) 08.05.2014
(33) United States of America

(51) F01D 5/28
F01D 17/02
F04D 29/32
G01L 1/24
(11) EP2828486
(21) EP13719899.0
(47) 11.09.2019
(87) FR2013050581
26.09.2013
(22) 19.03.2013
(54) DETECTION AND TRACKING OF DAMAGE OR IMPACT OF A FOREIGN OBJECT ON AN AIRCRAFT ENGINE FAN
(73) SAFRAN AIRCRAFT ENGINES
(72) TOURIN, David
FERDINAND, Pierre
GEREZ, Valerio
LEROUX, André
(31) 1252489
(32) 20.03.2012
(33) France

(51) F01D 9/02
F01D 17/10
F01D 17/14
F02B 37/02
F02B 37/22
F01D 5/14
(11) EP3173584
(21) EP15835671.7
(47) 11.09.2019
(87) JP2015055095
03.03.2016
(22) 23.02.2015
(54) ON-OFF VALVE DEVICE AND ROTARY MACHINE
(73) Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.
(72) HIGASHIMORI, Hirotaka
(31) PCT/JP2014/072460
(32) 27.08.2014
(33) World Intellectual Property Office (WIPO)

(51) F01D 9/04
F02C 3/04
F01D 5/14
F01D 9/06
(11) EP2809886
(21) EP12867672.3
(47) 11.09.2019
(87) US2012063837
08.08.2013
(22) 07.11.2012
(54) GAS TURBINE ENGINE MID TURBINE FRAME WITH FLOW TURNING FEATURES
(73) United Technologies Corporation
(72) PRAISNER, Thomas J.
MAGGE, Shankar S.
ESTES, Matthew B.
(31) 201261593162 P
201213369366
(32) 31.01.2012
09.02.2012
(33) United States of America
United States of America

(51) F01D 11/00
F01D 17/16
(11) EP3045673
(21) EP15197657.8
(47) 11.09.2019
(22) 02.12.2015
(54) EXHAUST TURBINE ASSEMBLY
(73) Garrett Transportation I Inc.
(72) GERARD, Arnaud
SOLANKI, Shankar Pandurangasa
EUMONT, Vincent
MORAND, Nicolas
ABEL, Francis
BARTHELET, Pierre
(31) 201414566522
(32) 10.12.2014
(33) United States of America

(51) F01D 11/08
F01D 25/12
F02C 7/28
(11) EP2864595
(21) EP13833861.1
(47) 11.09.2019
(87) US2013044898
06.03.2014
(22) 10.06.2013
(54) BLADE OUTER AIR SEAL HYBRID CASTING CORE
(73) United Technologies Corporation
(72) THOLEN, Susan, M.
MONGILLO, Dominic,J.
LUTJEN, Paul, M.
KNAPP, James, N.
ROSS, Virginia, L.
EARL, Jonathan, J.
HUDSON, Eric, A.
(31) 201213529041
(32) 21.06.2012
(33) United States of America

(51) F01D 11/12
F01D 11/16
F02K 3/06
(11) EP2623723
(21) EP13151323.6
(47) 11.09.2019

(22) 15.01.2013
(54) Clearance control system for a gas turbine engine section
(73) United Technologies Corporation
(72) Ditomasso, John C.
Robertson, Thomas J.
Reinhardt, Gregory E.
(31) 201213366424
(32) 06.02.2012
(33) United States of America

(51) F01D 17/02
F01D 21/00
F01D 25/28
(11) EP3348797
(21) EP17204155.0
(47) 11.09.2019
(22) 28.11.2017
(54) FLEXIBLE BAND ELECTRICAL COMPONENT MOUNTS AND METHODS
(73) The Boeing Company
(72) JASKLOWSKI, Chris T.
(31) 201715408190
(32) 17.01.2017
(33) United States of America

(51) F01D 17/14
(11) EP3204617
(21) EP15782061.4
(47) 11.09.2019
(87) GB2015052969
14.04.2016
(22) 09.10.2015
(54) VARIABLE GEOMETRY TURBINE
(73) Cummins Ltd
(72) HILL, Lisa Jane
BYWATER, John
PARKER, John F.
(31) 201417995
(32) 10.10.2014
(33) United Kingdom

(51) F01D 19/02
F02C 7/277
F02C 7/32
(11) EP3301264
(21) EP17194050.5
(47) 11.09.2019
(22) 29.09.2017
(54) GAS TURBINE ENGINE MOTORING WITH STARTER AIR VALVE MANUAL OVERRIDE
(73) United Technologies Corporation
(72) CLAUSON, Jesse W.
GELWAN, David
(31) 201615281238
(32) 30.09.2016
(33) United States of America

(51) F01D 25/24
F01D 25/12
F02C 7/12
F04D 29/52
F04D 29/58
F01D 9/04
F02C 7/18
F01D 9/06
F01D 25/16
(11) EP3348803
(21) EP17210986.0
(47) 11.09.2019
(22) 12.03.2014
(54) ENGINE MID-TURBINE FRAME TRANSFER TUBE FOR LOW PRESSURE TURBINE CASE COOLING
(73) United Technologies Corporation
(72) WANG, Cheng-Zhang
GLAHN, Jorn A.
CLOUD, David F.
MUNSELL, Peter M.
CRAWLEY, Clifton J., Jr.
NEWMAN, Robert
STEARNS, Michelle Diana
(31) 201361778611 P
201361835719 P
(32) 13.03.2013
17.06.2013
(33) United States of America
United States of America

(51) F01D 25/24
F01D 25/28
F02C 7/24
F02C 7/32
F16B 43/00
F16J 15/10
F16L 23/16
(11) EP3273012
(21) EP17179422.5
(47) 11.09.2019
(22) 03.07.2017
(54) FLAT THERMAL SEAL FOR A COMPOSITE BOSS
(73) United Technologies Corporation
(72) STRAIT, Mathieu
ISLAM, Mainul
(31) 201615200539
(32) 01.07.2016
(33) United States of America

(51) F01D 25/28
(11) EP2538039
(21) EP12170193.2
(47) 11.09.2019
(22) 31.05.2012
(54) GAS TURBINE SUPPORT STRUCTURE FORMING METHOD
(73) Rolls-Royce plc
(72) Carlisle, Michael
(31) 201110349
(32) 20.06.2011
(33) United Kingdom

(51) F01D 25/30
F02C 7/24
(11) EP2994620
(21) EP14719188.6
(47) 11.09.2019
(87) AT2014000065
13.11.2014
(22) 31.03.2014
(54) MUFFLER FOR AN EXHAUST-GAS DUCT
(73) JORD INTERNATIONAL PTY LTD
(72) PROCHAZKA, Peter Alexander
(31) 3752013
(32) 06.05.2013
(33) Austria

(51) F01K 23/06
F01B 17/04
F01B 31/10
F01M 5/00
F01M 13/04
F16N 39/04
F02G 5/02
(11) EP2603671
(21) EP11740835.1
(47) 11.09.2019
(87) EP2011003509
16.02.2012
(22) 14.07.2011
(54) STEAM POWER PLANT AND METHOD FOR OPERATING IT
(73) SteamDrive GmbH
(72) BERGER, Jürgen
BAUSCH, Christian
GRIESER, Jens
(31) 102010034153
(32) 11.08.2010
(33) Germany

(51) F01K 23/06
F22B 1/18
(11) EP3485148
(21) EP17742937.0
(47) 11.09.2019
(87) AT2017060175
25.01.2018
(22) 12.07.2017
(54) METHOD FOR DETECTING AN UNSEALED LOCATION IN A HEAT RECOVERY SYSTEM
(73) AVL List GmbH
FPT Industrial S.p.A.
Iveco S.p.A.
(72) GLENSVIG, Michael
MAHLER, Susanne
THALER, Markus
(31) 506402016
(32) 18.07.2016
(33) Austria

(51) F01K 23/16
F01D 19/00
F02C 6/18
F16D 48/00
F02C 7/26
(11) EP2984304
(21) EP14732520.3
(47) 11.09.2019
(87) EP2014061794
18.12.2014
(22) 06.06.2014
(54) METHOD FOR COUPLING A STEAM TURBINE AND A GAS TURBINE WITH A DESIRED DIFFERENCE ANGLE
(73) Siemens Aktiengesellschaft
(72) ZIMMER, Gerta
(31) 13171947
(32) 14.06.2013
(33) European Patent Office (EPO)

(51) F01L 1/344
(11) EP3121396
(21) EP16275101.0
(47) 11.09.2019
(22) 14.07.2016
(54) SYSTEM FOR VARYING CYLINDER VALVE TIMING IN AN INTERNAL COMBUSTION ENGINE
(73) HUSCO Automotive Holdings LLC
(72) SCHMITT, Austin
TEWES, Allen
HEIDEMANN, Brian

WARDLE, Dean
(31) 201514808685
(32) 24.07.2015
(33) United States of America

(51) F01L 1/344
(11) EP3219942
(21) EP17159488.0
(47) 11.09.2019
(22) 07.03.2017
(54) CAMSHAFT ADJUSTER
(73) ECO Holding 1 GmbH
(72) Nance, Steve
Snyder, John
(31) 201662307753 P
201715406922
(32) 14.03.2016
16.01.2017
(33) United States of America
United States of America

(51) F01L 1/344
F02F 7/00
F01L 1/02
(11) EP3332102
(21) EP16741650.2
(47) 11.09.2019
(87) EP2016067692
09.02.2017
(22) 25.07.2016
(54) INTERNAL COMBUSTION ENGINE AND ASSEMBLY METHOD OF SUCH AN ENGINE
(73) Volkswagen Aktiengesellschaft
(72) HERRMANN, Julian
KUPHAL, Andre
(31) 102015214725
(32) 03.08.2015
(33) Germany

(51) F01L 3/14
(11) EP3353391
(21) EP16736500.6
(47) 11.09.2019
(87) EP2016066408
30.03.2017
(22) 11.07.2016
(54) COOLED VALVE FOR INTERNAL COMBUSTION ENGINES HAVING A LOAD RELIEF GROOVE
(73) Federal-Mogul Valvetrain GmbH
(72) KELLERMANN, Stefan
BAYARD, Guido
(31) 102015116010
(32) 22.09.2015
(33) Germany

(51) F01N 3/023
(11) EP2884065
(21) EP13196680.6
(47) 11.09.2019
(22) 11.12.2013
(54) Method for automated decontamination of a contaminated object and device for performing the method
(73) Hirtenberger Holding GmbH
(72) Mayer, Hanspeter

(51) F01N 3/08
F01N 3/10
F01N 3/20
F01N 3/22
F01N 3/30
F01N 9/00
F01N 11/00
F01N 3/021
F01N 3/023
F01N 3/025
F01N 13/00
F01N 3/035
(11) EP3333384
(21) EP17197336.5
(47) 11.09.2019
(22) 19.10.2017
(54) EXHAUST PURIFICATION SYSTEM OF INTERNAL COMBUSTION ENGINE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) TAKESHIMA, Shinichi
NISHIOKA, Hiromasa
FUJIWARA, Kiyoshi
(31) 2016206162
(32) 20.10.2016
(33) Japan

(51) F01N 3/20
(11) EP3332104
(21) EP16742163.5
(47) 11.09.2019
(87) EP2016001246
09.02.2017
(22) 15.07.2016
(54) REDUCTANT-METERING SYSTEM HAVING A MODULAR STRUCTURE
(73) Albonair GmbH
(72) HÜTHWOHL, Georg
(31) 102015009958
(32) 05.08.2015
(33) Germany

(51) F01N 3/20
F01N 3/08
F01N 3/36
F02D 41/04
F02D 45/00
F02D 41/02
F02D 41/14
(11) EP3266999
(21) EP16758828.4
(47) 11.09.2019
(87) JP2016055614
09.09.2016
(22) 25.02.2016
(54) EXHAUST PURIFICATION SYSTEM AND CATALYST REGENERATION METHOD
(73) Isuzu Motors, Ltd.
(72) NAKADA Teruo
SAKAMOTO Takayuki
NAGAOKA Daiji
KORENAGA Tomohiro
(31) 2015041798
(32) 03.03.2015
(33) Japan

(51) F01N 3/20
F01N 3/28
F24H 1/00
F24H 1/20
H05B 3/04
H05B 3/44
(11) EP3350427
(21) EP16742233.6
(47) 11.09.2019
(87) EP2016067027
23.03.2017
(22) 18.07.2016
(54) DELIVERY MODULE WITH HEATING DEVICE FOR EXTRACTING A FREEZABLE REDUCTANT LIQUID
(73) Robert Bosch GmbH
(72) KIONTKE, Martin
DOEFFINGER, Andreas
(31) 102015217931
(32) 18.09.2015
(33) Germany

(51) F01N 3/20
F01N 11/00
F02M 26/13
F02M 26/06
(11) EP3387230
(21) EP16813105.0
(47) 11.09.2019
(87) FR2016053261
15.06.2017
(22) 08.12.2016
(54) METHOD FOR DIAGNOSING A CATALYST FOR SELECTIVE REDUCTION OF NITROGEN OXIDES OF AN ENGINE AND ASSOCIATED DEVICE
(73) RENAULT s.a.s.
(72) SELLAMI, Ali
RONDELE, Sylvere
DAMAGNEZ, Frederic
(31) 1562181
(32) 11.12.2015
(33) France

(51) F01N 3/36
F01N 3/20
F02D 45/00
F01N 3/08
F01N 9/00
(11) EP3276136
(21) EP16768294.7
(47) 11.09.2019
(87) JP2016056021
29.09.2016
(22) 29.02.2016
(54) EXHAUST PURIFICATION SYSTEM AND CATALYST CONTROL METHOD
(73) Isuzu Motors Limited
(72) NAKADA, Teruo
SAKAMOTO, Takayuki
NAGAOKA, Daiji
YUZA, Hiroyuki
(31) 2015062508
(32) 25.03.2015
(33) Japan

(51) F01P 5/12
F02F 1/02
F01P 3/02
(11) EP3244034
(21) EP17158620.9
(47) 11.09.2019
(22) 01.03.2017
(54) INTERNAL COMBUSTION ENGINE COMPRISING A COOLANT PUMP
(73) Renault s.a.s
(72) MILLON, Jean-Pierre
GRATIAN, Jean-Louis
(31) 1654304
(32) 13.05.2016

(33) France

(51) F01P 7/14
B60L 1/14
F27B 3/08
F27B 3/24
F27B 3/28
F27D 9/00
F27D 19/00
G01M 3/28
G05D 7/06
G05D 16/20
C22B 9/22
F01P 11/18
(11) EP2434120
(21) EP11194677.8
(47) 11.09.2019
(22) 25.01.2007
(54) OVERHEAT DETECTION SYSTEM OF A FURNACE WITH COOLING PIPES
(73) Titanium Metals Corporation
(72) Rubin, Lawrence
(31) 83533006 P
(32) 03.08.2006
(33) United States of America

(51) F01P 7/14
F16K 11/12
F16K 3/24
F16K 11/20
(11) EP3295002
(21) EP15829013.0
(47) 11.09.2019
(87) US2015042805
11.02.2016
(22) 30.07.2015
(54) THERMAL MANAGEMENT VALVE MODULE WITH CONCENTRIC SHAFTS FOR ROTARY VALVE CONTROL
(73) Schaeffler Technologies AG & Co. KG
Schaeffler Group USA, Inc.
(72) SCHAEFER, Peter
(31) 201462033160 P
(32) 05.08.2014
(33) United States of America

(51) F01P 7/16
F01P 3/02
F01P 7/14
(11) EP3236041
(21) EP17167131.6
(47) 11.09.2019
(22) 19.04.2017
(54) COOLING SYSTEM OF AN INTERNAL COMBUSTION ENGINE
(73) Renault s.a.s
(72) RUBY, Stéphane
(31) 1653441
(32) 19.04.2016
(33) France

(51) F02B 23/06
(11) EP2708714
(21) EP13175740.3
(47) 11.09.2019
(22) 09.07.2013
(54) Combustion chamber of direct injection diesel engine for reducing the nox
(73) Doosan Infracore Co., Ltd.
(72) Yoo, Doc Koon
Han, Dae Sung
Kim, Chung Min
Ahn, Jong Mo
Yu, JinhWan
Kim, Duk Sang
Jung, Wook
Yoo, Doc Koon
(31) 20120102347
(32) 14.09.2012
(33) Korea (Republic)

(51) F02B 75/04
(11) EP3351764
(21) EP18150946.4
(47) 11.09.2019
(22) 10.01.2018
(54) HYDRAULIC MODULE FOR CONTROLLING A HYDRAULIC FLUID STREAM OF A CONNECTING ROD FOR A COMBUSTION ENGINE WITH VARIABLE COMPRESSION AND CONNECTING ROD
(73) ECO Holding 1 GmbH
(72) Huber, David
Schulze, Dietmar
(31) 102017100859
102017121432
(32) 18.01.2017
15.09.2017
(33) Germany
Germany

(51) F02B 75/04
F02D 15/04
F02D 35/02
F02D 41/04
F02D 15/02
(11) EP3339603
(21) EP17210194.1
(47) 11.09.2019
(22) 22.12.2017
(54) CONTROL DEVICE AND CONTROL METHOD OF INTERNAL COMBUSTION ENGINE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) NAKASAKA, Yukihiro
(31) 2016249871
(32) 22.12.2016
(33) Japan

(51) F02B 75/04
F16K 31/06
F16C 7/06
F16C 23/10
(11) EP3456938
(21) EP18199824.6
(47) 11.09.2019
(22) 04.10.2017
(54) CONNECTING ROD FOR A COMBUSTION ENGINE WITH VARIABLE COMPRESSION
(73) ECO Holding 1 GmbH
(72) Mudra, Alexander
Schulze, Dietmar
(31) 102016118757
102017107702
(32) 04.10.2016
10.04.2017
(33) Germany
Germany

(51) F02B 75/28
F02B 75/26
F01B 3/04
F02G 3/02
F02B 33/06
F02B 33/30
(11) EP3402973
(21) EP17703309.9
(47) 11.09.2019
(87) DE2017100010
20.07.2017
(22) 09.01.2017
(54) METHOD FOR OPERATING AN AXIAL PISTON MOTOR, AND AXIAL PISTON MOTOR
(73) GETAS Gesellschaft für thermodynamische Antriebssysteme mbH
(72) ROHS, Ulrich
(31) 102016100439
(32) 12.01.2016
(33) Germany

(51) F02C 3/34
F02C 6/18
(11) EP2158388
(21) EP08774052.8
(47) 11.09.2019
(87) EP2008057062
24.12.2008
(22) 06.06.2008
(54) GAS TURBINE SYSTEM HAVING EXHAUST GAS RECIRCULATION
(73) Ansaldo Energia IP UK Limited
(72) BRAUTSCH, Andreas
WINKLER, Dieter
CARRONI, Richard
(31) 982072007
(32) 19.06.2007
(33) Switzerland

(51) F02C 6/12
F04D 29/42
F04D 29/58
F02B 39/00
F01D 25/14
(11) EP2673488
(21) EP12702293.7
(47) 11.09.2019
(87) EP2012052115
16.08.2012
(22) 08.02.2012
(54) TURBOCHARGER WITH COOLED TURBINE HOUSING, COOLED BEARING HOUSING, AND A COMMON COOLANT SUPPLY
(73) Continental Automotive GmbH
(72) BOGNER, Mathias
HILLER, Marc
KÖMPEL, Ralph-Maurice
(31) 102011003901
(32) 10.02.2011
(33) Germany

(51) F02C 7/00
F02C 3/00
F02C 9/00
(11) EP2880277
(21) EP13825191.3
(47) 11.09.2019
(87) US2013051236
06.02.2014
(22) 19.07.2013
(54) REFLEX ANNULAR VENT NOZZLE
(73) United Technologies Corporation

(72) KHAN, Wasif
(31) 201213564931
(32) 02.08.2012
(33) United States of America

(51) F02C 7/32
(11) EP3219962
(21) EP17160387.1
(47) 11.09.2019
(22) 10.03.2017
(54) ONE DEGREE-OF-CONSTRAINT SEMI-FUSIBLE GEARBOX MOUNTING LINK
(73) Hamilton Sundstrand Corporation
(72) JIANG, Yiwei
BLEWETT, Michael R.
(31) 201615069420
(32) 14.03.2016
(33) United States of America

(51) F02C 7/32
F16H 1/22
(11) EP3108131
(21) EP15709258.6
(47) 11.09.2019
(87) FR2015050372
27.08.2015
(22) 16.02.2015
(54) ACCESSORY GEARBOX OF A TURBOMACHINE
(73) Safran Transmission Systems
(72) VIEL, Julien
PRUNERA-USACH, Stéphane
BRANDT, Bernard
BECQUERELLE, Samuel Raymond Germain
(31) 1451271
(32) 18.02.2014
(33) France

(51) F02C 9/18
F16K 31/122
(11) EP2813688
(21) EP14165227.1
(47) 11.09.2019
(22) 17.04.2014
(54) Integral filter and regulator for valve
(73) Hamilton Sundstrand Corporation
(72) Simpson, Scott W.
(31) 201313917312
(32) 13.06.2013
(33) United States of America

(51) F02C 9/20
F01D 17/16
F02K 3/00
(11) EP2855897
(21) EP13830407.6
(47) 11.09.2019
(87) US2013042559
27.02.2014
(22) 24.05.2013
(54) Gas turbine engine with an operating margin protection and a corresponding method
(73) United Technologies Corporation
(72) PARENTE, Wayne P.
(31) 201213487585
(32) 04.06.2012
(33) United States of America

(51) F02D 15/02
F15B 15/14
F16C 7/04
F16C 7/06
F02B 75/04
(11) EP3377742
(21) EP16812994.8
(47) 11.09.2019
(87) FR2016052984
26.05.2017
(22) 17.11.2016
(54) ROD FOR A VARIABLE COMPRESSION RATIO ENGINE
(73) MCE 5 Development
(72) DURY, Philippe
MIEHE, Yves
(31) 1561052
(32) 17.11.2015
(33) France

(51) F02D 41/00
F01N 5/04
F02B 37/00
F02B 37/007
F02B 37/12
F02B 41/10
F02B 63/04
(11) EP2986833
(21) EP13742477.6
(47) 11.09.2019
(87) FR2013050823
23.10.2014
(22) 15.04.2013
(54) METHOD FOR IMPROVING THE ENERGY EFFICIENCY OF A DRIVE SYSTEM
(73) Valeo Systèmes de Contrôle Moteur
(72) ISMAIL, Youssef
MENEGAZZI, Pascal
DECOSTER, Sylvain
ANGELOT, Pierre-Julian
CHESSE, Pascal
CHALET, David

(51) F02D 41/00
F02B 37/16
(11) EP3390797
(21) EP16819617.8
(47) 11.09.2019
(87) FR2016053264
22.06.2017
(22) 08.12.2016
(54) METHOD FOR CONTROLLING A SUPERCHARGED INTERNAL COMBUSTION ENGINE AND ASSOCIATED SUPERCHARGED ENGINE
(73) Renault S.A.S.
(72) LHERAUD, Nicolas
(31) 1562616
(32) 17.12.2015
(33) France

(51) F02D 41/00
F02D 41/14
F02D 41/24
F02D 21/08
(11) EP2513457
(21) EP10803372.1
(47) 11.09.2019
(87) EP2010007735
14.07.2011
(22) 17.12.2010
(54) METHOD FOR EXHAUST GAS RECIRCULATION
(73) DEUTZ Aktiengesellschaft
(72) FRIESEN, Andreas
(31) 102009058713
(32) 17.12.2009
(33) Germany

(51) F02D 41/00
F02D 41/14
F02D 41/40
F02D 41/02
(11) EP3144511
(21) EP16181177.3
(47) 11.09.2019
(22) 26.07.2016
(54) AIR-FUEL RATIO CONTROL METHOD AND EXHAUST GAS PURIFICATION DEVICE
(73) Bosch Corporation
(72) TAKAHASHI, Kei
(31) 2015173253
(32) 02.09.2015
(33) Japan

(51) F02D 41/02
F02D 41/14
F02D 41/24
(11) EP3158179
(21) EP15733548.0
(47) 11.09.2019
(87) JP2015003090
23.12.2015
(22) 19.06.2015
(54) CONTROL SYSTEM OF INTERNAL COMBUSTION ENGINE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) OKAZAKI, Shuntaro
NAKAGAWA, Norihisa
YAMAGUCHI, Yuji
(31) 2014126244
(32) 19.06.2014
(33) Japan

(51) F02D 41/20
F02D 41/24
F02M 51/06
F02M 57/00
(11) EP3347584
(21) EP16741260.0
(47) 11.09.2019
(87) EP2016066021
16.03.2017
(22) 06.07.2016
(54) DETECTION METHOD FOR DETECTING A GAP SIZE OF A GAP BETWEEN AN INJECTOR VALVE ASSEMBLY AND PIEZO STACK, AND ACTUATION METHOD FOR ACTUATING AN ACTUATOR UNIT IN A PIEZO STACK
(73) Continental Automotive GmbH
(72) ZUMSTRULL, Claus
KRÜGER, Grit
RICHTER, Thomas
(31) 102015217193
(32) 09.09.2015
(33) Germany

(51) F02D 41/24
(11) EP2410160
(21) EP11174414.0
(47) 11.09.2019
(22) 18.07.2011

(54) Method of providing trim data for a fuel injection device
(73) Delphi Technologies IP Limited
(72) Alsford, Henry
Heaslewood, Kevin
Leese, Michael
(31) 201012308
(32) 22.07.2010
(33) United Kingdom

(51) F02D 41/38
(11) EP2450553
(21) EP11182137.7
(47) 11.09.2019
(22) 21.09.2011
(54) Fuel injection system of a combustion engine and method for controlling same
(73) Robert Bosch GmbH
(72) Gruhl, Helmar
Ferreira Goncalves, Paulo Jorge
(31) 102010043374
(32) 04.11.2010
(33) Germany

(51) F02D 41/40
F02D 41/00
(11) EP3296550
(21) EP16465537.5
(47) 11.09.2019
(22) 19.09.2016
(54) METHOD OF OPERATING A MULTI-PULSE INJECTION SYSTEM
(73) Continental Automotive GmbH
(72) Ioanas, Gelu

(51) F02D 41/40
F02D 41/38
F02D 41/00
(11) EP3222840
(21) EP15861043.6
(47) 11.09.2019
(87) JP2015076600
26.05.2016
(22) 18.09.2015
(54) DRIVE DEVICE FOR FUEL INJECTION DEVICE
(73) Hitachi Automotive Systems, Ltd.
(72) KUSAKABE Ryo
HORII Tomoaki
KIMURA Shingo
ITAYA Takaki
NAGASE Mitsuru
YAMAOKA Shirou
(31) 2014234099
(32) 19.11.2014
(33) Japan

(51) F02F 1/24
F02F 1/40
(11) EP3027873
(21) EP14741641.6
(47) 11.09.2019
(87) EP2014065742
05.02.2015
(22) 22.07.2014
(54) VEHICLE WATER JACKET
(73) Jaguar Land Rover Limited
(72) JONES, Steve
PIERSON, Steven
FRENCH, Kevin
MCNAB, Chris
(31) 201313450
(32) 29.07.2013
(33) United Kingdom

(51) F02K 1/30
F02K 9/82
(11) EP2466100
(21) EP11193592.0
(47) 11.09.2019
(22) 14.12.2011
(54) Method and apparatus for variable exhaust nozzle exit area
(73) The Boeing Company
(72) Winkler, Chad M.
Dorgan, Andrew J.
Werner, Eric L.
(31) 968106
(32) 14.12.2010
(33) United States of America

(51) F02K 3/12
F02C 3/10
F02C 7/05
(11) EP2915988
(21) EP15157466.2
(47) 11.09.2019
(22) 03.03.2015
(54) OFFSET CORE ENGINE ARCHITECTURE
(73) United Technologies Corporation
(72) SUCIU, Gabriel L.
HILL, James D.
CHANDLER, Jesse M.
(31) 201461947036 P
201514608227
(32) 03.03.2014
29.01.2015
(33) United States of America
United States of America

(51) F02M 35/10
F01P 11/04
H02G 3/32
F16L 3/237
F16L 3/13
F16L 3/06
(11) EP2499413
(21) EP10830764.6
(47) 11.09.2019
(87) US2010056464
19.05.2011
(22) 12.11.2010
(54) CLIP FOR A PIPE OR DUCT
(73) E. I. du Pont de Nemours and Company
(72) RENAUD, Michel, C.
(31) 260444 P
(32) 12.11.2009
(33) United States of America

(51) F02M 51/06
F02M 63/00
(11) EP3346121
(21) EP17150743.7
(47) 11.09.2019
(22) 10.01.2017
(54) MAGNETIC VALVE FOR A FUEL INJECTION SYSTEM AND HIGH PRESSURE FUEL PUMP
(73) Continental Automotive GmbH
(72) Fuchs, Thomas

(51) F02M 55/02
F02M 55/04
F16L 3/10
(11) EP3361086
(21) EP18159505.9
(47) 11.09.2019
(22) 17.07.2013
(54) HOLDER FOR FIXING A TUBULAR ELEMENT ON A MOUNTED STRUCTURE
(73) Robert Bosch GmbH
(72) Rehwald, Andreas
(31) 102012216236
(32) 13.09.2012
(33) Germany

(51) F02M 55/02
F02M 61/14
F16B 5/02
F02M 69/46
F16M 13/02
F02M 63/02
(11) EP3042066
(21) EP14739116.3
(47) 11.09.2019
(87) EP2014064700
12.03.2015
(22) 09.07.2014
(54) APPARATUS COMPRISING FASTENING MEANS AND A FUEL DISTRIBUTOR FOR MOUNTING ON AN INTERNAL COMBUSTION ENGINE AND METHOD OF MANUFACTURING THE APPARATUS
(73) Robert Bosch GmbH
(72) LANG, Klaus
HAUG, Martin
FROIHOFER, Thomas
(31) 102013217810
(32) 06.09.2013
(33) Germany

(51) F02M 63/00
(11) EP3067551
(21) EP16150029.3
(47) 11.09.2019
(22) 04.01.2016
(54) CONTROL VALVE FOR A FUEL INJECTOR
(73) Robert Bosch GmbH
(72) Olems, Lars
Nierychlo, Thomas
Herrera, Mario
(31) 102015204515
(32) 12.03.2015
(33) Germany

(51) F02M 63/00
F02M 43/04
F02M 45/08
(11) EP3353413
(21) EP16744362.1
(47) 11.09.2019
(87) EP2016067676
30.03.2017
(22) 25.07.2016
(54) DEVICE FOR METERING FUEL
(73) Robert Bosch GmbH
(72) WESSNER, Jochen
KATZ, Martin
(31) 102015218257
(32) 23.09.2015
(33) Germany

(51) F02M 63/00

F02M 47/02
(11) EP3006723
(21) EP15187875.8
(47) 11.09.2019
(22) 01.10.2015
(54) FUEL INJECTION VALVE
(73) ROBERT BOSCH GMBH
(72) Olems, Lars
Griesinger, Siegbert
Clauss, Helmut
Kroeber, Volker
Tuerker, Oezguer
Herrera, Mario
Stein, Stefan
Schnaufer, Axel
(31) 102014220345
(32) 08.10.2014
(33) Germany

(51) F02M 65/00
B05B 15/00
G01F 1/00
(11) EP2347117
(21) EP09760077.9
(47) 11.09.2019
(87) AT2009000425
20.05.2010
(22) 09.11.2009
(54) METHOD FOR MEASURING FLOW PATHS IN VALVES
(73) Forschungsgesellschaft für Verbrennungskraftmaschinen und Thermodynamik mbH
(72) FIMML, Wolfgang
WIMMER, Andreas
CHMELA, Franz
(31) 17772008
(32) 17.11.2008
(33) Austria

(51) F02N 11/00
F02N 11/08
F02N 11/04
F02D 41/20
(11) EP1800001
(21) EP05804279.7
(47) 11.09.2019
(87) FR2005002356
30.03.2006
(22) 22.09.2005
(54) METHOD OF CONTROLLING A REVERSIBLE ELECTRIC MACHINE
(73) VALEO EQUIPEMENTS ELECTRIQUES MOTEUR
(72) LECOLE, Brice
LAURENCE, Magali
(31) 0410092
(32) 23.09.2004
(33) France

(51) F02N 11/04
F02N 11/08
F02D 41/20
(11) EP2140132
(21) EP08787984.7
(47) 11.09.2019
(87) FR2008050423
20.11.2008
(22) 12.03.2008
(54) SYSTEM FOR STOPPING/RESTARTING AN ENGINE WITH ALTERNATOR-STARTER
(73) Valeo Equipements Electriques Moteur
(72) LECOLE, Brice
DE VRIES, Arnaud
HOFFMANN, Christian
DELEVALLEE, Jean-Louis
(31) 0754746
(32) 27.04.2007
(33) France

(51) F02N 11/08
B60W 20/00
(11) EP2685085
(21) EP13003201.4
(47) 11.09.2019
(22) 24.06.2013
(54) ENGINE STARTING STRATEGY TO AVOID RESONANT FREQUENCY
(73) Caterpillar Inc.
(72) O'Donnell, Timothy M.
Jacobson, Evan E.
(31) 201213545527
(32) 10.07.2012
(33) United States of America

(51) F02P 9/00
F02P 23/04
H01T 13/44
H01T 13/50
H01T 13/40
(11) EP3172430
(21) EP15747113.7
(47) 11.09.2019
(87) EP2015066647
28.01.2016
(22) 21.07.2015
(54) IGNITION UNIT AND SYSTEM
(73) Apojee
(72) TINWELL, Paul
AGNERAY, André
(31) 14306183
(32) 21.07.2014
(33) European Patent Office (EPO)

(51) F03B 13/10
F03B 13/20
(11) EP2585710
(21) EP11798512.7
(47) 11.09.2019
(87) US2011001121
29.12.2011
(22) 23.06.2011
(54) SYSTEM AND METHOD FOR RENEWABLE ELECTRICAL POWER PRODUCTION USING WAVE ENERGY
(73) Cunningham, Brian T.
Morley, Daniel C.
(72) Cunningham, Brian T.
Morley, Daniel C.
(31) 398203 P
(32) 23.06.2010
(33) United States of America

(51) F03B 13/14
F03B 13/18
(11) EP3376023
(21) EP18162113.7
(47) 11.09.2019
(22) 15.03.2018
(54) PLANT TO EXPLOIT THE ENERGY OF A WATER WAVE MOTION
(73) Caria, Antonia
(72) Caria, Antonia
(31) 201700029642
(32) 17.03.2017
(33) Italy

(51) F03D 1/06
(11) EP3169895
(21) EP15735713.8
(47) 11.09.2019
(87) EP2015066039
21.01.2016
(22) 14.07.2015
(54) AN AEROSHELL EXTENDER PIECE FOR A WIND TURBINE BLADE
(73) LM WP Patent Holding A/S
(72) GARM, Jesper Hasselbalch
RASK NIELSEN, Gurli
QUIRING, Peter
(31) 14176874
(32) 14.07.2014
(33) European Patent Office (EPO)

(51) F03D 1/06
(11) EP3390811
(21) EP16815555.4
(47) 11.09.2019
(87) DK2016050421
22.06.2017
(22) 09.12.2016
(54) JOINT FOR CONNECTING A WIND TURBINE ROTOR BLADE TO A ROTOR HUB AND ASSOCIATED METHOD
(73) Vestas Wind Systems A/S
(72) BECH, Anton
(31) 201570821
(32) 14.12.2015
(33) Denmark

(51) F03D 3/06
(11) EP3318750
(21) EP16196917.5
(47) 11.09.2019
(22) 02.11.2016
(54) AN AIRFOIL AND A TURBINE APPARATUS
(73) Caren Meicnic Teoranta
(72) Caren, Colm Joseph

(51) F03D 7/02
(11) EP3015705
(21) EP15191328.2
(47) 11.09.2019
(22) 23.10.2015
(54) SYSTEM AND METHOD FOR ADAPTIVE ROTOR IMBALANCE CONTROL
(73) General Electric Company
(72) MARWAHA, Monika
GERBER, Brandon Shane
GHANDI, Jignesh Govindlal
CARDINAL, Mark Edward
PERLEY, Thomas Franklin
(31) 201414524229
(32) 27.10.2014
(33) United States of America

(51) F03D 7/02
F03D 7/04
(11) EP3237752
(21) EP15802119.6

(47) 11.09.2019
(87) EP2015078174
30.06.2016
(22) 01.12.2015
(54) OPTIMAL WIND FARM OPERATION
(73) ABB Schweiz AG
(72) FRANKE, Carsten
KULKARNI, Kedar
TIMBUS, Adrian
POLAND, Jan
MASTELLONE, Silvia
ZHANG, Yan
(31) 14200106
(32) 23.12.2014
(33) European Patent Office (EPO)

(51) F03D 80/30
(11) EP2935880
(21) EP13824121.1
(47) 11.09.2019
(87) EP2013003904
26.06.2014
(22) 23.12.2013
(54) METHOD FOR ARRESTING THE ELECTRIC ENERGY OF A LIGHTNING STRIKING A WIND TURBINE, AND WIND TURBINE
(73) 2-B Energy B.V.
(72) JAKOBSSON, Mikael
PEELS, Herbert
(31) 102012113075
(32) 22.12.2012
(33) Germany

(51) F03D 80/40
(11) EP3203066
(21) EP17154368.9
(47) 11.09.2019
(22) 02.02.2017
(54) SYSTEM AND METHOD FOR DE-ICING A WIND TURBINE ROTOR BLADE
(73) General Electric Company
(72) DRAPER, Samuel David
(31) 201615012962
(32) 02.02.2016
(33) United States of America

(51) F03D 80/40
F03D 80/50
(11) EP3312418
(21) EP16194856.7
(47) 11.09.2019
(22) 20.10.2016
(54) A METHOD AND SYSTEM FOR PERFORMING MAINTENANCE SUCH AS DE-ICING OF A ROTOR BLADE OF A WIND TURBINE ROTOR
(73) LM WP Patent Holding A/S
(72) Kjær, Nielsen, Finn
Philipsen, Morten

(51) F03G 7/06
(11) EP3149327
(21) EP15731858.5
(47) 11.09.2019
(87) EP2015062047
03.12.2015
(22) 29.05.2015
(54) BUNDLE HOLDER FOR USE IN AN ENERGY RECOVERY DEVICE
(73) Exergyn Ltd.
(72) CULLEN, Barry
O'TOOLE, Kevin
TIRCA-DRAGOMIRESCU, Geogiana
WARREN, Keith
BEIRNE, Rory
(31) 201409679
(32) 30.05.2014
(33) United Kingdom

(51) F03H 1/00
(11) EP2783112
(21) EP12795572.2
(47) 11.09.2019
(87) FR2012052659
30.05.2013
(22) 19.11.2012
(54) HALL-EFFECT THRUSTER
(73) Safran Aircraft Engines
(72) MARCHANDISE, Frédéric Raphaël Jean
LORAND, Anthony Claude Bernard
VIAL, Vanessa Marjorie
(31) 1160635
(32) 22.11.2011
(33) France

(51) F04B 1/14
F04B 1/18
F04B 53/00
F04B 53/10
F04B 53/16
F04B 53/22
A61B 17/3203
(11) EP3258101
(21) EP16174463.6
(47) 11.09.2019
(22) 14.06.2016
(54) PUMP MODULE AND DEVICE FOR PRODUCING A FLUID JET
(73) MEDAXIS AG
(72) WIDMER, Beat
GOOD, Roman
CHRISTEN, Lukas
BÜTLER, Martin
NAPOLETANO, Daniel
MOSER, Beat
ZWEIFEL, Adrian

(51) F04B 1/20
(11) EP3417171
(21) EP17745216.6
(47) 11.09.2019
(87) US2017036042
28.12.2017
(22) 16.06.2017
(54) HYDRAULIC PUMP WITH INLET BAFFLE
(73) Parker Hannifin Corporation
Dyminski, Daniel
(72) DYMINSKI, Daniel
(31) 201662346137 P
(32) 06.06.2016
(33) United States of America

(51) F04B 27/14
F16K 31/06
B60H 1/32
(11) EP3404262
(21) EP18179709.3
(47) 11.09.2019
(22) 29.01.2014
(54) CAPACITY CONTROL VALVE
(73) Eagle Industry Co., Ltd.
(72) Higashidozono, Hideki
Shirafuji, Keigo
Kanzaki, Toshinori
(31) 2013017585
(32) 31.01.2013
(33) Japan

(51) F04B 39/00
F04C 29/00
H02K 7/14
H02K 11/00
H02M 7/48
(11) EP2362098
(21) EP09834650.5
(47) 11.09.2019
(87) JP2009069317
01.07.2010
(22) 13.11.2009
(54) INVERTER-INTEGRATED ELECTRIC COMPRESSOR
(73) Mitsubishi Heavy Industries, Ltd.
(72) NIWA, Kazuki
HATTORI, Makoto
ASAI, Masahiko
KAWASHIMA, Toyohisa
NAKAGAMI, Takashi
NAKANO, Koji
(31) 2008325788
(32) 22.12.2008
(33) Japan

(51) F04B 39/10
F04B 53/10
F04B 45/04
(11) EP3093492
(21) EP14855232.6
(47) 11.09.2019
(87) CN2014089475
30.04.2015
(22) 24.10.2014
(54) VALVE CLACK AND AIR PUMP HAVING SAME
(73) Xiamen Koge Micro Tech Co., Ltd
(72) ZHANG, Kunlin
(31) 201310512092
201310514092
201310512134
201420565479 U
(32) 25.10.2013
25.10.2013
25.10.2013
28.09.2014
(33) China
China
China
China

(51) F04B 41/06
F04B 23/04
F04B 23/06
F04B 43/08
F04B 49/06
F04B 49/08
F04B 49/10
F04B 51/00
(11) EP1960670
(21) EP06844456.1
(47) 11.09.2019
(87) US2006044985
14.06.2007
(22) 20.11.2006

(54) SYSTEM AND METHOD FOR OPERATION OF A PUMP
(73) Entegris, Inc.
(72) GONNELLA, George
CEDRONE, James
(31) 292559
364286
(32) 02.12.2005
28.02.2006
(33) United States of America
United States of America

(51) F04C 23/00
(11) EP3225849
(21) EP17163070.0
(47) 11.09.2019
(22) 27.03.2017
(54) ROTARY COMPRESSOR
(73) Fujitsu General Limited
(72) KOMAI, Yuji
ONOMURA, Masayuki
FUKUDA, Tetsuo
MOROZUMI, Naoya
(31) 2016063879
(32) 28.03.2016
(33) Japan

(51) F04C 23/02
F04C 29/00
F04C 18/02
(11) EP2620648
(21) EP13151794.8
(47) 11.09.2019
(22) 18.01.2013
(54) Motor-driven compressor and method for manufacturing the same
(73) Kabushiki Kaisha Toyota Jidoshokki
(72) Yamada, Tetsuya
Ito, Tatsuya
Suitou, Ken
(31) 2012010350
(32) 20.01.2012
(33) Japan

(51) F04C 27/00
F04C 29/12
F04C 23/00
F04C 28/24
F04C 18/02
F04C 28/26
(11) EP2940306
(21) EP15165939.8
(47) 11.09.2019
(22) 30.04.2015
(54) SCROLL COMPRESSOR
(73) LG Electronics Inc.
(72) Yun, Juhwan
Kim, Taeyeon
Kim, Suchul
Jin, Honggyun
(31) 20140053400
20140053654
(32) 02.05.2014
02.05.2014
(33) Korea (Republic)
Korea (Republic)

(51) F04C 28/16
F04C 28/18
F04C 28/12
F04C 28/06
F04C 28/26
F04C 18/16
(11) EP2411677
(21) EP10713066.8
(47) 11.09.2019
(87) US2010028966
30.09.2010
(22) 26.03.2010
(54) COMPRESSOR WITH A BYPASS PORT
(73) Johnson Controls Technology Company
(72) NEMIT, JR., Paul
COMSTOCK, Angela Marie
KOPKO, William L.
(31) 163647 P
(32) 26.03.2009
(33) United States of America

(51) F04C 29/00
F04B 39/10
F04B 27/10
F04B 39/12
F04D 29/40
F16L 19/04
(11) EP3399192
(21) EP18401044.5
(47) 11.09.2019
(22) 26.04.2018
(54) COMPRESSOR HOUSING
(73) MAN Energy Solutions SE
(72) Suter, Roger
Betschart, Michael
(31) 102017207366
(32) 02.05.2017
(33) Germany

(51) F04D 7/04
F04D 29/22
B01F 5/16
(11) EP2535589
(21) EP12168833.7
(47) 11.09.2019
(22) 22.05.2012
(54) Cutting assembly pump
(73) KSB SE & Co. KGaA
(72) Jäger, Christoph
Witzel, Rolf
(31) 102011077544
(32) 15.06.2011
(33) Germany

(51) F04D 13/12
F04D 15/00
(11) EP3172445
(21) EP15738683.0
(47) 11.09.2019
(87) EP2015066473
28.01.2016
(22) 17.07.2015
(54) COOLANT PUMP WITH INTEGRATED CLOSED-LOOP CONTROL
(73) NIDEC GPM GmbH
(72) HOFFMANN, Jens
PAWELLEK, Franz
(31) 102014110231
102015109966
(32) 21.07.2014
22.06.2015
(33) Germany
Germany

(51) F04D 17/16
F04D 19/00
F04D 29/60
F04D 29/66
(11) EP2898221
(21) EP13745608.3
(47) 11.09.2019
(87) EP2013065627
27.03.2014
(22) 24.07.2013
(54) IMPELLER HAVING BALANCE COMPENSATION
(73) EBM-Papst Mulfingen GmbH&CO. KG
(72) MOLL, Jürgen
HAMMEL, Christian
(31) 202012103554 U
(32) 18.09.2012
(33) Germany

(51) F04D 25/06
F04D 25/08
F04D 29/42
F04D 29/58
H02K 11/33
H02K 5/04
H02K 5/15
H02K 5/173
H02K 9/14
H02K 9/06
H02K 9/22
(11) EP2903141
(21) EP15152891.6
(47) 11.09.2019
(22) 28.01.2015
(54) Motor
(73) Samsung Electronics Co., Ltd.
(72) Bang, Myung Bae
Park, Tae Sang
Kim, Nam Su
Kim, Young Kwan
In, Byung Ryel
Kim, Deok Jin
Lee, Seung Yeol
(31) 20140011616
(32) 29.01.2014
(33) Korea (Republic)

(51) F04D 25/08
F04D 25/14
F24C 15/20
(11) EP3037673
(21) EP15199336.7
(47) 11.09.2019
(22) 10.12.2015
(54) SUCTION DEVICE FOR A HOOD
(73) Whirlpool EMEA S.p.A
(72) SANTUCCI, Mauro
(31) TO20141085
(32) 22.12.2014
(33) Italy

(51) F04D 25/08
F04D 29/42
F04D 29/62
F24C 15/20
(11) EP3037672
(21) EP15199258.3
(47) 11.09.2019
(22) 10.12.2015
(54) ADAPTER IN A SUCTION DEVICE FOR A HOOD
(73) Whirlpool EMEA S.p.A
(72) SANTUCCI, Mauro
(31) TO20141084

(32) 22.12.2014
(33) Italy

(51) F04D 29/36
(11) EP2739860
(21) EP12740612.2
(47) 11.09.2019
(87) EP2012064928
07.02.2013
(22) 31.07.2012
(54) AXIAL BLOWER
(73) Novenco Building & Industry A/S
(72) RASMUSSEN, Martin
HOLT, Peter
(31) 201170429
(32) 04.08.2011
(33) Denmark

(51) F04D 29/42
F04D 29/44
F04D 1/06
(11) EP2653727
(21) EP11848993.9
(47) 11.09.2019
(87) JP2011078734
21.06.2012
(22) 13.12.2011
(54) MULTISTAGE PUMP
(73) Kubota Corporation
(72) NAGAOKA, Keisuke
HASHIMOTO, Yasushi
NOGUCHI, Makoto
NAKANO, Daisuke
(31) 2010277557
2011269503
(32) 14.12.2010
09.12.2011
(33) Japan
Japan

(51) F04D 29/54
F04D 29/64
F04D 29/60
(11) EP2739861
(21) EP12740606.4
(47) 11.09.2019
(87) EP2012064908
07.02.2013
(22) 31.07.2012
(54) AXIAL BLOWER
(73) Novenco Building & Industry A/S
(72) RASMUSSEN, Martin
BERGLUND, Andreas
(31) 201170428
(32) 04.08.2011
(33) Denmark

(51) F15B 11/024
F15B 11/044
E02F 9/22
(11) EP2610503
(21) EP12198878.6
(47) 11.09.2019
(22) 21.12.2012
(54) Hydraulic circuit for construction machine
(73) Kobelco Construction Machinery Co., Ltd.
(72) Oguma, Shota
Ueda, Koji
(31) 2011288332
(32) 28.12.2011
(33) Japan

(51) F15B 11/028
E02F 9/22
F15B 19/00
(11) EP2657536
(21) EP11850636.9
(47) 11.09.2019
(87) JP2011078291
28.06.2012
(22) 07.12.2011
(54) RELIEF PRESSURE CONTROL DEVICE FOR HYDRAULIC WORK MACHINE
(73) Hitachi Construction Machinery Co., Ltd.
(72) AZUMA Hiroyuki
NAKAMURA Tsuyoshi
TSUKADA Hidenobu
SATO Kensuke
OKANO Yasuo
(31) 2010286227
(32) 22.12.2010
(33) Japan

(51) F15B 13/02
E02F 9/22
F15B 13/043
(11) EP2660477
(21) EP10861258.1
(47) 11.09.2019
(87) KR2010009404
05.07.2012
(22) 28.12.2010
(54) METHOD OF CONTROLLING THE FLOW RATE OF A VARIABLE CAPACITY HYDRAULIC PUMP FOR A CONSTRUCTION APPARATUS
(73) Volvo Construction Equipment AB
(72) SHIN, Hung-Ju

(51) F16B 2/14
F16B 9/02
E04F 11/18
(11) EP3323958
(21) EP17192624.9
(47) 11.09.2019
(22) 22.09.2017
(54) ARRANGEMENT FOR ATTACHING A PANEL TO A GROOVE BY TWO OPPOSING WEDGES
(73) SB Ingénierie
(72) DAGAND, Cyril
BORROD, Wilfried
(31) 1661143
(32) 17.11.2016
(33) France

(51) F16B 5/02
F16B 29/00
F16B 35/06
(11) EP3074642
(21) EP14796045.4
(47) 11.09.2019
(87) EP2014073912
04.06.2015
(22) 06.11.2014
(54) ASSEMBLY FOR CONNECTING AT LEAST TWO COMPONENTS USING A SCREW CONNECTION
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) STANGL, Matthias
(31) 102013224550
(32) 29.11.2013
(33) Germany

(51) F16B 5/12
F16B 2/24
F16B 5/06
F16B 21/08
(11) EP3452732
(21) EP18727777.7
(47) 11.09.2019
(87) EP2018063773
06.12.2018
(22) 25.05.2018
(54) CLIP FOR FASTENING A FIRST ELEMENT TO A SECOND ELEMENT AND DEVICE WITH A CLIP OF THIS KIND
(73) A. Raymond et Cie
(72) BINKERT, Sven
(31) 102017005352
(32) 29.05.2017
(33) Germany

(51) F16B 12/10
A47B 47/00
A47B 47/04
(11) EP3234380
(21) EP15870468.4
(47) 11.09.2019
(87) SE2015051366
23.06.2016
(22) 17.12.2015
(54) PANELS COMPRISING A MECHANICAL LOCKING DEVICE
(73) Välinge Innovation AB
(72) BOO, Christian
DERELÖV, Peter
(31) 1451611
(32) 19.12.2014
(33) Sweden

(51) F16B 21/07
F16B 5/06
(11) EP3094869
(21) EP14816180.5
(47) 11.09.2019
(87) EP2014077267
16.07.2015
(22) 10.12.2014
(54) COMPONENT CONNECTION AND METHOD FOR CONNECTING TWO COMPONENTS
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) HAMMER, Maik
NIEKERK, Johann
(31) 102014200391
(32) 13.01.2014
(33) Germany

(51) F16B 25/00
F16B 37/12
(11) EP3359828
(21) EP16774962.1
(47) 11.09.2019
(87) EP2016073628
13.04.2017
(22) 04.10.2016
(54) THREAD MOULDING SCREW WITH SEPARATE THREAD SPIRAL AND DIFFERENT FLANK PORTION ANGLES
(73) Hilti Aktiengesellschaft
(72) HAKENHOLT, Christoph

WINKLER, Bernhard
SCHNEIDER, Roland
SPRING, Robert
NGUYEN, Huu Toan
(31) 15188544
(32) 06.10.2015
(33) European Patent Office (EPO)

(51) F16B 31/02
G01L 5/24
(11) EP3320219
(21) EP16757275.9
(47) 11.09.2019
(87) FR2016051749
12.01.2017
(22) 08.07.2016
(54) SCREW INSTRUMENTED WITH EXTENSOMETRIC STRAIN GAUGES TO MEASURE THE TENSILE AND/OR SHEAR STRAIN EXPERIENCED BY THE SCREW
(73) Texys.FR
Demeocq, Etienne
(72) DEMEOCQ, Etienne
(31) 1556518
(32) 09.07.2015
(33) France

(51) F16B 41/00
B60B 3/16
F16B 31/02
F16B 1/00
(11) EP2986861
(21) EP14785472.3
(47) 11.09.2019
(87) AU2014000449
23.10.2014
(22) 17.04.2014
(54) POSITION INDICATOR FOR A THREADED FIXING MEMBER
(73) Hexchex Pty Ltd.
(72) LIVINGSTONE, Alexander
LIVINGSTONE, Norman
BOURNE-MULLEN, Sean
(31) 2013901363
(32) 18.04.2013
(33) Australia

(51) F16C 11/06
F16C 33/10
(11) EP3374650
(21) EP16798907.8
(47) 11.09.2019
(87) US2016061213
18.05.2017
(22) 10.11.2016
(54) SOCKET ASSEMBLY
(73) Federal-Mogul Motorparts LLC
(72) PARKER, Glen, C.
BRETZ, Kurt, R.
(31) 201562253281 P
201615209100
(32) 10.11.2015
13.07.2016
(33) United States of America
United States of America

(51) F16C 11/10
F16C 11/06
(11) EP2943694
(21) EP14704898.7
(47) 11.09.2019
(87) IB2014058232
17.07.2014
(22) 13.01.2014
(54) ADJUSTABLE SPHERICAL JOINT MEMBER
(73) Tecres S.P.A.
(72) FACCIOLI, Giovanni
SOFFIATTI, Renzo
(31) VR20130006
(32) 11.01.2013
(33) Italy

(51) F16C 23/08
F16C 33/78
B63B 39/06
F16C 19/38
(11) EP2729712
(21) EP12732637.9
(47) 11.09.2019
(87) EP2012062791
17.01.2013
(22) 02.07.2012
(54) SPHERICAL ROLLER BEARING WITH SEALING ASSEMBLY AND FIN STABILIZER WITH THE SPHERICAL ROLLER BEARING
(73) Schaeffler Technologies AG & Co. KG
(72) BREETZMANN, Philipp
BERESCH, Eduard
(31) 102011078840
(32) 08.07.2011
(33) Germany

(51) F16C 25/08
F16C 33/66
F16C 35/04
(11) EP2601421
(21) EP11723003.7
(47) 11.09.2019
(87) EP2011002578
09.02.2012
(22) 24.05.2011
(54) METHOD FOR PRODUCING VARIANTS OF A MODEL RANGE OF BEARING ARRANGEMENTS
(73) Sew-Eurodrive GmbH & Co. KG
(72) KNAUS, Thomas
STARK, Michael
(31) 102010033450
(32) 05.08.2010
(33) Germany

(51) F16C 32/04
F16C 39/06
(11) EP3306123
(21) EP16799348.4
(47) 11.09.2019
(87) CN2016083588
01.12.2016
(22) 27.05.2016
(54) MAGNETIC BEARING CONTROL METHOD AND CONTROL DEVICE
(73) Gree Green Refrigeration Technology Center Co., Ltd. of Zhuhai
(72) HU, Daofu
HU, Yusheng
GUO, Weilin
HE, Yongling
YANG, Bin
LI, Xue
(31) 201510278938
201610064830
(32) 27.05.2015
29.01.2016
(33) China
China

(51) F16C 33/37
F16C 23/08
F16C 19/40
F16C 43/06
(11) EP3018374
(21) EP15189880.6
(47) 11.09.2019
(22) 15.10.2015
(54) SPACER DEVICE, TOROIDAL ROLLER BEARING AND METHOD
(73) Aktiebolaget SKF
(72) Kellström, Magnus
(31) 1451331
(32) 07.11.2014
(33) Sweden

(51) F16D 1/08
F16D 1/104
F16D 65/12
(11) EP3263935
(21) EP16176686.0
(47) 11.09.2019
(22) 28.06.2016
(54) BRAKE DISK UNIT
(73) Kochsiek, Adolf
(72) Kochsiek, Adolf

(51) F16D 3/2237
F16D 3/20
(11) EP2505863
(21) EP10833246.1
(47) 11.09.2019
(87) JP2010070985
03.06.2011
(22) 25.11.2010
(54) FIXED TYPE CONSTANT VELOCITY UNIVERSAL JOINT
(73) NTN Corporation
(72) SONE, Keisuke
OOBA, Hirokazu
YOSHIDA, Kazuhiko
ITOU, Kiyohiro
(31) 2009268907
2010261532
(32) 26.11.2009
24.11.2010
(33) Japan
Japan

(51) F16D 7/02
F16D 41/20
F16H 55/36
(11) EP2870374
(21) EP13721845.9
(47) 11.09.2019
(87) US2013037515
09.01.2014
(22) 22.04.2013
(54) ISOLATOR DECOUPLER
(73) Gates Corporation
(72) SCHNEIDER, Dean
SERKH, Alexander
WARD, Peter
(31) 201213541216
(32) 03.07.2012

(33) United States of America

(51) F16D 13/70
F16D 21/06
(11) EP3371474
(21) EP16787879.2
(47) 11.09.2019
(87) EP2016075987
11.05.2017
(22) 27.10.2016
(54) TRANSMISSION SYSTEM COMPRISING A DUAL WET-CLUTCH MECHANISM
(73) Valeo Embrayages
(72) DOLE, Arnaud
THIBAUT, François
ARHAB, Rabah
(31) 1560662
(32) 06.11.2015
(33) France

(51) F16D 55/227
F16D 65/56
(11) EP3120038
(21) EP15710782.2
(47) 11.09.2019
(87) EP2015055714
24.09.2015
(22) 18.03.2015
(54) DISC BRAKE AND BRAKE ACTUATION MECHANISM FOR A DISC BRAKE
(73) Haldex Brake Products AB
(72) SANDBERG, Stefan
(31) 202014002459 U
(32) 19.03.2014
(33) Germany

(51) F16D 65/66
(11) EP3320222
(21) EP16736490.0
(47) 11.09.2019
(87) EP2016066378
19.01.2017
(22) 11.07.2016
(54) ADJUSTING DEVICE FOR A DISC BRAKE
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) BAUMGARTNER, Johann
(31) 102015111166
(32) 10.07.2015
(33) Germany

(51) F16F 1/38
F16F 15/08
(11) EP3228898
(21) EP15864607.5
(47) 11.09.2019
(87) JP2015005588
09.06.2016
(22) 09.11.2015
(54) VIBRATION-DAMPING DEVICE AND METHOD OF ATTACHING A VIBRATION-DAMPING DEVICE
(73) Bridgestone Corporation
(72) SATO, Nobuaki
KAWADA, Masayoshi
(31) 2014244309
2015107423
(32) 02.12.2014
27.05.2015
(33) Japan

(51) F16F 9/32
F16F 1/12
F16F 9/54
(11) EP3124823
(21) EP15768923.3
(47) 11.09.2019
(87) JP2015057916
01.10.2015
(22) 17.03.2015
(54) SHOCK ABSORBER
(73) KYB Corporation
HONDA MOTOR CO., LTD.
(72) ANDO, Kazuma
OHTA, Yasutaka
TAKAMI, Koji
(31) 2014067926
(32) 28.03.2014
(33) Japan

(51) F16F 9/38
F16F 9/05
(11) EP3372864
(21) EP17465508.4
(47) 11.09.2019
(22) 07.03.2017
(54) AIR SPRING WITH A BELLOWS-TYPE CONNECTION
(73) Continental Teves AG & Co. OHG
(72) Cotora, Ionut
Wehaus, Holger

(51) F16F 9/49
F16F 9/516
F16F 9/06
(11) EP2732183
(21) EP12733677.4
(47) 11.09.2019
(87) EP2012063030
17.01.2013
(22) 04.07.2012
(54) SUSPENSION METHOD AND SHOCK-ABSORBING DEVICE FOR AN AUTOMOBILE
(73) Bianchi, Mauro
(72) BIANCHI, Mauro
(31) 1156289
(32) 11.07.2011
(33) France

(51) F16F 9/512
(11) EP3022460
(21) EP14790144.1
(47) 11.09.2019
(87) FR2014051840
22.01.2015
(22) 17.07.2014
(54) SHOCK ABSORBER FOR A VEHICLE
(73) Bossard, Olivier
(72) Bossard, Olivier
(31) 1357017
(32) 17.07.2013
(33) France

(51) F16F 15/139
(11) EP2886907
(21) EP14194137.7
(47) 11.09.2019
(22) 20.11.2014
(54) A secondary set of a dual mass flywheel, especially for a motor vehicle.
(73) Valeo Embrayages
(72) Lanfranco, Gianbattista
(31) 1363285
(32) 20.12.2013
(33) France

(51) F16G 1/10
F16G 1/28
(11) EP3359845
(21) EP16741942.3
(47) 11.09.2019
(87) EP2016067606
13.04.2017
(22) 25.07.2016
(54) V-RIBBED BELT
(73) ContiTech Antriebssysteme GmbH
(72) KANZOW, Henning
BONKOWSKI, Manfred
GREINER, Christian
OBERT, Markus
BROIANIGO, Felicitas
(31) 102015219235
(32) 06.10.2015
(33) Germany

(51) F16G 13/16
H02G 11/00
(11) EP2463546
(21) EP10425379.4
(47) 11.09.2019
(22) 10.12.2010
(54) Metallic energy chain
(73) Findalto S.r.l.
(72) Mauri, Giovanni

(51) F16H 7/08
F16H 7/18
(11) EP3201494
(21) EP15770805.8
(47) 11.09.2019
(87) EP2015001908
07.04.2016
(22) 25.09.2015
(54) CHAIN DRIVE HAVING A PLURALITY OF SLIDING ELEMENTS
(73) IWIS Motorsysteme GmbH & Co. KG
(72) PERISSINOTTO, Renzo
GEIBEL, Henning
(31) 102014014720
102015008877
(32) 02.10.2014
08.07.2015
(33) Germany
Germany

(51) F16H 7/12
B65G 41/00
(11) EP3403004
(21) EP16823274.2
(47) 11.09.2019
(87) EP2016082157
20.07.2017
(22) 21.12.2016
(54) BELT-TENSIONING DEVICE
(73) Kleemann GmbH
(72) LEBENDER, Frank
DANIEL, Andreas
BELOSEVIC, Vjekoslav
KÖHLER, Tobias
FÜLLER, Karl
BLESSING, Otto
(31) 102016100509

(32) 13.01.2016
(33) Germany

(51) F16H 15/52
F16H 15/20
(11) EP2706266
(21) EP12782889.5
(47) 11.09.2019
(87) JP2012061367
15.11.2012
(22) 27.04.2012
(54) PLANETARY FRICTION GEAR CONTINUOUSLY VARIABLE TRANSMISSION
(73) Isuzu Motors, Ltd.
(72) OZAKI Shou
YAMAMOTO Yasushi
YABE Hirotsugu
(31) 2011103502
(32) 06.05.2011
(33) Japan

(51) F16H 19/06
F16G 13/04
F16G 13/20
B66F 3/06
(11) EP2700844
(21) EP12774681.6
(47) 11.09.2019
(87) JP2012056703
26.10.2012
(22) 15.03.2012
(54) ENGAGEMENT CHAIN UNIT
(73) Tsubakimoto Chain Co.
(72) SAJI, Tomoyuki
MURAKAMI, Keisuke
(31) 2011094434
(32) 20.04.2011
(33) Japan

(51) F16H 49/00
B62M 6/55
F16H 25/06
(11) EP2625441
(21) EP11830282.7
(47) 11.09.2019
(87) IB2011054431
12.04.2012
(22) 07.10.2011
(54) GEAR, MOTOR-GEAR UNIT, VEHICLE, GENERATOR WITH A GEAR, AND FORCE TRANSMITTING ELEMENT
(73) TQ-Systems GmbH
(72) HOEBEL, Rudi
ROSSBERGER, Antonius Georg
(31) PCT/IB2010/054535
(32) 07.10.2010
(33) World Intellectual Property Office (WIPO)

(51) F16H 57/04
F16H 57/08
F02C 7/36
F01D 25/18
(11) EP2719927
(21) EP13185153.7
(47) 11.09.2019
(22) 19.09.2013
(54) Oil scavenge arrangement
(73) Rolls-Royce plc
(72) Hancox, Michael
(31) 201218310
(32) 12.10.2012
(33) United Kingdom

(51) F16H 57/04
F16H 61/00
F01M 1/02
F01M 5/00
F01M 5/02
(11) EP3312477
(21) EP17196815.9
(47) 11.09.2019
(22) 17.10.2017
(54) OIL SUPPLY SYSTEM
(73) AISIN SEIKI KABUSHIKI KAISHA
(72) HATA, Hirokazu
(31) 2016207017
(32) 21.10.2016
(33) Japan

(51) F16H 59/02
B60K 20/02
(11) EP3124833
(21) EP16178419.4
(47) 11.09.2019
(22) 07.07.2016
(54) DEVICE FOR MODIFYING SPEED RATIOS WITH A GUIDE CHANNEL FOR THE REVERSE CABLE
(73) PSA Automobiles SA
(72) ORHANT, MATHIEU
POIRRIER, PASCAL
SAILLARD, LAURENT
(31) 1557236
(32) 29.07.2015
(33) France

(51) F16H 59/44
F16H 59/04
F16H 61/16
F16H 61/22
(11) EP3333461
(21) EP17200110.9
(47) 11.09.2019
(22) 06.11.2017
(54) DEVICE FOR CONTROLLING THE GEAR SHIFTING OF A MANUAL GEARBOX OF A VEHICLE ACCORDING TO THE SPEED
(73) PSA Automobiles SA
(72) FALCOZ, MARC
GALVIN, MATHIAS
FERREIRA TAVARES, EDUARDO
(31) 1661975
(32) 06.12.2016
(33) France

(51) F16H 61/06
F16H 63/50
F16H 61/04
(11) EP3364077
(21) EP18157262.9
(47) 11.09.2019
(22) 16.02.2018
(54) SHIFT CONTROL DEVICE OF VEHICLE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) TSUKAMOTO, Norihiro
ASAMI, Tomohiro
(31) 2017028260
(32) 17.02.2017
(33) Japan

(51) F16H 61/22
(11) EP3405703
(21) EP16702310.0
(47) 11.09.2019
(87) US2016013900
27.07.2017
(22) 19.01.2016
(54) SHIFTER ASSEMBLY FOR A VEHICLE AND A METHOD OF OPERATING THE SAME
(73) Kongsberg Driveline Systems I, Inc.
(72) LOVE, Jonathan, Warner

(51) F16J 1/22
F16C 7/04
F16C 11/06
F16C 7/06
F02B 75/04
F16C 23/10
F02D 15/02
F16J 1/14
(11) EP3268641
(21) EP16701741.7
(47) 11.09.2019
(87) EP2016051397
15.09.2016
(22) 25.01.2016
(54) CONNECTING ROD WITH A BALL AND SOCKET JOINT
(73) Hilite Germany GmbH
(72) KAUFMANN, Dietmar
SCHULZE, Dietmar
(31) 102015103467
(32) 10.03.2015
(33) Germany

(51) F16J 15/06
F16J 15/3236
B01F 7/00
B01F 15/00
(11) EP2990101
(21) EP14182889.7
(47) 11.09.2019
(22) 29.08.2014
(54) System for removing the seal of a ball-and-socket joint
(73) Milton Roy Europe
(72) Bulat, Stéphane
Alex, Arnaud

(51) F16J 15/14
F01D 5/08
B21K 3/04
B23P 6/00
F01D 5/00
C23C 4/02
F23R 3/00
F01D 5/28
(11) EP2935951
(21) EP13864840.7
(47) 11.09.2019
(87) US2013068750
26.06.2014
(22) 06.11.2013
(54) CLOSURE OF COOLING HOLES WITH A FILLING AGENT
(73) United Technologies Corporation
(72) BOGUE, William
PRIHAR, Ron, I.P.E.
(31) 201213722253
(32) 20.12.2012
(33) United States of America

(51) F16J 15/16

F16J 15/54
(11) EP3144567
(21) EP16179974.7
(47) 11.09.2019
(22) 27.02.2009
(54) DYNAMIC SEALING
(73) A.W. Chesterton Company
(72) AZIBERT, Henri
BERNOTH, Steven
(31) 39208
(32) 28.02.2008
(33) United States of America

(51) F16J 15/3208
(11) EP3339694
(21) EP17206710.0
(47) 11.09.2019
(22) 12.12.2017
(54) SEALING RING OF A TRANSLATORY COMPONENT
(73) Herbert Hänchen GmbH & Co. KG.
(72) Wagner, Klaus
(31) 102016225551
(32) 20.12.2016
(33) Germany

(51) F16J 15/44
F01D 11/02
(11) EP3196518
(21) EP17152605.6
(47) 11.09.2019
(22) 23.01.2017
(54) SEAL SHOE FOR A HYDROSTATIC NON-CONTACT SEAL DEVICE
(73) United Technologies Corporation
(72) PETERS, Christopher J
(31) 201615004533
(32) 22.01.2016
(33) United States of America

(51) F16K 1/32
F16K 1/34
F16K 1/38
F16K 1/42
F16K 15/06
F16K 15/20
B60C 29/00
(11) EP3339697
(21) EP16886374.4
(47) 11.09.2019
(87) JP2016058958
27.07.2017
(22) 22.03.2016
(54) VALVE CORE
(73) Pacific Industrial Co., Ltd.
(72) YAMAMOTO Masahiko
AIMOTO Masatoshi
(31) 2016010250
(32) 22.01.2016
(33) Japan

(51) F16K 11/087
(11) EP3037700
(21) EP16000073.3
(47) 11.09.2019
(22) 05.06.2012
(54) METHOD FOR FILLING OR REMOVAL OF HEATING MEDIUM
(73) Delta Systemtechnik GmbH
(72) Geck, Thomas

(51) F16K 17/32
F16L 55/10
F16K 17/02
F16L 55/128
(11) EP2851592
(21) EP14185851.4
(47) 11.09.2019
(22) 22.09.2014
(54) Inspection device suitable for insertion into a pipeline
(73) GRDF
(72) Gachenot, Eric
Soleau, Pierre
(31) 1359154
(32) 24.09.2013
(33) France

(51) F16K 25/00
F16K 27/00
B01J 8/00
(11) EP2598783
(21) EP11737964.4
(47) 11.09.2019
(87) EP2011063133
02.02.2012
(22) 29.07.2011
(54) METHOD FOR METERING A CATALYST SLURRY
(73) Total Research & Technology Feluy
(72) DEWACHTER, Daan
BEKAERT, Daniel
(31) 10171371
(32) 30.07.2010
(33) European Patent Office (EPO)

(51) F16K 31/06
(11) EP3324086
(21) EP15898304.9
(47) 11.09.2019
(87) JP2015070334
19.01.2017
(22) 15.07.2015
(54) VALVE DEVICE
(73) Nissan Motor Co., Ltd.
(72) HANADA, Tomoyuki
TAKEMOTO, Shinichiro

(51) F16K 31/143
B65D 90/34
F16K 24/00
F16K 24/06
F16K 27/02
(11) EP3371494
(21) EP16781098.5
(47) 11.09.2019
(87) EP2016074261
11.05.2017
(22) 11.10.2016
(54) TANK PROTECTION VALVE AND TANK
(73) Evoguard GmbH
(72) SAUER, Martin
(31) 102015221896
(32) 06.11.2015
(33) Germany

(51) F16K 31/163
F15B 15/06
(11) EP3329164
(21) EP16763569.7
(47) 11.09.2019
(87) IB2016054440
02.02.2017
(22) 26.07.2016
(54) ACTUATOR FOR VALVES
(73) Flowserve S.r.l.
(72) PELLINGHELLI, Ferruccio
PELLINGHELLI, Davide
CONTARDI, Ivo
(31) UB20152515
(32) 27.07.2015
(33) Italy

(51) F16K 37/00
F16K 3/02
G01N 29/12
(11) EP2938911
(21) EP13821623.9
(47) 11.09.2019
(87) US2013078017
03.07.2014
(22) 27.12.2013
(54) GATE VALVE REAL TIME HEALTH MONITORING SYSTEMS
(73) Vetco Gray Inc.
(72) COMEAUX, David, Daniel
SONG, Gangbing
RUAN, Jiabiao
MISTRY, Dhaval
UDIPI, Mahesha
(31) 201261746693 P
201314141205
(32) 28.12.2012
26.12.2013
(33) United States of America
United States of America

(51) F16K 37/00
F16K 3/24
(11) EP2863096
(21) EP13803685.0
(47) 11.09.2019
(87) JP2013060867
19.12.2013
(22) 10.04.2013
(54) FLOW RATE CONTROL DEVICE
(73) SMC Kabushiki Kaisha
(72) SHISHIDO Kenji
(31) 2012135013
(32) 14.06.2012
(33) Japan

(51) F16L 1/19
F16L 1/20
F16L 1/23
(11) EP2951478
(21) EP14704182.6
(47) 11.09.2019
(87) NL2014050048
07.08.2014
(22) 30.01.2014
(54) MARINE PIPELINE INSTALLATION SYSTEM AND METHOD
(73) Itrec B.V.
(72) ROODENBURG, Joop
VEHMEIJER, Terence Willem August
NOUWENS, Ronny Lambertus Waltherus
(31) 2010235
2010280
(32) 01.02.2013
08.02.2013
(33) Netherlands
Netherlands

(51) F16L 9/00
F16L 45/00

F24F 13/02
F16L 9/22
(11) EP3244133
(21) EP17170562.7
(47) 11.09.2019
(22) 11.05.2017
(54) AIR DUCT AND INSPECTION METHOD THEREOF
(73) Klimagiel S.r.l.
(72) GRANZOTTO, Lanfranco
(31) UB20163391
(32) 12.05.2016
(33) Italy

(51) F16L 11/08
F16L 11/02
F16L 11/14
F16L 11/20
(11) EP2870397
(21) EP13828531.7
(47) 11.09.2019
(87) DK2013050195
13.02.2014
(22) 13.06.2013
(54) AN UNBONDED FLEXIBLE PIPE
(73) National Oilwell Varco Denmark I/S
(72) GLEJBØL, Kristian
(31) 201270409
(32) 06.07.2012
(33) Denmark

(51) F16L 17/06
F16L 27/08
F16L 17/10
(11) EP3295070
(21) EP16726933.1
(47) 11.09.2019
(87) IB2016051440
17.11.2016
(22) 14.03.2016
(54) JOINT FOR SUBMARINE CONNECTIONS
(73) De Pretto Industrie S.r.l.
(72) RUARO, Enrico
DAI ZOTTI, Andrea
(31) VI20150120
(32) 14.05.2015
(33) Italy

(51) F16L 21/08
F16L 23/024
F16L 23/028
F16L 23/032
(11) EP2952797
(21) EP15170425.1
(47) 11.09.2019
(22) 03.06.2015
(54) CONNECTION JOINT FOR PIPES TO CONVEY GAS, COMPRESSED AIR AND OTHER FLUIDS
(73) Officine Meccaniche Industriali S.R.L.
(72) Dell'Acqua, Mauro
Di Giusto, Eros
(31) GE20140051
(32) 03.06.2014
(33) Italy

(51) F16L 25/00
F16L 33/22
F16L 37/098
F16L 37/133
F16L 37/138
(11) EP3114384
(21) EP14709905.5
(47) 11.09.2019
(87) EP2014054217
11.09.2015
(22) 05.03.2014
(54) CLAMP NUT FOR QUICK HOSE COUPLING
(73) Husqvarna AB
(72) TATIC, Aleksandar

(51) F16L 27/08
F01N 13/18
F02M 26/00
(11) EP3172473
(21) EP15825445.8
(47) 11.09.2019
(87) SE2015050802
28.01.2016
(22) 07.07.2015
(54) PIPE UNIT IN A CONDUIT FOR A GASEOUS MEDIUM
(73) Scania CV AB
(72) LINDBERG, Peter
(31) 1450914
(32) 24.07.2014
(33) Sweden

(51) F16L 27/108
G01G 23/06
(11) EP3076062
(21) EP16165064.3
(47) 11.09.2019
(22) 13.04.2016
(54) FLEXIBLE CONNECTING ELEMENT FOR CONNECTING A FIRST DEVICE WITH A SECOND DEVICE, IN PARTICULAR SCALE COMPENSATOR
(73) Hecht Technologie GmbH
(72) Hecht, Jan
Glöckl, Erich
Lohmeier, Harald
(31) 102015207073
102015210960
(32) 17.04.2015
15.06.2015
(33) Germany
Germany

(51) F16L 37/08
F16L 37/086
F16L 37/084
(11) EP3184869
(21) EP16195261.9
(47) 11.09.2019
(22) 24.10.2016
(54) MOUNTING INDICATOR
(73) AUDI AG
(72) Arnold, Markus
(31) 102015016710
(32) 23.12.2015
(33) Germany

(51) F16L 37/098
F16L 37/091
(11) EP3384196
(21) EP16804830.4
(47) 11.09.2019
(87) FR2016052874
08.06.2017
(22) 07.11.2016
(54) TUBULAR QUICK COUPLING COMPRISING DIVISIBLE RING FOR SECURE FLUID CONNECTION
(73) A Raymond Et Cie
(72) CHATELAIN, Clément
RABUT, Quentin
(31) 1561538
(32) 30.11.2015
(33) France

(51) F16L 39/00
F16L 25/01
H01R 13/00
H01R 13/502
(11) EP3143320
(21) EP15721574.0
(47) 11.09.2019
(87) EP2015000884
19.11.2015
(22) 30.04.2015
(54) COUPLING DEVICE, IN PARTICULAR A MULTIPLE COUPLING
(73) Eisele Pneumatics GmbH & Co. KG
(72) DEISTER, Viktor
BOLAT, Hakan
(31) 102014007390
(32) 14.05.2014
(33) Germany

(51) F16L 55/027
F16L 55/033
F16L 55/04
F16L 55/05
F15B 21/00
(11) EP3268653
(21) EP16706135.7
(47) 11.09.2019
(87) EP2016000301
15.09.2016
(22) 19.02.2016
(54) DAMPING DEVICE
(73) Hydac Technology GmbH
(72) BALTES, Herbert
KLOFT, Peter
BEHR, Robert, Marinus
WAITSCHAT, Arne
THIELECKE, Frank
(31) 102015003015
102015003016
(32) 10.03.2015
10.03.2015
(33) Germany
Germany

(51) F16L 55/10
B67D 7/32
B67D 7/04
(11) EP3256768
(21) EP16749685.0
(47) 11.09.2019
(87) US2016017090
18.08.2016
(22) 09.02.2016
(54) BREAKAWAY COUPLING MONITORING
(73) Veeder-Root Company
(72) CORNETT, Kenneth D.
CAMPAIGNE, Tim
LITTLE, James C.
SRINIVASAN, Niranjan
VIDUYA, Andres Deogracias

BAILLARGEON, Jeremy
CARMACK, Cameron D.
(31) 201562113677 P
(32) 09.02.2015
(33) United States of America

(51) F16M 11/04
F16M 11/14
F16M 11/20
(11) EP2984379
(21) EP14717507.9
(47) 11.09.2019
(87) NL2014050210
16.10.2014
(22) 04.04.2014
(54) COUPLING DEVICE FOR COUPLING AN ACCESSORY TO A CARRYING ARM, SUCH CARRYING ARM AND A HOLDING DEVICE.
(73) Vlaar Innovations B.V.
(72) VLAAR, Erik Jacobus
(31) 2010596
(32) 09.04.2013
(33) Netherlands

(51) F17C 7/00
(11) EP1857727
(21) EP07104176.8
(47) 11.09.2019
(22) 14.03.2007
(54) Method and apparatus for supplying natural gas to gas demand sides in LNG carrier
(73) DAEWOO SHIPBUILDING & MARINE ENGINEERING CO., LTD
(72) Lyu Sung Kak
Heo, An
Lee, Chul Woo
Park, Hyun Ki
(31) 20060045018
(32) 19.05.2006
(33) Korea (Republic)

(51) F17C 7/02
F17C 7/04
(11) EP3044496
(21) EP14780925.5
(47) 11.09.2019
(87) US2014055173
19.03.2015
(22) 11.09.2014
(54) LOW-LOSS CRYOGENIC FLUID SUPPLY SYSTEM AND METHOD
(73) Air Products and Chemicals, Inc.
(72) WITTE, Thomas Gerard
(31) 201314026760
(32) 13.09.2013
(33) United States of America

(51) F17C 13/00
C01B 3/00
F17C 11/00
(11) EP3384200
(21) EP16806062.2
(47) 11.09.2019
(87) EP2016079651
08.06.2017
(22) 02.12.2016
(54) HYDROGEN STORAGE TANK PRODUCED FROM A THERMALLY INSULATING MATERIAL FORMING CYLINDRICAL CASINGS CONTAINING HYDRIDES AND METHOD OF USING THE SAME
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) GILLIA, Olivier
CHAISE, Albin
PONTHIEU, Marine
(31) 1561883
(32) 04.12.2015
(33) France

(51) F21K 9/232
F21K 9/69
F21V 5/02
F21V 3/02
F21V 5/04
(11) EP3172480
(21) EP15734377.3
(47) 11.09.2019
(87) EP2015065406
28.01.2016
(22) 07.07.2015
(54) LIGHTING DEVICE WITH VIRTUAL LIGHT SOURCE
(73) Signify Holding B.V.
(72) VISSENBERG, Michel Cornelis Josephus Marie
ANSEMS, Johannes Petrus Maria
(31) 14177754
(32) 21.07.2014
(33) European Patent Office (EPO)

(51) F21K 99/00
F21S 8/08
F21W 131/103
(11) EP2513552
(21) EP10793052.1
(47) 11.09.2019
(87) IB2010055332
23.06.2011
(22) 22.11.2010
(54) LOW-GLARE LED-BASED LIGHTING UNIT
(73) Signify Holding B.V.
(72) ROTH, Eric
BAZYDOLA, Sarah
(31) 286140 P
(32) 14.12.2009
(33) United States of America

(51) F21L 14/02
F21V 15/01
G08B 7/06
G09F 13/04
(11) EP3348895
(21) EP17151848.3
(47) 11.09.2019
(22) 17.01.2017
(54) SAFETY LIGHTING DEVICE
(73) Kaufel SA
(72) MESKAOUI, Bechir

(51) F21S 2/00
F21K 9/00
H05B 37/02
F21V 23/00
H05B 33/08
F21Y 105/00
F21Y 113/10
F21Y 115/15
F21Y 115/10
(11) EP2908045
(21) EP13860218.0
(47) 11.09.2019
(87) KR2013011363
12.06.2014
(22) 09.12.2013
(54) LIGHTING APPARATUS AND MANUFACTURING METHOD THEREFOR
(73) LG Display Co., Ltd.
(72) SON, Sehwan
(31) 20120141534
(32) 07.12.2012
(33) Korea (Republic)

(51) F21S 2/00
H05B 37/04
E04F 13/00
F21S 8/00
H05B 33/08
H05B 37/02
F21Y 105/10
F21Y 115/10
(11) EP3133334
(21) EP16001523.6
(47) 11.09.2019
(22) 08.07.2016
(54) MODULAR LIGHTING SYSTEM HAVING COMMUNICATION MEANS
(73) volatiles lighting GmbH
(72) Schutz, René
Rhiel, Daniel
(31) 102015111276
(32) 13.07.2015
(33) Germany

(51) F21S 8/02
F21V 21/04
(11) EP3396235
(21) EP18159273.4
(47) 11.09.2019
(22) 28.02.2018
(54) DOWNLIGHT FIXING STRUCTURE
(73) Leedarson Lighting Co., Ltd.
(72) ZENG, Maojin
CHEN, Xiaobo
CAO, Liangliang
LIANG, Dingwei
(31) 201710277621
(32) 25.04.2017
(33) China

(51) F21S 41/147
F21S 41/255
F21S 41/32
F21S 41/33
F21S 41/365
F21V 7/09
(11) EP2541135
(21) EP12004872.3
(47) 11.09.2019
(22) 29.06.2012
(54) Vehicle lighting unit
(73) STANLEY ELECTRIC CO., LTD.
(72) Sekiguchi, Tatsuya
Shimada, Kazuyuki
(31) 2011146159
(32) 30.06.2011
(33) Japan

(51) F21S 41/147
F21S 41/275
F21S 41/27

F21S 43/14
F21S 43/40
F21S 43/20
B60Q 1/00
F21S 43/31
(11) EP2693105
(21) EP13020058.7
(47) 11.09.2019
(22) 23.07.2013
(54) Vehicle lighting unit
(73) Stanley Electric Co., Ltd.
(72) Sato, Masanori
Sekiguchi, Tatsuya
Owada, Ryotaro
(31) 2012169351
(32) 31.07.2012
(33) Japan

(51) F21S 41/19
(11) EP2620693
(21) EP13012004.1
(47) 11.09.2019
(22) 18.01.2013
(54) Vehicle lighting unit
(73) Stanley Electric Co., Ltd.
(72) En, Chiho
Anzai, Toshimichi
Nakazato, Yoshiaki
(31) 2012012145
(32) 24.01.2012
(33) Japan

(51) F21S 43/19
F21S 43/14
F21S 43/15
F21S 43/20
F21S 41/19
F21W 106/00
(11) EP3382264
(21) EP18163560.8
(47) 11.09.2019
(22) 23.03.2018
(54) LIGHT EMITTING APPARATUS AND LIGHTING MODULE
(73) Everlight Electronics Co., Ltd.
(72) LIAO, Yi-Hui
WANG, Chung-Wei
LI, Shun-Chang
(31) 201762479345 P
201762535246 P
201762556866 P
(32) 31.03.2017
21.07.2017
11.09.2017
(33) United States of America
United States of America
United States of America

(51) F21V 5/04
F21V 17/00
G02B 19/00
F21Y 115/10
(11) EP2650602
(21) EP13001812.0
(47) 11.09.2019
(22) 09.04.2013
(54) Lamp with LEDs and collimator lenses
(73) ERCO GmbH
(72) Bremerich, Matthias
Görres, Markus
(31) 202012004157 U
102012007301
(32) 10.04.2012
13.04.2012
(33) Germany
Germany

(51) F21V 8/00
F21K 99/00
(11) EP3390901
(21) EP16806105.9
(47) 11.09.2019
(87) EP2016079899
22.06.2017
(22) 06.12.2016
(54) MULTIPLE PUMPING LUMINESCENT ROD CONFIGURATION FOR OBTAINING ULTRA-HIGH BRIGHTNESS
(73) Signify Holding B.V.
(72) VAN BOMMEL, Ties
HIKMET, Rifat, Ata, Mustafa
(31) 15200113
16175412
(32) 15.12.2015
21.06.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) F21V 9/30
F21S 8/06
(11) EP2545321
(21) EP11754147.4
(47) 11.09.2019
(87) US2011028069
15.09.2011
(22) 11.03.2011
(54) SCATTERED-PHOTON EXTRACTION-BASED LIGHT FIXTURES
(73) Rensselaer Polytechnic Institute
(72) NARENDRAN, Nadarajah
GU, Yimin
FREYSSINIER, Jean, Paul
ZHU, Yiting
(31) 339958 P
(32) 11.03.2010
(33) United States of America

(51) F21V 14/02
F21V 21/22
F21Y 103/00
F21Y 115/10
(11) EP3464997
(21) EP17723708.8
(47) 11.09.2019
(87) EP2017061994
30.11.2017
(22) 18.05.2017
(54) LIGHTING DEVICE AND METHOD
(73) Signify Holding B.V.
(72) ANSEMS, Johannes, Petrus, Maria
VAN GHELUWE, Jochen, Renaat
BUKKEMS, Peter, Johannes, Martinus
VAN NEER, Alexander, Jacobus, Mariette
VAN DE SLUIS, Bartel, Marinus
(31) 16171618
(32) 27.05.2016
(33) European Patent Office (EPO)

(51) F21V 29/56
F21V 5/00
F28D 15/00
F21Y 115/10
(11) EP2955434
(21) EP15175429.8
(47) 11.09.2019
(22) 03.05.2011
(54) THERMOSYPHON LIGHT ENGINE AND LUMINAIRE INCLUDING THE SAME
(73) Osram Sylvania Inc.
(72) Ghiu, Camil-Daniel
Oza, Napoli
Montana, Shaun P.
(31) 330567 P
(32) 03.05.2010
(33) United States of America

(51) F22B 37/38
F23N 5/08
F23N 5/00
(11) EP2347184
(21) EP09763892.8
(47) 11.09.2019
(87) EP2009064806
20.05.2010
(22) 09.11.2009
(54) METHOD AND DEVICE FOR MONITORING THE COMBUSTION OF A POWER PLANT BY MEANS OF A REAL CONCENTRATION DISTRIBUTION
(73) Siemens Aktiengesellschaft
(72) MEERBECK, Bernhard
SPEH, Rainer
(31) 102008056676
(32) 11.11.2008
(33) Germany

(51) F23D 14/06
F23D 14/58
(11) EP2397757
(21) EP11168944.4
(47) 11.09.2019
(22) 07.06.2011
(54) Burner cap for gas range and burner with same
(73) BSH Hausgeräte GmbH
(72) Liu, Shenchang
Luo, Haitao
Miao, Weiwei
Zhang, Shenzhou
(31) 201010202881
(32) 18.06.2010
(33) China

(51) F23D 14/06
F23D 14/70
(11) EP3121515
(21) EP15177993.1
(47) 11.09.2019
(22) 23.07.2015
(54) GAS BURNER ASSEMBLY FOR A GAS COOKING APPLIANCE
(73) Electrolux Appliances Aktiebolag
(72) URIBE, Areli

(51) F23M 7/04
F24H 8/00
(11) EP3274637
(21) EP16717421.8
(47) 11.09.2019
(87) FR2016050637
29.09.2016
(22) 23.03.2016
(54) BOILER AND DOOR TO SAID BOILER
(73) ENGIE
(72) GALTEAU, Alain

RUILLARD, Romain
GAVAN, Valentin-Florian
(31) 1552390
(32) 23.03.2015
(33) France

(51) F23N 1/00
F23N 5/20
F23N 5/10
(11) EP2856029
(21) EP13735442.9
(47) 11.09.2019
(87) IB2013054298
28.11.2013
(22) 24.05.2013
(54) CONTROL DEVICE FOR GAS TAPS
(73) Eltek S.p.A.
(72) MORO, Marco
SAVINI, Paolo
(31) TO20120455
(32) 25.05.2012
(33) Italy

(51) F23Q 2/52
(11) EP2965009
(21) EP13721049.8
(47) 11.09.2019
(87) IB2013000534
12.09.2014
(22) 05.03.2013
(54) SEALING ASSEMBLY TO FILL AND SEAL A RESERVOIR OF A DISPOSABLE GAS LIGHTER
(73) Société BIC
(72) LEFEBVRE, Guy
LEFEBVRE, Yann

(51) F23R 3/00
(11) EP3330611
(21) EP17204788.8
(47) 11.09.2019
(22) 30.11.2017
(54) REGULATED COMBUSTOR LINER PANEL FOR A GAS TURBINE ENGINE COMBUSTOR
(73) United Technologies Corporation
(72) ZELESKY, Mark F.
McKINNEY, Randal G.
(31) 201615365179
(32) 30.11.2016
(33) United States of America

(51) F23R 3/00
F23R 3/06
(11) EP3018416
(21) EP15193727.3
(47) 11.09.2019
(22) 09.11.2015
(54) IMPINGEMENT FILM-COOLED FLOATWALL WITH BACKSIDE FEATURE
(73) United Technologies Corporation
(72) TU, John S.
HOKE, James B.
PACHECO-TOUGAS, Monica
WILLIAMS, Alexander W.
(31) 201462076867 P
(32) 07.11.2014
(33) United States of America

(51) F23R 3/00
F23R 3/50
F23R 3/60
(11) EP3279567
(21) EP17179830.9
(47) 11.09.2019
(22) 05.07.2017
(54) A METHOD OF ASSEMBLING AN ANNULAR COMBUSTION CHAMBER ASSEMBLY
(73) Rolls-Royce plc
(72) Hucker, Paul A
Burrows, Eliot
(31) 201613299
(32) 02.08.2016
(33) United Kingdom

(51) F23R 3/28
(11) EP3084308
(21) EP14828233.8
(47) 11.09.2019
(87) FR2014053401
25.06.2015
(22) 17.12.2014
(54) COMBUSTION CHAMBER IN A TURBOMACHINE
(73) Safran Aircraft Engines
(72) LE PANNERER, Brice
CAMERIANO, Laurent, Bernard
PIREYRE, Pierre-François, Simon, Paul
(31) 1363348
(32) 20.12.2013
(33) France

(51) F23R 3/28
(11) EP3301370
(21) EP17193500.0
(47) 11.09.2019
(22) 27.09.2017
(54) BURNER HEAD, BURNER SYSTEM AND USE OF THE BURNER SYSTEM IN A GAS TURBINE COMBUSTOR
(73) Deutsches Zentrum für Luft- und Raumfahrt e.V.
(72) Seliger, Hannah
Huber, Andreas
(31) 102016118633
(32) 30.09.2016
(33) Germany

(51) F24C 3/00
F23C 7/00
F23D 14/10
F23L 9/00
F23M 9/06
(11) EP3115696
(21) EP16178552.2
(47) 11.09.2019
(22) 08.07.2016
(54) GAS FIREPLACE
(73) Bahutong Enterprise Limited Company
(72) YEH, Yen-Jen
LIN, Kuan-Chou
CHEN, Wei-Long
(31) 104122333
(32) 09.07.2015
(33) Taiwan, Province of China

(51) F24C 3/08
(11) EP2960581
(21) EP15169758.8
(47) 11.09.2019
(22) 29.05.2015
(54) COOKING HOB
(73) BSH Hausgeräte GmbH
(72) Alonso Lopez, Jose Manuel
Buenaga Cotera, Hector
Corral Ricalde, Javier
Herrera Ruiz, Alfonso
Pelayo Alonso, Carlos
(31) 201430963
(32) 25.06.2014
(33) Spain

(51) F24C 15/04
F24C 15/00
F24C 15/20
(11) EP2416072
(21) EP11174503.0
(47) 11.09.2019
(22) 19.07.2011
(54) BAKING OVEN
(73) BSH Hausgeräte GmbH
(72) Lappat, Hans
Rosenbauer, Jörg
Schwoshuber, Rainer
Sojer, Stefan
Thaller, Christine
(31) 102010038806
(32) 03.08.2010
(33) Germany

(51) F24C 15/16
F24C 15/02
F24C 7/08
(11) EP1917481
(21) EP06792568.5
(47) 11.09.2019
(87) EP2006064659
22.02.2007
(22) 26.07.2006
(54) COOKING APPLIANCE
(73) BSH Hausgeräte GmbH
(72) NEUHAUSER, Maximilian
ROCH, Klemens
SCHNELL, Wolfgang
ZSCHAU, Günter
KUTTALEK, Edmund
KELLER, Martin
FUCHS, Wolfgang
BALLY, Ingo
FELDMANN, Kerstin
(31) 102005038881
(32) 17.08.2005
(33) Germany

(51) F24C 15/16
F25D 23/06
F16B 37/06
F16B 13/06
H05B 6/76
(11) EP2703734
(21) EP13175210.7
(47) 11.09.2019
(22) 05.07.2013
(54) DEVICE FOR A DOMESTIC APPLIANCE
(73) BSH Hausgeräte GmbH
(72) Graf, Martin
Mallinger, Peter
(31) 102012215263
(32) 28.08.2012
(33) Germany

(51) F24C 15/32
H05B 6/64
(11) EP3118528

(21) EP16178362.6
(47) 11.09.2019
(22) 07.07.2016
(54) COOKING SYSTEM FOR COOKING AND FLAVOURING PRODUCTS TO BE COOKED
(73) Miele & Cie. KG
(72) Becker, Torben
Hoffmeister-Paul, Astrid
Metz, Thomas
(31) 102015111399
(32) 14.07.2015
(33) Germany

(51) F24D 3/08
F24D 3/18
F24H 1/00
F24D 17/02
F24D 19/10
F28F 27/00
F28D 20/00
(11) EP3163176
(21) EP14896872.0
(47) 11.09.2019
(87) JP2014067412
07.01.2016
(22) 30.06.2014
(54) HEATING AND HOT WATER SUPPLY SYSTEM
(73) Mitsubishi Electric Corporation
(72) TAMAKI, Shogo
MINAMISAKO, Hirokazu
SUZUKI, Kazutaka

(51) F24D 3/10
F24H 9/12
F24D 19/10
(11) EP2306097
(21) EP10180373.2
(47) 11.09.2019
(22) 27.09.2010
(54) MULTIFUNCTION VALVE GROUP
(73) O.T.M.A. s.n.c. di Spaggiari & C.
(72) Spaggiari, Remo
Spaggiari, Alberto
(31) BO20090616
(32) 25.09.2009
(33) Italy

(51) F24D 19/00
(11) EP3109561
(21) EP16174931.2
(47) 11.09.2019
(22) 17.06.2016
(54) RADIATOR
(73) Rettig ICC B.V.
(72) Doppelreiter, Peter
(31) 505272015
(32) 23.06.2015
(33) Austria

(51) F24F 1/00
F24F 13/00
F24F 13/12
F24F 13/14
F24F 1/0007
F24F 1/0047
(11) EP2381183
(21) EP09836368.2
(47) 11.09.2019
(87) KR2009007850
08.07.2010
(22) 29.12.2009
(54) CEILING-MOUNTED AIR CONDITIONER
(73) LG Electronics Inc.
(72) KIM, Young Joong
(31) 20080135760
(32) 29.12.2008
(33) Korea (Republic)

(51) F24F 1/18
F24F 1/38
F24F 1/16
(11) EP2933570
(21) EP12890089.1
(47) 11.09.2019
(87) JP2012007920
19.06.2014
(22) 12.12.2012
(54) OUTDOOR UNIT FOR AIR CONDITIONER
(73) Mitsubishi Electric Corporation
(72) UEMURA, Takamasa
YOSHIMURA, Susumu
NAKAMUNE, Hiroaki
SAKODA, Kenichi

(51) F24F 1/24
F24F 1/46
F24F 1/54
(11) EP3327362
(21) EP16904839.4
(47) 11.09.2019
(87) JP2016078354
05.04.2018
(22) 27.09.2016
(54) OUTDOOR UNIT OF AIR CONDITIONER
(73) MITSUBISHI ELECTRIC CORPORATION
(72) SHOJI, Yuichi
UCHINO, Shinichi

(51) F24F 3/06
F25B 1/00
F25B 49/02
F25B 9/00
(11) EP2431675
(21) EP09844648.7
(47) 11.09.2019
(87) JP2009062576
18.11.2010
(22) 10.07.2009
(54) AIR CONDITIONER
(73) Mitsubishi Electric Corporation
(72) TAKENAKA, Naofumi
WAKAMOTO, Shinichi
YAMASHITA, Koji
MORIMOTO, Hiroyuki
SHIMAZU, Yusuke
(31) 2009115778
(32) 12.05.2009
(33) Japan

(51) F24F 7/00
F24F 7/02
(11) EP3289290
(21) EP16720539.2
(47) 11.09.2019
(87) GB2016051250
03.11.2016
(22) 29.04.2016
(54) AN AIR VENT BAFFLE DEVICE
(73) Gattie, David
(72) Gattie, David
(31) 201507543
201508706
201521445
(32) 29.04.2015
20.05.2015
04.12.2015
(33) United Kingdom
United Kingdom
United Kingdom

(51) F24F 7/06
F24F 11/74
F24F 3/16
(11) EP2930443
(21) EP13861032.4
(47) 11.09.2019
(87) JP2013082497
12.06.2014
(22) 03.12.2013
(54) LOCAL AIR CLEANER
(73) Koken Ltd.
(72) SUZUKI Taketo
NITTA Kozo
FUJISHIRO Yuki
KAKINUMA Tomoyuki
SATO Takahiro
(31) 2012268614
(32) 07.12.2012
(33) Japan

(51) F24F 7/08
F24F 12/00
F24F 13/02
(11) EP2416079
(21) EP09842976.4
(47) 11.09.2019
(87) JP2009056554
14.10.2010
(22) 30.03.2009
(54) DUCT CONNECTION OPENING AND VENTILATION DEVICE
(73) Mitsubishi Electric Corporation
(72) NARUSE, Yuuhei
FUJII, Yoshinori
AOKI, Hiroki
YOSHIMURA, Tsuneo

(51) F24F 11/00
F25B 49/02
F25B 49/00
(11) EP3425295
(21) EP17898352.4
(47) 11.09.2019
(87) CN2017078823
04.10.2018
(22) 30.03.2017
(54) COMPRESSOR CONTROL METHOD AND DEVICE
(73) GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Group Co., Ltd.
(72) WANG, Yong

(51) F24F 11/00
G05B 19/00
H02P 23/14
H02P 23/12
H02P 6/00
H02P 6/20
(11) EP2711646
(21) EP12198700.2
(47) 11.09.2019
(22) 20.12.2012

(54) Method and apparatus for controlling permanent magnet synchronous motor of an air conditioning device
(73) Hisense (Shandong) Air-conditioning Co., Ltd.
(72) Zhang, Yongliang
Wang, Zhigang
Zhao, Keke
Yin, Xianxin
Wang, Weijie
Liu, Yong
(31) 201210357984
(32) 24.09.2012
(33) China

(51) F24F 11/62
F24F 11/30
F24F 11/64
(11) EP2944891
(21) EP14738327.7
(47) 11.09.2019
(87) JP2014000056
17.07.2014
(22) 09.01.2014
(54) ROOM TEMPERATURE ESTIMATING DEVICE, PROGRAM
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) MISE, Atsushi
MURO, Naoki
MARUYAMA, Keiichi
(31) 2013003586
(32) 11.01.2013
(33) Japan

(51) F24F 11/62
F24F 11/46
G05B 19/042
F24F 140/50
F24F 140/60
(11) EP3263999
(21) EP15883134.7
(47) 11.09.2019
(87) JP2015055082
01.09.2016
(22) 23.02.2015
(54) AIR CONDITIONING MANAGEMENT DEVICE AND AIR CONDITIONING SYSTEM USING SAME
(73) Mitsubishi Electric Corporation
(72) ASADA, Satoshi

(51) F24F 11/79
F24F 11/74
F24F 13/15
F24F 13/14
F24F 13/20
F24F 1/0011
(11) EP2942579
(21) EP13868547.4
(47) 11.09.2019
(87) JP2013085045
03.07.2014
(22) 27.12.2013
(54) AIR CONDITIONER AND CONTROL CIRCUIT
(73) Fujitsu General Limited
(72) IWANO, Syun
KAWAI, Tomofumi
TOKUDA, Satoru
(31) 2012288432
(32) 28.12.2012
(33) Japan

(51) F24F 12/00
F28D 7/16
(11) EP2391853
(21) EP10701156.1
(47) 11.09.2019
(87) GB2010050003
08.07.2010
(22) 04.01.2010
(54) HEAT EXCHANGER MODULE
(73) Envirovent Limited
(72) MASSEY, Michael
(31) 0900009
(32) 02.01.2009
(33) United Kingdom

(51) F24F 13/20
(11) EP2791591
(21) EP12815635.3
(47) 11.09.2019
(87) EP2012005143
20.06.2013
(22) 13.12.2012
(54) VENTILATION DEVICE WITH A HOUSING
(73) AL-KO Therm GmbH
(72) STÖCKLE, Herbert
BAYER, Bernd
CZEJKA, Stephan
MAYR, Leonhard
(31) 102011121152
(32) 15.12.2011
(33) Germany

(51) F24F 13/20
F24F 1/00
F24F 11/58
F24F 11/89
(11) EP3336444
(21) EP16908355.7
(47) 11.09.2019
(87) JP2016082917
11.05.2018
(22) 07.11.2016
(54) CEILING-EMBEDDED AIR CONDITIONER
(73) Mitsubishi Electric Corporation
(72) TOMOMURA, Keisuke
TAZAWA, Tetsuya
SUEHIRO, Hironobu

(51) F24H 1/12
A47J 31/54
F24H 9/18
F24H 9/20
(11) EP3397904
(21) EP16822156.2
(47) 11.09.2019
(87) EP2016081949
06.07.2017
(22) 20.12.2016
(54) THROUGHFLOW HEATER
(73) C3 Casting Competence Center GmbH
(72) WAGNER, Manuela
WAGNER, Walter
(31) 19132015
(32) 28.12.2015
(33) Switzerland

(51) F24H 1/40
F28D 9/00
F28F 9/02
F28D 21/00
(11) EP3071897
(21) EP14828286.6
(47) 11.09.2019
(87) IB2014066208
28.05.2015
(22) 20.11.2014
(54) PLATE HEAT EXCHANGER, IN PARTICULAR FOR CONDENSING BOILERS
(73) Gas Point S.R.L.
(72) LOVASCIO, Nicola
RASTELLI, Raffaello
ZATTI, Claudio
(31) BO20130632
(32) 20.11.2013
(33) Italy

(51) F24H 1/43
(11) EP2710307
(21) EP12730631.4
(47) 11.09.2019
(87) IB2012052515
22.11.2012
(22) 18.05.2012
(54) HEAT EXCHANGER AND PRODUCTION PROCESS
(73) Cosmogas S.R.L.
(72) ALESSANDRINI, Alberto
(31) TO20110446
(32) 19.05.2011
(33) Italy

(51) F24H 9/12
F16K 15/02
F16K 31/122
(11) EP2604945
(21) EP12196951.3
(47) 11.09.2019
(22) 13.12.2012
(54) Hot water tank with excess pressure shut-off
(73) Robert Bosch GmbH
(72) Burghardt, Stefan
Englisch, Christian
Gruber, Michael
(31) 102011088916
(32) 16.12.2011
(33) Germany

(51) F24H 9/20
F25D 17/02
F25D 29/00
G05D 23/19
B01L 7/02
(11) EP2884365
(21) EP14193760.7
(47) 11.09.2019
(22) 18.11.2014
(54) Recirculating bath with global voltage compatibility
(73) Thermo Fisher Scientific (Asheville) LLC
(72) Parker, John Loring
Given, Robert A.
Stocker, Joseph Albert
(31) 201314087576
(32) 22.11.2013
(33) United States of America

(51) F24S 10/40
F24S 10/75

(11) EP3278036
(21) EP16712863.6
(47) 11.09.2019
(87) EP2016056823
06.10.2016
(22) 29.03.2016
(54) MULTI-ELEMENT THERMAL CONDUCTOR FOR A VACUUM TUBE OF A SOLAR THERMAL COLLECTOR
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) TANTOLIN, Christian
PAPILLON, Philippe
(31) 1552738
(32) 31.03.2015
(33) France

(51) F24S 10/40
F24S 80/00
(11) EP3163212
(21) EP15192558.3
(47) 11.09.2019
(22) 02.11.2015
(54) HEAT RECEIVER TUBE, METHOD FOR MANUFACTURING THE HEAT RECEIVER TUBE, SOLAR COLLECTOR WITH THE HEAT RECEIVER TUBE AND METHOD FOR PRODUCING ELECTRICITY BY USING THE SOLAR COLLECTOR
(73) Siemens Concentrated Solar Power Ltd.
(72) Klapwald, Shmulik

(51) F25B 9/04
F24F 3/14
B60H 1/32
B60H 3/02
B01D 53/14
(11) EP3368836
(21) EP16809209.6
(47) 11.09.2019
(87) TR2016050379
04.05.2017
(22) 13.10.2016
(54) A CABIN COOLING SYSTEM
(73) Tofas Turk Otomobil Fabrikasi Anonim Sirketi
(72) AYARTURK, Hasan
(31) 201513320
(32) 26.10.2015
(33) Turkey

(51) F25B 13/00
F25B 6/00
(11) EP2587192
(21) EP12161707.0
(47) 11.09.2019
(22) 28.03.2012
(54) Air conditioner
(73) LG Electronics Inc.
(72) Hong, Youngtaek
(31) 20110110253
(32) 27.10.2011
(33) Korea (Republic)

(51) F25B 15/00
F25B 17/00
F25B 49/04
(11) EP3355001
(21) EP17153661.8
(47) 11.09.2019
(22) 30.01.2017
(54) SYSTEM AND METHOD FOR CONTROLLING ABSORPTION REFRIGERATOR COOLING TO ACCOUNT FOR AC MAINS VARIATION
(73) Thetford BV
(72) Berkhout, Pieter-Dirk
Mennen, Roy

(51) F25B 40/02
F25B 49/02
F25B 1/04
F25B 13/00
(11) EP2455688
(21) EP11190118.7
(47) 11.09.2019
(22) 22.11.2011
(54) Heat pump and method of controlling the same
(73) LG Electronics Inc.
(72) Ryu, Byoungjin
Jang, Yonghee
(31) 20100117020
(32) 23.11.2010
(33) Korea (Republic)

(51) F25B 41/00
F25D 16/00
B60H 1/00
B60H 1/32
(11) EP2136161
(21) EP09162899.0
(47) 11.09.2019
(22) 17.06.2009
(54) Heating, ventilation and/or air-conditioning installation with cold storage
(73) Valeo Systèmes Thermiques
(72) Labaste Mauhe, Laurent
Haller, Regine
Delaforge, Laurent
Thuez, Jean-Luc
Taklanti, Abdelmajid
Cheng, Thierry
Morvan, Kevin
Lecollier, Marie
(31) 0803441
(32) 19.06.2008
(33) France

(51) F25B 41/04
F16K 11/085
F25B 25/00
(11) EP2829824
(21) EP12870921.9
(47) 11.09.2019
(87) JP2012001652
12.09.2013
(22) 09.03.2012
(54) AIR CONDITIONING DEVICE
(73) Mitsubishi Electric Corporation
(72) HONDA, Takayoshi
SHIMAMOTO, Daisuke
MORIMOTO, Osamu

(51) F25B 41/04
F25D 21/04
(11) EP2232230
(21) EP08861818.6
(47) 11.09.2019
(87) US2008086633
25.06.2009
(22) 12.12.2008
(54) REFRIGERATION SYSTEM COMPRISING A TEST CHAMBER WITH TEMPERATURE AND HUMIDITY CONTROL
(73) Venturedyne, Ltd
(72) IMMINK, Darin, E.
PETERSON, Clinton, A.
VELDT, Andrew, R.
(31) 957111
(32) 14.12.2007
(33) United States of America

(51) F25B 45/00
(11) EP3449195
(21) EP17740086.8
(47) 11.09.2019
(87) IB2017053119
30.11.2017
(22) 26.05.2017
(54) APPARATUS FOR MAINTAINING A MOTOR VEHICLE AIR CONDITIONING SYSTEM PROVIDED WITH CARBON DIOXIDE AND OPERATING METHOD THEREOF
(73) Texa S.p.A.
(72) VIANELLO, Bruno
MENEGHEL, Stefano
(31) UA20163839
(32) 26.05.2016
(33) Italy

(51) F25B 49/02
F25B 13/00
F25B 45/00
(11) EP2434237
(21) EP11182044.5
(47) 11.09.2019
(22) 20.09.2011
(54) Refrigerant system
(73) LG Electronics Inc.
(72) Jeong, Hojong
Chung, Baikyoung
Jung, Jaehwa
Sa, Yongcheol
Kim, Byungsoon
(31) 20100093468
(32) 27.09.2010
(33) Korea (Republic)

(51) F25C 1/14
(11) EP3055629
(21) EP15848589.6
(47) 11.09.2019
(87) US2015000129
14.04.2016
(22) 09.10.2015
(54) CONTINUOUS FLAKER ICE-MAKING FREEZER AND A METHOD OF CLEANING THEREOF
(73) Scotsman Group LLC
(72) LITCHY, William A.
ROTH, Keith H.
ANDRESEN, Michael J.
(31) 201462061901 P
201514878398
(32) 09.10.2014
08.10.2015
(33) United States of America
United States of America

(51) F25C 1/24
F25D 29/00

F25C 5/08
F25C 1/04
(11) EP2620726
(21) EP11826997.6
(47) 11.09.2019
(87) KR2011006924
29.03.2012
(22) 20.09.2011
(54) METHOD FOR CONTROLLING AN ICEMAKER FOR A REFRIGERATOR
(73) Daewoo Electronics Corporation
(72) LEE, Jung Owan
(31) 20100092358
20100092356
20100092354
(32) 20.09.2010
20.09.2010
20.09.2010
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) F25D 3/10
F25D 29/00
(11) EP2494290
(21) EP10768654.5
(47) 11.09.2019
(87) US2010051928
19.05.2011
(22) 08.10.2010
(54) APPARATUS AND METHOD FOR PROVIDING A TEMPERATURE-CONTROLLED GAS
(73) Air Products and Chemicals, Inc.
(72) GIBSON, Daniel, James
(31) 608746
(32) 29.10.2009
(33) United States of America

(51) F25D 17/04
A23L 3/3418
A23B 7/148
F16K 31/08
(11) EP2864723
(21) EP13722183.4
(47) 11.09.2019
(87) US2013038104
03.01.2014
(22) 25.04.2013
(54) ELECTRO-MAGNETIC CHECK VALVE
(73) Carrier Corporation
(72) RICHARDSON, Curtis
(31) 201261663868 P
(32) 25.06.2012
(33) United States of America

(51) F25D 17/04
F25D 11/00
(11) EP2821740
(21) EP14175641.1
(47) 11.09.2019
(22) 03.07.2014
(54) Portable cooler
(73) Lockwood, Brad
(72) Lockwood, Brad
(31) 201361843078 P
(32) 05.07.2013
(33) United States of America

(51) F25D 17/04
F25D 23/02
(11) EP3086059
(21) EP16161912.7
(47) 11.09.2019
(22) 23.03.2016
(54) DOMESTIC REFRIGERATOR AND METHOD FOR OPERATING A DOMESTIC REFRIGERATOR
(73) BSH Hausgeräte GmbH
(72) Heydel, Adolf
(31) 102015207313
(32) 22.04.2015
(33) Germany

(51) F25D 19/00
B67D 1/08
F25B 21/02
(11) EP3172509
(21) EP15750940.7
(47) 11.09.2019
(87) EP2015066803
28.01.2016
(22) 22.07.2015
(54) APPARATUS FOR THE COOLING OF A DRINKING LIQUID, IN PARTICULAR DRINKING WATER, WITH INNOVATIVE COOLING SYSTEM WITH PELTIER EFFECT
(73) Biotech Trentino S.p.A.
(72) PELLEGRINI, Andrea
(31) MI20141335
(32) 23.07.2014
(33) Italy

(51) F25D 23/02
(11) EP3036489
(21) EP14747893.7
(47) 11.09.2019
(87) EP2014066388
26.02.2015
(22) 30.07.2014
(54) DOMESTIC APPLIANCE HAVING A DOOR LEAF BEARING
(73) BSH Hausgeräte GmbH
(72) FLINNER, Klaus
GÖRZ, Alexander
LAIBLE, Karl-Friedrich
LINDEL, Andreas
RAAB, Alfred
STAHL, Robert
(31) 102013216804
(32) 23.08.2013
(33) Germany

(51) F25D 23/02
(11) EP3152501
(21) EP15726168.6
(47) 11.09.2019
(87) EP2015062344
10.12.2015
(22) 03.06.2015
(54) HOUSEHOLD REFRIGERATOR
(73) BSH Hausgeräte GmbH
(72) KEMPFLE, Stephan
(31) 102014210693
(32) 05.06.2014
(33) Germany

(51) F25D 23/02
F25D 25/04
(11) EP2218993
(21) EP10151857.9
(47) 11.09.2019
(22) 28.01.2010
(54) Cooling device
(73) BSH Hausgeräte GmbH
(72) Gerstner, Silvia
Glaser, Benjamin
Görz, Alexander
Rupp, Claudia
Schlander, Ulrich
(31) 102009000841
(32) 13.02.2009
(33) Germany

(51) F25D 23/04
(11) EP3190367
(21) EP17150272.7
(47) 11.09.2019
(22) 04.01.2017
(54) REFRIGERATOR
(73) LG ELECTRONICS INC.
(72) JUNG, Jaehun
(31) 20160001282
(32) 05.01.2016
(33) Korea (Republic)

(51) F25D 23/06
(11) EP2691715
(21) EP12710509.6
(47) 11.09.2019
(87) EP2012055272
04.10.2012
(22) 26.03.2012
(54) DYNAMICALLY EVACUABLE APPARATUSES COMPRISING ORGANIC AEROGELS OR XEROGELS
(73) BASF SE
(72) FRICKE, Marc
SCHÜTTE, Markus
FECHNER, Frank
KROGMANN, Jörg
(31) 11160648
(32) 31.03.2011
(33) European Patent Office (EPO)

(51) F25D 23/06
B29C 44/18
B29C 44/38
B29C 44/60
(11) EP2148156
(21) EP09165861.7
(47) 11.09.2019
(22) 20.07.2009
(54) Method for foaming a hollow body
(73) BSH Hausgeräte GmbH
(72) Lanzinger, Jürgen
(31) 102008040598
(32) 22.07.2008
(33) Germany

(51) F25D 23/06
F25D 25/02
(11) EP2457041
(21) EP10732709.0
(47) 11.09.2019
(87) EP2010060099
27.01.2011
(22) 14.07.2010
(54) REFRIGERATION DEVICE HAVING A REMOVABLE LOWER SHELF
(73) BSH Hausgeräte GmbH
(72) FINK, Jürgen
RAAB, Alfred
SPAAG, Rainer
(31) 102009027892

(32) 21.07.2009
(33) Germany

(51) F25D 23/08
(11) EP3324141
(21) EP17202968.8
(47) 11.09.2019
(22) 22.11.2017
(54) REFRIGERATION AND/OR FREEZER DEVICE
(73) REHAU AG + Co
(72) Pammler, Thomas
Brettmann, Matthias
Willert, Manfred
Kernchen, Uwe
(31) 202016106532 U
(32) 22.11.2016
(33) Germany

(51) F25D 25/02
F25D 23/06
(11) EP3030853
(21) EP14745120.7
(47) 11.09.2019
(87) EP2014066224
12.02.2015
(22) 29.07.2014
(54) DOMESTIC REFRIGERATION APPLIANCE WITH AN INNER CASE AND REMOVABLE GUIDE RAILS FOR A TRAY ARRANGED THEREIN
(73) BSH Hausgeräte GmbH
(72) AHMEDOV, Sezgin
CIZIK, Herbert
FINK, Jürgen
(31) 102013215802
(32) 09.08.2013
(33) Germany

(51) F25D 29/00
(11) EP2151649
(21) EP09166956.4
(47) 11.09.2019
(22) 31.07.2009
(54) Household device with multiple compartments
(73) BSH Hausgeräte GmbH
(72) Athanasiou, Athanasios
(31) 102008041004
(32) 05.08.2008
(33) Germany

(51) F25D 29/00
F25D 11/02
(11) EP2267388
(21) EP09718682.9
(47) 11.09.2019
(87) JP2009001108
17.09.2009
(22) 12.03.2009
(54) REFRIGERATOR
(73) Panasonic Corporation
(72) HORIO, Yoshimasa
TANAKA, Masaaki
ADACHI, Tadashi
ISHITA, Mitoko
MAMEMOTO, Toshiaki
(31) 2008065412
2008157758
2008179851
2008234697
(32) 14.03.2008
17.06.2008
10.07.2008
12.09.2008
(33) Japan
Japan
Japan
Japan

(51) F25D 29/00
F25D 17/06
F25B 49/02
(11) EP2636976
(21) EP12158920.4
(47) 11.09.2019
(22) 09.03.2012
(54) Hybrid refrigerator and control method thereof
(73) Whirlpool Corporation
(72) Vanelli, Matteo Luciano
Olivani, Andrea
Paviglianiti, Gaetano
Paganini, Raffaele

(51) F25D 31/00
F25D 29/00
(11) EP3321619
(21) EP17200958.1
(47) 11.09.2019
(22) 10.11.2017
(54) ELECTRONIC CONTROL APPARATUS FOR AN ELECTRIC MOTOR
(73) SAMEC s.n.c.
(72) Bergamo, Stefano
Bergamo, Andrea
(31) 201600114211
(32) 11.11.2016
(33) Italy

(51) F26B 15/18
F26B 21/14
F26B 17/02
F26B 17/08
F26B 23/00
(11) EP3211356
(21) EP15851808.4
(47) 11.09.2019
(87) CN2015092501
28.04.2016
(22) 22.10.2015
(54) METHOD AND APPARATUS FOR USING EXCESS HEAT FROM POWER PLANT FLUE GAS TO DRY BIOMASS FUEL
(73) Zhongying Changjiang International New Energy Investment Co., Ltd
(72) CHEN, Yilong
HU, Shuchuan
ZHANG, Yanfeng
(31) 201410578212
(32) 24.10.2014
(33) China

(51) F27B 17/02
A61C 13/20
F27D 9/00
F27D 19/00
F27D 21/00
(11) EP3458787
(21) EP17708716.0
(47) 11.09.2019
(87) EP2017054289
31.08.2017
(22) 24.02.2017
(54) INDUCTION FURNACE AND METHOD FOR CARRYING OUT A HEAT TREATMENT OF A DENTAL REPLACEMENT PART
(73) Sirona Dental Systems GmbH
(72) SCHMIDT, Christian
BÄURER, Michael
(31) 102016202902
(32) 24.02.2016
(33) Germany

(51) F27D 3/12
F27D 5/00
(11) EP3355015
(21) EP18153695.4
(47) 11.09.2019
(22) 26.01.2018
(54) SUPPORT ELEMENTS FOR A TUNNEL FURNACE CART OR CARRIAGE, TUNNEL FURNACE CART OR CARRIAGE WITH SUCH SUPPORT ELEMENTS AND TUNNEL FURNACE WITH SUCH A TUNNEL FURNACE CART OR CARRIAGE
(73) Refratechnik Holding GmbH
(72) Meier, Klaus-Martin
Dörr, Joachim
Böke, Jörn
(31) 102017101544
(32) 26.01.2017
(33) Germany

(51) F27D 19/00
F27D 21/00
F27D 21/02
C21B 7/16
C21B 5/00
F27B 1/26
F27B 1/28
(11) EP3344939
(21) EP16738109.4
(47) 11.09.2019
(87) EP2016066095
09.03.2017
(22) 07.07.2016
(54) BLAST FURNACE HAVING ENERGY-SELF-SUFFICIENT MONITORING OF CARBON INJECTION
(73) Primetals Technologies Austria GmbH
(72) FISCHER, Paul
KUEHAS, Thomas
ROHRHOFER, Andreas
SCHÖNEGGER, Christoph
(31) 507502015
(32) 02.09.2015
(33) Austria

(51) F27D 27/00
(11) EP3058301
(21) EP14793242.0
(47) 11.09.2019
(87) GB2014053127
23.04.2015
(22) 20.10.2014
(54) IMPROVEMENTS IN AND RELATING TO APPARATUS FOR STIRRING AND METHODS OF STIRRING
(73) Altek Europe Limited
(72) PEEL, Alan
MAKEPEACE, Stephen
(31) 201318482

(32) 18.10.2013
(33) United Kingdom

(51) F28C 1/00
F28C 1/04
E04H 15/12
F28F 25/02
F28F 25/04
E04H 5/12
F28F 25/00
F28C 1/14
F28F 9/00
(11) EP3249331
(21) EP17172090.7
(47) 11.09.2019
(22) 19.05.2017
(54) IMPROVED SUCTION HOOD FLUME APPARATUS AND METHOD FOR MODULAR HEAT EXCHANGE TOWER
(73) SPX Cooling Technologies, Inc.
(72) SPECKIN, Mark
FOLKEN, Aaron
JENKINS, Dustin
(31) 201662341876 P
201615269429
(32) 26.05.2016
19.09.2016
(33) United States of America
United States of America

(51) F28D 1/03
F28D 1/00
F28F 3/02
F28F 9/00
F28D 1/053
F25B 39/00
(11) EP3060868
(21) EP14856396.8
(47) 11.09.2019
(87) US2014061766
30.04.2015
(22) 22.10.2014
(54) HEAT EXCHANGER AND SIDE PLATE
(73) Modine Manufacturing Company
(72) JOHNSON, Mark
ENGEL, Bradley
BAKER, George
SILER, Nicholas
MERKLEIN, Brian
(31) 201361894476 P
(32) 23.10.2013
(33) United States of America

(51) F28D 1/053
F24F 1/00
F28F 9/013
(11) EP2851641
(21) EP12875061.9
(47) 11.09.2019
(87) JP2012002881
31.10.2013
(22) 26.04.2012
(54) HEAT EXCHANGER, INDOOR UNIT, AND REFRIGERATION CYCLE DEVICE
(73) Mitsubishi Electric Corporation
(72) OKAZAKI, Takashi
ISHIBASHI, Akira
LEE, Sangmu
MATSUDA, Takuya

(51) F28D 9/00
F28F 3/00
(11) EP2557383
(21) EP12178154.6
(47) 11.09.2019
(22) 27.07.2012
(54) Plate heat exchanger
(73) MAHLE International GmbH
(72) Bauer, Swen -Juri
Gierer, Carolin
Grüner, Andreas
(31) 102011080829
(32) 11.08.2011
(33) Germany

(51) F28D 9/00
F28F 3/00
F28F 13/12
B01D 53/18
B01D 53/26
F28D 5/00
B01D 63/08
F24F 3/14
F28F 21/06
F28D 21/00
B01D 53/22
F28F 19/02
(11) EP2859294
(21) EP13804563.8
(47) 11.09.2019
(87) US2013045161
19.12.2013
(22) 11.06.2013
(54) METHODS AND SYSTEMS FOR TURBULENT, CORROSION RESISTANT HEAT EXCHANGERS
(73) 7AC Technologies, Inc.
(72) VANDERMEULEN, Peter, F.
ALLEN, Mark
LAFLAMME, Arthur
(31) 201261658205 P
201261729139 P
201261731227 P
201261736213 P
201361758035 P
201361789357 P
(32) 11.06.2012
21.11.2012
29.11.2012
12.12.2012
29.01.2013
15.03.2013
(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

(51) F28D 15/04
F28D 15/02
(11) EP3376148
(21) EP17160723.7
(47) 11.09.2019
(22) 14.03.2017
(54) EVAPORATOR-RESERVOIR MODULAR UNIT
(73) Allatherm SIA
(72) MISHKINIS, Donatas

(51) F28F 3/04
(11) EP2741041
(21) EP11869406.6
(47) 11.09.2019
(87) JP2011065932
17.01.2013
(22) 13.07.2011
(54) PLATE-TYPE HEAT EXCHANGER AND HEAT PUMP DEVICE
(73) Mitsubishi Electric Corporation
(72) ITO, Daisuke

(51) F28F 3/06
(11) EP2687806
(21) EP13177310.3
(47) 11.09.2019
(22) 19.07.2013
(54) Heat dissipation device having lateral-spreading heat dissipating and shunting heat conductive structure
(73) Yang, Tai-Her
(72) Yang, Tai-Her
(31) 201213554075
(32) 20.07.2012
(33) United States of America

(51) F28F 3/12
B22F 3/105
F28F 7/02
F01P 3/00
(11) EP1777479
(21) EP06021116.6
(47) 11.09.2019
(22) 09.10.2006
(54) METALLIC BODY WITH CHANNEL ARRANGEMENT FOR REGULATING THE TEMPERATURE OF INJECTION OR CASTING DIE FORMED BY SAID METALLIC BODY
(73) Werkzeugbau Siegfried Hofmann GmbH
(72) Georg Mai
(31) 102005050118
(32) 18.10.2005
(33) Germany

(51) F28F 9/013
F28F 9/02
F28F 21/06
F28D 9/04
F28D 20/00
F24T 10/15
(11) EP3156740
(21) EP16001624.2
(47) 11.09.2019
(22) 10.08.2015
(54) ENERGY STORAGE DEVICE
(73) Mefa Befestigungs- und Montagesysteme GmbH
(72) Schneider, Martin
(31) 102014012131
(32) 13.08.2014
(33) Germany

(51) F28F 9/02
F25B 41/00
F28D 1/04
F28D 1/047
F28F 1/02
F25B 39/00
F25B 13/00
(11) EP3064881
(21) EP13896696.5
(47) 11.09.2019
(87) JP2013079247
07.05.2015

(22) 29.10.2013
(54) HEAT EXCHANGER AND AIR CONDITIONER
(73) Mitsubishi Electric Corporation
(72) HIGASHIIUE, Shinya
ISHIBASHI, Akira
OKAZAKI, Takashi
ITO, Daisuke
MATSUI, Shigeyoshi
UGAJIN, Yuki
YONEDA, Norihiro
MOCHIZUKI, Atsushi

(51) F28F 9/02
F28D 15/02
(11) EP3147621
(21) EP15186625.8
(47) 11.09.2019
(22) 24.09.2015
(54) COOLING DEVICE AND METHOD FOR COOLING AT LEAST TWO POWER ELECTRONIC DEVICES
(73) ABB Schweiz AG
(72) Agostini, Francesco
Torresin, Daniele
Habert, Mathieu
Agostini, Bruno

(51) F28F 9/02
F28F 9/26
F28D 7/10
F28D 7/16
F28D 9/00
F28D 21/00
F28D 7/00
(11) EP3039373
(21) EP14789876.1
(47) 11.09.2019
(87) IB2014064023
05.03.2015
(22) 22.08.2014
(54) HEAT EXCHANGER FOR EXCHANGING HEAT BETWEEN TWO FLUIDS, USE OF THE EXCHANGER WITH LIQUID METAL AND GAS, APPLICATION TO A FAST NEUTRON NUCLEAR REACTOR COOLED WITH LIQUID METAL
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) CACHON, Lionel
GARNIER, Christophe
MOLLA, Alexandre
(31) 1358178
(32) 26.08.2013
(33) France

(51) F28F 21/04
F02C 6/16
F28D 17/00
F28D 20/00
(11) EP3270088
(21) EP17180719.1
(47) 11.09.2019
(22) 11.07.2017
(54) CONTAINER OF A SYSTEM FOR STORING AND RESTORING HEAT HAVING AT LEAST TWO CONCRETE MODULES
(73) IFP Energies nouvelles
(72) DELEAU, Fabrice
BANCEL, Thierry
POURTIER, Alice
(31) 1656803
(32) 15.07.2016
(33) France

(51) F41A 3/38
F41A 5/02
F41A 5/24
F41A 19/47
F41C 3/00
(11) EP3371541
(21) EP16805500.2
(47) 11.09.2019
(87) IB2016056246
11.05.2017
(22) 18.10.2016
(54) SELF-LOADING PISTOL WITH SELECTIVE SLIDE LOCK DELAYING THE OPENING MOVEMENT DURING FIRING BUT FACILITATING MANUAL COCKING.
(73) Shamrai, Viktor
(72) Shamrai, Viktor
(31) 20150782
(32) 05.11.2015
(33) Czech Republic

(51) F41G 3/02
F41G 7/00
F41G 7/22
G01S 3/786
G06K 9/32
(11) EP2381208
(21) EP11002853.7
(47) 11.09.2019
(22) 06.04.2011
(54) Method for determining positional data of a target object in a reference system
(73) MBDA Deutschland GmbH
(72) Holicki, Michael
Zoz, Jürgen
Schweyer, Nikolaus
Speth, Johannes
(31) 102010018143
(32) 24.04.2010
(33) Germany

(51) F41G 3/06
F41G 3/16
F41G 1/48
(11) EP2634523
(21) EP13002726.1
(47) 11.09.2019
(22) 12.04.2012
(54) Firearm targeting device, firearm and method for aligning a firearm
(73) MBDA Deutschland GmbH
(72) Newzella, Alfons
(31) 102011018947
(32) 29.04.2011
(33) Germany

(51) F41G 7/22
G05D 1/12
G01S 3/784
(11) EP2719990
(21) EP13004853.1
(47) 11.09.2019
(22) 09.10.2013
(54) Device for optical target assignment and guidance of a missile
(73) MBDA Deutschland GmbH
(72) Schöttl, Alfred
(31) 102012019891
(32) 11.10.2012
(33) Germany

(51) F41J 9/18
(11) EP3320302
(21) EP16738108.6
(47) 11.09.2019
(87) EP2016066076
12.01.2017
(22) 07.07.2016
(54) METHOD FOR OPERATING A THROWING SYSTEM FOR DISCUSES
(73) OKM GmbH
(72) MÜLLER, Ingolf
BECKER, Christian
(31) 102015212678
(32) 07.07.2015
(33) Germany

(51) F42B 1/028
E21B 43/117
(11) EP3359906
(21) EP16782370.7
(47) 11.09.2019
(87) US2016055482
13.04.2017
(22) 05.10.2016
(54) OILFIELD PERFORATOR DESIGNED FOR HIGH VOLUME CASING REMOVAL
(73) Owen Oil Tools LP
(72) GEERTS, Shaun
KINSEY, James
CLAY, Matthew C.
(31) 201562237302 P
201615285228
(32) 05.10.2015
04.10.2016
(33) United States of America
United States of America

(51) F42B 5/313
F42B 5/307
(11) EP3361209
(21) EP18165338.7
(47) 11.09.2019
(22) 13.01.2012
(54) HIGH STRENGTH POLYMER-BASED CARTRIDGE CASING FOR BLANK AND SUBSONIC AMMUNITION
(73) PCP Tactical, LLC
(72) PADGETT, Charles
WILEY, Sy
(31) 201161433170 P
(32) 14.01.2011
(33) United States of America

(51) F42D 1/055
F42D 3/04
F42D 3/06
F42B 3/00
C06C 5/00
(11) EP3198218
(21) EP15845338.1
(47) 11.09.2019
(87) KP2015000035
31.03.2016
(22) 09.02.2015
(54) METHOD OF INTER-HOLE DELAY BLAST
(73) Ryu, In Mu

(72) RYU, Nam Sok
(31) 33052014
(32) 23.09.2014
(33) Korea (Democratic People's Republic)

(51) G01B 5/008
G01H 1/16
(11) EP2449353
(21) EP10800275.9
(47) 11.09.2019
(87) US2010040248
20.01.2011
(22) 28.06.2010
(54) ARTICULATED ARM SYSTEM WITH VIBRATION DETECTION AND CORRESPONDING OPERATING METHOD
(73) Hexagon Technology Center GmbH
(72) TAIT, Hogar
(31) 221973 P
(32) 30.06.2009
(33) United States of America

(51) G01B 7/06
G01B 15/02
(11) EP2807448
(21) EP12733464.7
(47) 11.09.2019
(87) EP2012062912
01.08.2013
(22) 03.07.2012
(54) DEVICE FOR MEASURING COATING THICKNESS
(73) MICRO EPSILON MESSTECHNIK GMBH & CO. KG
(72) HINKEN, Johann
(31) 12152238
(32) 24.01.2012
(33) European Patent Office (EPO)

(51) G01B 11/02
A61B 3/11
G01B 11/00
G01B 11/26
G02C 13/00
(11) EP3270099
(21) EP16761828.9
(47) 11.09.2019
(87) JP2016057609
15.09.2016
(22) 10.03.2016
(54) MEASUREMENT DEVICE FOR EYEGLASSES-WEARING PARAMETER, MEASUREMENT PROGRAM FOR EYEGLASSES-WEARING PARAMETER, AND POSITION DESIGNATION METHOD
(73) Hoya Lens Thailand Ltd.
(72) TADOKORO Nobuyuki
HIRONO Naoya
MATSUSHIMA Masaaki
(31) 2015047760
(32) 10.03.2015
(33) Japan

(51) G01B 11/16
G01D 5/353
G01L 1/24
G01K 11/32
G02B 6/00
G02B 6/02
(11) EP2307853
(21) EP09799986.6
(47) 11.09.2019
(87) CN2009072865
28.01.2010
(22) 22.07.2009
(54) TEMPERATURE-COMPENSATED FIBRE OPTIC STRAIN GAUGE
(73) The Hong Kong Polytechnic University
MTR Corporation Limited
(72) TAM, Hwa Yaw
HO, Siu Lau
LIU, Shun Yee
LEE, Kang Kuen
LEE, Tony Kar Yun
HON, Chun Cheong
CHAN, Hing Keung
TAM, Aiken Yiu Ming
(31) 177830
(32) 22.07.2008
(33) United States of America

(51) G01B 11/16
G01D 5/353
G02B 6/02
(11) EP2979057
(21) EP14711236.1
(47) 11.09.2019
(87) EP2014055389
02.10.2014
(22) 18.03.2014
(54) FIBRE-OPTIC SENSOR AND USE THEREOF
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) SCHADE, Wolfgang
BURGMEIER, Jörg
(31) 102013205205
(32) 25.03.2013
(33) Germany

(51) G01B 11/30
G01B 11/25
(11) EP2696165
(21) EP12767260.8
(47) 11.09.2019
(87) JP2012057017
11.10.2012
(22) 19.03.2012
(54) WRINKLE DETECTION DEVICE AND WRINKLE DETECTION METHOD
(73) Nissan Motor Co., Ltd
(72) HIRAYAMA, Mitsuru
TAKAHASHI, Hidehiko
(31) 2011085793
(32) 07.04.2011
(33) Japan

(51) G01B 15/02
G01N 23/223
(11) EP2913632
(21) EP15151728.1
(47) 11.09.2019
(22) 20.01.2015
(54) Method for measuring an object by means of X-ray fluoresence
(73) Helmut Fischer GmbH Institut für Elektronik und Messtechnik.
(72) Rößiger, Volker
(31) 102014102684
(32) 28.02.2014
(33) Germany

(51) G01B 15/02
G01N 23/2252
H01L 21/66
H01L 21/762
(11) EP2708846
(21) EP12782573.5
(47) 11.09.2019
(87) JP2012002503
15.11.2012
(22) 11.04.2012
(54) METHOD FOR DETERMINING FILM THICKNESS OF SOI LAYER OF SOI WAFER
(73) Shin-Etsu Handotai Co., Ltd.
(72) KUWABARA, Susumu
(31) 2011105565
(32) 10.05.2011
(33) Japan

(51) G01B 21/04
(11) EP2623930
(21) EP13151726.0
(47) 11.09.2019
(22) 17.01.2013
(54) Apparatus and method for calibrating laser projection system
(73) The Boeing Company
(72) Ashford, Curtis M
Bollinger, Brian A
(31) 201213366260
(32) 03.02.2012
(33) United States of America

(51) G01B 21/04
G05B 19/00
H04L 9/32
H04W 12/06
(11) EP3298350
(21) EP16720415.5
(47) 11.09.2019
(87) EP2016059878
01.12.2016
(22) 03.05.2016
(54) SYSTEM AND METHOD FOR INTELLIGENTLY COUPLING AND CONNECTING MOBILE TERMINALS TO A COORDINATE-MEASURING DEVICE
(73) Carl Zeiss Industrielle Messtechnik GmbH
(72) RIEK, Matthias
(31) 102015108180
(32) 22.05.2015
(33) Germany

(51) G01B 21/04
G06T 17/00
G06T 19/20
(11) EP2708847
(21) EP13183882.3
(47) 11.09.2019
(22) 11.09.2013
(54) Method, system and program for generating a three-dimensional model
(73) Mitutoyo Corporation
(72) Asamizu, Takanori
Tomono, Yasushi
(31) 2012203626
(32) 14.09.2012
(33) Japan

(51) G01B 21/16
F01D 5/00
F01D 5/22

G06T 19/20
(11) EP3324150
(21) EP17202057.0
(47) 11.09.2019
(22) 16.11.2017
(54) VIRTUAL BLADE INSPECTION
(73) General Electric Company
(72) SALM, Jacob Andrew
BAS, Onat
TURAN, Birol
(31) 201615355202
(32) 18.11.2016
(33) United States of America

(51) G01C 1/00
H01L 31/042
G01S 3/786
H04N 5/238
H04N 5/235
H02S 20/32
(11) EP2933601
(21) EP12889840.0
(47) 11.09.2019
(87) JP2012082550
19.06.2014
(22) 14.12.2012
(54) LIGHT SOURCE POSITION DETECTION APPARATUS, LIGHT SOURCE TRACKING APPARATUS, CONTROL METHOD, AND PROGRAM
(73) National Institute of Advanced Industrial Science and Technology
Ishikawa Trading Co., Ltd.
(72) IGARI, Sanekazu
KIKUCHI, Katsuhiko
SHIOMI, Toshio
ISHIKAWA, Hideo

(51) G01C 5/00
H04N 7/18
G01C 15/00
(11) EP3198222
(21) EP15778467.9
(47) 11.09.2019
(87) US2015052007
31.03.2016
(22) 24.09.2015
(54) ELECTRONIC ROD READER AND FIELD NOTEBOOK
(73) Trimble Inc.
(72) BANK, Michael
(31) 201414498356
(32) 26.09.2014
(33) United States of America

(51) G01C 11/02
G05D 1/00
G03B 15/00
G03B 35/02
G03B 37/02
(11) EP2527787
(21) EP12168267.8
(47) 11.09.2019
(22) 16.05.2012
(54) Aerial photograph image pickup method and aerial photograph image pickup apparatus
(73) Kabushiki Kaisha TOPCON
(72) Ohtomo, Fumio
Osaragi, Kazuki
Anai, Tetsuji
Otani, Hitoshi
(31) 2011114651
2011255996
(32) 23.05.2011
24.11.2011
(33) Japan
Japan

(51) G01C 19/72
(11) EP3327404
(21) EP17201306.2
(47) 11.09.2019
(22) 13.11.2017
(54) APPARATUS AND METHOD FOR DIMINISHING BIAS ERROR IN RESONANT FIBER OPTIC GYROSCOPES
(73) Honeywell International Inc. Intellectual Property - Patent Services
(72) SANDERS, Glen A.
STRANDJORD, Lee K.
QIU, Tiequn
(31) 201615360875
(32) 23.11.2016
(33) United States of America

(51) G01C 21/00
G01S 17/89
A01D 34/00
G01S 19/48
(11) EP2438401
(21) EP10730608.6
(47) 11.09.2019
(87) US2010035242
09.12.2010
(22) 18.05.2010
(54) METHOD AND APPARATUS FOR COMBINING THREE-DIMENSIONAL POSITION AND TWO-DIMENSIONAL INTENSITY MAPPING FOR LOCALIZATION
(73) Robert Bosch GmbH
(72) KAMMEL, Soeren
PITZER, Benjamin
BECKER, Jan
DUHADWAY, Charles
(31) 475701
(32) 01.06.2009
(33) United States of America

(51) G01C 21/04
G01S 19/03
G07C 5/08
G06T 7/73
G06F 17/00
G06K 9/00
G06T 3/00
H04B 7/185
G01S 5/00
(11) EP3349123
(21) EP18151794.7
(47) 11.09.2019
(22) 16.01.2018
(54) SYSTEM FOR MONITORING MARINE VESSELS USING A SATELLITE NETWORK WITH RECEPTION AT A TERRESTRIAL STATION OF THE SATELLITE DATA AND PROCESSING OF AERIAL MARINE IMAGERY USING FRACTAL ALGORITHM FOR VESSEL CLASSIFICATION.
(73) Harris Corporation
(72) Delay, John L.
Ingersoll, Mark A.
Rahmes, Mark D.
Mottarella, David A.
(31) 201715407391
(32) 17.01.2017
(33) United States of America

(51) G01C 21/34
G01S 19/24
G06Q 20/10
G06Q 30/02
H04L 29/12
H04L 29/08
H04W 76/10
G06Q 10/06
G06Q 10/08
G06Q 30/04
G06Q 50/30
(11) EP3196815
(21) EP17151551.3
(47) 11.09.2019
(22) 16.01.2017
(54) METHOD FOR DETECTING PASSENGERS, FOR MANAGING AND OPTIMISING THE SHARED TRANSPORTATION THEREOF
(73) Perret, Stephane Jacques
(72) Perret, Stephane Jacques
(31) 1650512
(32) 22.01.2016
(33) France

(51) G01C 21/36
G06F 16/29
(11) EP3150964
(21) EP16174024.6
(47) 11.09.2019
(22) 10.06.2016
(54) NAVIGATION METHOD AND DEVICE
(73) Xiaomi Inc.
(72) LIU, Guoming
(31) 201510634512
(32) 29.09.2015
(33) China

(51) G01C 21/36
G06T 3/60
G06T 11/00
G06T 11/60
G06T 17/05
G06T 19/00
G06T 7/521
(11) EP2798308
(21) EP12798315.3
(47) 11.09.2019
(87) EP2012075022
04.07.2013
(22) 11.12.2012
(54) PATH SIDE OPTICAL DATA OVERLAID ON MAP DATA
(73) HERE Global B.V.
(72) LYNCH, James
(31) 201113341152
(32) 30.12.2011
(33) United States of America

(51) G01C 22/00
G01C 21/16
(11) EP3076132
(21) EP14865219.1
(47) 11.09.2019
(87) JP2014067665

04.06.2015
(22) 02.07.2014
(54) DISTANCE FACTOR LEARNING DEVICE AND DISTANCE FACTOR LEARNING METHOD
(73) Clarion Co., Ltd.
(72) LIU, Zhixing
KAWABATA, Akihiro
(31) 2013248347
(32) 29.11.2013
(33) Japan

(51) G01C 23/00
(11) EP3270110
(21) EP17170705.2
(47) 11.09.2019
(22) 11.05.2017
(54) SYSTEM AND METHOD FOR DYNAMICALLY DETERMINING AND INDICATING AN AIRCRAFT BANK LIMIT ON AN AIRCRAFT INSTRUMENT PANEL
(73) The Boeing Company
(72) LUDTKE II, Frederick E.
(31) 201615212015
(32) 15.07.2016
(33) United States of America

(51) G01C 25/00
(11) EP2710334
(21) EP12720891.6
(47) 11.09.2019
(87) EP2012059049
29.11.2012
(22) 15.05.2012
(54) METHOD OF CALIBRATING AN INERTIAL ASSEMBLY COMPRISING A DYNAMIC PHASE BETWEEN TWO STATIC PHASES
(73) Safran Electronics & Defense
(72) BECHERET, Yves
(31) 1101564
(32) 20.05.2011
(33) France

(51) G01C 25/00
G01C 21/16
(11) EP3374736
(21) EP16791645.1
(47) 11.09.2019
(87) EP2016077178
18.05.2017
(22) 09.11.2016
(54) METHOD FOR DESIGNING A NAVIGATION PATH AND METHOD FOR ORIENTING A SIGHTING MEMBER FROM SAID NAVIGATION PATH
(73) Safran Electronics & Defense
(72) DAVAIN, Loïc
FABIEN, Simon
(31) 1560751
(32) 10.11.2015
(33) France

(51) G01D 4/00
G01D 11/24
H01Q 9/42
G01F 15/06
H01Q 1/22
H01Q 1/48
H01Q 9/36
(11) EP2833476
(21) EP13767755.5
(47) 11.09.2019
(87) JP2013002051
03.10.2013
(22) 26.03.2013
(54) FLOW VOLUME MEASURING APPARATUS
(73) Panasonic Corporation
(72) MATSUMOTO, Takayuki
YOSHIKAWA, Yoshishige
(31) 2012076600
(32) 29.03.2012
(33) Japan

(51) G01D 4/00
G08C 19/00
(11) EP2932202
(21) EP13803314.7
(47) 11.09.2019
(87) US2013068230
26.06.2014
(22) 04.11.2013
(54) VIRTUAL CLUSTER METER (VCM)
(73) Itron Global SARL
(72) PONTIN, Joseph
LAKICH, Daniel, M.
BUFFINGTON, John
(31) 201213717576
(32) 17.12.2012
(33) United States of America

(51) G01D 4/00
H04L 12/10
(11) EP3088846
(21) EP15165214.6
(47) 11.09.2019
(22) 27.04.2015
(54) ELECTRONIC APPARATUS AND METHOD
(73) Kabushiki Kaisha Toshiba
(72) Tsuji, Tadashi

(51) G01D 4/00
H04Q 9/00
(11) EP2480862
(21) EP10819392.1
(47) 11.09.2019
(87) US2010049820
31.03.2011
(22) 22.09.2010
(54) TELEMETRY SYSTEM
(73) Itron, Inc.
(72) JOHNSON, Matthew
OSTERLOH, Christopher, L.
CORNWALL, Mark, K.
CAHILL-O'BRIEN, Barry
OGLE, James, P.
(31) 245751 P
887856
(32) 25.09.2009
22.09.2010
(33) United States of America
United States of America

(51) G01D 5/244
G01D 5/347
G01D 3/08
(11) EP2963390
(21) EP15001886.9
(47) 11.09.2019
(22) 25.06.2015
(54) POSITION DETECTOR, AND LENS APPARATUS AND IMAGE PICKUP APPARATUS INCLUDING THE POSITION DETECTOR
(73) Canon Kabushiki Kaisha
(72) YONEZAWA, Takeshi
(31) 2014137473
(32) 03.07.2014
(33) Japan

(51) G01D 5/245
G01B 7/00
G01D 5/18
G03B 5/00
G01D 5/14
(11) EP1942317
(21) EP06822229.8
(47) 11.09.2019
(87) JP2006321252
03.05.2007
(22) 25.10.2006
(54) POSITION DETECTING APPARATUS AND OPTICAL DEVICE
(73) Nikon Corporation
(72) MATSUMOTO, Tsuyoshi
(31) 2005310307
(32) 25.10.2005
(33) Japan

(51) G01D 9/00
G01D 11/24
(11) EP3270117
(21) EP17001174.6
(47) 11.09.2019
(22) 10.07.2017
(54) DATA LOGGER
(73) Testo SE & Co. KGaA
(72) Binder, Jörg
Faisst, Tobias
(31) 102016008517
(32) 15.07.2016
(33) Germany

(51) G01D 11/24
G01L 19/14
B81B 7/00
(11) EP3260821
(21) EP16175474.2
(47) 11.09.2019
(22) 21.06.2016
(54) SENSOR PACKAGE AND METHOD OF PRODUCING THE SENSOR PACKAGE
(73) ams International AG
(72) Besling, Willem Frederik Adrianus
van der Avoort, Casper
Tak, Coenraad Cornelis
Pijnenburg, Remco Henricus Wilhelmus
Wunnicke, Olaf
Bouman, Hendrik

(51) G01D 21/00
(11) EP3358311
(21) EP17154442.2
(47) 11.09.2019
(22) 02.02.2017
(54) SENSOR SHIELDING FOR HARSH MEDIA APPLICATIONS
(73) Melexis Technologies NV
(72) VAN DER WIEL, Appolonius Jacobus

(51) G01D 21/00
G01L 1/18

H01B 1/24
B82Y 15/00
B82Y 30/00
C08J 5/04
C08K 5/00
C08L 47/00
C08L 75/04
C08L 83/04
G01L 1/22
H01B 1/22
(11) EP3320306
(21) EP16741573.6
(47) 11.09.2019
(87) EP2016066348
19.01.2017
(22) 08.07.2016
(54) SENSOR FOR A PHYSICAL FEATURE, PREFERABLY COMPRISING A MULTILAYER STRUCTURE
(73) CPC Technology
Universite De Bretagne Sud
(72) BENECH, Gabriel
LEGRAND, Jean-Marc
FELLER, Jean-François
CASTRO, Mickaël
TUNG, Tran Than
(31) 1556583
(32) 10.07.2015
(33) France

(51) G01D 21/02
F02D 41/18
F02D 37/02
G01D 3/036
G01N 27/12
G01N 27/22
G01N 33/00
F02D 41/28
(11) EP3128297
(21) EP15773168.8
(47) 11.09.2019
(87) JP2015050193
08.10.2015
(22) 07.01.2015
(54) PHYSICAL QUANTITY DETECTION DEVICE
(73) Hitachi Automotive Systems, Ltd.
(72) HOSHIKA, Hiroaki
YOGO, Takayuki
MIKI, Takahiro
HOSOKAWA, Takeo
ISOYA, Yuki
(31) 2014073519
(32) 31.03.2014
(33) Japan

(51) G01F 1/00
G01F 7/00
G01D 3/024
G01D 3/08
(11) EP2345876
(21) EP10156165.2
(47) 11.09.2019
(22) 11.03.2010
(54) Method for avoiding jumps in measurement results and improving accuracy in hybrid flow meters
(73) Flow-Tronic S.A.
(72) Sevar, Jean-Marie
(31) 295904
(32) 18.01.2010
(33) United States of America

(51) G01F 1/36
F04B 9/10
F04B 13/02
F04B 43/067
(11) EP3332118
(21) EP16742409.2
(47) 11.09.2019
(87) IB2016054171
09.02.2017
(22) 13.07.2016
(54) SUPERVISED PROPORTIONAL METERING DEVICE AND METHODS FOR MONITORING A METERING PUMP
(73) DOSATRON INTERNATIONAL
(72) LUCAS, Grégory
CHARRIERE, Christophe
(31) 1557578
(32) 06.08.2015
(33) France

(51) G01F 1/40
G01F 15/18
(11) EP2972122
(21) EP14714050.3
(47) 11.09.2019
(87) US2014021597
25.09.2014
(22) 07.03.2014
(54) PROCESS VARIABLE MEASUREMENT USING PRIMARY ELEMENT CONNECTION PLATFORM
(73) Dieterich Standard, Inc.
(72) STROM, Gregory Robert
DEEGAN, Paul Timothy
(31) 201313836263
(32) 15.03.2013
(33) United States of America

(51) G01F 1/66
G01F 1/74
G01N 29/02
(11) EP3311123
(21) EP16738259.7
(47) 11.09.2019
(87) US2016038660
29.12.2016
(22) 22.06.2016
(54) SYSTEM AND METHOD TO PROVIDE ENTROPY BASED CHARACTERIZATION OF MULTIPHASE FLOW
(73) Saudi Arabian Oil Company
(72) AHMAD, Talha, Jamal
BLACK, Michael, John
ARSALAN, Muhammad
NOUI-MEHIDI, Mohamed, Nabil
(31) 201562182786 P
(32) 22.06.2015
(33) United States of America

(51) G01F 1/708
G01F 1/712
G01F 23/296
G01F 1/66
(11) EP2877816
(21) EP13739647.9
(47) 11.09.2019
(87) EP2013064925
30.01.2014
(22) 15.07.2013
(54) METHOD AND APPARATUS FOR OPERATING AN ACOUSTIC MEASURING APPARATUS
(73) CPT Group GmbH
(72) REITMEIER, Torsten
SCHIESSL, Sabrina
(31) 102012212901
(32) 24.07.2012
(33) Germany

(51) G01F 1/74
G01F 1/66
G01N 29/02
(11) EP3311124
(21) EP16744945.3
(47) 11.09.2019
(87) US2016038641
29.12.2016
(22) 22.06.2016
(54) SYSTEM AND METHOD TO PROVIDE ENTROPY BASED CHARACTERIZATION OF MULTIPHASE FLOW
(73) Saudi Arabian Oil Company
(72) AHMAD, Talha, Jamal
BLACK, Michael, John
ARSALAN, Muhammad
NOUI-MEHIDI, Mohamed, Nabil
(31) 201562182786 P
(32) 22.06.2015
(33) United States of America

(51) G01F 3/38
G01F 23/26
G01F 25/00
G01N 27/22
A61B 5/20
(11) EP2780672
(21) EP12797777.5
(47) 11.09.2019
(87) EP2012072771
23.05.2013
(22) 15.11.2012
(54) URINE PRODUCTION HANDLING DEVICE AND METHOD
(73) Observe Medical ApS
(72) LÖFGREN, Mikael
CHARLEZ, Mikael
(31) 1151089
(32) 16.11.2011
(33) Sweden

(51) G01F 5/00
G01F 15/12
G01F 15/18
G01F 1/684
G01F 1/69
F04D 27/00
(11) EP3106843
(21) EP16169581.2
(47) 11.09.2019
(22) 13.05.2016
(54) NOZZLE DEVICE WITH SENSOR IN A BYPASS
(73) ebm-papst Landshut GmbH
(72) Dr. Dannemann, Jan
Dr. Keber, Roland
Sachsenhauser, Andreas
Schwalme, Jürgen
(31) 102015109686

(32) 17.06.2015
(33) Germany

(51) G01F 23/00
G01F 23/284
G01S 13/10
G01S 13/88
(11) EP3159662
(21) EP16191918.8
(47) 11.09.2019
(22) 30.09.2016
(54) ROPE PROBE, LEVEL SENSING DEVICE, AND METHOD FOR PRODUCING A ROPE PROBE
(73) VEGA Grieshaber KG
(72) BENZ, Joachim
(31) 102015220578
(32) 21.10.2015
(33) Germany

(51) G01G 13/24
G01F 13/00
G01F 15/18
(11) EP3327409
(21) EP16201054.0
(47) 11.09.2019
(22) 29.11.2016
(54) AUTOMATED DOSAGE-DISPENSING SYSTEM FOR POWDERY SUBSTANCES, AND METHOD OF ASCERTAINING THAT THE SYSTEM IS READY FOR OPERATION
(73) Mettler-Toledo GmbH
(72) WEBER, René
HOFMANN, Jan
KELLER, Daniel
MEYER, Michalis

(51) G01G 19/02
G01L 5/13
B60D 1/24
B60D 1/06
(11) EP3114440
(21) EP15758813.8
(47) 11.09.2019
(87) US2015019071
11.09.2015
(22) 05.03.2015
(54) BALL MOUNT FOR MEASURING TONGUE WEIGHT OF A TRAILER
(73) McAllister, Kevin
(72) McAllister, Kevin
(31) 201461948487 P
201461948456 P
(32) 05.03.2014
05.03.2014
(33) United States of America
United States of America

(51) G01H 1/00
F04C 28/28
F04C 18/16
G01M 1/00
F01C 1/16
(11) EP3193144
(21) EP16002564.9
(47) 11.09.2019
(22) 01.12.2016
(54) ROTARY MACHINE ABNORMALITY DETECTION DEVICE AND METHOD THEREOF AND ROTARY MACHINE
(73) Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)
(72) Araki, Kaname
Takahashi, Eiji
Takaki, Shugo
Hayashi, Masato
(31) 2016007115
(32) 18.01.2016
(33) Japan

(51) G01H 1/00
G01P 3/44
G01P 3/48
(11) EP3370046
(21) EP18155575.6
(47) 11.09.2019
(22) 07.02.2018
(54) METHOD AND DEVICE FOR DETERMINING MACHINE SPEEDS
(73) Prüftechnik Dieter Busch GmbH
(72) Brunn, Dietrich
Germer, Jan
(31) 102017104207
(32) 01.03.2017
(33) Germany

(51) G01L 1/00
G01L 3/10
G01L 3/04
B62M 3/00
(11) EP3364164
(21) EP18157165.4
(47) 11.09.2019
(22) 17.07.2012
(54) TORQUE SENSOR
(73) Grassi, Michael, J.
(72) Grassi, Michael, J.
(31) 201161508793 P
(32) 18.07.2011
(33) United States of America

(51) G01L 1/12
G01L 3/10
(11) EP3250895
(21) EP15790139.8
(47) 11.09.2019
(87) EP2015075751
04.08.2016
(22) 04.11.2015
(54) FORCE MEASUREMENT DEVICE
(73) Torque and More (TAM) GmbH
(72) MAY, Lutz
(31) 15153085
(32) 29.01.2015
(33) European Patent Office (EPO)

(51) G01L 1/18
G02B 26/08
G02B 26/10
(11) EP3111181
(21) EP15704670.7
(47) 11.09.2019
(87) US2015014341
03.09.2015
(22) 04.02.2015
(54) STRAIN-BASED SENSING OF MIRROR POSITION
(73) Apple Inc.
(72) GERSON, Yuval
(31) 201461944582 P
201414552500
(32) 26.02.2014
25.11.2014
(33) United States of America
United States of America

(51) G01L 1/20
G01L 1/22
(11) EP3123131
(21) EP15701729.4
(47) 11.09.2019
(87) EP2015051049
01.10.2015
(22) 21.01.2015
(54) FLEXIBLE SENSOR ASSEMBLY FOR SENSING A PRESSURE DISTRIBUTION
(73) ContiTech AG
(72) SOSTMANN, Stefan
WIETZKE, Steffen
HERRMANN, Wolfram
PAULSEN, Hans-Peter
(31) 102014205825
(32) 28.03.2014
(33) Germany

(51) G01L 3/10
G01L 5/22
B62D 6/10
B62D 15/02
G01D 5/14
G01P 3/487
(11) EP2601493
(21) EP11741166.0
(47) 11.09.2019
(87) EP2011062670
09.02.2012
(22) 22.07.2011
(54) TORQUE SENSOR ARRANGEMENT HAVING AN INDEX MAGNET
(73) Continental Teves AG & Co. OHG
(72) ANTONI, Henrik
GOLL, Manfred
KROHN, Thomas
(31) 102010064145
102010038843
(32) 23.12.2010
03.08.2010
(33) Germany
Germany

(51) G01L 3/14
(11) EP2546626
(21) EP12176396.5
(47) 11.09.2019
(22) 13.07.2012
(54) Force measuring device for a bicycle
(73) HONGJI INTELLIGENT BIKE CO., LTD.
(72) HSU, Ching-Feng
(31) 100212838
(32) 13.07.2011
(33) Taiwan, Province of China

(51) G01L 5/00
G01N 33/02
G01N 3/40
(11) EP2817600
(21) EP13813845.8
(47) 11.09.2019
(87) NZ2013000017
09.01.2014
(22) 21.02.2013
(54) SYSTEM AND METHOD FOR DETERMINING A PROPERTY OF AN OBJECT, AND A VALVE

(73) The New Zealand Institute for Plant and Food Research Limited
(72) SCHAARE, Peter, Niven
MCDONALD, Roderick, Munro
MCGLONE, Vincent, Andrew
(31) 201261601815 P
(32) 22.02.2012
(33) United States of America

(51) G01L 5/22
G01D 5/14
G01L 3/10
B62D 15/02
(11) EP2829858
(21) EP13763845.8
(47) 11.09.2019
(87) JP2013052257
26.09.2013
(22) 31.01.2013
(54) TORQUE SENSOR
(73) KYB Corporation
(72) MAEHARA, Hideo
YAMADA, Ryota
TSUTSUMI, Kazuhiko
HAYASHI, Takayuki
(31) 2012065755
2012065765
(32) 22.03.2012
22.03.2012
(33) Japan
Japan

(51) G01L 9/00
G01L 13/06
G01L 13/02
G01L 19/00
(11) EP2936100
(21) EP13814473.8
(47) 11.09.2019
(87) EP2013075747
26.06.2014
(22) 06.12.2013
(54) HYDRAULIC MEASURING UNIT WITH COPLANAR PRESSURE INLETS AND DIFFERENTIAL PRESSURE SENSOR HAVING SUCH A MEASURING UNIT
(73) Endress+Hauser SE+Co. KG
(72) LEMKE, Benjamin
NOACK, Michael
TEIPEN, Rafael
THAM, Anh Tuan
(31) 102012113042
(32) 21.12.2012
(33) Germany

(51) G01L 9/00
G08B 29/04
G01L 7/06
G01L 19/12
G08B 17/04
(11) EP3009820
(21) EP15190003.2
(47) 11.09.2019
(22) 15.10.2015
(54) PNEUMATIC DETECTOR ASSEMBLY WITH BELLOWS
(73) Kidde Technologies, Inc.
(72) FRASURE, David
WALLACE, Steven
STANDIFER, William Brett
(31) 201414515886
(32) 16.10.2014
(33) United States of America

(51) G01L 15/00
G01L 9/00
(11) EP3098584
(21) EP15200285.3
(47) 11.09.2019
(22) 15.12.2015
(54) INTEGRATED PRESSURE SENSOR WITH DOUBLE MEASURING SCALE, PRESSURE MEASURING DEVICE INCLUDING THE INTEGRATED PRESSURE SENSOR, BRAKING SYSTEM, AND METHOD OF MEASURING A PRESSURE USING THE INTEGRATED PRESSURE SENSOR
(73) STMicroelectronics S.r.l.
(72) Pagani, Alberto
Murari, Bruno
Ferrera, Marco
Giusti, Domenico
Caltabiano, Daniele
(31) UB20150961
(32) 27.05.2015
(33) Italy

(51) G01L 19/00
(11) EP3314228
(21) EP16726547.9
(47) 11.09.2019
(87) EP2016062219
29.12.2016
(22) 31.05.2016
(54) PRESSURE TRANSMISSION MODULE AND PRESSURE SENSOR HAVING A PRESSURE TRANSMISSION MODULE
(73) Endress+Hauser SE+Co. KG
(72) FUNKEN, Dieter
GETMAN, Igor
LOPATIN, Sergej
(31) 102015110351
(32) 26.06.2015
(33) Germany

(51) G01L 19/00
G01L 19/06
G01L 19/14
G01L 9/00
(11) EP3156776
(21) EP16190066.7
(47) 11.09.2019
(22) 22.09.2016
(54) PRESSURE SENSOR
(73) Nagano Keiki Co., Ltd.
(72) YAMAGISHI, Nobutaka
YAMASHITA, Naoki
IMAI, Atsushi
(31) 2015188666
(32) 25.09.2015
(33) Japan

(51) G01N 1/28
G01N 1/10
G01N 15/14
G01N 35/10
(11) EP2261632
(21) EP09726778.5
(47) 11.09.2019
(87) JP2009056071
08.10.2009
(22) 26.03.2009
(54) Sample preparation device, and cell analyzing device with the same
(73) Sysmex Corporation
(72) FUKUDA, Masakazu
KOBAYASHI, Hironori
DING, Junyi
EBI,Ryuichiro
TAJIMA, Koki
(31) 2008089863
2008089868
(32) 31.03.2008
31.03.2008
(33) Japan
Japan

(51) G01N 1/31
G01N 1/28
G01N 15/14
G01N 15/00
G01N 35/04
G01N 35/00
(11) EP3301429
(21) EP17193444.1
(47) 11.09.2019
(22) 27.09.2017
(54) BLOOD SAMPLE TESTING APPARATUS AND BLOOD SAMPLE TESTING METHOD
(73) SYSMEX CORPORATION
(72) ODA, Tetsuya
SHINABE, Seiya
KAJINO, Shouhei
NISHIKAWA, Ken
FUKUMA, Daigo
(31) 2016191450
(32) 29.09.2016
(33) Japan

(51) G01N 1/34
G01N 27/414
G01N 33/543
(11) EP2909601
(21) EP13783780.3
(47) 11.09.2019
(87) US2013065233
24.04.2014
(22) 16.10.2013
(54) METHOD OF INCREASING THE DEBYE LENGTH ON A SENSOR SURFACE WITHIN A SAMPLE SOLUTION AND CORRESPONDING COMPUTER READABLE STRORAGE MEDIUM
(73) ABBOTT LABORATORIES
(72) FISCHER, Andrew T.
(31) 201261714658 P
(32) 16.10.2012
(33) United States of America

(51) G01N 1/40
C12M 1/00
B01L 3/00
G01N 1/34
(11) EP2634245
(21) EP11836590.7
(47) 11.09.2019
(87) KR2011007977
03.05.2012
(22) 25.10.2011
(54) CELL COLLECTION DEVICE
(73) Cytogen Co., Ltd.
(72) JEON, Byung Hee

LEE, Jong Kil
(31) 20100104251
(32) 25.10.2010
(33) Korea (Republic)

(51) G01N 1/44
G01N 33/00
F27D 19/00
G01N 1/22
G01N 31/12
(11) EP3064938
(21) EP14858696.9
(47) 11.09.2019
(87) JP2014078740
07.05.2015
(22) 29.10.2014
(54) ANALYSIS DEVICE
(73) Horiba, Ltd.
(72) HIRATA, Yasushi
INOUE, Takahito
KUROZUMI, Takuji
(31) 2013224706
(32) 29.10.2013
(33) Japan

(51) G01N 3/06
G01N 3/08
G01N 3/24
G01N 33/36
(11) EP3002580
(21) EP14306543.1
(47) 11.09.2019
(22) 30.09.2014
(54) Assessment of shear forces distribution at fixation points of textile-based implants
(73) Sofradim Production
(72) Belzacq, Tristan René Guy
Ordrenneau, Clément
Turquier, Frédéric Laurent Pascal

(51) G01N 3/20
(11) EP3164690
(21) EP15736423.3
(47) 11.09.2019
(87) EP2015065250
07.01.2016
(22) 03.07.2015
(54) PURE BENDING MECHANICAL TEST DEVICE, AND METHOD FOR IMPLEMENTING SAME
(73) Université Grenoble Alpes
(72) CONNESSON, Nathanael
PAYAN, Yohan
ANTEHRIEU, Gabriel
FAVIER, Denis
(31) 1456479
(32) 04.07.2014
(33) France

(51) G01N 3/32
G01N 3/06
(11) EP2677297
(21) EP12747578.8
(47) 11.09.2019
(87) JP2012052881
23.08.2012
(22) 08.02.2012
(54) METHOD FOR ULTRASONIC FATIGUE TESTING AT HIGH TEMPERATURE
(73) National Institute for Materials Science
(72) FURUYA Yoshiyuki
(31) 2011029557
(32) 15.02.2011
(33) Japan

(51) G01N 3/58
E01C 23/088
(11) EP2887049
(21) EP14190286.6
(47) 11.09.2019
(22) 24.10.2014
(54) Wear forecast method for a ground working machine
(73) Wirtgen GmbH
(72) Paulsen, Sven
Wagner, Dr. Stefan
Barimani, Dr. Cyrus
Hähn, Dr. Günter
(31) 102013112972
(32) 25.11.2013
(33) Germany

(51) G01N 17/04
H01L 23/31
H01L 23/00
H05K 3/28
B29C 45/00
(11) EP3080584
(21) EP14799827.2
(47) 11.09.2019
(87) EP2014075169
18.06.2015
(22) 20.11.2014
(54) CORROSION SENSOR HAVING DOUBLE-ENCAPSULATED WIRE CONNECTIONS AND MANUFACTURING METHOD FOR IT
(73) BAE Systems PLC
(72) BALMOND, Mark, David
PARFITT, Alexander, Roy
PANAGHISTON, Gary David
TWEEN, Larry Brian
FIGGURES, Christopher, Colin
(31) 201321726
13275304
(32) 09.12.2013
09.12.2013
(33) United Kingdom
European Patent Office (EPO)

(51) G01N 21/05
G01N 21/64
G01J 3/44
G01J 3/02
G01N 21/03
(11) EP3169988
(21) EP15778417.4
(47) 11.09.2019
(87) US2015050143
07.04.2016
(22) 15.09.2015
(54) FLOW CELL MODULES
(73) PerkinElmer Health Sciences, Inc.
(72) DICESARE, Joseph L.
JIN, Feng
NEAL, Timothy P.
AIKENS, David
(31) 201414501544
(32) 30.09.2014
(33) United States of America

(51) G01N 21/15
G01B 9/02
G01N 21/47
G01N 21/90
(11) EP3028031
(21) EP14747518.0
(47) 11.09.2019
(87) EP2014002090
05.02.2015
(22) 30.07.2014
(54) METHOD FOR DETECTING FOREIGN BODIES OR OTHER SCATTERING CENTRES IN OPTICALLY TRANSPARENT CONTAINERS
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) RÖDER, Olaf
FISCHER, Björn
WOLF, Christian
(31) 102013012692
(32) 31.07.2013
(33) Germany

(51) G01N 21/17
G01N 21/41
G01N 21/47
E21B 49/00
E21B 47/10
E21B 49/08
G01J 3/02
G01J 3/36
G01N 27/27
G01N 33/28
G01J 3/12
G01N 21/27
(11) EP3194931
(21) EP14894185.9
(47) 11.09.2019
(87) US2014056645
24.03.2016
(22) 19.09.2014
(54) INTEGRATED COMPUTATIONAL ELEMENTS WITH PLANAR WAVEGUIDE
(73) Halliburton Energy Services Inc.
(72) PERKINS, David L.
JONES, Christopher M.
PAI, Nagaraja
PELLETIER, Michael T.

(51) G01N 21/31
G01N 33/00
(11) EP3168601
(21) EP15819212.0
(47) 11.09.2019
(87) RU2015000417
14.01.2016
(22) 03.07.2015
(54) ABSORPTION ANALYZER
(73) Stroganov, Alexander Anatolevich
Sholupov, Sergey Evgenevich
Pogarev, Sergey Evgenevich
Ganeev, Alexander Ahatovich
Ryzhov, Vladimir Veniaminovich
(72) Stroganov, Alexander Anatolevich
Sholupov, Sergey Evgenevich
Pogarev, Sergey Evgenevich
Ganeev, Alexander Ahatovich
Ryzhov, Vladimir Veniaminovich
(31) 2014128237
(32) 09.07.2014
(33) Russian Federation

(51) G01N 21/39

G01N 21/3504
G01N 21/27
G01J 3/433
(11) EP2440893
(21) EP10786945.5
(47) 11.09.2019
(87) US2010038417
16.12.2010
(22) 11.06.2010
(54) OPTICAL ABSORBANCE MEASUREMENTS WITH SELF-CALIBRATION AND EXTENDED DYNAMIC RANGE
(73) SpectraSensors, Inc.
(72) LIU, Xiang
FEITISCH, Alfred
ZHOU, Xin
(31) 186749 P
(32) 12.06.2009
(33) United States of America

(51) G01N 21/47
G01N 35/02
G01N 21/51
(11) EP2667182
(21) EP12736834.8
(47) 11.09.2019
(87) JP2012050243
26.07.2012
(22) 10.01.2012
(54) Automatic analysis device taking into account thermal drift
(73) Hitachi High-Technologies Corporation
(72) MAKINO, Akihisa
ADACHI, Sakuichiro
(31) 2011006809
(32) 17.01.2011
(33) Japan

(51) G01N 21/65
G01N 21/64
G02B 21/00
G02B 21/16
G02B 21/18
G02B 27/58
G02B 21/06
(11) EP2685239
(21) EP12755122.4
(47) 11.09.2019
(87) JP2012001558
13.09.2012
(22) 07.03.2012
(54) NONLINEAR MICROSCOPE AND NONLINEAR OBSERVATION METHOD
(73) Nikon Corporation
(72) FUKUTAKE, Naoki
(31) 2011049415
(32) 07.03.2011
(33) Japan

(51) G01N 21/76
G01N 21/15
G01N 27/22
G01N 21/25
G01N 21/01
(11) EP3230719
(21) EP15868139.5
(47) 11.09.2019
(87) US2015064399
16.06.2016
(22) 08.12.2015
(54) SAMPLE ANALYZING APPARATUS
(73) Molecular Devices, LLC
(72) ATZLER, Josef, J.
KATZLINGER, Michael
KRONBERGER, Georg
SCHINWALD, Bernhard
(31) 201414566708
(32) 10.12.2014
(33) United States of America

(51) G01N 21/84
G01N 35/00
G05D 3/12
(11) EP2829866
(21) EP14168099.1
(47) 11.09.2019
(22) 13.05.2014
(54) Test apparatus and method of controlling the same
(73) Samsung Electronics Co., Ltd
(72) Gwon, Se Do
Kang, Kyu Tae
(31) 20130087515
(32) 24.07.2013
(33) Korea (Republic)

(51) G01N 21/89
B65H 63/06
D01H 13/22
G01B 11/10
G01N 33/36
(11) EP2687838
(21) EP13173808.0
(47) 11.09.2019
(22) 26.06.2013
(54) A DEVICE FOR MONITORING A QUALITY OF MOVING LINEAR TEXTILE MATERIAL AT AN OPERATING UNIT OF A TEXTILE MACHINE
(73) Rieter CZ s.r.o.
Ustav fyziky plazmatu AV CR, v.v.i.
(72) BERAN, Zdenêk
KOUSALÍK, Pavel
MELICH, Radek
(31) 20120499
(32) 20.07.2012
(33) Czech Republic

(51) G01N 21/898
D06H 3/08
(11) EP2573550
(21) EP11783264.2
(47) 11.09.2019
(87) JP2011002722
24.11.2011
(22) 17.05.2011
(54) CLOTH INSPECTION DEVICE AND INSPECTION METHOD
(73) Purex Co., Ltd.
(72) HAMADA, Kazushi
ENAMI, Yasuhiko
(31) 2010116428
(32) 20.05.2010
(33) Japan

(51) G01N 21/90
G01N 21/88
(11) EP1577664
(21) EP05003346.3
(47) 11.09.2019
(22) 17.02.2005
(54) INSPECTION APPARATUS FOR BOTTLES OR SIMILAR CONTAINERS
(73) KHS GmbH
(72) HARTIG, Wolfgang
(31) 102004013774
(32) 20.03.2004
(33) Germany

(51) G01N 23/04
G01V 5/00
(11) EP2459991
(21) EP10739436.3
(47) 11.09.2019
(87) US2010043201
03.02.2011
(22) 26.07.2010
(54) TOP-DOWN X-RAY INSPECTION TRAILER
(73) American Science & Engineering, Inc.
(72) MASTRONARDI, Richard
ROTHSCHILD, Peter, J.
(31) 229452 P
(32) 29.07.2009
(33) United States of America

(51) G01N 23/046
(11) EP3129771
(21) EP15720357.1
(47) 11.09.2019
(87) FR2015050902
15.10.2015
(22) 07.04.2015
(54) MEASUREMENT DEVICE FOR CORRECTING PARASITIC MOVEMENTS IN AN X-RAY TOMOGRAPH
(73) Université Grenoble Alpes
(72) SALAGER, Simon
ANDO, Edward Carlo Giorgio
DESRUES, Jacques
(31) 1453091
(32) 08.04.2014
(33) France

(51) G01N 23/046
G01B 15/04
G01N 23/223
(11) EP3006924
(21) EP14804436.5
(47) 11.09.2019
(87) JP2014064330
04.12.2014
(22) 29.05.2014
(54) DEVICE AND METHOD FOR IMAGE RECONSTRUCTION AT DIFFERENT X-RAY ENERGIES
(73) Tokyo Metropolitan Industrial Technology Research Institute
(72) MONKAWA, Akira
NAKANISHI, Shoichi
ABE, Shinya
KONDO, Mikiya
HARADA, Koh
(31) 2013113498
(32) 29.05.2013
(33) Japan

(51) G01N 23/20058
H01J 37/26
H01J 37/244
H01J 37/20
H01J 37/28
H01J 37/295

(11) EP3379236
(21) EP17000451.9
(47) 11.09.2019
(22) 20.03.2017
(54) SCANNING TRANSMISSION ELECTRON MICROSCOPE
(73) TESCAN Brno, s.r.o.
Tescan Tempe, LLC.
(72) Petras, Stanislav
Lencová, Bohumila
Benner, Gerd Ludwig
Weiss, Jon Karl

(51) G01N 25/04
G01N 27/06
G01N 29/024
F01N 3/20
F01N 11/00
(11) EP2893164
(21) EP13739463.1
(47) 11.09.2019
(87) EP2013065503
13.03.2014
(22) 23.07.2013
(54) MEASUREMENT ELEMENT AND METHOD FOR DIFFERENTIATING VARIOUS KINDS OF LIQUIDS
(73) Robert Bosch GmbH
(72) LOESCH, Stefan
(31) 102012215635
(32) 04.09.2012
(33) Germany

(51) G01N 25/66
F24F 1/00
F24F 3/14
F24F 11/30
F24F 110/20
F24F 1/0007
F24F 110/10
(11) EP2253898
(21) EP08722578.5
(47) 11.09.2019
(87) JP2008055214
24.09.2009
(22) 21.03.2008
(54) INDOOR UNIT AND AIR CONDITIONING APPARATUS INCLUDING THE SAME
(73) Mitsubishi Electric Corporation
(72) TSUTSUMI, Hiroshi

(51) G01N 27/22
H01G 4/06
(11) EP2304416
(21) EP09797450.5
(47) 11.09.2019
(87) EP2009057708
21.01.2010
(22) 22.06.2009
(54) CAPACITIVE HUMIDITY SENSOR WITH NANOPOROUS HYDROPHILIC DIELECTRIC AND FABRICATION PROCESS THEREFOR
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) GRANGE, Hubert
DANEL, Jean-Sébastien
DESLOGES, Brigitte
JOUSSEAUME, Vincent
(31) 0854826
(32) 16.07.2008
(33) France

(51) G01N 27/333
G01N 33/487
G01N 33/543
G01N 33/558
(11) EP3077806
(21) EP14824208.4
(47) 11.09.2019
(87) US2014068808
11.06.2015
(22) 05.12.2014
(54) ASSAY DEVICE HAVING A WASH PORT
(73) Ortho Clinical Diagnostics, Inc.
(72) JAKUBOWICZ, Raymond, F.
(31) 201361912673 P
(32) 06.12.2013
(33) United States of America

(51) G01N 27/414
G03C 5/26
(11) EP2839274
(21) EP13764018.1
(47) 11.09.2019
(87) FI2013050308
26.09.2013
(22) 19.03.2013
(54) METHOD FOR MEASURING RADIOACTIVITY OR CHEMILUMINESCENCE
(73) Jyväskylän Yliopisto
(72) TIIROLA, Marja
(31) 20125303
201261612476 P
(32) 19.03.2012
19.03.2012
(33) Finland
United States of America

(51) G01N 27/447
B01D 57/02
A61N 1/30
A44B 17/00
(11) EP2509681
(21) EP10836707.9
(47) 11.09.2019
(87) US2010059756
16.06.2011
(22) 09.12.2010
(54) INSTRUMENT FOR INDEPENDENT ELECTROTRANSFER IN MULTIPLE CASSETTES
(73) Bio-Rad Laboratories, Inc.
(72) LATHAM, Matthew
STRONG, William
CHMIEL, Nikolas
XU, Jeff
IOVANNI, Robert
(31) 285661 P
963430
(32) 11.12.2009
08.12.2010
(33) United States of America
United States of America

(51) G01N 27/447
G01N 21/64
(11) EP3008466
(21) EP14836664.4
(47) 11.09.2019
(87) US2014042019
19.02.2015
(22) 11.06.2014
(54) METHOD FOR ASSESSING FRAGMENT LENGTHS OF MOLECULAR CHAINS USING MULTIPLE DYES
(73) Coastal Genomics Inc.
(72) SLOBODAN, Jared
NESBITT, Matthew
(31) 201361833823 P
(32) 11.06.2013
(33) United States of America

(51) G01N 27/87
G01N 27/90
(11) EP3329269
(21) EP16757547.1
(47) 11.09.2019
(87) DE2016100312
02.02.2017
(22) 13.07.2016
(54) SENSOR ARRANGEMENT FOR ROTATING HEAD AND INSPECTION DEVICE
(73) Prüftechnik Dieter Busch GmbH
(72) PETERS, Jürgen
(31) 102015214232
(32) 28.07.2015
(33) Germany

(51) G01N 29/02
G01N 27/04
G01N 27/22
B82Y 15/00
G06F 3/045
(11) EP2649439
(21) EP11804974.1
(47) 11.09.2019
(87) EP2011072113
14.06.2012
(22) 07.12.2011
(54) METHOD FOR ASSEMBLING CONDUCTIVE PARTICLES INTO CONDUCTIVE PATHWAYS
(73) Condalign AS
(72) BUCHANAN, Mark
KNAAPILA, Matti
HELGESEN, Geir
HOEYER, Henrik
(31) 20101714
1151005
(32) 08.12.2010
27.10.2011
(33) Norway
Sweden

(51) G01N 29/04
G01N 29/22
G01N 29/26
G01N 29/265
(11) EP2871475
(21) EP14003720.1
(47) 11.09.2019
(22) 05.11.2014
(54) Ultrasonic testing sensor and ultrasonic testing method
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) Suzuki, Yutaka
Chiba, Hiroaki
Kudo, Takeshi
(31) 2013231258
(32) 07.11.2013

(33) Japan

(51) G01N 29/04
G01N 29/24
G01N 29/28
(11) EP2282201
(21) EP10171445.9
(47) 11.09.2019
(22) 30.07.2010
(54) Method for measuring the properties of a surface of a body and device for measuring the properties of a surface of a body
(73) SensAction AG
(72) Braun, Rudolf
Münch, Michael
Faustmann, Hendrik
(31) 102009036001
(32) 30.07.2009
(33) Germany

(51) G01N 29/11
G01N 29/44
(11) EP2277038
(21) EP09745579.4
(47) 11.09.2019
(87) EP2009003484
19.11.2009
(22) 15.05.2009
(54) METHOD FOR THE IN-LINE MEASUREMENT OF THE SETTING, CONTRACTION AND WALL RELEASE BEHAVIOUR OF CONFECTIONERY/ CHOCOLATE PRODUCTS WHICH HAVE BEEN POURED INTO MOULDS DURING PRODUCTION, AND APPARATUS FOR CARRYING OUT THIS METHOD
(73) ETH Zurich
(72) WINDHAB, Erich, J.
MEHRLE, Yvonne
PFISTER, Bruno
(31) 102008024050
(32) 16.05.2008
(33) Germany

(51) G01N 29/24
(11) EP2257797
(21) EP09724018.8
(47) 11.09.2019
(87) US2009038309
01.10.2009
(22) 26.03.2009
(54) SYSTEM, PROGRAM PRODUCT, AND RELATED METHODS FOR REGISTERING THREE-DIMENSIONAL MODELS TO POINT DATA REPRESENTING THE POSE OF A PART
(73) Lockheed Martin Corporation
(72) MILLER, James
TURNER, Wesley
LORENSEN, William
(31) 40415
202016
(32) 28.03.2008
29.08.2008
(33) United States of America
United States of America

(51) G01N 29/24
B06B 1/08
B06B 1/04
(11) EP3213063
(21) EP15790191.9
(47) 11.09.2019
(87) GB2015053161
06.05.2016
(22) 22.10.2015
(54) ELECTROMAGNETIC ACOUSTIC TRANSDUCER
(73) Permasense Limited
(72) CEGLA, Frederic Bert
GARCIA, Julio Agustin Isla
(31) 201419219
201507388
(32) 29.10.2014
30.04.2015
(33) United Kingdom
United Kingdom

(51) G01N 29/44
F27D 19/00
F27D 21/00
(11) EP1756717
(21) EP05755505.4
(47) 11.09.2019
(87) US2005019250
15.12.2005
(22) 01.06.2005
(54) 2D AND 3D DISPLAY SYSTEM AND METHOD FOR FURNACE TUBE INSPECTION
(73) Quest Integrity USA, LLC
(72) BONDURANT, Phillip, D.
DE LORENZO, Robert
ROBERTS, Richard, D.
(31) 576276 P
(32) 01.06.2004
(33) United States of America

(51) G01N 30/18
G01N 1/00
G01N 30/60
(11) EP2524200
(21) EP11732292.5
(47) 11.09.2019
(87) US2011020728
14.07.2011
(22) 11.01.2011
(54) COMPOUND SAMPLE NEEDLE FOR LIQUID CHROMATOGRAPH
(73) Waters Technologies Corporation
(72) AUCLAIR, John
USOWICZ, James, E.
LIN, Tony, A.
LEMELIN, Marc
JENCKS, Robert, A.
PLANT, Kenneth, R.
(31) 293851 P
(32) 11.01.2010
(33) United States of America

(51) G01N 30/52
G01N 30/60
(11) EP3380836
(21) EP16791520.6
(47) 11.09.2019
(87) EP2016001802
01.06.2017
(22) 28.10.2016
(54) MONOLITHIC SORBENTS HAVING A METAL CLADDING
(73) Merck Patent GmbH
(72) CABRERA, Karin
KREHER, Klaus
JUNG, Gisela
(31) 15196322
(32) 25.11.2015
(33) European Patent Office (EPO)

(51) G01N 33/00
A61G 10/02
A62B 7/00
B63C 11/32
G01N 1/22
G01N 7/00
(11) EP3137892
(21) EP15723038.4
(47) 11.09.2019
(87) GB2015051240
05.11.2015
(22) 28.04.2015
(54) DETERMINING THE PARTIAL PRESSURE OF A GAS IN A PRESSURE VESSEL
(73) Fathom Systems Limited
(72) KERR, Gareth
(31) 201407751
(32) 02.05.2014
(33) United Kingdom

(51) G01N 33/00
G01N 25/48
G01N 5/04
(11) EP3185011
(21) EP16206507.2
(47) 11.09.2019
(22) 22.12.2016
(54) MICROELECTROMECHANICAL OR NANOELECTROMECHANICAL GAS SENSOR
(73) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
(72) TOFFOLI, Valeria
ALAVA, Thomas
BOURLON, Bertrand
OLLIER, Eric
(31) 1563217
(32) 23.12.2015
(33) France

(51) G01N 33/00
G08B 21/12
G08B 1/00
G08B 25/08
(11) EP3336540
(21) EP17208562.3
(47) 11.09.2019
(22) 19.12.2017
(54) WEARABLE CHEMICAL THREAT DETECTOR
(73) Goodrich Corporation
(72) TRUBEY, Richard K.
(31) 201615383819
(32) 19.12.2016
(33) United States of America

(51) G01N 33/00
H01L 27/02
(11) EP3206027
(21) EP16155356.5
(47) 11.09.2019
(22) 11.02.2016
(54) SENSOR CHIP COMPRISING ELECTROSTATIC DISCHARGE PROTECTION ELEMENT

(73) Sensirion AG
(72) Brugger, Thomas
Graf, Markus
Braun, Stephan
Böller, Matthias
Bartsch, Ulrich
Vanha, Ralph Steiner

(51) G01N 33/46
G01N 23/046
(11) EP3396374
(21) EP18167064.7
(47) 11.09.2019
(22) 12.04.2018
(54) METHOD AND APPARATUS FOR NON-DESTRUCTIVE INSPECTION OF A LOG TO IDENTIFY INNER ZONES THAT ARE FREE OF BLUESTAIN
(73) MICROTEC S.r.l.
(72) Ursella, Enrico
Vicario, Enrico
(31) 201700045342
(32) 26.04.2017
(33) Italy

(51) G01N 33/487
C12Q 1/00
(11) EP1893999
(21) EP06754300.9
(47) 11.09.2019
(87) EP2006005611
21.12.2006
(22) 12.06.2006
(54) METHODS AND DEVICES FOR CONTROLLING THE IMPACT OF SHORT CIRCUIT FAULTS ON CO-PLANAR ELECTROCHEMICAL SENSORS
(73) F. Hoffmann-La Roche AG
(72) GROLL, Henning
BURKE, David, W.
(31) 690284 P
(32) 14.06.2005
(33) United States of America

(51) G01N 33/49
A61B 18/12
A61K 35/19
C12N 13/00
H03K 3/00
C12M 1/42
C12M 1/00
(11) EP3094969
(21) EP14815988.2
(47) 11.09.2019
(87) US2014066484
23.07.2015
(22) 20.11.2014
(54) ELECTRIC PULSE GENERATION SYSTEMS USING CAPACITIVE COUPLING
(73) General Electric Company
(72) CAIAFA, Antonio
NECULAES, Vasile, Bogdan
GARNER, Allen, Lawrence
TORRES, Andrew, Soliz
(31) 201414158106
(32) 17.01.2014
(33) United States of America

(51) G01N 33/49
G01N 33/86
(11) EP3250504
(21) EP15880454.2
(47) 11.09.2019
(87) US2015013668
04.08.2016
(22) 30.01.2015
(54) MICROFLUIDIC CHIP FOR COAGULATION SENSING
(73) Hewlett-Packard Development Company, L.P.
(72) GIRI, Manish
SELLS, Jeremy
DOMINGUE, Chantelle E.
VALENCIA, Melinda M.
BENGALI, Sadiq

(51) G01N 33/53
A61K 39/00
(11) EP2941644
(21) EP13870051.3
(47) 11.09.2019
(87) US2013077541
10.07.2014
(22) 23.12.2013
(54) METHODS FOR PREDICTING TIME-TO-DELIVERY IN PREGNANT WOMEN
(73) Qiagen Sciences, LLC
(72) AUSIELLO, Anthony
SALINAS, Ruben
THOMPSON, Michael
MACKEY, Daniel J.
NARDOZZI, Kaitlyn
FRIEDMAN, Michael
(31) 201361748310 P
201361909238 P
(32) 02.01.2013
26.11.2013
(33) United States of America
United States of America

(51) G01N 33/543
C12Q 1/54
(11) EP3004881
(21) EP14728217.2
(47) 11.09.2019
(87) EP2014061832
11.12.2014
(22) 06.06.2014
(54) TEST ELEMENT FOR DETECTING AT LEAST ONE ANALYTE IN A BODY FLUID
(73) F.Hoffmann-La Roche AG
(72) HILLER, Bernd
PACHL, Rudolf
PFIFFI, Daniela
RIEGER, Ewald
STERNBERGER, Christa
(31) 13170989
(32) 07.06.2013
(33) European Patent Office (EPO)

(51) G01N 33/543
G01N 21/78
B01L 3/00
B01D 15/38
(11) EP3047272
(21) EP14846637.8
(47) 11.09.2019
(87) JP2014075764
26.03.2015
(22) 19.09.2014
(54) TESTING DEVICE AND USE THEREOF
(73) Ricoh Company, Ltd.
(72) KOBAYASHI, Rie
(31) 2013194511
2014181888
(32) 19.09.2013
08.09.2014
(33) Japan
Japan

(51) G01N 33/558
G01N 33/543
(11) EP3351937
(21) EP18157585.3
(47) 11.09.2019
(22) 01.04.2013
(54) IMMUNOCHROMATOGRAPHIC TEST STRIP FOR DETECTING OBJECT IN RED BLOOD CELL-CONTAINING SAMPLE
(73) Sekisui Medical Co., Ltd.
(72) Yoshida, Mayumi
Yamamoto, Mitsuaki
Yokokawa, Shinya
Shimizu, Tomo
Kono, Keigo
(31) 2012083165
(32) 30.03.2012
(33) Japan

(51) G01N 33/564
(11) EP2954325
(21) EP14706070.1
(47) 11.09.2019
(87) GB2014050333
14.08.2014
(22) 05.02.2014
(54) DIAGNOSIS OF RHEUMATOID ARTHRITIS
(73) Queen Mary University of London
The University Of Exeter
King's College London
(72) NISSIM, Ahuva
PERRETT, David
WINYARD, Paul G.
CORRIGALL, Valerie M.
PANAYI, Gabriel S.
(31) 201302036
(32) 05.02.2013
(33) United Kingdom

(51) G01N 33/573
G01N 33/68
A61N 5/10
A61B 5/00
G01N 21/25
G01N 33/50
(11) EP3108253
(21) EP15709256.0
(47) 11.09.2019
(87) FR2015050370
20.08.2015
(22) 16.02.2015
(54) PREDICTIVE METHOD FOR DETERMINING TISSUAL RADIOSENSITIVITY
(73) Université Claude Bernard Lyon 1
Centre National de la Recherche Scientifique
Centre Léon Bérard
Institut National de la Santé et de la Recherche Médicale
(72) FORAY, Nicolas
GRANZOTTO, Adeline

DEVIC, Clément
(31) 1451216
1451215
1402281
1402282
(32) 17.02.2014
17.02.2014
10.10.2014
10.10.2014
(33) France
France
France
France

(51) G01N 33/574
(11) EP3146341
(21) EP15727038.0
(47) 11.09.2019
(87) GB2015051472
26.11.2015
(22) 19.05.2015
(54) METHOD OF DIAGNOSING PROSTATE CANCER BY DETECTING CHEMICAL ELEMENTS
(73) Cambridge Oncometrix Limited
(72) ZAICHIK, Sofia
ROSSMAN, Maxim
SOLOVYEV, Dmitry
LOMONOSOV, Mikhail
ZAYCHIK, Vladimir
(31) 201408875
(32) 19.05.2014
(33) United Kingdom

(51) G01N 33/68
(11) EP2770326
(21) EP13382059.7
(47) 11.09.2019
(22) 26.02.2013
(54) Method for the diagnosis of glaucoma based on the determination of serum protein levels
(73) Instituto Oftalmologico Fernandez - Vega, S.L.
(72) González-Iglesias, Héctor
Álvarez Fernández, Lydia
García Díaz, Montserrat
Coca-Prados, Miguel

(51) G01N 33/68
A61K 31/00
(11) EP3120149
(21) EP15713566.6
(47) 11.09.2019
(87) GB2015050828
24.09.2015
(22) 20.03.2015
(54) ATRIAL FIBRILLATION THERAPY
(73) The University Of Birmingham
(72) KIRCHHOF, Paulus
FABRITZ, Larissa
SYEDA, Fahima
(31) 201404998
(32) 20.03.2014
(33) United Kingdom

(51) G01N 33/68
A61K 38/48
A61K 38/49
A61K 39/395
C07K 16/22
A61P 9/10
(11) EP3117356
(21) EP15762272.1
(47) 11.09.2019
(87) US2015020561
17.09.2015
(22) 13.03.2015
(54) DIAGNOSTIC MARKER FOR TREATMENT OF CEREBRAL ISCHEMIA
(73) Shimojani LLC
(72) KAUVAR, Lawrence, M.
JANIGRO, Damir
(31) 201461952710 P
(32) 13.03.2014
(33) United States of America

(51) G01N 33/68
G01N 33/50
C07K 14/52
C07K 16/00
A61M 1/36
B01J 20/32
(11) EP3176583
(21) EP16200905.4
(47) 11.09.2019
(22) 13.06.2012
(54) DIAGNOSING AND TREATING INFLAMMATORY BOWEL DISEASE AND IRRITABLE BOWEL SYNDROME
(73) TLA Targeted Immunotherapies AB
(72) WINQVIST, Ola
COTTON, Graham
(31) 201161496442 P
(32) 13.06.2011
(33) United States of America

(51) G01N 33/68
G01N 33/53
B01D 57/02
G01N 35/08
B01L 3/00
C07K 1/113
C07K 1/26
C07K 1/36
G01N 27/453
G01N 33/561
G01N 33/483
(11) EP2646832
(21) EP11844067.6
(47) 11.09.2019
(87) US2011062918
07.06.2012
(22) 01.12.2011
(54) PROTEIN RENATURATION MICROFLUIDIC DEVICES AND METHODS OF MAKING AND USING THE SAME
(73) The Regents of the University of California
(72) HE, Mei
HERR, Amy E.
(31) 419761 P
201161560167 P
(32) 03.12.2010
15.11.2011
(33) United States of America
United States of America

(51) G01N 33/72
G01N 33/80
(11) EP3152322
(21) EP15803598.0
(47) 11.09.2019
(87) US2015034508
10.12.2015
(22) 05.06.2015
(54) ESTIMATING RISK OF DEATH USING THE CLEARANCE VOLUME OF RED BLOOD CELLS AS BIOMARKER
(73) The General Hospital Corporation
(72) HIGGINS, John M.
(31) 201462007992 P
(32) 05.06.2014
(33) United States of America

(51) G01N 33/92
(11) EP3137911
(21) EP14720962.1
(47) 11.09.2019
(87) EP2014058741
05.11.2015
(22) 29.04.2014
(54) METHOD FOR ASSAYING FATTY ACIDS IN ERYTHROCYTES
(73) SYNLAB Belgium
(72) VERHOEFT, André

(51) G01N 35/00
G01N 1/10
G01N 1/28
G01N 15/14
(11) EP2264465
(21) EP09726697.7
(47) 11.09.2019
(87) JP2009056070
08.10.2009
(22) 26.03.2009
(54) SAMPLE PREPARATION APPARATUS, SAMPLE PREPARATION METHOD AND CELL ANALYSIS APPARATUS
(73) Sysmex Corporation
(72) FUKUDA, Masakazu
NAGAOKA, Kanako
ISHISAKA, Masaki
(31) 2008089863
2008089868
(32) 31.03.2008
31.03.2008
(33) Japan
Japan

(51) G01N 35/00
G01N 15/14
B01L 3/00
G01N 21/64
G01N 33/53
G01N 15/00
(11) EP2232271
(21) EP08873367.0
(47) 11.09.2019
(87) US2008087544
24.09.2009
(22) 18.12.2008
(54) SCANNING ANALYZER FOR SINGLE MOLECULE DETECTION AND METHODS OF USE
(73) Singulex, Inc.
(72) LIVINGSTON, Richard, A.
(31) 15142
(32) 19.12.2007
(33) United States of America

(51) G01N 35/02
G01N 35/00
G01N 35/04
(11) EP2894479

(21) EP13833815.7
(47) 11.09.2019
(87) JP2013070408
06.03.2014
(22) 29.07.2013
(54) SAMPLE INSPECTION AUTOMATIZATION SYSTEM AND SAMPLE TRANSFER METHOD
(73) Hitachi High-Technologies Corporation
(72) YASUZAWA Kenichi
TAKAHASHI Kenichi
KAMOSHIDA Koji
AKUTSU Masashi
YANO Shigeru
(31) 2012192745
(32) 03.09.2012
(33) Japan

(51) G01N 35/04
B65G 54/02
(11) EP2773966
(21) EP12779093.9
(47) 11.09.2019
(87) EP2012071751
10.05.2013
(22) 02.11.2012
(54) LABORATORY SAMPLE DISTRIBUTION SYSTEM AND CORRESPONDING METHOD OF OPERATION
(73) F.Hoffmann-La Roche AG
(72) HEISE, Michael
SCHNEIDER, Hans
DENNINGER, Oliver
(31) 11187972
(32) 04.11.2011
(33) European Patent Office (EPO)

(51) G01N 35/08
G01N 37/00
(11) EP2352036
(21) EP09823321.6
(47) 11.09.2019
(87) JP2009005711
06.05.2010
(22) 28.10.2009
(54) LIQUID FLOW PATH DEVICE
(73) FUJIKURA KASEI CO., LTD.
(72) TAKAHASHI, Shigeru
SAKURAI, Masaaki
WAKAMATSU, Jiro
(31) 2008276468
2009194590
2009194591
2009194592
(32) 28.10.2008
25.08.2009
25.08.2009
25.08.2009
(33) Japan
Japan
Japan
Japan

(51) G01P 3/488
G01P 3/489
G01R 19/175
H03K 5/1536
G01D 5/244
(11) EP2700951
(21) EP13178058.7
(47) 11.09.2019
(22) 25.07.2013
(54) Variable reluctance sensor interface with integration based arming threshold
(73) NXP USA, Inc.
(72) Pigott, John
Brauchler, Fred T
Edwards, William E.
Garrard, Mike
Gray, Randall
Hall, John M.
(31) 201213564505
(32) 01.08.2012
(33) United States of America

(51) G01P 15/125
G01P 15/18
G01P 15/08
(11) EP3382400
(21) EP18152386.1
(47) 11.09.2019
(22) 18.01.2018
(54) THREE-AXIS INERTIAL SENSOR FOR DETECTING LINEAR ACCELERATION
(73) NXP USA, Inc.
(72) TANG, Jun
(31) 201715469754
(32) 27.03.2017
(33) United States of America

(51) G01R 1/22
G01R 35/00
G01R 19/00
G01R 15/14
G01R 19/18
H02M 7/44
(11) EP3321697
(21) EP17201199.1
(47) 11.09.2019
(22) 10.11.2017
(54) PROVING UNIT FOR NON-CONTACT VOLTAGE MEASUREMENT SYSTEMS
(73) Fluke Corporation
(72) EPPERSON, David
RODRIGUEZ, Ricardo
(31) 201662421124 P
201715439473
(32) 11.11.2016
22.02.2017
(33) United States of America
United States of America

(51) G01R 15/14
G01R 15/20
(11) EP2905626
(21) EP14154008.8
(47) 11.09.2019
(22) 05.02.2014
(54) Integrated current sensor system and method for producing an integrated current sensor system
(73) ams AG
(72) Etschmaier, Harald

(51) G01R 15/18
G01R 19/165
(11) EP2871485
(21) EP13816588.1
(47) 11.09.2019
(87) JP2013003979
16.01.2014
(22) 26.06.2013
(54) CURRENT DETECTION DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) YOSHIDA, Hiroshi
KANDA, Masataka
KAGAWA, Takuya
OKADA, Kenji
NAKAMURA, Atsushi
(31) 2012153728
(32) 09.07.2012
(33) Japan

(51) G01R 15/20
(11) EP3185019
(21) EP16205147.8
(47) 11.09.2019
(22) 19.12.2016
(54) METHOD OF MAKING A CURRENT SENSOR AND CURRENT SENSOR
(73) Melexis Technologies SA
(72) RACZ, Robert
ACKERMANN, Mathieu
BOURY, Bruno
COULOT, Laurent
(31) 201514757866
(32) 23.12.2015
(33) United States of America

(51) G01R 19/165
G01R 19/25
H02H 1/00
H02H 3/027
H02H 3/20
(11) EP2674767
(21) EP13157943.5
(47) 11.09.2019
(22) 06.03.2013
(54) System and method for controlled overvoltage detection
(73) Hamilton Sundstrand Corporation
(72) Vandergrift, Adrian E.
(31) 201213495457
(32) 13.06.2012
(33) United States of America

(51) G01R 27/16
F03D 7/02
H02J 3/38
(11) EP2951598
(21) EP13715647.7
(47) 11.09.2019
(87) EP2013056768
02.10.2014
(22) 28.03.2013
(54) METHOD FOR COMPUTER-AIDED ASCERTAINMENT OF THE IMPEDANCE OF AN ELECTRICAL ENERGY NETWORK
(73) Siemens Aktiengesellschaft
(72) ANDRESEN, Björn
GOLDENBAUM, Nikolaus
OBRADOVIC, Dragan
SZABO, Andrei

(51) G01R 31/02
(11) EP2857850
(21) EP14187341.4
(47) 11.09.2019
(22) 01.10.2014
(54) HRG ground fault detector and method
(73) Rockwell Automation Technologies, Inc.
(72) Wei, Lixiang
Hu, Jiangang

McGuire, Jeffrey D.
(31) 201314043065
(32) 01.10.2013
(33) United States of America

(51) G01R 31/34
G01R 31/02
H02P 29/024
B60L 3/00
(11) EP3078977
(21) EP16159321.5
(47) 11.09.2019
(22) 09.03.2016
(54) METHOD FOR DETECTING GROUND FAULT IN INVERTER
(73) LSIS Co., Ltd.
(72) LEE, Jaemoon
YANG, Chunsuk
(31) 20150050090
(32) 09.04.2015
(33) Korea (Republic)

(51) G01R 31/34
H02P 21/18
H02P 23/14
(11) EP2448109
(21) EP10290582.5
(47) 11.09.2019
(22) 28.10.2010
(54) SYSTEMS, METHODS AND DEVICES FOR DEMODULATING INDUCTION MOTOR INSTANTANEOUS ROTOR SLOT HARMONIC FREQUENCY
(73) Schneider Electric USA, Inc.
(72) Leprettre, Benoit
Colby, Roy S.
Gao, Zhi
Turner, Larry A

(51) G01R 31/36
E02F 9/20
G01R 31/00
B60K 6/28
(11) EP2418504
(21) EP09842580.4
(47) 11.09.2019
(87) JP2009002971
07.10.2010
(22) 26.06.2009
(54) HYBRID OPERATING MACHINERY
(73) Sumitomo Heavy Industries, Ltd.
(72) YOKOYAMA, Kazuya
(31) 2009089382
(32) 01.04.2009
(33) Japan

(51) G01R 31/382
G01R 31/367
H01M 10/48
G01R 31/3842
G01R 31/36
G01R 31/374
(11) EP3210034
(21) EP14904509.8
(47) 11.09.2019
(87) CN2014089424
28.04.2016
(22) 24.10.2014
(54) BATTERY CAPACITY MONITOR
(73) Texas Instruments Incorporated
(72) LI, Falong
WEN, Sihua

(51) G01R 31/392
G01R 31/374
H01M 10/48
H01M 10/0525
(11) EP2910962
(21) EP15154897.1
(47) 11.09.2019
(22) 12.02.2015
(54) Battery remaining-life estimation apparatus, battery pack, capacitor, electric vehicle, and battery remaining-life estimation method
(73) Murata Manufacturing Co., Ltd.
(72) Hotta, Shin
(31) 2014031389
(32) 21.02.2014
(33) Japan

(51) G01R 31/40
G01R 31/04
(11) EP3458867
(21) EP17721734.6
(47) 11.09.2019
(87) EP2017061058
23.11.2017
(22) 09.05.2017
(54) ASSESSMENT OF POWERING MODES FOR DC-POWERED DEVICES
(73) Signify Holding B.V.
(72) YSEBOODT, Lennart
WENDT, Matthias
(31) 16170290
(32) 19.05.2016
(33) European Patent Office (EPO)

(51) G01R 33/00
G01R 15/18
G01R 15/20
G01R 15/14
(11) EP2884297
(21) EP14190196.7
(47) 11.09.2019
(22) 24.10.2014
(54) Current sensor and control circuit
(73) Deere & Company
John Deere GmbH & Co KG
(72) Krah, Jens Onno
Stahlhut, Ronnie D
(31) 102013225645
(32) 11.12.2013
(33) Germany

(51) G01R 33/028
(11) EP2998757
(21) EP15171501.8
(47) 11.09.2019
(22) 10.06.2015
(54) MAGNETIC FIELD SENSOR
(73) Sagatek Co., Ltd.
(72) WEN, Kuei-Ann
CHIANG, Tai-Wei
(31) 103132219
(32) 18.09.2014
(33) Taiwan, Province of China

(51) G01R 33/26
(11) EP3364204
(21) EP18156363.6
(47) 11.09.2019
(22) 12.02.2018
(54) ZERO FIELD MAGNETOMETER CONTROLLED BY AC STARK EFFECT
(73) Commissariat à l'énergie atomique et aux énergies alternatives
(72) PALACIOS LALOY, Augustin
(31) 1751217
(32) 15.02.2017
(33) France

(51) G01R 33/28
G01R 33/38
A61B 5/055
(11) EP3349029
(21) EP17151488.8
(47) 11.09.2019
(22) 13.01.2017
(54) MAGNETIC RESONANCE TOMOGRAPH FOR MEASURING AT LEAST ONE SECTION OF A HEAD
(73) Sirona Dental Systems GmbH
(72) Niederführ, Tilman
Stöckl, Klaus
Abkai, Ciamak
Scheibl, Guido
Ulrici, Johannes

(51) G01R 33/30
G01R 33/31
(11) EP3422035
(21) EP18179823.2
(47) 11.09.2019
(22) 26.06.2018
(54) NMR SAMPLE HEAD WITH A MULTI-PART INSERT LOWER PART
(73) Bruker BioSpin AG
(72) Meister, Roger
De Vries, Jonathan
(31) 102017211016
(32) 29.06.2017
(33) Germany

(51) G01R 33/36
(11) EP2977780
(21) EP15177941.0
(47) 11.09.2019
(22) 22.07.2015
(54) MAGNETIC RESONANCE APPARATUS WITH MEANS FOR PROCESSING A TRANSMISSION AND A RECEPTION SIGNAL
(73) Jeol Ltd.
(72) HACHITANI, Kenichi
(31) 2014149864
(32) 23.07.2014
(33) Japan

(51) G01S 3/58
(11) EP3121616
(21) EP15177906.3
(47) 11.09.2019
(22) 22.07.2015
(54) POSITIONING DEVICE AND POSITIONING METHOD
(73) Rohde & Schwarz GmbH & Co. KG
(72) WIEMER, Dr. Ingo

(51) G01S 7/03
G01S 7/02
H03G 11/02
G01S 7/34
H04B 1/16
(11) EP3196667

(21) EP17152278.2
(47) 11.09.2019
(22) 19.01.2017
(54) RECEIVING DEVICE FOR IMPULSIONAL RADIOFREQUENCY SIGNALS
(73) Thales
(72) GARREC, Patrick
CORNIC, Pascal
MALLET-GUY, Benoit
(31) 1600113
(32) 22.01.2016
(33) France

(51) G01S 7/03
H01L 27/06
H01L 21/8258
H01L 27/085
(11) EP2878009
(21) EP13731186.6
(47) 11.09.2019
(87) US2013042760
30.01.2014
(22) 24.05.2013
(54) X-BAND RADAR WITH INTEGRATED CIRCUIT CHIPS
(73) Raytheon Company
(72) SAUNDERS, Jeffrey, H.
(31) 201213558255
(32) 25.07.2012
(33) United States of America

(51) G01S 7/40
G01S 13/93
G01S 7/02
(11) EP3491412
(21) EP17805205.6
(47) 11.09.2019
(87) EP2017080845
14.06.2018
(22) 29.11.2017
(54) METHOD FOR OPERATING A RADAR SENSOR AND MOTOR VEHICLE
(73) AUDI AG
(72) KHLIFI, Rachid
(31) 102016224150
(32) 05.12.2016
(33) Germany

(51) G01S 7/481
G01S 17/42
G01S 17/93
G02B 27/09
(11) EP3350615
(21) EP16742316.9
(47) 11.09.2019
(87) EP2016067734
23.03.2017
(22) 26.07.2016
(54) LIDAR SENSOR
(73) Robert Bosch GmbH
(72) STOPPEL, Klaus
BUETTNER, Axel
SCHNITZER, Reiner
SCHWARZ, Hans-Jochen
(31) 102015217908
(32) 18.09.2015
(33) Germany

(51) G01S 13/82
G01S 5/14
(11) EP3155447
(21) EP15721379.4
(47) 11.09.2019
(87) US2015024437
23.12.2015
(22) 06.04.2015
(54) FAILURE CONDITIONS FOR FINE TIMING MEASUREMENT (FTM) PROTOCOL
(73) Qualcomm Incorporated
(72) ALDANA, Carlos Horacio
(31) 201462012826 P
201414500047
(32) 16.06.2014
29.09.2014
(33) United States of America
United States of America

(51) G01S 13/93
G01S 15/12
G01S 15/18
G01S 15/93
(11) EP1776603
(21) EP05774601.8
(47) 11.09.2019
(87) EP2005007728
16.02.2006
(22) 15.07.2005
(54) DEVICE FOR A MOTOR VEHICLE
(73) Volkswagen Aktiengesellschaft
(72) MILARK, Andreas
ROHLFS, Michael
CHLOSTA, Sven
(31) 102004037992
102004046589
(32) 05.08.2004
25.09.2004
(33) Germany
Germany

(51) G01S 15/32
G01S 7/524
(11) EP2880463
(21) EP13742005.5
(47) 11.09.2019
(87) EP2013065378
06.02.2014
(22) 22.07.2013
(54) METHOD FOR OPERATING AN ULTRASONIC CONVERTER
(73) Robert Bosch GmbH
(72) KIRCHNER, Tobias
(31) 102012213712
(32) 02.08.2012
(33) Germany

(51) G01S 17/02
G01S 7/481
G01V 8/14
(11) EP2884304
(21) EP14197272.9
(47) 11.09.2019
(22) 11.12.2014
(54) Attachment for optical component and photoelectric sensor unit including the attachment
(73) OMRON CORPORATION
(72) Murata, Kenji
Shinohara, Taiki
(31) 2013258683
(32) 13.12.2013
(33) Japan

(51) G01S 17/10
G01B 11/14
G01S 17/48
G01S 17/87
G01S 17/89
G01S 7/481
G01S 7/00
(11) EP3136127
(21) EP16180139.4
(47) 11.09.2019
(22) 19.07.2016
(54) DISTANCE SENSOR AND METHOD WITH A DISTANCE SENSOR
(73) SICK AG
(72) Albert, Magnus
Hammes, Markus
Sigmund, Jörg
(31) 102015112656
(32) 31.07.2015
(33) Germany

(51) G01S 19/21
G01S 5/02
G01S 5/06
G01S 5/10
(11) EP2831614
(21) EP13768637.4
(47) 11.09.2019
(87) IB2013052020
03.10.2013
(22) 14.03.2013
(54) LOCALIZATION, SYNCHRONIZATION AND NAVIGATION USING PASSIVE SENSOR NETWORKS
(73) SULU Networks Ltd.
(72) JEAN, Oren
WEISS, Anthony Joseph
(31) 201261617186 P
201361755485 P
(32) 29.03.2012
23.01.2013
(33) United States of America
United States of America

(51) G01S 19/48
G01S 19/14
G01S 5/02
G06Q 50/00
H04W 4/80
H04L 29/06
G06Q 20/32
(11) EP2972461
(21) EP14768627.3
(47) 11.09.2019
(87) US2014024701
25.09.2014
(22) 12.03.2014
(54) MULTI-FACTOR LOCATION VERIFICATION
(73) Facebook, Inc.
(72) TSENG, Erick
WONG, Yoon, Kean
MAGUIRE, Yael
TOKSVIG, Michael, John Mckenzie
(31) 201313842767
(32) 15.03.2013
(33) United States of America

(51) G01T 1/161
G01T 1/163
G01T 1/202

(51) G01T 7/00
G01T 7/12
(11) EP2771718
(21) EP12847367.5
(47) 11.09.2019
(87) CA2012050764
16.05.2013
(22) 26.10.2012
(54) PORTABLE DETECTION APPARATUS AND METHOD
(73) Atomic Energy of Canada Limited/ Énergie Atomique du Canada Limitée
(72) DAI, Xiongxin
LI, Liqian
JONKMANS, Guy
HO, Aaron
(31) 201161552199 P
(32) 27.10.2011
(33) United States of America

(51) G01T 1/164
G01T 1/29
(11) EP2052279
(21) EP07813219.8
(47) 11.09.2019
(87) US2007074101
21.02.2008
(22) 23.07.2007
(54) APPARATUS AND METHOD FOR SPECTRAL COMPUTED TOMOGRAPHY
(73) Koninklijke Philips N.V.
(72) CARMI, Raz
(31) 821836 P
(32) 09.08.2006
(33) United States of America

(51) G01T 1/17
G01T 1/36
(11) EP3004929
(21) EP14726733.0
(47) 11.09.2019
(87) GB2014051555
27.11.2014
(22) 21.05.2014
(54) METHOD OF PROCESSING A PARTICLE SPECTRUM
(73) Oxford Instruments Nanotechnology Tools Limited
(72) STATHAM, Peter
(31) 201309417
(32) 24.05.2013
(33) United Kingdom

(51) G01T 1/20
G01T 1/29
(11) EP3006960
(21) EP15179776.8
(47) 11.09.2019
(22) 15.03.2010
(54) IMAGING MEASUREMENT SYSTEM WITH A PRINTED ORGANIC PHOTODIODE ARRAY
(73) Koninklijke Philips N.V.
(72) Levene, Simha
Altman, Ami
Wainer, Naor
De Leeuw, Dagobert, M.
Haskal, Eliav
(31) 171507 P
(32) 22.04.2009
(33) United States of America

(51) G01T 1/20
G03B 42/02
G21K 4/00
G03B 42/08
G02B 5/04
(11) EP2985632
(21) EP14782656.4
(47) 11.09.2019
(87) JP2014051534
16.10.2014
(22) 24.01.2014
(54) RADIATION IMAGE DETECTION DEVICE
(73) Hamamatsu Photonics K.K.
(72) YAMAMOTO Koei
OIKAWA Toshihiro
SUZUKI Hiroki
MIYAMOTO Yuichi
SAKURAI Naoto
(31) 2013081188
(32) 09.04.2013
(33) Japan

(51) G01T 1/29
(11) EP2751597
(21) EP12798380.7
(47) 11.09.2019
(87) IB2012055544
18.04.2013
(22) 12.10.2012
(54) MODELLING OF TOF-DOI DETECTOR ARRAYS
(73) Koninklijke Philips N.V.
(72) DUEPPENBECKER, Peter Michael Jakob
SOLF, Torsten
(31) 201161546101 P
(32) 12.10.2011
(33) United States of America

(51) G01T 1/40
(11) EP3234651
(21) EP15813739.8
(47) 11.09.2019
(87) EP2015079181
23.06.2016
(22) 10.12.2015
(54) BASELINE SHIFT DETERMINATION FOR A PHOTON DETECTOR
(73) Koninklijke Philips N.V.
(72) ROESSL, Ewald
(31) 14198239
(32) 16.12.2014
(33) European Patent Office (EPO)

(51) G01V 1/00
G01V 1/04
G01V 1/133
G01V 1/34
G01V 1/38
(11) EP1490711
(21) EP03716635.2
(47) 11.09.2019
(87) US2003008122
25.09.2003
(22) 14.03.2003
(54) DIGITAL AIR GUN SOURCE CONTROLLER APPARATUS AND CONTROL METHOD
(73) SEAMAP PTE LTD.
(72) CLAYTON, David, A.
KUTTY, Shyam, S.
NANCE, Allen
(31) 363984 P
(32) 14.03.2002
(33) United States of America

(51) G01V 5/10
E21B 47/026
E21B 7/04
(11) EP2959100
(21) EP14754978.6
(47) 11.09.2019
(87) CA2014000118
28.08.2014
(22) 18.02.2014
(54) DIRECTIONAL MEASUREMENTS USING NEUTRON SOURCES
(73) Roke Technologies Ltd.
(72) KRAMER, Hermann
(31) 201361766825 P
201361766823 P
201361766826 P
(32) 20.02.2013
20.02.2013
20.02.2013
(33) United States of America
United States of America
United States of America

(51) G02B 3/12
G02B 3/14
G02B 7/02
(11) EP3120171
(21) EP15712848.9
(47) 11.09.2019
(87) EP2015055920
24.09.2015
(22) 20.03.2015
(54) OPTICAL DEVICE WITH DEFORMABLE MEMBRANE HAVING REDUCED RESPONSE TIME
(73) Webster Capital LLC
(72) BOLIS, Sébastien
(31) 1452342
(32) 20.03.2014
(33) France

(51) G02B 5/08
G02B 5/26
B05D 5/06
G02B 5/02
(11) EP3278150
(21) EP16720478.3
(47) 11.09.2019
(87) GB2016050921
06.10.2016
(22) 31.03.2016
(54) OPTICAL EFFECT STRUCTURES
(73) Parker, Andrew Richard
(72) Parker, Andrew Richard
(31) 201505610
201517196
201518673
(32) 31.03.2015
29.09.2015
21.10.2015
(33) United Kingdom
United Kingdom
United Kingdom

(51) G02B 5/30
G02F 1/13
G02F 1/13363

G03B 21/00
G03B 21/14
G03B 21/20
H04N 9/31
C23C 14/24
(11) EP2191307
(21) EP08832696.2
(47) 11.09.2019
(87) JP2008067360
26.03.2009
(22) 18.09.2008
(54) BIAXIAL BIREFRINGENT COMPONENT, LIQUID CRYSTAL PROJECTOR, AND METHOD FOR MANUFACTURING BIAXIAL BIREFRINGENT COMPONENT
(73) FUJIFILM Corporation
(72) NAKAGAWA, Kenichi
TAKAHASHI, Hiroki
HASHIZUME, Taro
(31) 2007245921
(32) 21.09.2007
(33) Japan

(51) G02B 6/02
(11) EP2770352
(21) EP14156135.7
(47) 11.09.2019
(22) 21.02.2014
(54) Index matched grating inscription
(73) OFS Fitel, LLC
(72) Feder, Kenneth S.
Westbrook, Paul S.
(31) 201361767270 P
201414185603
(32) 21.02.2013
20.02.2014
(33) United States of America
United States of America

(51) G02B 6/02
(11) EP2770353
(21) EP14156137.3
(47) 11.09.2019
(22) 21.02.2014
(54) Index matched grating inscription
(73) OFS Fitel, LLC
(72) Westbrook, Paul S.
Feder, Kenneth S.
(31) 201361767270 P
201414185443
(32) 21.02.2013
20.02.2014
(33) United States of America
United States of America

(51) G02B 6/02
C03B 37/012
H01S 3/067
C03B 37/027
(11) EP3133426
(21) EP16164387.9
(47) 11.09.2019
(22) 21.03.2008
(54) OPTICAL FIBER ARTICLE FOR HANDLING H IGHER POWER AND METHOD OF FABRICATING OR USING IT
(73) Nufern
(72) Guertin, Douglas
Jacobson, Nils
Tankala, Kanishka
Carter, Adrian
(31) 896263 P
(32) 21.03.2007
(33) United States of America

(51) G02B 6/028
G02B 6/036
(11) EP2710419
(21) EP12726514.8
(47) 11.09.2019
(87) US2012037887
22.11.2012
(22) 15.05.2012
(54) LARGE EFFECTIVE AREA OPTICAL FIBERS
(73) Corning Incorporated
(72) LI, Ming-Jun
(31) 201161487351 P
(32) 18.05.2011
(33) United States of America

(51) G02B 6/30
G02B 6/42
(11) EP2534514
(21) EP11703259.9
(47) 11.09.2019
(87) GB2011050205
18.08.2011
(22) 07.02.2011
(54) REDUCED LENGTH OPTOELECTRONIC DEVICES
(73) Lumentum Technology UK Limited
(72) GALEOTTI, Roberto
BONAZZOLI, Mario
RETTANI, Nicola
(31) 201002231
(32) 10.02.2010
(33) United Kingdom

(51) G02B 6/38
G02B 6/36
(11) EP2840425
(21) EP14177432.3
(47) 11.09.2019
(22) 17.07.2014
(54) Optical connector plug
(73) Honda Tsushin Kogyo Co. Ltd
(72) Yoshizaki, Tsuyoshi
(31) 2013169543
(32) 19.08.2013
(33) Japan

(51) G02B 6/38
G02B 6/36
(11) EP3290975
(21) EP17196009.9
(47) 11.09.2019
(22) 26.09.2013
(54) FIBER OPTIC CONNECTOR ASSEMBLY
(73) Positronic Industries, Inc.
(72) YOUNGKIN, Scott
(31) 201213630228
(32) 28.09.2012
(33) United States of America

(51) G02B 6/42
(11) EP2828722
(21) EP13764503.2
(47) 11.09.2019
(87) US2013033382
26.09.2013
(22) 21.03.2013
(54) CHIP IDENTIFICATION PADS FOR IDENTIFICATION OF INTEGRATED CIRCUITS IN AN ASSEMBLY
(73) Finisar Corporation
(72) MIAO, Jason, Y.
ROBINSON, Curtis, B.
KALOGERAKIS, Georgios
DYBSETTER, Gerald, L.
EKKIZOGLOY, Luke, M.
(31) 201213426506
(32) 21.03.2012
(33) United States of America

(51) G02B 6/42
G02B 7/02
G01J 1/02
(11) EP2345917
(21) EP09821967.8
(47) 11.09.2019
(87) JP2009067848
29.04.2010
(22) 15.10.2009
(54) LIGHT PROJECTING DEVICE AND SENSOR
(73) Omron Corporation
(72) OKUNO, Motoharu
MIYATA, Tsuyoshi
KAMEDA, Takamasa
(31) 2008270053
(32) 20.10.2008
(33) Japan

(51) G02B 6/42
H05K 7/20
(11) EP3432044
(21) EP18172079.8
(47) 11.09.2019
(22) 14.05.2018
(54) SPOILER HEAT SINK DEVICE IN BELLY-TO-BELLY TRANSCEIVER
(73) Quanta Computer Inc.
(72) CHEN, Chao-Jung
HUANG, Yu-Nien
WU, Kuen-Hsien
LEE, Kuo-Wei
(31) 201762534847 P
201815876572
(32) 20.07.2017
22.01.2018
(33) United States of America
United States of America

(51) G02B 6/44
(11) EP2987015
(21) EP14720457.2
(47) 11.09.2019
(87) US2014032773
23.10.2014
(22) 03.04.2014
(54) POLYMERIC COMPOSITIONS WITH SILICONE AND FATTY ACID AMIDE SLIP AGENT
(73) Dow Global Technologies LLC
(72) CHEN, Buo
ESSEGHIR, Mohamed
COGEN, Jeffrey, M.
KMIEC, Chester, J.
FLORY, Anny, L.
PUJARI, Saswati
(31) 201361812754 P
(32) 17.04.2013

(33) United States of America

(51) G02B 6/44
(11) EP2867712
(21) EP13737063.1
(47) 11.09.2019
(87) US2013048102
09.01.2014
(22) 27.06.2013
(54) FIBER-OPTIC MODULE TRAYS AND DRAWERS FOR FIBER-OPTIC EQUIPMENT
(73) Corning Optical Communications LLC
(72) BLACKWELL, JR., Chois Alven
BROWER, Boyd Grant
(31) 201213539683
(32) 02.07.2012
(33) United States of America

(51) G02B 6/44
H02G 3/04
(11) EP2504730
(21) EP09805688.0
(47) 11.09.2019
(87) EP2009065727
03.06.2011
(22) 24.11.2009
(54) BEND MANAGER FOR ON-WALL INSTALLATION OF OPTICAL FIBER UNITS
(73) Prysmian S.p.A.
(72) ABBIATI, Fabio
GRIFFITHS, Ian James
LE DISSEZ, Arnaud

(51) G02B 6/52
H02G 1/08
(11) EP1864173
(21) EP06726551.2
(47) 11.09.2019
(87) GB2006001142
05.10.2006
(22) 29.03.2006
(54) OPTICAL FIBRE INSTALLATION APPARATUS
(73) British Telecommunications public limited company
(72) GONEN, Nitzan
TAYLOR, Christopher Charles
BARKER, Philip Alfred
(31) 0506568
(32) 31.03.2005
(33) United Kingdom

(51) G02B 7/34
G02B 7/28
G02B 21/00
G02B 21/24
(11) EP2491448
(21) EP10824604.2
(47) 11.09.2019
(87) JP2010005713
28.04.2011
(22) 21.09.2010
(54) FOCUSING DEVICE, FOCUSING METHOD, FOCUSING PROGRAM AND MICROSCOPE
(73) Sony Corporation
(72) YAMAMOTO, Takashi
KIHARA, Nobuhiro
(31) 2009244735
(32) 23.10.2009
(33) Japan

(51) G02B 15/173
(11) EP2824496
(21) EP14002252.6
(47) 11.09.2019
(22) 01.07.2014
(54) Zoom lens and image pickup apparatus including the same
(73) Canon Kabushiki Kaisha
(72) Eguchi, Yosuke
(31) 2013144608
(32) 10.07.2013
(33) Japan

(51) G02B 19/00
F21V 7/09
F21S 2/00
(11) EP2578931
(21) EP11789729.8
(47) 11.09.2019
(87) JP2011062285
08.12.2011
(22) 27.05.2011
(54) SURFACE-EMITTING LED COVER, LIGHTING DEVICE AND DISPLAY DEVICE
(73) Mitsubishi Electric Corporation
(72) DOI, Motohiro
ISHII, Tatsuhito
YUASA, Eiji
(31) 2010125236
(32) 31.05.2010
(33) Japan

(51) G02B 27/00
(11) EP2939060
(21) EP13814564.4
(47) 11.09.2019
(87) EP2013077978
03.07.2014
(22) 24.12.2013
(54) METHOD FOR THE PRODUCTION OF AN OPTICAL ARTICLE WITH IMPROVED ANTI-FOULING PROPERTIES
(73) Essilor International
(72) FOURNAND, Gérald
(31) 201261746819 P
(32) 28.12.2012
(33) United States of America

(51) G02B 27/00
(11) EP2939061
(21) EP13814569.3
(47) 11.09.2019
(87) EP2013078016
03.07.2014
(22) 26.12.2013
(54) METHOD FOR THE PRODUCTION OF AN OPTICAL ARTICLE WITH IMPROVED ANTI-FOULING PROPERTIES
(73) Essilor International
(72) FOURNAND, Gerald
JALLOULI, Agnès
CONTE, Dominique
(31) 201261746816 P
(32) 28.12.2012
(33) United States of America

(51) G02B 27/00
G02B 13/00
G02B 13/04
G02B 17/00
G03B 21/28
H04N 9/31
G02B 13/16
G03B 21/14
G02B 13/06
G02B 17/08
G03B 21/06
G03B 21/10
G03B 21/60
G03B 21/00
(11) EP3091386
(21) EP16176152.3
(47) 11.09.2019
(22) 05.01.2005
(54) LENS SYSTEM FOR A FRONT PROJECTION DISPLAY DEVICE
(73) Seiko Epson Corporation
(72) PETERSON, Mark D.
ENGLE, Scott T.
(31) 754093
(32) 06.01.2004
(33) United States of America

(51) G02B 27/01
G08G 1/0968
G08B 21/18
G08G 1/0962
G08G 1/16
(11) EP2872944
(21) EP13816585.7
(47) 11.09.2019
(87) KR2013006123
16.01.2014
(22) 10.07.2013
(54) TRANSPARENT DISPLAY APPARATUS FOR DISPLAYING INFORMATION OF DANGER ELEMENT, AND METHOD THEREOF
(73) Samsung Electronics Co., Ltd.
(72) LEE, Han-sung
LEE, Chang-soo
LEE, Geun-ho
(31) 20120075209
(32) 10.07.2012
(33) Korea (Republic)

(51) G02B 27/09
G02B 27/40
G02B 27/30
B23K 26/06
B23K 26/342
(11) EP3081978
(21) EP15785040.5
(47) 11.09.2019
(87) JP2015054882
25.08.2016
(22) 20.02.2015
(54) OPTICAL PROCESSING HEAD
(73) Technology Research Association For Future Additive Manufacturing
(72) OHNO, Hiroshi
SAKAI, Tetsuo
SASAKI, Mitsuo
MASUKAWA, Kazuyuki
OBARA, Takashi
SASAKI, Yuji
TSUNO, Satoshi

(51) G02B 27/22
G04G 17/04
G04G 9/08
G04G 9/02
H04N 13/302
(11) EP2951649
(21) EP13873634.3
(47) 11.09.2019
(87) US2013024093
07.08.2014
(22) 31.01.2013
(54) MULTIVIEW 3D WRIST WATCH
(73) LEIA Inc.
(72) TAFF, Brian M.
FATTAL, David A.
BEAUSOLEIL, Raymond G.

(51) G02C 7/02
(11) EP3377935
(21) EP16797945.9
(47) 11.09.2019
(87) EP2016078155
01.06.2017
(22) 18.11.2016
(54) METHOD FOR DESIGNING A LENS SHAPE AND SPECTACLE LENS
(73) Carl Zeiss Vision International GmbH
(72) SPRATT, Ray Steven
ELLINGER, Philipp
WIETSCHORKE, Helmut
NOLAN, Angela
VARNAS, Saulius
(31) 201562258919 P
201615056792
(32) 23.11.2015
29.02.2016
(33) United States of America
United States of America

(51) G02C 13/00
(11) EP2815267
(21) EP13706624.7
(47) 11.09.2019
(87) FR2013050227
22.08.2013
(22) 04.02.2013
(54) MEASURING DEVICE FOR FIXING ONTO AN EYEGLASS FRAME
(73) Essilor International
(72) HADDADI, Ahmed
(31) 1251417
(32) 16.02.2012
(33) France

(51) G02C 13/00
G06Q 30/06
G06T 19/20
G06T 17/00
(11) EP3425447
(21) EP17180008.9
(47) 11.09.2019
(22) 06.07.2017
(54) METHOD, DEVICE AND COMPUTER PROGRAM FOR VIRTUAL ADAPTING OF A SPECTACLE FRAME
(73) Carl Zeiss Vision International GmbH
(72) Schwarz, Oliver
Breuninger, Tobias

(51) G02F 1/01
G02F 1/225
H04B 10/50
(11) EP3403138
(21) EP17704085.4
(47) 11.09.2019
(87) IB2017050136
20.07.2017
(22) 11.01.2017
(54) AN OPTICAL APPARATUS
(73) PHOELEX LTD
(72) NEJADMALAYERI, Amir Hossein
(31) 201600590
(32) 12.01.2016
(33) United Kingdom

(51) G02F 1/13
H01L 21/60
H01L 23/538
H01L 23/498
(11) EP1450405
(21) EP04002985.2
(47) 11.09.2019
(22) 11.02.2004
(54) Display device having drive IC
(73) Samsung Display Co., Ltd.
(72) Hwang, Seong-Yong
Kang, Sung-Chul
Oh, Weon-Sik
Jeong, Cheol-Yong
Lee, Jin-Suk
Yoon, Ju-Young
Cho, Won-gu
(31) 2003010819
(32) 20.02.2003
(33) Korea (Republic)

(51) G02F 1/1334
C09K 19/54
(11) EP3239770
(21) EP17168422.8
(47) 11.09.2019
(22) 27.04.2017
(54) LIQUID CRYSTAL DISPLAY DEVICE INCLUDING NANO LIQUID CRYSTAL CAPSULES AND METHOD OF FABRICATING THE SAME
(73) LG Display Co., Ltd.
(72) Kim, Kyeong-Jin
Ha, Kyung-Su
Lee, Eun-Woo
(31) 20160052502
(32) 28.04.2016
(33) Korea (Republic)

(51) G02F 1/1335
(11) EP3226071
(21) EP15766038.2
(47) 11.09.2019
(87) CN2015075197
02.06.2016
(22) 27.03.2015
(54) DISPLAY SUBSTRATE, DISPLAY PANEL, METHOD FOR MAKING SAME, AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
(72) WU, Yanbing
(31) 201410696890
(32) 26.11.2014
(33) China

(51) G02F 1/1335
G02F 1/1333
(11) EP3321729
(21) EP17169890.5
(47) 11.09.2019
(22) 08.05.2017
(54) PRISM GROUP AND DISPLAY APPARATUS USING THE SAME
(73) Coretronic Corporation
(72) LIU, Chin-Ku
LIU, Fa-Chih
WU, Jhong-Hao
(31) 105217241 U
(32) 11.11.2016
(33) Taiwan, Province of China

(51) G02F 1/1335
G02F 1/1362
B82Y 30/00
G02F 1/13363
G02B 5/20
G02F 1/1333
C09K 11/56
(11) EP3026486
(21) EP13854211.3
(47) 11.09.2019
(87) CN2013084978
29.01.2015
(22) 10.10.2013
(54) LIQUID CRYSTAL DISPLAY SCREEN AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
Beijing BOE Optoelectronics Technology Co., Ltd.
(72) GUO, Renwei
DONG, Xue
GUO, Jian
(31) 201310313938
(32) 24.07.2013
(33) China

(51) G02F 1/1335
G02F 1/1362
G02F 1/1343
(11) EP3035114
(21) EP15177805.7
(47) 11.09.2019
(22) 22.07.2015
(54) LIQUID CRYSTAL DISPLAY
(73) Samsung Display Co., Ltd.
(72) No, Sang Yong
Kim, Myoung Sup
Kim, Sung Hoon
(31) 20140182298
(32) 17.12.2014
(33) Korea (Republic)

(51) G02F 1/1337
G02F 1/1333
(11) EP3200021
(21) EP15763811.5
(47) 11.09.2019
(87) CN2015079442
31.03.2016
(22) 21.05.2015
(54) ARRAY SUBSTRATE, MANUFACTURING METHOD THEREOF, AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
Beijing BOE Optoelectronics Technology Co., Ltd.
(72) DONG, Tingze
WANG, Yujia
MO, Jun
GUAN, Peiqiang

ZHANG, Zhinan
(31) 201410505653
(32) 26.09.2014
(33) China

(51) G02F 1/1343
G02F 1/133
H04N 13/305
H04N 13/356
H04N 13/359
(11) EP2889680
(21) EP14191377.2
(47) 11.09.2019
(22) 31.10.2014
(54) Liquid Crystal Lens Panel for Autostereoscopic Display Device
(73) Samsung Display Co., Ltd.
(72) Jung, Kyung Ho
Kim, Kwan-Ho
Lee, Ki-Yong
Yim, Hyung Woo
Kim, Kang-Min
Sung, Jeong Min
Jang, Hyeon Yong
(31) 20130162972
(32) 24.12.2013
(33) Korea (Republic)

(51) G02F 1/1362
G02F 1/1368
G02F 1/1335
G02F 1/1339
G02F 1/1345
(11) EP3220192
(21) EP15748153.2
(47) 11.09.2019
(87) CN2015073345
19.05.2016
(22) 27.02.2015
(54) DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
Hefei Xinsheng Optoelectronics Technology Co. Ltd
(72) LIU, Liping
DONG, Chunlei
(31) 201410640405
(32) 13.11.2014
(33) China

(51) G02F 1/167
G09F 9/00
G09F 9/30
G09F 9/37
G02F 1/13
(11) EP2853940
(21) EP13831461.2
(47) 11.09.2019
(87) JP2013004905
27.02.2014
(22) 20.08.2013
(54) METHOD FOR INSPECTING AN ELECTROPHORETIC DISPLAY SUBSTRATE
(73) Toppan Printing Co., Ltd.
(72) EMORI, Akira
(31) 2012183290
(32) 22.08.2012
(33) Japan

(51) G02F 1/35
G02B 6/02
G02B 6/122
G02F 1/225
G02B 6/30
G02B 6/12
G02F 1/21
G02B 6/136
(11) EP2359187
(21) EP09833821.3
(47) 11.09.2019
(87) US2009068107
24.06.2010
(22) 15.12.2009
(54) MONOLITHIC OPTOELECTRONIC TWE-COMPONENT STRUCTURE
(73) Teraxion Inc.
Fraunhofer Gesellschaft e.V.
(72) PROSYK, Kelvin
KAISER, Ronald
VELTHAUS, Karl-Otto
(31) 122909 P
638372
(32) 16.12.2008
15.12.2009
(33) United States of America
United States of America

(51) G02F 1/39
H01S 3/10
H01S 5/065
(11) EP2821848
(21) EP12869723.2
(47) 11.09.2019
(87) JP2012084194
06.09.2013
(22) 28.12.2012
(54) LASER DEVICE
(73) Osaka University
Hamamatsu Photonics K.K.
(72) MIYANAGA, Noriaki
KURITA, Takashi
KAWASHIMA, Toshiyuki
(31) 2012040447
(32) 27.02.2012
(33) Japan

(51) G03B 13/32
G03B 17/02
(11) EP3452873
(21) EP18739956.3
(47) 11.09.2019
(87) IB2018054935
10.01.2019
(22) 04.07.2018
(54) CAMERA MODULE AUTOFOCUS ACTUATOR
(73) Actuator Solutions GmbH
(72) CHIU, Chi-Wei
LU, Hung-Chia
HSU, Huang-Wei
(31) 201700074728
201762528822 P
(32) 04.07.2017
05.07.2017
(33) Italy
United States of America

(51) G03B 17/14
H04N 5/225
H04N 5/232
G03B 17/56
(11) EP3101472
(21) EP14881077.3
(47) 11.09.2019
(87) JP2014081522
06.08.2015
(22) 28.11.2014
(54) CAMERA AND ADAPTER
(73) Sony Corporation
(72) MORIYAMA, Satoshi
TANAKA, Seiichi
HIMENO, Kenji
(31) 2014015450
(32) 30.01.2014
(33) Japan

(51) G03B 17/56
F16M 11/36
(11) EP3398015
(21) EP17713410.3
(47) 11.09.2019
(87) GB2017050768
12.10.2017
(22) 20.03.2017
(54) A TRIPOD FOOT
(73) The Vitec Group plc
(72) MURROW, Andrew Derek
(31) 201605836
201608265
201701937
(32) 06.04.2016
11.05.2016
06.02.2017
(33) United Kingdom
United Kingdom
United Kingdom

(51) G03B 37/00
H04N 5/232
H04N 5/225
G06K 9/46
G06K 9/62
G06T 7/00
G03B 37/02
G06T 7/80
G06T 7/73
(11) EP3001247
(21) EP13899065.0
(47) 11.09.2019
(87) CN2013089411
18.06.2015
(22) 13.12.2013
(54) METHOD AND TERMINAL FOR ACQUIRING PANORAMIC IMAGE
(73) Huawei Device Co., Ltd.
(72) DU, Cheng
SU, Wei
LUO, Wei
DENG, Bin
LI, Landi

(51) G03F 7/00
(11) EP3455676
(21) EP17735599.7
(47) 11.09.2019
(87) EP2017067406
18.01.2018
(22) 11.07.2017
(54) APPARATUS FOR IMPRINTING DISCRETE SUBSTRATES WITH A DISCRETE FLEXIBLE STAMP
(73) Morphotonics Holding B.V.
(72) TER MEULEN, Jan Matthijs
TITULAER, Bram Johannes

VUGTS, Ludovicus
KIERKELS, Jules
VAN ERVEN, Adrianus Johannes
(31) 16179451
(32) 14.07.2016
(33) European Patent Office (EPO)

(51) G03F 7/00
(11) EP3422100
(21) EP17305823.1
(47) 11.09.2019
(22) 29.06.2017
(54) MICROTRANSFER MOLDING PROCESS AND PATTERNED SUBSTRATE OBTAINABLE THEREFROM
(73) Université d'Aix Marseille
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
Université de Toulon
(72) GROSSO, David
BOTTEIN, Thomas

(51) G03F 7/038
G03F 7/039
G03F 7/32
G03F 7/004
G03F 7/40
G03F 7/20
(11) EP3049868
(21) EP14848594.9
(47) 11.09.2019
(87) JP2014003888
02.04.2015
(22) 23.07.2014
(54) METHOD FOR ORGANIC SOLVENT BASED DUAL-TONE DEVELOPMENT USING SULFONIC ACID ESTER CONTAINING PHOTORESISTS
(73) International Business Machines Corporation
JSR Corporation
(72) AYOTHI, Ramakrishnan
SWANSON, Sally Ann
WALLRAFF, Gregory Michael
(31) 201314035891
(32) 24.09.2013
(33) United States of America

(51) G03F 7/075
G03F 7/00
G03F 7/095
G03F 7/32
(11) EP2245512
(21) EP09706292.1
(47) 11.09.2019
(87) US2009032446
06.08.2009
(22) 29.01.2009
(54) ON-TRACK PROCESS FOR PATTERNING HARDMASK BY MULTIPLE DARK FIELD EXPOSURES
(73) Brewer Science, Inc.
(72) SUN, Sam, X.
XU, Hao
FLAIM, Tony, D.
(31) 24474 P
(32) 29.01.2008
(33) United States of America

(51) G03F 7/20
G02B 26/08
(11) EP2805204
(21) EP13705402.9
(47) 11.09.2019
(87) EP2013050721
25.07.2013
(22) 16.01.2013
(54) MIRROR ARRANGEMENT, IN PARTICULAR FOR USE IN A MICROLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS
(73) Carl Zeiss SMT GmbH
(72) PNINI-MITTLER, Boaz
(31) 102012200736
201261588226 P
(32) 19.01.2012
19.01.2012
(33) Germany
United States of America

(51) G03F 7/20
H01L 21/027
(11) EP3278353
(21) EP16773709.7
(47) 11.09.2019
(87) US2016021771
06.10.2016
(22) 11.03.2016
(54) EXPOSURE DOSE HOMOGENIZATION THROUGH ROTATION, TRANSLATION, AND VARIABLE PROCESSING CONDITIONS
(73) Tokyo Electron Limited
(72) SCHATTENBURG, Mark L.
HENDEL, Rudolf H.
CARCASI, Michael
(31) 201562141033 P
201514801703
(32) 31.03.2015
16.07.2015
(33) United States of America
United States of America

(51) G03G 7/00
G03G 8/00
(11) EP3414626
(21) EP16751199.7
(47) 11.09.2019
(87) EP2016067430
25.01.2018
(22) 21.07.2016
(54) LABELS
(73) HP Indigo B.V.
(72) SALANT, Asaf
TULCHINSKI, Dani
TZOMIK, Inna
SKVIRSKY, Daniel
AZZAM, Tony

(51) G03G 9/087
G03G 9/08
(11) EP2898371
(21) EP13839660.1
(47) 11.09.2019
(87) JP2013075384
27.03.2014
(22) 12.09.2013
(54) TONER, DEVELOPER, IMAGE FORMING APPARATUS, AND PROCESS CARTRIDGE
(73) Ricoh Company, Ltd.
(72) YAMAUCHI, Yoshitaka
SUZUKI, Kazumi
(31) 2012204774
2013157297
(32) 18.09.2012
30.07.2013
(33) Japan
Japan

(51) G03G 9/09
G03G 9/08
G03G 9/087
(11) EP3151066
(21) EP16188449.9
(47) 11.09.2019
(22) 18.11.2010
(54) ELECTROPHOTOGRAPHIC TONER
(73) Toshiba TEC Kabushiki Kaisha
(72) AOKI, Takayasu
NODA, Yasuhito
IMAMIYA, Koji
ITOU, Tsuyoshi
FURUYAMA, Noboru
(31) 263499 P
323613 P
(32) 23.11.2009
13.04.2010
(33) United States of America
United States of America

(51) G03G 15/00
(11) EP2551726
(21) EP12178361.7
(47) 11.09.2019
(22) 27.07.2012
(54) Image-forming system, image-forming device, portable terminal, and image-forming system control method
(73) Kyocera Document Solutions Inc.
(72) Suzuki, Atsushi
(31) 2011165431
(32) 28.07.2011
(33) Japan

(51) G03G 15/00
G03G 15/20
(11) EP1821155
(21) EP07102296.6
(47) 11.09.2019
(22) 13.02.2007
(54) Power Control Method and Apparatus to Control a Heating Roller
(73) HP Printing Korea Co., Ltd.
(72) Chae, Young-min
Han, Sang-yong
Kwon, Joong-gi
(31) 20060015160
(32) 16.02.2006
(33) Korea (Republic)

(51) G03G 15/00
G03G 21/02
G03G 21/14
(11) EP3112939
(21) EP16172320.0
(47) 11.09.2019
(22) 31.05.2016
(54) IMAGE FORMING APPARATUS THAT IMPROVES PRINTING SPEED AND RECORDING MEDIUM
(73) KYOCERA Document Solutions Inc.
(72) Shigeoka, Tatsuya
(31) 2015129777
(32) 29.06.2015

(33) Japan

(51) G03G 15/00
G06K 15/02
G06F 3/12
(11) EP2592480
(21) EP12183826.2
(47) 11.09.2019
(22) 11.09.2012
(54) Display processing apparatus, image forming system, and computer-readable storage medium
(73) Ricoh Company, Ltd.
(72) Miyazaki, Ryonosuke
Takeuchi, Tomoyoshi
Yamaguchi, Yasushi
Suzuki, Hiroaki
(31) 2011200743
2012185616
(32) 14.09.2011
24.08.2012
(33) Japan
Japan

(51) G03G 15/01
G03G 15/16
G03G 15/00
(11) EP2625572
(21) EP11830755.2
(47) 11.09.2019
(87) JP2011073163
12.04.2012
(22) 30.09.2011
(54) IMAGE FORMING APPARATUS
(73) Canon Kabushiki Kaisha
(72) ITO, Yoshikuni
HORIGUCHI, Yasuhiro
TANAKA, Takayuki
KARASHIMA, Kenji
TSURUYA, Satoshi
NISHIDA, Shinichi
FUJINO, Takeshi
(31) 2011212309
2010272695
2010225219
2010225218
(32) 28.09.2011
07.12.2010
04.10.2010
04.10.2010
(33) Japan
Japan
Japan
Japan

(51) G03G 15/04
(11) EP2980649
(21) EP15178570.6
(47) 11.09.2019
(22) 28.07.2015
(54) LOW PROFILE LIGHT SCANNING DEVICE AND METHOD THEREOF
(73) Kyocera Document Solutions Inc.
(72) SUMIKURA, Noriaki
UCHIDA, Kosuke
(31) 2014154010
(32) 29.07.2014
(33) Japan

(51) G03G 15/04
B41J 2/45
H04N 1/028
H04N 1/401
(11) EP3196704
(21) EP17152256.8
(47) 11.09.2019
(22) 19.01.2017
(54) EXPOSURE UNIT, IMAGE FORMING UNIT, AND IMAGE FORMING APPARATUS
(73) Oki Data Corporation
(72) YAMAMURA, Akihiro
(31) 2016010500
(32) 22.01.2016
(33) Japan

(51) G03G 15/04
G03G 15/043
(11) EP2541332
(21) EP12173819.9
(47) 11.09.2019
(22) 27.06.2012
(54) Image forming apparatus
(73) Ricoh Company, Ltd.
(72) Yokoyama, Takuhei
Kinoshita, Izumi
Miyazaki, Susumu
Kawanabe, Motohiro
Miyadera, Tatsuya
Shikama, Takeshi
(31) 2011146375
(32) 30.06.2011
(33) Japan

(51) G03G 15/04
G03G 21/16
G03G 21/00
G03G 15/32
(11) EP3306410
(21) EP17192543.1
(47) 11.09.2019
(22) 22.09.2017
(54) IMAGE FORMING APPARATUS
(73) Canon Kabushiki Kaisha
(72) IWAI, Hitoshi
HOSOI, Shinichiro
ISHIDATE, Takehiro
(31) 2016196480
(32) 04.10.2016
(33) Japan

(51) G03G 15/16
G03G 9/113
(11) EP3241076
(21) EP15719203.0
(47) 11.09.2019
(87) EP2015058971
27.10.2016
(22) 24.04.2015
(54) RELEASE LAYER
(73) HP INDIGO B.V.
(72) RAVIV, Oshra
TEPER, Carlos
LUBINSKI, Roy
HABIBI, Gabi
YACOBOVICH, Dorit
PLOSHNIK, Elina
GUSLITZER, Regina

(51) G03G 15/16
G03G 15/01
(11) EP2506082
(21) EP12162143.7
(47) 11.09.2019
(22) 29.03.2012
(54) Image forming apparatus
(73) Kyocera Document Solutions Inc.
(72) Yamada, Masayuki
Tokoro, Yoshitaka
(31) 2011077154
(32) 31.03.2011
(33) Japan

(51) G03G 15/20
(11) EP2833219
(21) EP14171799.1
(47) 11.09.2019
(22) 10.06.2014
(54) Image fixing device
(73) HP Printing Korea Co., Ltd.
(72) Bae, Soo Hwan
Lee, Dong Woo
Park, Ji Su
(31) 20130089796
(32) 29.07.2013
(33) Korea (Republic)

(51) G03G 15/20
(11) EP2919073
(21) EP15158151.9
(47) 11.09.2019
(22) 09.03.2015
(54) IMAGE HEATING APPARATUS
(73) Canon Kabushiki Kaisha
(72) Hasegawa,Takuya
(31) 2014051387
(32) 14.03.2014
(33) Japan

(51) G03G 15/20
(11) EP3260923
(21) EP17176300.6
(47) 11.09.2019
(22) 16.06.2017
(54) HEATER AND FIXING DEVICE
(73) Toshiba TEC Kabushiki Kaisha
Toshiba Hokuto Electronics Corporation
(72) TAKAGI, Osamu
(31) 2016121441
2017097235
(32) 20.06.2016
16.05.2017
(33) Japan
Japan

(51) G03G 15/20
(11) EP2146254
(21) EP09162211.8
(47) 11.09.2019
(22) 08.06.2009
(54) Printing machine and method of operating printing machine
(73) Xerox Corporation
(72) Roof, Bryan J
Panides, Elias
Kladias, Nicholas
Alvarez, Jorge A
Lalley, David D
Keenan, Christine A
Gerbasi, Gregory D
Domoto, Gerald A
(31) 135235
(32) 09.06.2008
(33) United States of America

(51) G03G 15/20

(11) EP2466389
(21) EP11191450.3
(47) 11.09.2019
(22) 01.12.2011
(54) Belt assembly, fixing device, and image forming apparatus incorporating same
(73) Ricoh Company, Ltd.
(72) Yamaguchi, Yoshiki
Imada, Takahiro
Fujimoto, Ippei
Yoshinaga, Hiroshi
Gotoh, Hajime
Yoshiura, Arinobu
Shimokawa, Toshihiko
Yoshikawa, Masaaki
Ishii, Kenji
Arai, Yuji
Takagi, Hiromasa
Iwaya, Naoki
Tokuda, Tetsuo
Ikebuchi, Yutaka
Seshita, Takuya
(31) 2010278139
(32) 14.12.2010
(33) Japan

(51) G03G 15/20
(11) EP2733552
(21) EP12811206.7
(47) 11.09.2019
(87) JP2012068043
17.01.2013
(22) 10.07.2012
(54) IMAGE HEATING DEVICE
(73) Canon Kabushiki Kaisha
(72) SHIBATA Kota
(31) 2011155631
(32) 14.07.2011
(33) Japan

(51) G03G 15/20
G03G 21/20
(11) EP2824516
(21) EP14176119.7
(47) 11.09.2019
(22) 08.07.2014
(54) Cooling device and image forming apparatus incorporating same
(73) Ricoh Company, Ltd.
(72) Miyagawa, Hiroaki
Aizawa, Satoshi
Tateyama, Susumu
Hirasawa, Tomoyasu
(31) 2013143100
2014096507
(32) 08.07.2013
08.05.2014
(33) Japan
Japan

(51) G03G 15/22
B33Y 10/00
B29C 64/20
B29C 64/106
G03G 15/16
B29C 64/223
B33Y 30/00
(11) EP3255505
(21) EP17174394.1
(47) 11.09.2019
(22) 02.06.2017
(54) ELECTROSTATIC 3-D PRINTER COMPRISING A MECHANICAL PLANER
(73) Xerox Corporation
(72) CLARK, Robert A.
ZONA, Michael F.
NOWAK, William J.
LIU, Chu-heng
ALVAREZ, Jorge A.
MCCONVILLE, Paul J.
(31) 201615176040
(32) 07.06.2016
(33) United States of America

(51) G03G 21/12
(11) EP2722717
(21) EP13188503.0
(47) 11.09.2019
(22) 14.10.2013
(54) Fullness detection device, image forming apparatus, and method for controlling fullness detection device
(73) Kyocera Document Solutions Inc.
(72) Sayama, Haruki
(31) 2012232201
(32) 19.10.2012
(33) Japan

(51) G03G 21/18
G03G 21/00
(11) EP3112944
(21) EP16176624.1
(47) 11.09.2019
(22) 28.06.2016
(54) CLEANING BLADE, PROCESS CARTRIDGE, AND IMAGE FORMING APPARATUS
(73) Ricoh Company, Ltd.
(72) Aoyama, Yuka
Gondoh, Masanobu
Sakon, Yohta
Ohmori, Masahiro
Gohda, Shohei
Toyama, Kaori
Nakamura, Yuta
Juri, Keiichiro
(31) 2015134636
2016004569
(32) 03.07.2015
13.01.2016
(33) Japan
Japan

(51) G03H 1/08
(11) EP2634648
(21) EP13000643.0
(47) 11.09.2019
(22) 07.02.2013
(54) A holographic display device and method for generating hologram using redundancy of 3D video
(73) LG Electronics Inc.
(72) Sung, Jaewon
Koo, Moonmo
Yea, Sehoon
(31) 20120021325
(32) 29.02.2012
(33) Korea (Republic)

(51) G03H 1/22
(11) EP2880496
(21) EP13759317.4
(47) 11.09.2019
(87) IL2013050648
06.02.2014
(22) 30.07.2013
(54) INCREASING AN AREA FROM WHICH RECONSTRUCTION FROM A COMPUTER GENERATED HOLOGRAM MAY BE VIEWED
(73) Real View Imaging Ltd.
(72) GELMAN, Shaul Alexander
ALON-BRAITBART, Shlomo
YOREH, Yuval Yehuda
ROTSCHILD, Carmel
(31) 201261678211 P
201261678213 P
(32) 01.08.2012
01.08.2012
(33) United States of America
United States of America

(51) G04D 7/00
(11) EP2966516
(21) EP14176370.6
(47) 11.09.2019
(22) 09.07.2014
(54) Watch winder
(73) M & E Uhrenbeweger Manufaktur GmbH
(72) Espenner, Oliver
Merklinger, Alexander

(51) G05B 9/03
(11) EP2875408
(21) EP13732465.3
(47) 11.09.2019
(87) EP2013063430
30.01.2014
(22) 26.06.2013
(54) FIELD DEVICE FOR DETERMINING OR MONITORING A PROCESS VARIABLE IN AUTOMATION TECHNOLOGY
(73) Endress+Hauser SE+Co. KG
(72) GIRARDEY Romuald
(31) 102012106652
(32) 23.07.2012
(33) Germany

(51) G05B 11/01
H02J 3/00
G06Q 50/00
(11) EP2176716
(21) EP08782097.3
(47) 11.09.2019
(87) US2008070547
29.01.2009
(22) 18.07.2008
(54) METHOD FOR ASSESSING POTENTIALLY COMPROMISING SITUATIONS OF A POWER SYSTEM
(73) General Electric Technology GmbH
(72) CASTELLI, Gennaro
HACKETT, Michael
HOWARD, Michael, Quinn
JONES, Lawrence, Edmund
SHUNG, Huichu, Su
BRAND, Heath, Daniel
(31) 952021 P
139111
139118
139159
139167
139189
139194

(32) 26.07.2007
13.06.2008
13.06.2008
13.06.2008
13.06.2008
13.06.2008
13.06.2008
(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) G05B 11/42
G05B 13/02
G05B 13/04
(11) EP2987037
(21) EP14727020.1
(47) 11.09.2019
(87) GB2014051216
23.10.2014
(22) 17.04.2014
(54) AUTO-TUNING
(73) Gencoa Ltd
(72) BELLIDO-GONZALEZ, Victor
MONAGHAN, Dermot Partick
BRINDLEY, Joseph
DANIEL, Benoit
(31) 201306923
(32) 17.04.2013
(33) United Kingdom

(51) G05B 13/02
F01K 13/02
(11) EP2867735
(21) EP13734484.2
(47) 11.09.2019
(87) IB2013001181
03.01.2014
(22) 07.06.2013
(54) A METHOD FOR OPTIMIZATION OF CONTROL AND FAULT ANALYSIS IN A THERMAL POWER PLANT
(73) ABB Schweiz AG
(72) GOVINDARAJULU, Sudhakar
SUBRAMANIAN, Sankara
SRINIVASA, Battena
NESARGI, Sumeet
(31) 2597CH2012
(32) 29.06.2012
(33) India

(51) G05B 17/02
(11) EP2869143
(21) EP13190859.2
(47) 11.09.2019
(22) 30.10.2013
(54) Emulation system for simulating a technical system
(73) Siemens Aktiengesellschaft
(72) Ermler, Rene
Dallmann, Michael
Heider, Alexander
Quiros Araya, Gustavo

(51) G05B 17/02
G05B 19/418
(11) EP2849006
(21) EP14184541.2
(47) 11.09.2019
(22) 12.09.2014
(54) Control system simulation system and method
(73) General Electric Company
(72) Conroy, Patrick Joseph
Cloughley, Terence David
(31) 201314028368
(32) 16.09.2013
(33) United States of America

(51) G05B 19/042
G05B 15/02
(11) EP2952984
(21) EP15158942.1
(47) 11.09.2019
(22) 13.03.2015
(54) METHOD FOR ADJUSTING THE FUNCTIONS OF A SITUATION MONITOR AND BUILDING INSTALLATION
(73) Insta GmbH
(72) Neuhaus, Dr.-Ing. Stefan
Detzner, Peter
(31) 102014107682
(32) 02.06.2014
(33) Germany

(51) G05B 19/042
G06F 9/50
(11) EP3193222
(21) EP16193360.1
(47) 11.09.2019
(22) 11.10.2016
(54) CLIENT AND SERVER IN SUPERVISORY CONTROL AND DATA ACQUISITION SYSTEM
(73) LSIS Co., Ltd.
(72) LEE, Seok Chan
BAHNG, Soon Jong
LEE, Seung Ju
KIM, Sung Ho
(31) 20160005628
(32) 15.01.2016
(33) Korea (Republic)

(51) G05B 19/05
G06F 11/36
G06F 11/32
G05B 19/04
(11) EP2672348
(21) EP12758069.4
(47) 11.09.2019
(87) JP2012055674
20.09.2012
(22) 06.03.2012
(54) CONTROL DEVICE, CONTROL SYSTEM, TOOL DEVICE, AND COLLECTION INSTRUCTION PROGRAM
(73) Omron Corporation
(72) YAOITA, Koji
OTA, Masanori
SAKAGUCHI, Yasunori
(31) 2011056868
(32) 15.03.2011
(33) Japan

(51) G05B 19/18
G05B 19/4093
G05B 19/4097
G05B 19/27
(11) EP3045988
(21) EP13893433.6
(47) 11.09.2019
(87) JP2013074909
19.03.2015
(22) 13.09.2013
(54) METHODS AND APPARATUSES FOR TOOLPATH EVALUATION
(73) MAKINO MILLING MACHINE CO., LTD.
(72) OTOMO, Yuji
TANIGAWA, Yuki
ASAMI, Soichiro

(51) G05B 19/37
G03F 7/00
G05B 19/19
G05B 19/416
(11) EP2620824
(21) EP12000454.4
(47) 11.09.2019
(22) 26.01.2012
(54) Method for moving an object
(73) Robert Bosch GmbH
(72) Dirks, Walrick

(51) G05B 19/409
(11) EP3214514
(21) EP14905019.7
(47) 11.09.2019
(87) JP2014078519
06.05.2016
(22) 27.10.2014
(54) MACHINE TOOL CONTROL METHOD AND MACHINE TOOL CONTROL DEVICE
(73) Makino Milling Machine Co., Ltd.
(72) HOSHINO, Yoshihiro
ISHII, Kazunari
KAWAI, Rie
UNNO, Takahiro
STANCU, Alexandra Florentina

(51) G05B 19/4097
(11) EP2657800
(21) EP13165669.6
(47) 11.09.2019
(22) 26.04.2013
(54) Iterative packing optimization
(73) Disney Enterprises, Inc.
(72) Tschanz, Michael
Mcnaull, Patrick
Boyle, Bryant
Ngo, J. Thomas
(31) 201213457229
(32) 26.04.2012
(33) United States of America

(51) G05B 19/418
B29D 11/00
G02C 7/02
(11) EP2992393
(21) EP14718397.4
(47) 11.09.2019
(87) EP2014057779
06.11.2014
(22) 16.04.2014
(54) CALCULATION SYSTEM FOR MANUFACTURING AN OPHTHALMIC LENS
(73) Essilor International
(72) MARCEPOIL, Laurent
MAURICE, Sébastien
MARTIN, Luc
HOLVOET VERMAUT, Benoît

(31) 13305565
(32) 29.04.2013
(33) European Patent Office (EPO)

(51) G05D 1/00
(11) EP3232284
(21) EP16164769.8
(47) 11.09.2019
(22) 11.04.2016
(54) METHOD AND APPARATUS FOR CONTROL OF A STEERABLE LANDING GEAR
(73) Airbus Operations Limited
Airbus Opérations SAS
(72) GARAYGAY, Cecile
ROMANA, Louis-Emmanuel
MAYOLLE, Matthieu

(51) G05D 16/06
F16K 17/30
F16K 1/36
(11) EP2416228
(21) EP10761490.1
(47) 11.09.2019
(87) JP2010051932
14.10.2010
(22) 10.02.2010
(54) DECOMPRESSION VALVE
(73) Keihin Corporation
(72) YAMAMOTO Hiroaki
(31) 2009083510
(32) 30.03.2009
(33) Japan

(51) G05D 19/02
F16F 15/00
B06B 1/02
(11) EP3028108
(21) EP14739046.2
(47) 11.09.2019
(87) EP2014001901
05.02.2015
(22) 10.07.2014
(54) METHOD FOR CONTROLLING, IN PARTICULAR DAMPING, A MECHANICAL OSCILLATION OF A SYSTEM
(73) Sew-Eurodrive GmbH & Co. KG
(72) STEINSDÖRFER, Andreas
ZÖLLER, Thomas
(31) 102013012716
(32) 01.08.2013
(33) Germany

(51) G05D 25/02
(11) EP2652570
(21) EP11817330.1
(47) 11.09.2019
(87) FR2011052979
21.06.2012
(22) 14.12.2011
(54) SYSTEM FOR CONTROLLING ACTIVE GLASS PANELS INCLUDING A GLARE SENSOR
(73) SAGE Electrochromics, Inc.
(72) NICOLAS, David
(31) 1060627
(32) 16.12.2010
(33) France

(51) G05F 1/46
G05F 1/56
G05F 1/575
(11) EP3028110
(21) EP14750276.9
(47) 11.09.2019
(87) US2014047976
05.02.2015
(22) 24.07.2014
(54) SLOW START FOR LDO REGULATORS
(73) Qualcomm Incorporated
(72) PELUSO, Vincenzo F.
(31) 201313954757
(32) 30.07.2013
(33) United States of America

(51) G05F 1/56
H02M 3/155
H02M 3/158
H02M 3/07
H02M 1/00
(11) EP3055748
(21) EP14852747.6
(47) 11.09.2019
(87) US2014059404
16.04.2015
(22) 07.10.2014
(54) FEEDBACK CONTROL IN HYBRID VOLTAGE REGULATORS
(73) Lion Semiconductor Inc.
(72) LE, Hanh-Phuc
CROSSLEY, John
PUGGELLI, Alberto
KIM, Wonyoung
(31) 201361887581 P
(32) 07.10.2013
(33) United States of America

(51) G05F 3/30
G05F 3/26
(11) EP3327538
(21) EP17184045.7
(47) 11.09.2019
(22) 31.07.2017
(54) VOLTAGE REFERENCE CIRCUIT
(73) NXP USA, Inc.
(72) PIGOTT, John M.
KOCHKIN, Ivan Victorovich
AHMED, Hamada
(31) 201615362877
(32) 29.11.2016
(33) United States of America

(51) G05G 1/08
(11) EP2835711
(21) EP14177422.4
(47) 11.09.2019
(22) 17.07.2014
(54) SWITCHING DEVICE FOR A COOKING DEVICE
(73) BSH Hausgeräte GmbH
(72) Costenoble, Iris
Fleissner, Reinhard
Gerl, Markus
Kleisinger, Doris
Schumann, Dirk
(31) 102013214849
(32) 30.07.2013
(33) Germany

(51) G05G 1/08
G05G 23/00
(11) EP3115862
(21) EP16176811.4
(47) 11.09.2019
(22) 29.06.2016
(54) ROTATIONAL STRUCTURE FOR ROTARY KNOB
(73) Onkyo Corporation
(72) YAMAGUCHI, Shinji
(31) 2015130610
(32) 30.06.2015
(33) Japan

(51) G05G 5/03
B60K 26/02
F16H 19/08
G05G 1/44
(11) EP3056962
(21) EP14852076.0
(47) 11.09.2019
(87) JP2014074389
16.04.2015
(22) 16.09.2014
(54) RESISTANCE-FORCE OUTPUT DEVICE
(73) HONDA LOCK MFG. CO., LTD.
(72) OOBA, Takashi
KOUZUMA, Hiroyuki
(31) 2013211137
(32) 08.10.2013
(33) Japan

(51) G06F 1/10
G06F 1/3234
G06F 1/3296
G06F 1/324
G06F 9/46
(11) EP3198438
(21) EP15850559.4
(47) 11.09.2019
(87) CN2015091589
21.04.2016
(22) 09.10.2015
(54) HARDWARE APPARATUS AND METHOD FOR MULTIPLE PROCESSORS DYNAMIC ASYMMETRIC AND SYMMETRIC MODE SWITCHING
(73) Huawei Technologies Co., Ltd.
(72) CHEN, Wei
YANG, Tongzeng
MAZZOLA, Anthony
(31) 201414516314
(32) 16.10.2014
(33) United States of America

(51) G06F 1/16
G06F 1/32
(11) EP2755106
(21) EP14150615.4
(47) 11.09.2019
(22) 09.01.2014
(54) Electronic apparatus and control method
(73) Samsung Electronics Co., Ltd
(72) Kim, Se-joong
(31) 201361750403 P
20130089077
(32) 09.01.2013
26.07.2013
(33) United States of America
Korea (Republic)

(51) G06F 1/16
G06F 3/041
G06F 3/0481
G06F 3/0488
H04M 1/725

G06F 3/0486
H04M 1/02
(11) EP3109727
(21) EP16163408.4
(47) 11.09.2019
(22) 31.03.2016
(54) MOBILE TERMINAL
(73) Xiaomi Inc.
(72) LIU, Anyu
DU, Hui
LI, Guosheng
(31) 201510357492
(32) 25.06.2015
(33) China

(51) G06F 1/16
G06F 3/0482
G06F 3/0481
(11) EP2271977
(21) EP09755433.1
(47) 11.09.2019
(87) US2009039117
03.12.2009
(22) 01.04.2009
(54) SYSTEM AND METHOD FOR STREAMLINING USER INTERACTION WITH ELECTRONIC CONTENT
(73) Litl, LLC
(72) BEHAR, Yves
MORENSTEIN, Joshua
HIBMACRONAN, Christopher
EDAHIRO, Naoya
DAY, Matthew, David
HAVOC, Robert, Sanford
GUYOT, Noah, Bruce
KUO, Daniel
HAYES, Jenea, Boshart
TANG, Aaron
FISCHER, Donald, Francis
SCHMIDT, Christian, Marc
STRAUSFELD, Lisa
FORE, David, Livingstone
GALLUCI, Marc
SUTTON, Eric
WEBBER, Samuel, Wallace
MEAHAN, Christine
HENSON, Philip
CHUANG, John
HANEY, Bart
RAY, Logan
BAMBACUS, Chris
BEAULIEU, Serge
(31) 41365
170939
170951
(32) 01.04.2008
10.07.2008
10.07.2008
(33) United States of America
United States of America
United States of America

(51) G06F 1/16
H04M 1/02
(11) EP3340007
(21) EP17209381.7
(47) 11.09.2019
(22) 21.12.2017
(54) ELECTRONIC DEVICE INCLUDING GLASS HOUSING
(73) Samsung Electronics Co., Ltd.
(72) KIM, Jung-Hyun
KIM, Tae-Kon
OH, Seung-Taek
CHOI, Jong-Chul
(31) 20160177648
(32) 23.12.2016
(33) Korea (Republic)

(51) G06F 1/16
H04M 1/03
H04M 1/725
G06F 3/16
(11) EP2434732
(21) EP10178685.3
(47) 11.09.2019
(22) 23.09.2010
(54) System and method for rotating a user interface for a mobile device
(73) BlackBerry Limited
(72) Deluca, Michael Joseph

(51) G06F 1/16
H04W 4/80
G06F 3/01
G06F 3/046
H04B 5/00
(11) EP3214528
(21) EP16158668.0
(47) 11.09.2019
(22) 04.03.2016
(54) GESTURE FEEDBACK
(73) NXP B.V.
(72) Dandamudi, Srikanth
Dixit, Harish D.

(51) G06F 1/18
G11B 33/12
H05K 7/14
(11) EP2550572
(21) EP11715950.9
(47) 11.09.2019
(87) FR2011050566
29.09.2011
(22) 21.03.2011
(54) HIGH-DENSITY BLADE WITH HOT-SWAPPING OF COMPONENTS FOR A COMPUTER SYSTEM
(73) Bull SAS
(72) CRISAN, Cornel
TEMPORELLI, Frédéric
(31) 1052099
(32) 23.03.2010
(33) France

(51) G06F 1/20
G06F 1/32
G06F 1/324
G06F 1/3234
(11) EP2943847
(21) EP14704410.1
(47) 11.09.2019
(87) US2014010527
17.07.2014
(22) 07.01.2014
(54) THERMAL ADJUSTMENT USING DISTRIBUTED SENSORS
(73) Google LLC
(72) NANDA, Sameer
PALATIN, Vincent
(31) 201313737129
(32) 09.01.2013
(33) United States of America

(51) G06F 1/32
G06F 1/3212
H04W 52/02
(11) EP2881838
(21) EP13883348.8
(47) 11.09.2019
(87) CN2013085978
30.04.2015
(22) 25.10.2013
(54) ADJUSTMENT METHOD AND BOOT METHOD FOR POWER-OFF THRESHOLD VOLTAGE AND ELECTRONIC DEVICE THEREOF
(73) Huawei Device Co., Ltd.
(72) WEI, Konggang
ZOU, Jie
XIONG, Qiang

(51) G06F 1/324
G06F 1/3206
G06T 1/20
(11) EP3355163
(21) EP17154351.5
(47) 11.09.2019
(22) 02.02.2017
(54) ADAPTIVE POWER CONTROL LOOP
(73) ATI Technologies ULC
(72) KWON, Soon Kyu
HUANG, Jun
PEZESHGI, Shahriar
DUENAS, Alexander
(31) 201715416955
(32) 26.01.2017
(33) United States of America

(51) G06F 3/01
(11) EP3100138
(21) EP15702568.5
(47) 11.09.2019
(87) GB2015050217
06.08.2015
(22) 29.01.2015
(54) SYSTEM FOR A BRAIN-COMPUTER INTERFACE
(73) University of Leicester
University of Newcastle upon Tyne
IP2IPO Innovations Limited
(72) JACKSON, Andrew
CONSTANDINOU, Tim
EFTEKHAR, Amir
QUIROGA, Rodrigo Quian
AHUMADA, Joaquin Navajas
(31) 201401613
(32) 30.01.2014
(33) United Kingdom

(51) G06F 3/01
G06F 1/16
G06F 3/0346
(11) EP2812774
(21) EP13702158.0
(47) 11.09.2019
(87) US2013021872
15.08.2013
(22) 17.01.2013
(54) METHOD FOR MANAGING SCREEN ORIENTATION OF A PORTABLE ELECTRONIC DEVICE
(73) Google Technology Holdings LLC
(72) ZHAO, Hong

TAO, LieJun
THORSON, Dean E.
(31) 201213368853
(32) 08.02.2012
(33) United States of America

(51) G06F 3/01
G06F 1/16
G06F 3/041
(11) EP3343318
(21) EP16207426.4
(47) 11.09.2019
(22) 29.12.2016
(54) METHOD AND DEVICE FOR GENERATING A HAPTIC EFFECT
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
Ozyegin Universitesi
(72) KIRISKEN, Barbaros
BEBEK, Özkan

(51) G06F 3/01
G06F 1/32
(11) EP2972673
(21) EP14716488.3
(47) 11.09.2019
(87) US2014025346
25.09.2014
(22) 13.03.2014
(54) SYSTEMS AND METHODS FOR DEVICE INTERACTION BASED ON A DETECTED GAZE
(73) QUALCOMM INCORPORATED
(72) KRULCE, Darrell L.
MACDOUGALL, Francis B.
VAN DYKEN, Shaun W.
(31) 201313831197
(32) 14.03.2013
(33) United States of America

(51) G06F 3/01
G06F 3/038
G06T 17/05
G06T 19/20
(11) EP3400507
(21) EP17730978.8
(47) 11.09.2019
(87) US2017033357
23.11.2017
(22) 18.05.2017
(54) SYSTEM AND METHOD FOR FAULT DETECTION AND RECOVERY FOR CONCURRENT ODOMETRY AND MAPPING
(73) Google LLC
(72) NERURKAR, Esha
ZHAO, Sheng
(31) 201662337987 P
201715597366
(32) 18.05.2016
17.05.2017
(33) United States of America
United States of America

(51) G06F 3/01
G06F 3/041
G06F 3/0481
(11) EP2876528
(21) EP14195030.3
(47) 11.09.2019
(22) 26.11.2014
(54) Systems and methods for generating friction and vibrotactile effects
(73) Immersion Corporation
(72) Levesque, Vincent
Modarres, Ali
Cruz-Hernandez, Juan Manuel
Weddle, Amaya Becvar
Birnbaum, David M.
Grant, Danny A.
(31) 201314090922
(32) 26.11.2013
(33) United States of America

(51) G06F 3/01
G06F 3/041
H01B 7/08
H05K 5/00
H05K 5/02
(11) EP3203355
(21) EP17154519.7
(47) 11.09.2019
(22) 03.02.2017
(54) FLAT CABLE WIRING STRUCTURE
(73) Kabushiki Kaisha Tokai Rika Denki Seisakusho
(72) OKUDA, Ryosuke
(31) 2016019121
(32) 03.02.2016
(33) Japan

(51) G06F 3/01
G06F 3/041
H01L 41/08
(11) EP3333676
(21) EP18154466.9
(47) 11.09.2019
(22) 21.04.2011
(54) TRANSPARENT PIEZOELECTRIC COMBINED TOUCH SENSOR AND HAPTIC ACTUATOR
(73) Immersion Corporation
(72) MODARRES, Ali
RAMSTEIN, Christophe
CRUZ-HERNANDEZ, Juan Manuel
GRANT, Danny A.
(31) 327625 P
(32) 23.04.2010
(33) United States of America

(51) G06F 3/01
G06F 3/0488
H04M 1/725
G06F 3/0484
(11) EP3224706
(21) EP15816934.2
(47) 11.09.2019
(87) US2015062339
02.06.2016
(22) 24.11.2015
(54) HYBRIDIZATION OF VOICE NOTES AND CALLING
(73) Snap Inc.
(72) BRODY, Jonathan
HANOVER, Matthew
SAMARANAYAKE, Chamal
WU, William
(31) 201462085209 P
201562119963 P
201514949785
(32) 26.11.2014
24.02.2015
23.11.2015
(33) United States of America
United States of America
United States of America

(51) G06F 3/01
G06K 9/00
G06F 21/32
G10L 15/25
H04L 29/06
G06F 3/00
H04W 12/08
G06F 21/35
G06K 9/20
H04N 13/204
(11) EP3164788
(21) EP15745613.8
(47) 11.09.2019
(87) US2015038924
07.01.2016
(22) 02.07.2015
(54) SECURE WEARABLE COMPUTER INTERFACE
(73) Microsoft Technology Licensing, LLC
(72) NEVET, Amir
YAHAV, Giora
(31) 201414322927
(32) 03.07.2014
(33) United States of America

(51) G06F 3/01
G06K 9/00
G06T 7/20
H04Q 9/00
(11) EP2856283
(21) EP13724892.8
(47) 11.09.2019
(87) JP2013002827
05.12.2013
(22) 25.04.2013
(54) IMAGE PROCESSING APPARATUS AND PROGRAM
(73) Sony Corporation
(72) KIMURA, Jun
(31) 2012121555
(32) 29.05.2012
(33) Japan

(51) G06F 3/01
H03K 17/94
H03K 17/945
G06F 3/042
G06F 3/0485
H03K 17/96
(11) EP2494691
(21) EP10827143.8
(47) 11.09.2019
(87) KR2010007558
05.05.2011
(22) 29.10.2010
(54) ELECTRONIC APPARATUS FOR PROXIMITY SENSING
(73) Samsung Electronics Co., Ltd.
(72) KIM, Bo-min
CHA, Sang-ok
KIM, Hyun-jin
JUNG, Han-chul
(31) 20090104294
(32) 30.10.2009
(33) Korea (Republic)

(51) G06F 3/023
G06F 17/27
(11) EP3102998

(21) EP15716372.6
(47) 11.09.2019
(87) US2015023946
03.12.2015
(22) 01.04.2015
(54) DEVICE, METHOD, AND GRAPHICAL USER INTERFACE FOR A PREDICTIVE KEYBOARD
(73) Apple Inc.
(72) CHAUDHRI, Imran A.
KARUNAMUNI, Chanaka G.
JON, Tiffany S.
BEAVER, Jason C.
SHAFFER, Joshua H.
WILLMORE, Christopher P.
JONG, Nicholas K.
(31) 201462005837 P
201462046876 P
201414503147
201414502711
(32) 30.05.2014
05.09.2014
30.09.2014
30.09.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) G06F 3/0346
H04N 5/222
H04N 21/41
H04N 21/4223
H04N 21/442
(11) EP2708982
(21) EP13184907.7
(47) 11.09.2019
(22) 18.09.2013
(54) Method for guiding the user of a controller of a multimedia apparatus to move within recognizable range of the multimedia apparatus, the multimedia apparatus, and target tracking apparatus thereof
(73) Samsung Electronics Co., Ltd
(72) Choi, Jin-Wuk
Kwon, Dong-Wook
Kim, Jung-Seop
Kim, Kyung-Il
Kim, Min-Ho
Lee, Gi-Sang
Lee, Sang-Bo
Lee, Jin-Kyung
Jung, Sun-Tae
jin, Young-Gu
(31) 20120103507
20130016574
(32) 18.09.2012
15.02.2013
(33) Korea (Republic)
Korea (Republic)

(51) G06F 3/0354
G06F 3/046
G06F 3/038
G06F 3/041
G06F 3/044
G06F 1/16
G06F 3/0488
(11) EP2469383
(21) EP11194204.1
(47) 11.09.2019
(22) 19.12.2011
(54) Input apparatus with display integrating a sensor that defines a pointing detection area
(73) Wacom Co., Ltd.
(72) Onoda, Naoto
(31) 2010287029
(32) 24.12.2010
(33) Japan

(51) G06F 3/041
G06F 3/01
H01L 41/193
H01L 41/083
H01L 41/09
(11) EP3041058
(21) EP15195175.3
(47) 11.09.2019
(22) 18.11.2015
(54) MULTILAYER TRANSFORMABLE DEVICE AND DISPLAY DEVICE COMPRISING THE SAME
(73) LG Display Co., Ltd.
(72) LIM, Myungjin
CHOI, SuSeok
HAM, Yongsu
KIM, Taeheon
LEE, Yongwoo
CHOI, Seulgi
(31) 20140195908
20150086831
(32) 31.12.2014
18.06.2015
(33) Korea (Republic)
Korea (Republic)

(51) G06F 3/041
G06F 3/044
(11) EP3270269
(21) EP17181129.2
(47) 11.09.2019
(22) 13.07.2017
(54) PRESSURE SENSOR AND DISPLAY DEVICE INCLUDING THE SAME
(73) Samsung Display Co., Ltd.
(72) Choi, Sung Min
Kim, Dae Won
Hong, Ik Jun
Park, Han Ki
(31) 20160090058
(32) 15.07.2016
(33) Korea (Republic)

(51) G06F 3/041
G06F 3/044
(11) EP2626773
(21) EP13153409.1
(47) 11.09.2019
(22) 31.01.2013
(54) Apparatus and method for compensating touch error in an electronic device with a touch screen
(73) Samsung Electronics Co., Ltd
(72) Lee, Heon-Seok
Park, Jong-Dae
Heo, Hoon-Do
(31) 20120013831
(32) 10.02.2012
(33) Korea (Republic)

(51) G06F 3/041
G06F 3/044
G02F 1/1333
(11) EP3151100
(21) EP14863070.0
(47) 11.09.2019
(87) CN2014087004
03.12.2015
(22) 20.09.2014
(54) EMBEDDED TOUCHSCREEN AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
Beijing BOE Optoelectronics Technology Co., Ltd.
(72) WANG, Haisheng
DONG, Xue
XUE, Hailin
LIU, Yingming
ZHAO, Weijie
DING, Xiaoliang
YANG, Shengji
LIU, Hongjuan
WANG, Lei
WANG, Chunlei
(31) 201410240493
(32) 30.05.2014
(33) China

(51) G06F 3/041
G06F 3/044
G06F 3/048
G06F 3/0488
(11) EP2124138
(21) EP09006851.1
(47) 11.09.2019
(22) 20.05.2009
(54) Mobile terminal using proximity sensing
(73) LG Electronics Inc.
(72) Cho, Seon-Hwi
(31) 20080046743
20080047125
(32) 20.05.2008
21.05.2008
(33) Korea (Republic)
Korea (Republic)

(51) G06F 3/041
G06F 3/0484
G06F 3/01
G06T 11/20
G06F 3/0486
G06F 3/0488
(11) EP3019930
(21) EP14745279.1
(47) 11.09.2019
(87) US2014045448
15.01.2015
(22) 03.07.2014
(54) INTERACTIVE DIGITAL DISPLAYS
(73) Microsoft Technology Licensing, LLC
(72) LEE, Bongshin
SMITH, Greg
NETZ, Amir
LONGLEY, Matt, J.
TRAN, Allison
PETCULESCU, Cristian
PRISH, Shahar
OPPENHEIMER, Diego
WILSON, Adam
BAUMGARTNER, Patrick
REZAEI, Pedram, Faghihi
FORSTROM, Amy

MEGIDDO, Eran
(31) 201361845902 P
201414302249
(32) 12.07.2013
11.06.2014
(33) United States of America
United States of America

(51) G06F 3/042
(11) EP2824548
(21) EP14172635.6
(47) 11.09.2019
(22) 17.06.2014
(54) Coordinate detecting device and electronic information board system
(73) Ricoh Company, Ltd.
(72) KUBA, Yasuhiro
(31) 2013142394
(32) 08.07.2013
(33) Japan

(51) G06F 3/044
G06F 3/03
G06F 3/0354
(11) EP2933710
(21) EP13866143.4
(47) 11.09.2019
(87) JP2013083292
26.06.2014
(22) 12.12.2013
(54) ELECTROSTATIC STYLUS PEN
(73) Wacom Co., Ltd.
(72) KATSURAHIRA Yuji
(31) 2012274195
(32) 17.12.2012
(33) Japan

(51) G06F 3/044
G06F 3/041
H04B 5/00
G06F 3/038
G06F 3/046
G06F 3/0354
H04W 4/80
(11) EP2757538
(21) EP12831883.9
(47) 11.09.2019
(87) CN2012081171
21.03.2013
(22) 10.09.2012
(54) ELECTRONIC APPARATUS AND DATA TRANSMISSION SYSTEM
(73) Slim HMI Technology
(72) Tsai Hsiung-kuang
(31) PCT/CN2011/079576
(32) 13.09.2011
(33) World Intellectual Property Office (WIPO)

(51) G06F 3/0481
G06F 3/0482
G06F 3/0485
G06F 3/0486
G06F 3/0488
H04M 1/725
G06F 9/451
(11) EP2469399
(21) EP12160490.4
(47) 11.09.2019
(22) 11.02.2008
(54) Layer-based user interface
(73) Idean Enterprises Oy
(72) Heiskanen, Petri
Käki, Mika
Kallio, Markus
Lähdesmäki, Risto
Vänskä, Marko

(51) G06F 3/0481
G06F 3/0482
G06F 3/0485
G06F 3/0488
G06F 3/0354
G01C 21/36
(11) EP3352067
(21) EP18152621.1
(47) 11.09.2019
(22) 19.01.2018
(54) VEHICULAR INPUT DEVICE AND METHOD OF CONTROLLING VEHICULAR INPUT DEVICE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) TANAKA, Seiichi
(31) 2017009862
(32) 23.01.2017
(33) Japan

(51) G06F 3/0482
G06F 3/0483
G06K 9/00
G06F 3/0354
G06F 3/048
G06F 3/0488
G06F 3/0485
(11) EP3367229
(21) EP18156534.2
(47) 11.09.2019
(22) 13.02.2018
(54) METHOD OF DISPLAYING IMAGE SELECTED FROM MULTIPLE IMAGES ON TOUCH SCREEN
(73) KABUSHIKI KAISHA TOSHIBA
Toshiba TEC Kabushiki Kaisha
(72) INAGI, Tatsuya
NARAHASHI, Masaki
TANAKA, Hiroyo
MIYAZAKI, Sou
(31) 2017033125
(32) 24.02.2017
(33) Japan

(51) G06F 3/0482
G06F 3/0484
G06F 3/0354
G06F 1/16
G06F 3/0488
H04M 1/02
(11) EP2916195
(21) EP15000437.2
(47) 11.09.2019
(22) 13.02.2015
(54) Mobile terminal and controlling method thereof
(73) LG Electronics Inc.
(72) Cho, Jinho
Ka, Hokyung
Jung, Egun
Ahn, Yeongnam
(31) 20140024984
20140081737
(32) 03.03.2014
01.07.2014
(33) Korea (Republic)
Korea (Republic)

(51) G06F 3/0482
H04L 29/06
H04N 21/414
H04N 21/436
H04N 21/44
H04L 29/08
G06F 16/438
G06F 16/44
(11) EP3136655
(21) EP14892448.3
(47) 11.09.2019
(87) CN2014077772
26.11.2015
(22) 19.05.2014
(54) MULTIMEDIA DISPLAY METHOD, DEVICE AND EQUIPMENT
(73) Huawei Technologies Co., Ltd.
(72) QIN, Yirong
CHEN, Minjiang

(51) G06F 3/0488
(11) EP3153960
(21) EP16190536.9
(47) 11.09.2019
(22) 05.04.2011
(54) ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME
(73) BlackBerry Limited
2236008 Ontario Inc.
(72) Mak, Genevieve Elizabeth
Dodge, Danny Thomas
Staikos, George Ross

(51) G06F 3/0488
(11) EP2786227
(21) EP12853539.0
(47) 11.09.2019
(87) US2012066564
06.06.2013
(22) 27.11.2012
(54) APPLICATION PROGRAMMING INTERFACE FOR A MULTI-POINTER INDIRECT TOUCH INPUT DEVICE
(73) Microsoft Technology Licensing, LLC
(72) HONJI, Scott
MILLSAP, Paul
KANEKO, Masahiko
HEBENSTREIT, Eric
DESCAMP, Marc
(31) 201113306989
(32) 30.11.2011
(33) United States of America

(51) G06F 3/0488
G03G 15/00
G06F 9/451
G06F 3/0481
H04N 1/00
(11) EP2720131
(21) EP13187671.6
(47) 11.09.2019
(22) 08.10.2013
(54) Image processing device, non-transitory computer readable recording medium and operational event determining method
(73) Konica Minolta, Inc.
(72) Komaba, Kenichi
Matsuda, Hideyuki
Kurumasa, Yoichi
Narimatu, Eiichi
Okada, Takuya

Tomiyasu, Kazuhiro
(31) 2012224891
(32) 10.10.2012
(33) Japan

(51) G06F 3/0488
G06F 3/01
(11) EP3185116
(21) EP17153418.3
(47) 11.09.2019
(22) 08.05.2013
(54) DEVICE, METHOD AND GRAPHICAL USER INTERFACE FOR PROVIDING TACTILE FEEDBACK FOR OPERATIONS PERFORMED IN A USER INTERFACE
(73) Apple Inc.
(72) BERNSTEIN, Jeffrey Traer
MISSIG, Julian
CIEPLINSKI, Avi E
KHOE, May-Li
COSTANZO, Bianca C
ROTH, Rachel A
EVANS, Matthew
ROBERTS, Samuel M
(31) 201261688227 P
201261747278 P
201361778284 P
(32) 09.05.2012
29.12.2012
12.03.2013
(33) United States of America
United States of America
United States of America

(51) G06F 3/0488
G06F 3/01
G06F 9/451
G06F 17/24
G06F 17/28
G10L 15/00
G06F 17/27
(11) EP2778879
(21) EP14000327.8
(47) 11.09.2019
(22) 29.01.2014
(54) Mobile terminal and modified keypad with corresponding method
(73) LG Electronics Inc.
(72) Kim, Mina
Kwak, Byoungjoo
Song, Hosung
Lee, Keansub
(31) 20130028211
(32) 15.03.2013
(33) Korea (Republic)

(51) G06F 3/0488
G06F 3/023
H04M 1/725
G06F 9/451
(11) EP2924552
(21) EP15151319.9
(47) 11.09.2019
(22) 15.01.2015
(54) Method and mobile terminal for executing user instructions
(73) Xiaomi Inc.
(72) Tang, Mu
Gao, Sitai
Zhang, Xibei
Ye, Hao
(31) 201410130773
(32) 28.03.2014
(33) China

(51) G06F 3/0488
G06F 3/048
G06F 3/041
(11) EP2866129
(21) EP13806195.7
(47) 11.09.2019
(87) CN2013076084
27.12.2013
(22) 22.05.2013
(54) CURSOR DISPLAY POSITION DETERMINATION METHOD AND DEVICE
(73) ZTE Corporation
(72) CHEN, Cong
FANG, Fangming
LI, Hujun
CHEN, Hua
(31) 201210205397
(32) 20.06.2012
(33) China

(51) G06F 3/0488
G06F 3/0481
(11) EP2450781
(21) EP11187713.0
(47) 11.09.2019
(22) 03.11.2011
(54) Mobile terminal and screen change control method based on input signals for the same
(73) Samsung Electronics Co., Ltd.
(72) Baek, Sung Hwan
Choe, Joon Yeong
(31) 409667 P
20110085168
(32) 03.11.2010
25.08.2011
(33) United States of America
Korea (Republic)

(51) G06F 3/0488
G06F 3/0481
G06F 3/0484
H04L 9/32
G06F 21/32
(11) EP3223129
(21) EP15861186.3
(47) 11.09.2019
(87) JP2015082164
26.05.2016
(22) 16.11.2015
(54) OPERATING DEVICE AND OPERATING METHOD
(73) KYOCERA Document Solutions Inc.
(72) OKABAYASHI, Yoshifumi
(31) 2014236413
(32) 21.11.2014
(33) Japan

(51) G06F 3/0488
G06F 3/0484
(11) EP2827238
(21) EP14177729.2
(47) 11.09.2019
(22) 18.07.2014
(54) Actionable user input on displayed items
(73) BlackBerry Limited
(72) Stahl, Jonathan
Ainalem, Mikael
Sandström, Henrik
(31) 201313946413
(32) 19.07.2013
(33) United States of America

(51) G06F 3/0488
G06F 3/0484
G06F 3/041
H04N 21/414
H04N 21/81
H04N 21/432
H04N 21/472
G11B 27/10
G11B 27/34
G11B 27/00
(11) EP3158426
(21) EP15736088.4
(47) 11.09.2019
(87) US2015036516
23.12.2015
(22) 18.06.2015
(54) METHODS, SYSTEMS AND MEDIA FOR CONTROLLING PLAYBACK OF VIDEO USING A TOUCHSCREEN
(73) Google LLC
(72) CHECKLEY, Garen
GIBSON, James Bryce
(31) 201462014089 P
(32) 18.06.2014
(33) United States of America

(51) G06F 3/0488
G06F 3/0489
(11) EP3047365
(21) EP14776956.6
(47) 11.09.2019
(87) US2014055286
19.03.2015
(22) 12.09.2014
(54) HOVER CONTROLLED USER INTERFACE ELEMENT
(73) Microsoft Technology Licensing, LLC
(72) DAI, Lynn
HSU, Bo June
QUAN, Raymond
BADGER, Eric
RODRIGUEZ, Jose
DAVIS, Peter
HWANG, Dan
(31) 201314027533
(32) 16.09.2013
(33) United States of America

(51) G06F 3/0488
G06F 3/147
G06F 3/14
G09G 5/36
(11) EP2824562
(21) EP14176201.3
(47) 11.09.2019
(22) 08.07.2014
(54) Method and apparatus to reduce display lag of soft keyboard presses
(73) Samsung Display Co., Ltd.
(72) Xiong, Wei
Seto, Frank
(31) 201361843890 P
201414303457
(32) 08.07.2013
12.06.2014
(33) United States of America

United States of America

(51) G06F 3/06
G06F 1/16
G06F 13/32
H04L 29/06
(11) EP3296836
(21) EP15898652.1
(47) 11.09.2019
(87) CN2015084816
26.01.2017
(22) 22.07.2015
(54) COMPUTER DEVICE AND DATA READ-WRITE METHOD FOR COMPUTER DEVICE
(73) Huawei Technologies Co., Ltd.
(72) CHEN, Yun
WANG, Haibin
GU, Xiongli
CUI, Xiaosong

(51) G06F 3/12
(11) EP2416237
(21) EP11172658.4
(47) 11.09.2019
(22) 05.07.2011
(54) Information processing apparatus, control method therefor, and program
(73) Canon Kabushiki Kaisha
(72) Mori, Namihiro
(31) 2010176706
2011138895
(32) 05.08.2010
22.06.2011
(33) Japan
Japan

(51) G06F 3/14
G06Q 10/10
G09G 5/12
H04L 12/18
H04L 29/06
H04M 3/56
H04N 7/15
(11) EP3048524
(21) EP16151840.2
(47) 11.09.2019
(22) 19.01.2016
(54) DOCUMENT DISPLAY SUPPORT DEVICE, TERMINAL, DOCUMENT DISPLAY METHOD, AND COMPUTER-READABLE STORAGE MEDIUM FOR COMPUTER PROGRAM
(73) Konica Minolta, Inc.
(72) Moriwaki, Kagumi
Ogino, Shinya
Takamura, Shunsuke
Takeuchi, Kazuma
Hoshino, Noriko
Tsubotani, Ikuko
Kawabuchi, Yoichi
(31) 2015009650
(32) 21.01.2015
(33) Japan

(51) G06F 3/147
(11) EP3020037
(21) EP14748327.5
(47) 11.09.2019
(87) US2014044481
15.01.2015
(22) 27.06.2014
(54) ACTIVE CABLE WITH DISPLAY
(73) Cisco Technology, Inc.
(72) LEMAISTRE, Patrick G.
(31) 201313938430
(32) 10.07.2013
(33) United States of America

(51) G06F 5/06
G06F 12/02
G06F 12/06
(11) EP3299965
(21) EP17192587.8
(47) 11.09.2019
(22) 22.09.2017
(54) METHOD AND PHYSICAL DEVICE FOR MANAGING LINKED LISTS
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) LU, Hui
(31) 201610848594
(32) 23.09.2016
(33) China

(51) G06F 7/00
G06F 3/06
G06F 12/02
(11) EP3103009
(21) EP15746233.4
(47) 11.09.2019
(87) US2015014320
13.08.2015
(22) 03.02.2015
(54) FLASH MEMORY COMPRESSION
(73) Micron Technology, Inc.
(72) LEE, Meng, Kun
THAKORE, Priyanka
(31) 201414173586
(32) 05.02.2014
(33) United States of America

(51) G06F 8/36
G06F 11/36
G06F 9/455
(11) EP2587367
(21) EP12188171.8
(47) 11.09.2019
(22) 11.10.2012
(54) Dynamically reconfigurable code execution architecture for building diagnostic algorithms
(73) Honeywell International Inc.
(72) Patankar, Ravindra
Iyer, Shreyas
Rachmalla, Sravan
Kadeppagari, Murali
(31) 201113280169
(32) 24.10.2011
(33) United States of America

(51) G06F 8/60
G06F 8/20
(11) EP2645244
(21) EP12161454.9
(47) 11.09.2019
(22) 27.03.2012
(54) Method and registry for enabling the enforcement of design-time policies during runtime in a service-oriented architecture
(73) Software AG
(72) Fiebig, Thorsten
Woods, Gary
Adelhardt, Daniel

(51) G06F 8/65
G06F 1/26
(11) EP2084591
(21) EP06816708.9
(47) 11.09.2019
(87) US2006039715
17.04.2008
(22) 10.10.2006
(54) UPDATING A POWER SUPPLY MICROCONTROLLER
(73) Google LLC
(72) KRIEGER, Ken
BORCHERS, Albert

(51) G06F 9/30
G06F 9/38
(11) EP2783280
(21) EP11876128.7
(47) 11.09.2019
(87) US2011061953
30.05.2013
(22) 22.11.2011
(54) AN ACCELERATED CODE OPTIMIZER FOR A MULTIENGINE MICROPROCESSOR
(73) Intel Corporation
(72) ABDALLAH, Mohammad

(51) G06F 9/32
G06F 9/30
G06F 9/38
(11) EP3118738
(21) EP16177445.0
(47) 11.09.2019
(22) 01.07.2016
(54) METHOD AND SYSTEM FOR PROCESSING INTERRUPTIBLE INSTRUCTIONS IN A MICROCONTROLLER
(73) NXP B.V.
(72) GUNTUR, Surendra
FABRIE, Sebastien Antonius Josephus
PINDEA DE GYVEZ, Jose
(31) 201514800952
(32) 16.07.2015
(33) United States of America

(51) G06F 9/38
G06F 12/06
G06F 12/08
(11) EP1550032
(21) EP03774703.7
(47) 11.09.2019
(87) US2003031961
22.04.2004
(22) 09.10.2003
(54) METHOD AND APPARATUS FOR THREAD-BASED MEMORY ACCESS IN A MULTITHREADED PROCESSOR
(73) Qualcomm Incorporated
(72) HOKENEK, Erdem
MOUDGILL, Mayan
GLOSSNER, John, c.
(31) 269247
(32) 11.10.2002
(33) United States of America

(51) G06F 9/44
G06F 8/41
G06F 8/51
G06F 8/53
(11) EP2223213

(21) EP08851908.7
(47) 11.09.2019
(87) AU2008001709
28.05.2009
(22) 17.11.2008
(54) MULTI LANGUAGE SOFTWARE CODE ANALYSIS
(73) Synopsys, Inc.
(72) HUUCK, Ralf
RAUCH, Felix
BLACKHAM, Bernhard
SEEFRIED, Sean
(31) 2007906350
(32) 20.11.2007
(33) Australia

(51) G06F 9/44
G06F 9/06
G06F 12/08
G06F 12/10
G06F 12/0862
G06F 12/1027
(11) EP2585916
(21) EP11798876.6
(47) 11.09.2019
(87) US2011041511
29.12.2011
(22) 22.06.2011
(54) REGION BASED TECHNIQUE FOR ACCURATELY PREDICTING MEMORY ACCESSES
(73) Intel Corporation
(72) SOARES, Livio
CHERUKURI, Naveen
KUMAR, Akhilesh
AZIMI, Mani
(31) 821935
(32) 23.06.2010
(33) United States of America

(51) G06F 9/44
G06F 11/30
G06F 11/34
(11) EP3213193
(21) EP15854905.5
(47) 11.09.2019
(87) US2015013873
06.05.2016
(22) 30.01.2015
(54) MONITORING AND CORRELATING A BINARY PROCESS IN A DISTRIBUTED BUSINESS TRANSACTION
(73) Cisco Technology, Inc.
(72) KUMAR, Pankaj
GUPTA, Amod
NAGARAJ, Sanjay
MARGULIS, Michael
(31) 201414530633
(32) 31.10.2014
(33) United States of America

(51) G06F 9/445
G06F 8/54
(11) EP2487585
(21) EP10827837.5
(47) 11.09.2019
(87) CN2010075368
12.05.2011
(22) 21.07.2010
(54) METHOD AND DEVICE FOR DYNAMICALLY LOADING RELOCATABLE FILE
(73) ZTE Corporation
(72) HE, Haijian
WU, Xiaohui
FAN, Wei
(31) 200910210623
(32) 04.11.2009
(33) China

(51) G06F 9/451
(11) EP2142982
(21) EP08730984.5
(47) 11.09.2019
(87) US2008055322
09.10.2008
(22) 28.02.2008
(54) REMOTING OF WINDOWS PRESENTATION FRAMEWORK BASED APPLICATIONS IN A NON-COMPOSED DESKTOP
(73) Microsoft Technology Licensing, LLC
(72) BRUGIOLO, Ivan
BLANCO, Leonardo
ABDO, Nadim
(31) 694510
(32) 30.03.2007
(33) United States of America

(51) G06F 9/451
G06F 3/0482
G06F 3/0483
H04L 12/58
G06F 9/448
G06F 3/0481
(11) EP2433219
(21) EP10778037.1
(47) 11.09.2019
(87) US2010001457
25.11.2010
(22) 17.05.2010
(54) DISPLAYING INFORMATION IN AN INSTANT MESSAGING APPLICATION
(73) Alibaba Group Holding Limited
(72) LI, Jing
TANG, Hongbing
(31) 200910202883
800302
(32) 21.05.2009
11.05.2010
(33) China
United States of America

(51) G06F 9/455
G06F 9/50
(11) EP2955630
(21) EP15169230.8
(47) 11.09.2019
(22) 26.05.2015
(54) SYSTEM AND METHOD FOR COORDINATING PROCESS AND MEMORY MANAGEMENT ACROSS DOMAINS
(73) BlackBerry Limited
2236008 Ontario Inc.
(72) Singh, Ravi
Major, Daniel Jonas
Nagarajan, Sivakumar
Goodman, Kevin Dennis
(31) 201414290378
(32) 29.05.2014
(33) United States of America

(51) G06F 9/455
G06F 11/34
G06F 17/50
(11) EP2629197
(21) EP10858384.0
(47) 11.09.2019
(87) JP2010067866
19.04.2012
(22) 12.10.2010
(54) SIMULATION DEVICE, METHOD, AND PROGRAM
(73) Fujitsu Limited
(72) IKE, Atsushi
THACH, David

(51) G06F 9/455
G06F 12/0802
G06F 12/084
G06F 12/0875
(11) EP3317764
(21) EP16745905.6
(47) 11.09.2019
(87) US2016040367
05.01.2017
(22) 30.06.2016
(54) DATA ACCESS ACCELERATOR
(73) Veritas Technologies LLC
(72) DALAL, Chirag
BHARADWAJ, Vaijayanti
(31) 2485MU2015
201514838669
(32) 30.06.2015
28.08.2015
(33) India
United States of America

(51) G06F 9/455
G06F 21/60
(11) EP2545448
(21) EP11753845.4
(47) 11.09.2019
(87) US2011027266
15.09.2011
(22) 04.03.2011
(54) TASK-BASED ACCESS CONTROL IN A VIRTUALIZATION ENVIRONMENT
(73) VMWare, Inc.
(72) ALBRECHT-BUEHLER, Conrad
(31) 311482 P
(32) 08.03.2010
(33) United States of America

(51) G06F 9/48
G06F 9/54
(11) EP3058481
(21) EP14787323.6
(47) 11.09.2019
(87) US2014058848
23.04.2015
(22) 02.10.2014
(54) ACCELERATION BASED ON CACHED FLOWS
(73) Google LLC
(72) FIEDEL, Noah
NELSON, Jeremy
(31) 201314055463
(32) 16.10.2013
(33) United States of America

(51) G06F 9/50
(11) EP3066568
(21) EP14816457.7
(47) 11.09.2019
(87) US2014059749
14.05.2015
(22) 08.10.2014
(54) SYSTEM AND METHOD FOR SUPPORTING EFFICIENT PACKET PROCESSING MODEL AND OPTIMIZED BUFFER UTILIZATION FOR PACKET PROCESSING IN A NETWORK ENVIRONMENT
(73) Oracle International Corporation
(72) SRINIVASAN, Arvind
SIDDABATHUNI, Ajoy
RODRIGUES, Elisa
(31) 201314072566
201314072597
(32) 05.11.2013
05.11.2013
(33) United States of America
United States of America

(51) G06F 9/50
(11) EP3140737
(21) EP15720505.5
(47) 11.09.2019
(87) US2015025273
12.11.2015
(22) 10.04.2015
(54) APPARATUS, SYSTEMS, AND METHODS OF ALLOCATING HETEROGENEOUS RESOURCES
(73) Siemens Aktiengesellschaft
(72) SWEENEY, Christopher M.
(31) 201414273001
(32) 08.05.2014
(33) United States of America

(51) G06F 9/50
G06F 9/455
(11) EP3206125
(21) EP15867762.5
(47) 11.09.2019
(87) CN2015093800
16.06.2016
(22) 04.11.2015
(54) RESOURCE MANAGEMENT METHOD, HOST, AND ENDPOINT
(73) Huawei Technologies Co. Ltd.
(72) YU, Baifeng
GU, Jiongjiong
LIN, Muhui
YU, Zhou
MAO, Lingzhi
(31) 201410745161
(32) 08.12.2014
(33) China

(51) G06F 9/50
G06F 12/08
G06F 3/06
(11) EP2919116
(21) EP13865932.1
(47) 11.09.2019
(87) CN2013083704
26.06.2014
(22) 18.09.2013
(54) GLOBAL MEMORY SHARING METHOD AND DEVICE AND COMMUNICATION SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) TAN, Chongkang
LU, Gang
ZHAN, Jianfeng
ZHANG, Lixin
(31) 201210548012
(32) 17.12.2012
(33) China

(51) G06F 9/50
G06F 15/02
(11) EP2733608
(21) EP13193558.7
(47) 11.09.2019
(22) 19.11.2013
(54) Controlling remote electronic device with wearable electronic device
(73) Samsung Electronics Co., Ltd
(72) Mistry, Pranav
Sadi, Sajid
Aumiller, Curtis Douglas
(31) 201261728765 P
201261728770 P
201261728773 P
201361773803 P
201361773813 P
201361773815 P
201361773817 P
201361775688 P
201361775687 P
201361775686 P
201314015947
(32) 20.11.2012
20.11.2012
20.11.2012
06.03.2013
07.03.2013
07.03.2013
07.03.2013
11.03.2013
11.03.2013
11.03.2013
30.08.2013
(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

(51) G06F 11/00
(11) EP3059676
(21) EP15155936.6
(47) 11.09.2019
(22) 20.02.2015
(54) A method and apparatus for analyzing the availability of a system, in particular of a safety critical system
(73) Siemens Aktiengesellschaft
(72) Höfig, Kai, Dr.

(51) G06F 11/00
G06F 11/36
G06F 9/455
G06F 21/53
H04L 29/06
G06F 21/56
G06F 21/55
(11) EP2774039
(21) EP12845692.8
(47) 11.09.2019
(87) US2012063569
10.05.2013
(22) 05.11.2012
(54) SYSTEMS AND METHODS FOR VIRTUALIZED MALWARE DETECTION
(73) Cyphort Inc.
(72) GOLSHAN, Ali
BINDER, James, S.
(31) 201113288905
201113288917
(32) 03.11.2011
03.11.2011
(33) United States of America
United States of America

(51) G06F 11/07
G06F 11/14
(11) EP2284704
(21) EP10170502.8
(47) 11.09.2019
(22) 22.07.2010
(54) Information processing apparatus, method, and control program for determinnig the suitable monitoring time corresponding to a selected mode of processing
(73) CANON KABUSHIKI KAISHA
(72) Takatani, Tamotsu
(31) 2009178770
(32) 31.07.2009
(33) Japan

(51) G06F 11/08
G06F 11/10
(11) EP3404546
(21) EP17171364.7
(47) 11.09.2019
(22) 16.05.2017
(54) DEVICE FOR SUPERVISING AND INITIALIZING PORTS
(73) Melexis Technologies NV
(72) HEROUX, Benoit
LAUGIER, Philippe
FREITAG, Thomas

(51) G06F 11/14
G06F 11/20
(11) EP3230864
(21) EP15816984.7
(47) 11.09.2019
(87) US2015063432
16.06.2016
(22) 02.12.2015
(54) CLOUD ALERT TO REPLICA
(73) Pure Storage, Inc.
(72) MILLER, Ethan L.
BOROWIEC, Benjamin
HODGSON, Steve
(31) 201414567990
(32) 11.12.2014
(33) United States of America

(51) G06F 11/20
H04L 29/08
(11) EP2791802

(21) EP12808977.8
(47) 11.09.2019
(87) US2012067502
20.06.2013
(22) 02.12.2012
(54) SYSTEM AND METHOD FOR NON-DISRUPTIVE MANAGEMENT OF SERVERS IN A NETWORK ENVIRONMENT
(73) Cisco Technology, Inc.
(72) FENG, Chao
SHARMA, Samar
DESAI, Ronak
QU, Diheng
(31) 201113329023
(32) 16.12.2011
(33) United States of America

(51) G06F 11/22
G06F 7/499
G06F 7/527
G06F 7/57
(11) EP2899636
(21) EP15159168.2
(47) 11.09.2019
(22) 20.07.2010
(54) A method for testing an Arithmetic logic unit
(73) Honeywell International Inc.
(72) Bickler, Jason
Brack, Karen
(31) 509121
(32) 24.07.2009
(33) United States of America

(51) G06F 11/32
G06F 11/30
G06F 11/34
H04L 12/26
H04L 29/06
H04L 12/24
H04L 29/08
(11) EP3316139
(21) EP17198147.5
(47) 11.09.2019
(22) 24.10.2017
(54) UNIFIED MONITORING FLOW MAP
(73) Cisco Technology, Inc.
(72) NAOUS, Jad
YUAN, Steven
(31) 201615338451
(32) 31.10.2016
(33) United States of America

(51) G06F 11/34
(11) EP2759938
(21) EP12833105.5
(47) 11.09.2019
(87) JP2012074313
28.03.2013
(22) 14.09.2012
(54) OPERATIONS MANAGEMENT DEVICE, OPERATIONS MANAGEMENT METHOD, AND PROGRAM
(73) NEC Corporation
(72) HIGUCHI, Yuta
(31) 2011203980
(32) 19.09.2011
(33) Japan

(51) G06F 11/34
G06Q 50/10
G06F 11/07
(11) EP3239840
(21) EP15872594.5
(47) 11.09.2019
(87) JP2015083077
30.06.2016
(22) 25.11.2015
(54) FAULT INFORMATION PROVISION SERVER AND FAULT INFORMATION PROVISION METHOD
(73) Clarion Co., Ltd.
(72) SOBUE, Tsuneo
NAGAI, Yasushi
ENDOU, Hiroyoshi
TSURUSU, Kyousuke
OSAFUNE, Tatsuaki
(31) 2014262091
(32) 25.12.2014
(33) Japan

(51) G06F 12/02
(11) EP3309685
(21) EP16843508.9
(47) 11.09.2019
(87) CN2016087705
16.03.2017
(22) 29.06.2016
(54) METHOD AND APPARATUS FOR WRITING DATA TO CACHE
(73) Huawei Technologies Co., Ltd.
(72) HUANG, Futang
(31) 201510568241
(32) 08.09.2015
(33) China

(51) G06F 12/14
G06F 9/455
G06F 8/52
G06F 9/445
(11) EP2764434
(21) EP12838053.2
(47) 11.09.2019
(87) US2012000486
11.04.2013
(22) 03.10.2012
(54) SECURITY IN VIRTUALIZED COMPUTER PROGRAMS
(73) Cisco Technology, Inc.
(72) EPSTEIN, Joe
(31) 201161542786 P
(32) 03.10.2011
(33) United States of America

(51) G06F 13/00
G06F 3/0481
G06F 3/0482
H04M 1/247
H04M 3/56
H04M 1/2745
H04M 19/04
H04M 3/42
G06F 3/0485
(11) EP2951704
(21) EP14746029.9
(47) 11.09.2019
(87) JP2014052179
07.08.2014
(22) 24.01.2014
(54) INFORMATION PROCESSING TERMINAL, INFORMATION PROCESSING METHOD, AND PROGRAM
(73) Ricoh Company, Ltd.
(72) MIHARA, Akihiro
AONO, Yoshiko
(31) 2013015919
(32) 30.01.2013
(33) Japan

(51) G06F 13/40
(11) EP2685387
(21) EP13176151.2
(47) 11.09.2019
(22) 11.07.2013
(54) Secure peripheral connecting device
(73) High Sec Labs Ltd.
(72) SOFFER, Aviv
(31) 201213548340
(32) 13.07.2012
(33) United States of America

(51) G06F 13/40
G06F 21/60
H04L 29/06
(11) EP3040873
(21) EP15200836.3
(47) 11.09.2019
(22) 17.12.2015
(54) CONFIGURABLE ELECTRONIC SYSTEM OF TRANSFER OF DATA AND ASSOCIATED CONFIGURATION METHOD
(73) THALES
(72) THABUTEAU, Simon
(31) 1402887
(32) 17.12.2014
(33) France

(51) G06F 13/42
(11) EP3051424
(21) EP16152898.9
(47) 11.09.2019
(22) 27.01.2016
(54) TRANSITION ENFORCING CODING RECEIVER FOR SAMPLING VECTOR SIGNALS WITHOUT USING CLOCK AND DATA RECOVERY
(73) MediaTek Inc.
(72) CHANG, Ching-Hsiang
(31) 201562108626 P
201615005016
(32) 28.01.2015
25.01.2016
(33) United States of America
United States of America

(51) G06F 15/16
H04L 12/58
(11) EP1982266
(21) EP06844501.4
(47) 11.09.2019
(87) US2006045174
16.08.2007
(22) 22.11.2006
(54) MESSAGING SYSTEM WITH CONTENT-BASED DYNAMIC MENU GENERATION
(73) Cisco Technology, Inc.
(72) PATEL, Labhesh
KUMAR, Sanjeev
JAIN, Mukul
KHOURI, Joseph, F.
(31) 346410
(32) 02.02.2006

(33) United States of America

(51) G06F 15/16
H04L 12/58
H04L 29/06
H04L 29/08
(11) EP3051427
(21) EP16160519.1
(47) 11.09.2019
(22) 13.03.2002
(54) SEPARATION OF INSTANT MESSAGING USER AND CLIENT IDENTITIES
(73) Nokia Technologies Oy
(72) Salmi, Matti
Dawson, Frank
(31) 275679 P
276004 P
276167 P
276273 P
(32) 14.03.2001
15.03.2001
15.03.2001
15.03.2001
(33) United States of America
United States of America
United States of America
United States of America

(51) G06F 16/00
(11) EP2558962
(21) EP11717824.4
(47) 11.09.2019
(87) US2011032067
20.10.2011
(22) 12.04.2011
(54) RICH BROWSER-BASED WORD PROCESSOR
(73) Google LLC
(72) LEMONIK, Micah
BELOMESTNYKH, Olga, S.
RAVI, Janani, R.
PEREIRA FILHO, Luiz, A., F.
(31) 323242 P
(32) 12.04.2010
(33) United States of America

(51) G06F 16/20
G06F 16/25
H04L 29/08
G06F 21/41
G06Q 10/06
G06Q 40/00
H04L 29/06
G06F 21/62
(11) EP1358572
(21) EP01988398.2
(47) 11.09.2019
(87) US2001050296
04.07.2002
(22) 21.12.2001
(54) SUPPORT FOR MULTIPLE DATA STORES
(73) Oracle International Corporation
(72) LEE, Chi-Cheng
TSANG, Andy, M.
REMAHL, Thomas, B.
(31) 258087 P
285524 P
998908
(32) 22.12.2000
20.04.2001
30.11.2001
(33) United States of America
United States of America
United States of America

(51) G06F 16/21
G06F 9/445
(11) EP2596442
(21) EP11738562.5
(47) 11.09.2019
(87) US2011044706
26.01.2012
(22) 20.07.2011
(54) ENCODING A SCHEMA VERSION IN TABLE NAMES FOR VERIFICATION OF A DATABASE SCHEMA VERSION
(73) Google LLC
(72) BOLOHAN, Matthew
KROEGER, Robert
(31) 842771
(32) 23.07.2010
(33) United States of America

(51) G06F 16/2455
(11) EP2469423
(21) EP11004931.9
(47) 11.09.2019
(22) 16.06.2011
(54) AGGREGATION IN PARALLEL COMPUTATION ENVIRONMENTS WITH SHARED MEMORY
(73) SAP SE
(72) Transier, Frederik
Mathis, Christian
Bohnsack, Nico
Stammerjohann, Kai
Sanders, Peter
Müller, Ingo
(31) 978194
(32) 23.12.2010
(33) United States of America

(51) G06F 16/2458
G06F 16/2455
G06Q 10/00
(11) EP2466495
(21) EP11152340.3
(47) 11.09.2019
(22) 27.01.2011
(54) Systems and/or methods for event stream deviation detection
(73) Software AG
(72) Cammert, Michael
Heinz, Christoph
Krämer, Jürgen
Riemenschneider, Tobias
(31) 971459
(32) 17.12.2010
(33) United States of America

(51) G06F 16/27
(11) EP3230901
(21) EP15807771.9
(47) 11.09.2019
(87) US2015062881
16.06.2016
(22) 30.11.2015
(54) CONTEXT-DRIVEN MULTI-USER COMMUNICATION
(73) Microsoft Technology Licensing, LLC
(72) HARDIN, David Alan
(31) 201414569575
(32) 12.12.2014
(33) United States of America

(51) G06F 16/27
H04L 29/08
G06F 11/16
G06F 16/23
G06F 16/178
(11) EP3380953
(21) EP16798538.1
(47) 11.09.2019
(87) EP2016078464
01.06.2017
(22) 22.11.2016
(54) DATA SYNCHRONIZATION IN A DISTRIBUTED DATA STORAGE SYSTEM
(73) T2 Data AB
(72) EKBOM, Mikael
(31) 1551528
(32) 24.11.2015
(33) Sweden

(51) G06F 16/435
G06Q 30/02
G06Q 10/02
H04B 7/26
G06Q 50/30
(11) EP2394226
(21) EP10700039.0
(47) 11.09.2019
(87) US2010020279
12.08.2010
(22) 06.01.2010
(54) PORTABLE ELECTRONIC DEVICE WITH PROXIMITY-BASED CONTENT SYNCHRONIZATION
(73) Apple Inc.
(72) DORSEY, John, G.
(31) 422196
151125 P
(32) 10.04.2009
09.02.2009
(33) United States of America
United States of America

(51) G06F 16/58
G16H 30/20
(11) EP2176799
(21) EP08789438.2
(47) 11.09.2019
(87) IB2008052983
05.02.2009
(22) 25.07.2008
(54) ACCESSING MEDICAL IMAGE DETABASES USING MEDICALLY RELEVANT TERMS
(73) Koninklijke Philips N.V.
(72) WEESE, Juergen
LEHMANN, Helko
QIAN, Yuechen
KATE, Warner, Rudolph, Theophile, Ten
(31) 200710138409
(32) 01.08.2007
(33) China

(51) G06F 16/68
(11) EP3053064
(21) EP14849768.8
(47) 11.09.2019
(87) US2014055597
02.04.2015

(22) 15.09.2014
(54) AUDIO CONTENT SEARCH IN A MEDIA PLAYBACK SYSTEM
(73) Sonos, Inc.
(72) BATES, Paul Andrew
(31) 201314041891
(32) 30.09.2013
(33) United States of America

(51) G06F 16/903
G09C 1/00
H04L 9/06
G06F 16/00
(11) EP3373504
(21) EP16886243.1
(47) 11.09.2019
(87) JP2016051244
27.07.2017
(22) 18.01.2016
(54) ENCRYPTION DEVICE, RETRIEVAL DEVICE, ENCRYPTION PROGRAM, RETRIEVAL PROGRAM, ENCRYPTION METHOD, AND RETRIEVAL METHOD
(73) Mitsubishi Electric Corporation
(72) KAWAI, Yutaka
HIRANO, Takato

(51) G06F 16/957
(11) EP1828934
(21) EP05823145.7
(47) 11.09.2019
(87) US2005040387
15.06.2006
(22) 08.11.2005
(54) PREDICTIVE INFORMATION RETRIEVAL
(73) Google LLC
(72) BALUJA, Shumeet
ROWLEY, Henry
(31) 4499
(32) 03.12.2004
(33) United States of America

(51) G06F 17/00
G06Q 10/10
G06Q 30/02
G11B 27/034
H04N 5/445
H04N 21/45
H04N 21/472
H04N 21/4788
H04N 21/81
H04N 21/854
G06F 16/735
G06F 16/2455
(11) EP2864954
(21) EP13810611.7
(47) 11.09.2019
(87) US2013041909
03.01.2014
(22) 20.05.2013
(54) VIDEO CREATION MARKETPLACE
(73) Google LLC
(72) SHACKLETON, Lane
SOLDO, Fabio
FIRST, Andrew
RANGARAJAN, Anand
OGUNGBADERO, JessicaKate
(31) 201213533786
(32) 26.06.2012
(33) United States of America

(51) G06F 17/17
G06T 17/30
G01N 21/25
G06T 9/00
G06T 7/90
(11) EP2304601
(21) EP09765272.1
(47) 11.09.2019
(87) AU2009000793
23.12.2009
(22) 19.06.2009
(54) COMPACT REPRESENTATION OF A REFLECTANCE SPECTRUM
(73) National ICT Australia Limited
(72) ROBLES-KELLY, Antonio
HUYNH, Cong Phuoc
(31) 2008903138
(32) 20.06.2008
(33) Australia

(51) G06F 17/21
(11) EP2805258
(21) EP13738589.4
(47) 11.09.2019
(87) US2013021089
25.07.2013
(22) 11.01.2013
(54) LOW RESOLUTION PLACEHOLDER CONTENT FOR DOCUMENT NAVIGATION
(73) Microsoft Technology Licensing, LLC
(72) BUNKER, Benjamin, J.
HIMBERGER, Andrew
BORYSENKO, Michael, I.
FREM, Peter
PERKINS, Daniel
(31) 201213350838
(32) 16.01.2012
(33) United States of America

(51) G06F 17/21
G06F 16/957
(11) EP2930631
(21) EP15161783.4
(47) 11.09.2019
(22) 30.03.2015
(54) METHOD AND APPARATUS FOR CONTENT OUTPUT
(73) Samsung Electronics Co., Ltd
(72) Kim, Ji Hyun
Sung, Jung Sic
Lee, Chul Hwan
Kim, Jeong Hun
Park, Ji Hea
Song, Se Jun
Lee, Yo Han
Choi, Young Keun
(31) 20140038449
(32) 01.04.2014
(33) Korea (Republic)

(51) G06F 17/24
G06F 17/22
(11) EP2635977
(21) EP11784859.8
(47) 11.09.2019
(87) US2011058607
10.05.2012
(22) 31.10.2011
(54) REALTIME SYNCHRONIZED DOCUMENT EDITING BY MULTIPLE USERS FOR BLOGGING
(73) Google LLC
(72) GREENSPAN, David, L.
IBA, Aaron, Benjamin
ZAMFIRESCU-PEREIRA, John, D.
(31) 409488 P
(32) 02.11.2010
(33) United States of America

(51) G06F 17/50
(11) EP2626800
(21) EP13154771.3
(47) 11.09.2019
(22) 11.02.2013
(54) Configuring a programmable device using high-level language
(73) Altera Corporation
(72) Chen, Doris Tzu-Lang
Singh, Deshanand
(31) 201213369836
(32) 09.02.2012
(33) United States of America

(51) G06F 19/28
G06F 17/30
G06F 9/06
G06F 17/40
G06F 9/30
(11) EP2795488
(21) EP12859388.6
(47) 11.09.2019
(87) US2012070945
27.06.2013
(22) 20.12.2012
(54) COMPRESSING, STORING AND SEARCHING SEQUENCE DATA
(73) Baym, Michael H.
Leighton, Bonnie Berger
Loh, Po-Ru
(72) Baym, Michael H.
Leighton, Bonnie Berger
Loh, Po-Ru
(31) 201161578088 P
(32) 20.12.2011
(33) United States of America

(51) G06F 21/10
G06F 21/12
H04L 29/06
(11) EP2942726
(21) EP14305657.0
(47) 11.09.2019
(22) 05.05.2014
(54) METHOD AND DEVICE FOR CONTROLLING THE USE OF APPLICATIONS BY ITEMS OF COMMUNICATION EQUIPMENT CONNECTED TO A PRIVATE NETWORK
(73) Alcatel Lucent
(72) Bletterie, Philippe
Abou-Chakra, Rabih

(51) G06F 21/31
(11) EP2966585
(21) EP14002411.8
(47) 11.09.2019
(22) 11.07.2014
(54) Method and system for initiating a login of a user
(73) Unify GmbH & Co. KG

(72) Giatilis, Vasileios
Lampros, Pappas

(51) G06F 21/32
G06F 21/31
G06F 21/34
G06F 21/44
(11) EP2959420
(21) EP14714760.7
(47) 11.09.2019
(87) GB2014050503
28.08.2014
(22) 20.02.2014
(54) METHODS, APPARATUS AND COMPUTER PROGRAMS FOR ENTITY AUTHENTICATION
(73) Simmonds, Paul
(72) Simmonds, Paul
(31) 201361767916 P
(32) 22.02.2013
(33) United States of America

(51) G06F 21/32
G06F 21/36
G06F 21/88
H04L 29/06
(11) EP2352321
(21) EP08877663.8
(47) 11.09.2019
(87) CN2008072891
06.05.2010
(22) 31.10.2008
(54) METHOD AND APPARATUS FOR AUTHENTICATION PROCESSING OF MOBILE TERMINAL
(73) ZTE Corporation
(72) JIN, Chongting
LIU, Zhengrong
GUO, Qicheng

(51) G06F 21/51
G06F 21/57
(11) EP3163489
(21) EP15200608.6
(47) 11.09.2019
(22) 16.12.2015
(54) TOKEN-BASED CONTROL OF SOFTWARE INSTALLATION AND OPERATION
(73) BlackBerry Limited
(72) MAJOR, Daniel Jonas
ALIEVSKY, Michael
TURNER, Robert David
SCHIEMAN, Adam Richard
(31) 201562247148 P
201514928515
(32) 27.10.2015
30.10.2015
(33) United States of America
United States of America

(51) G06F 21/53
G06F 21/62
G06F 21/78
G06F 9/455
(11) EP2494435
(21) EP09850673.6
(47) 11.09.2019
(87) US2009061681
28.04.2011
(22) 22.10.2009
(54) VIRTUALIZED MIGRATION CONTROL

(73) Hewlett-Packard Development Company, L.P.
(72) HARRISON, Keith
BROWN, Richard
DALTON, Chris I.

(51) G06F 21/55
G06F 16/2452
(11) EP2521049
(21) EP12160070.4
(47) 11.09.2019
(22) 19.03.2012
(54) Methods and systems for validating input data
(73) The Boeing Company
(72) Li, Mingyan
Wang, Changzhou
(31) 201113101251
(32) 05.05.2011
(33) United States of America

(51) G06F 21/56
(11) EP2942728
(21) EP15165071.0
(47) 11.09.2019
(22) 24.04.2015
(54) SYSTEMS AND METHODS OF ANALYZING A SOFTWARE COMPONENT
(73) The Boeing Company
(72) Kospiah, Shaun S.
Grubel, Brian C.
Snare, Brett W.
(31) 201414266674
(32) 30.04.2014
(33) United States of America

(51) G06F 21/57
(11) EP2132675
(21) EP08731576.8
(47) 11.09.2019
(87) US2008056088
12.09.2008
(22) 06.03.2008
(54) SYSTEM AND METHOD FOR PROVIDING APPLICATION PENETRATION TESTING
(73) Help/Systems, LLC
(72) SOLINO TESTA, Alberto, Gustavo
RICHARTE, Gerardo, Gabriel
RUSS, Fernando, Federico
KELYACOUBIAN, Diego, Marin
FUTORANSKY, Ariel
TISCORNIA, Diego, Bartolome
WAISSBEIN, Ariel
MANRIQUE, Hector, Adrian
DE ACHA CAMPOS, Javier, Ricardo
ARIAS, Eduardo
CUFRE, Sebastian, Pablo
BRZOSTOWSKI, Axel, Elian
(31) 905253 P
(32) 06.03.2007
(33) United States of America

(51) G06F 21/57
H04W 4/00
H04W 12/10
(11) EP3152650
(21) EP15803779.6
(47) 11.09.2019
(87) US2015034044
10.12.2015
(22) 03.06.2015
(54) HIGH-SPEED APPLICATION FOR INSTALLATION ON MOBILE DEVICES FOR PERMITTING REMOTE CONFIGURATION OF SUCH MOBILE DEVICES
(73) Samsung Electronics Co., Ltd.
(72) BRITTON, Douglas
WESIE, Andrew, Michael
PAK, Brian, Sejoon
(31) 201462007078 P
(32) 03.06.2014
(33) United States of America

(51) G06F 21/60
G06F 21/44
G06F 8/65
(11) EP3022678
(21) EP14732887.6
(47) 11.09.2019
(87) EP2014063501
22.01.2015
(22) 26.06.2014
(54) METHOD FOR TRANSFERRING USER DATA BETWEEN TWO INSTANCES OF AN APPLICATION
(73) Thales Dis France SA
(72) CHEN, Yuexi
LEMAIRE, François
VENOT, Claire
RATIER, Patrick
(31) 13306013
(32) 16.07.2013
(33) European Patent Office (EPO)

(51) G06F 21/60
G06F 21/62
H04L 29/06
G06F 3/0481
(11) EP3188072
(21) EP16207055.1
(47) 11.09.2019
(22) 28.12.2016
(54) SYSTEMS AND METHODS FOR AUTOMATIC AND CUSTOMIZABLE DATA MINIMIZATION OF ELECTRONIC DATA STORES
(73) Palantir Technologies, Inc.
(72) Erickson, Kyle
Miyake, Nicholas
Alessi, Dominique
(31) 201562272624 P
201615071064
(32) 29.12.2015
15.03.2016
(33) United States of America
United States of America

(51) G06F 21/60
G06F 21/62
H04L 29/06
H04L 29/08
(11) EP3129912
(21) EP15777161.9
(47) 11.09.2019
(87) US2015025419
15.10.2015
(22) 10.04.2015
(54) METHOD AND SYSTEM FOR SECURING DATA
(73) Atomizer Group, LLC

(72) PARKER, Eric
YOUNGEN, Ralph
(31) 201461977830 P
201562102266 P
(32) 10.04.2014
12.01.2015
(33) United States of America
United States of America

(51) G06F 21/60
G06F 21/72
G06F 21/12
G06F 21/14
(11) EP3111355
(21) EP15706462.7
(47) 11.09.2019
(87) EP2015053773
03.09.2015
(22) 24.02.2015
(54) METHOD FOR PROTECTING A COMPUTER PROGRAM FROM BEING INFLUENCED, AND COMPUTER SYSTEM
(73) Wibu-Systems AG
(72) WICHMANN, Peer
WINZENRIED, Oliver
KÜGLER, Rüdiger
(31) 14157177
14180795
(32) 28.02.2014
13.08.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G06F 21/62
(11) EP2851835
(21) EP14002658.4
(47) 11.09.2019
(22) 30.07.2014
(54) INFORMATION PROCESSING APPARATUS AND METHOD FOR CONTROLLING THE SAME, AND PROGRAM
(73) Canon Kabushiki Kaisha
(72) Fujii, Manabu
(31) 2013197507
(32) 24.09.2013
(33) Japan

(51) G06F 21/71
G06F 12/14
H04L 9/32
G06F 9/30
(11) EP3025266
(21) EP14829313.7
(47) 11.09.2019
(87) US2014046667
29.01.2015
(22) 15.07.2014
(54) MEASURING A SECURE ENCLAVE
(73) Intel Corporation
(72) ROZAS, Carlos V.
ANATI, Ittai
GERZON, Gideon
GUERON, Shay
JOHNSON, Simon P.
MCKEEN, Francis X.
SAVAGAONKAR, Uday R.
SCARLATA, Vincent R.
(31) 201313949110
(32) 23.07.2013
(33) United States of America

(51) G06F 21/72
H04L 9/00
G09C 1/00
G06F 21/75
H03K 19/177
(11) EP3005219
(21) EP14710108.3
(47) 11.09.2019
(87) US2014017369
04.12.2014
(22) 20.02.2014
(54) CHARGE DISTRIBUTION CONTROL FOR SECURE SYSTEMS
(73) Chaologix, Inc.
(72) YANNETTE, Daniel, F.
MYERS, Brent, Arnold
(31) 201313906542
201414184088
(32) 31.05.2013
19.02.2014
(33) United States of America
United States of America

(51) G06F 21/73
H04L 9/06
G06F 7/58
(11) EP2433242
(21) EP10721333.2
(47) 11.09.2019
(87) EP2010003089
25.11.2010
(22) 19.05.2010
(54) USE OF A STRING OF CHARACTERS IN SYSTEMS OF CRYPTOGRAPHY, STATISTICS, SIMULATION, RANDOMIZATION, GAMING MACHINES AND THE LIKE
(73) Jentzsch, Rolf
Feustel, Dietmar
Topf, Birgit
(72) JENTZSCH, Rolf
(31) 102009022233
(32) 20.05.2009
(33) Germany

(51) G06F 21/77
G06Q 20/30
(11) EP3261014
(21) EP17176679.3
(47) 11.09.2019
(22) 19.06.2017
(54) METHOD FOR SENDING SECURITY INFORMATION
(73) IDEMIA France
(72) CHAMBEROT, Francis
VAURES, Pierre
(31) 1655732
(32) 20.06.2016
(33) France

(51) G06F 21/85
(11) EP2958047
(21) EP15172317.8
(47) 11.09.2019
(22) 16.06.2015
(54) USB SECURITY GATEWAY
(73) High Sec Labs Ltd.
(72) SOFFER, Aviv
(31) 201414306352
(32) 17.06.2014
(33) United States of America

(51) G06G 7/00
H01P 1/00
H03F 3/00
H02J 15/00
(11) EP3264318
(21) EP17182969.0
(47) 11.09.2019
(22) 08.02.2006
(54) SYSTEM AND METHOD FOR POWER SMOOTHING IN POWER DISTRIBUTION
(73) CPG Technologies, LLC
(72) Corum, James F.
(31) 62035
69476
(32) 18.02.2005
01.03.2005
(33) United States of America
United States of America

(51) G06K 7/10
(11) EP2212827
(21) EP08838877.2
(47) 11.09.2019
(87) US2008079937
23.04.2009
(22) 15.10.2008
(54) DIMENSIONING AND BARCODE READING SYSTEM
(73) Accu-Sort System, Inc.
(72) REYNOLDS, Edward
HATTON, Edward
PATEL, Mehul
(31) 980360 P
(32) 16.10.2007
(33) United States of America

(51) G06K 7/10
G02B 7/00
(11) EP3264320
(21) EP17178869.8
(47) 11.09.2019
(22) 29.06.2017
(54) OPTICAL CODE READER
(73) Datalogic IP TECH S.r.l.
(72) BRUNI, Davide
PERUGINI, Luca
CANINI, Federico
BOTTAZZI, Davide
(31) 201600068779
(32) 01.07.2016
(33) Italy

(51) G06K 9/00
G06K 9/20
(11) EP3264329
(21) EP17178218.8
(47) 11.09.2019
(22) 27.06.2017
(54) A METHOD AND A DEVICE FOR DETECTING FRAUD BY EXAMINATION USING TWO DIFFERENT FOCAL LENGTHS DURING AUTOMATIC FACE RECOGNITION
(73) Idemia Identity & Security France
(72) RIEUL, François
BEAUDET, Jean
CHU, Baptiste
(31) 1656121
(32) 29.06.2016

(33) France

(51) G06K 9/00
G06K 19/06
G03G 21/04
G06K 19/08
G06K 19/10
(11) EP2150923
(21) EP08805632.0
(47) 11.09.2019
(87) FR2008000743
08.01.2009
(22) 02.06.2008
(54) METHOD AND DEVICE FOR SECURING DOCUMENTS
(73) Advanced Track And Trace
(72) PICARD, Justin
MASSICOT, Jean-Pierre
FOUCOU, Alain
SAGAN, Zbigniew
(31) 0703922
PCT/FR2007/000918
(32) 01.06.2007
01.06.2007
(33) France
World Intellectual Property Office (WIPO)

(51) G06K 9/00
G06T 7/269
G06K 9/62
(11) EP3376437
(21) EP18164976.5
(47) 11.09.2019
(22) 13.07.2017
(54) VIDEO FRAME PROCESSING FOR MOTION COMPARISON
(73) Praaktis Limited
(72) Rosson, Paul Andrew

(51) G06K 9/00
G06T 7/269
G06K 9/62
(11) EP3376436
(21) EP18164970.8
(47) 11.09.2019
(22) 13.07.2017
(54) VIDEO FRAME PROCESSING FOR MOTION COMPARISON
(73) Praaktis Limited
(72) Rosson, Paul Andrew

(51) G06K 9/00
H04N 1/00
H04N 1/32
G06F 17/22
(11) EP2709036
(21) EP11863881.6
(47) 11.09.2019
(87) JP2011059564
26.10.2012
(22) 18.04.2011
(54) DATA PROCESSING DEVICE, CONTROL METHOD OF DATA PROCESSING DEVICE, AND PROGRAM
(73) Canon Kabushiki Kaisha
(72) TERAO, Yoshihide

(51) G06K 9/20
G06K 9/00
G06K 9/62
(11) EP2821937
(21) EP14290189.1
(47) 11.09.2019
(22) 26.06.2014
(54) Method and device for detecting muzzle flash of light weapons
(73) MBDA France
(72) Le Croller, David
Teodoro, Thierry
Assouly, Jean-Luc
Garrigues, Pierre
(31) 1301562
(32) 02.07.2013
(33) France

(51) G06K 9/62
(11) EP3379460
(21) EP17162547.8
(47) 11.09.2019
(22) 23.03.2017
(54) QUALITY MEASUREMENT WEIGHTING OF IMAGE OBJECTS
(73) Axis AB
(72) Chen, Jiandan
Björgvinsdottir, Hanna
(31) 201715464927
(32) 21.03.2017
(33) United States of America

(51) G06K 13/067
G07F 9/00
G01S 13/00
G01S 17/02
G06K 13/08
G07F 19/00
(11) EP2434436
(21) EP10777305.3
(47) 11.09.2019
(87) CN2010071182
25.11.2010
(22) 22.03.2010
(54) FOREIGN SUBSTANCE DETECTION DEVICE FOR CARD READER AND CARD READER SOCKET
(73) GRG Banking Equipment Co., Ltd.
(72) XIAO, Dahai
(31) 200910039657
(32) 21.05.2009
(33) China

(51) G06K 13/08
G07F 7/08
(11) EP2947605
(21) EP15167866.1
(47) 11.09.2019
(22) 15.05.2015
(54) GATE FOR A PAYMENT INTERFACE
(73) Crane Payment Innovations, Inc.
(72) Carmine, Christopher Stephen
(31) 201414281035
(32) 19.05.2014
(33) United States of America

(51) G06K 15/02
G06F 3/12
H04N 1/56
H04N 1/60
(11) EP2876543
(21) EP14193633.6
(47) 11.09.2019
(22) 18.11.2014
(54) Printer driver device, printer, and printer system
(73) Riso Kagaku Corporation
(72) Akiyama, Toshio
(31) 2013239819
(32) 20.11.2013
(33) Japan

(51) G06K 19/07
H04L 9/08
H04L 29/06
H04W 12/06
H04L 9/32
H04L 29/08
(11) EP2828800
(21) EP12871642.0
(47) 11.09.2019
(87) FI2012050300
26.09.2013
(22) 23.03.2012
(54) CRYPTOGRAPHICALLY AUTHENTICATED COMMUNICATION
(73) Nokia Technologies Oy
(72) LUUKKALA, Vesa-Veikko
SOVIO, Sampo
KAAJA, Harald
BOLDYREV, Sergey
OLIVER, Ian

(51) G06N 3/10
G06N 3/04
G06N 3/08
(11) EP2994856
(21) EP13724774.8
(47) 11.09.2019
(87) EP2013059715
13.11.2014
(22) 10.05.2013
(54) PARTIAL DISCHARGE SIGNAL PROCESSING METHOD AND APPARATUS EMPLOYING NEURAL NETWORK
(73) Prysmian S.p.A.
(72) DI STEFANO, Antonio
CANDELA, Roberto
FISCELLI, Giuseppe
GIACONIA, Giuseppe, Costantino

(51) G06N 10/00
(11) EP3254241
(21) EP16706466.6
(47) 11.09.2019
(87) US2016016625
11.08.2016
(22) 04.02.2016
(54) FLUX CONTROL OF QUBIT UNDER RESONANT EXCITATION
(73) Northrop Grumman Systems Corporation
(72) MEDFORD, James R.
(31) 201514616473
(32) 06.02.2015
(33) United States of America

(51) G06Q 10/08
(11) EP3158515
(21) EP15741334.5
(47) 11.09.2019
(87) IB2015054634
23.12.2015
(22) 19.06.2015
(54) VEHICULAR SYSTEM FOR ASSISTING THE DELIVERY OF GOODS
(73) Iveco S.p.A.
(72) NICOSIA, Biagio
VARRASSO, Maddalena

(31) MI20141112
(32) 19.06.2014
(33) Italy

(51) G06Q 10/10
(11) EP3089088
(21) EP16161094.4
(47) 11.09.2019
(22) 05.06.2013
(54) INTELLIGENT PRESENTATION OF DOCUMENTS
(73) Apple Inc.
(72) KARUNAMUNI, Chanaka G.
VAN OS, Marcel
HERZ, Scott
BLOCK, Eliza
STEELE, Glen W.
FERRY, Ken
LAURENS, Peter
(31) 201261656931 P
201313843962
(32) 07.06.2012
15.03.2013
(33) United States of America
United States of America

(51) G06Q 50/00
G06F 21/00
H04L 29/06
(11) EP2115689
(21) EP08728178.8
(47) 11.09.2019
(87) US2008051876
31.07.2008
(22) 24.01.2008
(54) MULTI-DIMENSIONAL REPUTATION SCORING
(73) McAfee, LLC
(72) ALPEROVITCH, Dmitri
FOOTE-LENNOX, Tomo
GOULD, Jeremy
GREVE, Paula
HERNANDEZ, Alejandro, M.
JUDGE, Paul
KRASSER, Sven
LANGE, Tim
SCHNECK, Phyllis, A.
STECHER, Martin
TANG, Yuchun
TRIVEDI, Aarjav, Jyotindra, Neeta
WILLIS, Lamar, L.
YANG, Weilai
ZDZIARSKI, Jonathan, A.
(31) 626603
(32) 24.01.2007
(33) United States of America

(51) G06T 1/00
G06T 3/40
(11) EP2973384
(21) EP14783302.4
(47) 11.09.2019
(87) US2014029126
16.10.2014
(22) 14.03.2014
(54) AUTOMATED GEOSPATIAL IMAGE MOSAIC GENERATION
(73) Digitalglobe, Inc.
(72) PADWICK, Christopher G.
WALLERIUS, John W.
SMITH, James T.
(31) 201313838475
201313952442
201313952464
(32) 15.03.2013
26.07.2013
26.07.2013
(33) United States of America
United States of America
United States of America

(51) G06T 3/40
(11) EP3002728
(21) EP15190630.2
(47) 11.09.2019
(22) 14.03.2014
(54) AUTOMATED GEOSPATIAL IMAGE MOSAIC GENERATION WITH CUTLINE GENERATION
(73) Digitalglobe, Inc.
(72) PADWICK, Christopher G.
WALLERIUS, John W.
SMITH, James T.
(31) 201313838475
201313952442
201313952464
(32) 15.03.2013
26.07.2013
26.07.2013
(33) United States of America
United States of America
United States of America

(51) G06T 3/40
(11) EP2720191
(21) EP13188133.6
(47) 11.09.2019
(22) 10.10.2013
(54) Display device and method of photographing thereof
(73) Samsung Electronics Co., Ltd.
(72) Kwak, Ji-yeon
Seo, Seok-weon
(31) 20120112683
(32) 10.10.2012
(33) Korea (Republic)

(51) G06T 3/40
(11) EP2932464
(21) EP13802630.7
(47) 11.09.2019
(87) EP2013076042
26.06.2014
(22) 10.12.2013
(54) METHOD OF DISPLAY AND SYSTEM FOR AIDING NAVIGATION
(73) THALES
(72) LE MEUR, Alain
PAYOT, Etienne
(31) 1203441
(32) 17.12.2012
(33) France

(51) G06T 3/40
G06T 5/00
G06T 5/10
G06T 5/50
A61B 6/00
A61B 6/14
H04N 5/232
H04N 7/01
(11) EP3239923
(21) EP14907746.3
(47) 11.09.2019
(87) CN2014095921
16.06.2016
(22) 31.12.2014
(54) METHOD AND APPARATUS FOR GENERATING TOOTH PANORAMIC IMAGE, AND PANORAMIC MACHINE FOR PHOTOGRAPHING TEETH
(73) Hefei Meyer Optoelectronic Technology Inc.
(72) TIAN, Ming
LIN, Maoxian
JIANG, Dong
NIU, Yu
CAI, Guangjie
ZHAO, Youyuan
ZHANG, Jianjun
(31) 201410764395
(32) 11.12.2014
(33) China

(51) G06T 3/40
G06T 5/10
(11) EP2904580
(21) EP13798391.2
(47) 11.09.2019
(87) IB2013058753
10.04.2014
(22) 23.09.2013
(54) REAL-TIME IMAGE PROCESSING FOR OPTIMIZING SUB-IMAGES VIEWS
(73) Koninklijke Philips N.V.
(72) MAACK, Hanns-Ingo
(31) 201261710049 P
(32) 05.10.2012
(33) United States of America

(51) G06T 5/00
(11) EP3134867
(21) EP15728143.7
(47) 11.09.2019
(87) IB2015052686
29.10.2015
(22) 14.04.2015
(54) RESTORATION OF LOW CONTRAST STRUCTURE IN DE-NOISE IMAGE DATA
(73) Koninklijke Philips N.V.
(72) GOSHEN, Liran
GRINGAUZ, Asher
(31) 201461983063 P
(32) 23.04.2014
(33) United States of America

(51) G06T 5/10
G06T 11/00
G06T 7/00
(11) EP2590138
(21) EP12188397.9
(47) 11.09.2019
(22) 12.10.2012
(54) Gas visualization arrangements, devices, and methods
(73) Flir Systems AB
(72) Strandemar, Katrin
(31) 11188119
201261639749 P
(32) 07.11.2011
27.04.2012
(33) European Patent Office (EPO)
United States of America

(51) G06T 5/20

(11) EP3143584
(21) EP15731390.9
(47) 11.09.2019
(87) GB2015051407
19.11.2015
(22) 13.05.2015
(54) RIM-WISE FUNCTION ESTIMATION
(73) String Limited
(72) ØVERBYE, Johan
(31) 201408494
(32) 13.05.2014
(33) United Kingdom

(51) G06T 7/00
G06K 9/00
C12Q 1/68
G01N 21/64
G06K 9/62
(11) EP3155592
(21) EP15730991.5
(47) 11.09.2019
(87) EP2015062930
17.12.2015
(22) 10.06.2015
(54) PREDICTING BREAST CANCER RECURRENCE DIRECTLY FROM IMAGE FEATURES COMPUTED FROM DIGITIZED IMMUNOHISTOPATHOLOGY TISSUE SLIDES
(73) Leland Stanford Junior University
Ventana Medical Systems, Inc.
(72) CHUKKA, Srinivas
BARNES, Michael
KNOWLES, David
(31) 201462010290 P
(32) 10.06.2014
(33) United States of America

(51) G06T 7/00
G06K 9/46
G06K 9/62
(11) EP2782066
(21) EP12848829.3
(47) 11.09.2019
(87) JP2012079671
23.05.2013
(22) 15.11.2012
(54) LOCAL FEATURE DESCRIPTOR EXTRACTING APPARATUS, METHOD FOR EXTRACTING LOCAL FEATURE DESCRIPTOR, AND PROGRAM
(73) NEC Corporation
(72) IWAMOTO, Kota
MASE, Ryota
(31) 2011253257
(32) 18.11.2011
(33) Japan

(51) G06T 7/11
G06T 7/12
G06T 7/136
G06T 7/187
G06K 9/00
(11) EP3146503
(21) EP15725544.9
(47) 11.09.2019
(87) EP2015060861
26.11.2015
(22) 18.05.2015
(54) APPARATUS AND METHOD FOR THE AUTOMATED DETECTION OF TREES
(73) Deutsches Zentrum für Luft- und Raumfahrt e.V.
(72) SCHISCHMANOW, Adrian
BÖRNER, Anko
ERNST, Ines
BAUER, Martin
BAUMBACH, Dirk
BUDER, Maximilian
ZUEV, Sergey
FUNK, Eugen
GRIESSBACH, Denis
WOHLFEIL, Jürgen
MUND, Jan-Peter
LANZ, Michel
THIELE, Tom
RITTER, Sebastian
(31) 102014209405
(32) 19.05.2014
(33) Germany

(51) G06T 7/11
G06T 7/136
(11) EP3352135
(21) EP18151415.9
(47) 11.09.2019
(22) 12.01.2018
(54) METHOD AND APPARATUS FOR SEGMENTATION OF BLOOD VESSELS
(73) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciencia
(72) TERROSO DE ARAÚJO, Ricardo Jorge
PINTO DE OLIVEIRA, Hélder Filipe
(31) 109864
(32) 19.01.2017
(33) Portugal

(51) G06T 7/12
A61B 3/10
A61B 3/12
(11) EP2437648
(21) EP10783383.2
(47) 11.09.2019
(87) JP2010059302
09.12.2010
(22) 26.05.2010
(54) IMAGE PROCESSING APPARATUS, CONTROL METHOD THEREOF, AND COMPUTER PROGRAM
(73) Canon Kabushiki Kaisha
(72) IMAMURA, Hiroshi
KATAYAMA, Akihiro
(31) 2009133455
(32) 02.06.2009
(33) Japan

(51) G06T 7/12
G06T 7/254
(11) EP3399500
(21) EP17382244.6
(47) 11.09.2019
(22) 03.05.2017
(54) METHOD AND SYSTEM FOR CALCULATING THE TRAJECTORY OF A STORE EJECTED FROM AN AIRCRAFT
(73) Airbus Defence and Space, S.A.U.
(72) LOPEZ HERREROS, Israel
COLL HERRERO, Francisca

(51) G06T 7/238
G06T 7/215
G06T 7/246
G06T 7/254
(11) EP2357614
(21) EP10194641.6
(47) 11.09.2019
(22) 13.12.2010
(54) Method and terminal for detecting and tracking moving object using real-time camera motion estimation
(73) Samsung Electronics Co., Ltd.
(72) Son, Byung-Jun
Kim, Yun-Jung
Cho, Sung-Dae
(31) 20090129338
(32) 22.12.2009
(33) Korea (Republic)

(51) G06T 7/254
(11) EP2581879
(21) EP12161420.0
(47) 11.09.2019
(22) 27.03.2012
(54) Three-frame difference moving target acquisition system and method for target track identification
(73) Raytheon Company
(72) Newman,, Arthur M.
Kaganovich, Vitaliy M.
Sun, Nicholas
Douglas, Dave S.
(31) 201113271700
(32) 12.10.2011
(33) United States of America

(51) G06T 7/32
G06T 7/00
(11) EP2943932
(21) EP14703190.0
(47) 11.09.2019
(87) US2014010475
17.07.2014
(22) 07.01.2014
(54) WHOLE SLIDE MULTISPECTRAL IMAGING SYSTEMS AND METHODS
(73) Akoya Biosciences, Inc.
(72) MILLER, Peter J.
(31) 201361751192 P
(32) 10.01.2013
(33) United States of America

(51) G06T 11/00
(11) EP1276075
(21) EP02014723.7
(47) 11.09.2019
(22) 03.07.2002
(54) Method for image reconstruction, software for image reconstruction, a recording medium therefor, and a radiographic apparatus
(73) Shimadzu Corporation
(72) Ukita, Masaaki
(31) 2001213297
(32) 13.07.2001
(33) Japan

(51) G06T 15/00
(11) EP1728216
(21) EP05708965.8
(47) 11.09.2019
(87) IB2005050836
29.09.2005

(22) 07.03.2005
(54) IMAGE VISUALIZATION
(73) Koninklijke Philips N.V.
(72) KIEFER, Gundolf c/o Philips Intellectual Property
LEHMANN, Helko c/o Philips Intellectual Property &
WEESE, Jürgen c/o Philips Intellectual Property &
BUSCH, Marc c/o Philips Intellectual Property &
(31) 04101048
(32) 15.03.2004
(33) European Patent Office (EPO)

(51) G06T 17/00
G06T 11/20
G06T 19/20
(11) EP2883214
(21) EP13827652.2
(47) 11.09.2019
(87) US2013053866
13.02.2014
(22) 06.08.2013
(54) MANIPULATING GRAPHICAL OBJECTS
(73) Lucid Software Inc.
(72) DILTS, Benjamin, N.
(31) 201213568245
(32) 07.08.2012
(33) United States of America

(51) G06T 19/00
A41H 3/00
(11) EP3167435
(21) EP15742198.3
(47) 11.09.2019
(87) EP2015065867
14.01.2016
(22) 10.07.2015
(54) METHOD AND DEVICE FOR ARRANGING GRAPHICAL DESIGN ELEMENTS ON A SEAT COVER OF A VEHICLE SEAT
(73) Adient Luxembourg Holding S.à r.l.
(72) OLDACH, Sven
GRIES, Petra
(31) 102014213559
(32) 11.07.2014
(33) Germany

(51) G06T 19/00
G06Q 30/06
(11) EP3314581
(21) EP16732521.6
(47) 11.09.2019
(87) EP2016063366
29.12.2016
(22) 10.06.2016
(54) AUGMENTED REALITY DEVICE FOR VISUALIZING LUMINAIRE FIXTURES
(73) Signify Holding B.V.
(72) PUVVADA SATHYANARAYANA, Sanjeev, Kumar
BHAT, Sanjay
KUKHSHAL, Pramod
(31) 15173350
(32) 23.06.2015
(33) European Patent Office (EPO)

(51) G06T 19/00
G06T 11/00
(11) EP3407303
(21) EP17172968.4
(47) 11.09.2019
(22) 25.05.2017
(54) AUGMENTED REALITY DEVICE
(73) Fujitsu Limited
(72) VAN DEN BERGHE, Sven

(51) G07C 3/08
F16T 1/48
G06Q 10/00
(11) EP1914689
(21) EP06781604.1
(47) 11.09.2019
(87) JP2006314692
01.02.2007
(22) 25.07.2006
(54) ANALYSIS SYSTEM USED IN A MAINTENANCE INSPECTION OPERATION
(73) TLV Company, Limited
(72) FUJIWARA, Yoshiyasu c/o TLV CO., LTD.
ODA, Kazunori c/o TLV CO., LTD.
(31) 2005214646
2005216145
2005217353
(32) 25.07.2005
26.07.2005
27.07.2005
(33) Japan
Japan
Japan

(51) G07C 5/00
G07C 5/08
(11) EP2188785
(21) EP08786433.6
(47) 11.09.2019
(87) EP2008059772
19.02.2009
(22) 25.07.2008
(54) TACHOGRAPH, ARRANGEMENT AND METHOD FOR TRANSMITTING DATA OVER A USER-FRIENDLY INTERFACE
(73) Continental Automotive GmbH
(72) ROSMISLOWSKY, Bernd
LINDINGER,Andreas
SCHULZ, Frank
WERNER, Thomas
(31) 102007038690
(32) 15.08.2007
(33) Germany

(51) G07C 5/08
G01P 1/12
G01C 21/16
G01C 25/00
G01P 21/00
G01P 15/18
(11) EP2992514
(21) EP14728240.4
(47) 11.09.2019
(87) GB2014051379
06.11.2014
(22) 02.05.2014
(54) METHOD, SYSTEM AND COMPUTER PROGRAM FOR DETERMINING THE ORIENTATION OF AN APPARATUS
(73) Redtail Telematics Limited
(72) JONES, Kevin
MASSAM, Peter
(31) 201307974
(32) 02.05.2013
(33) United Kingdom

(51) G07C 5/12
G07C 7/00
G01P 1/12
(11) EP3279872
(21) EP17183765.1
(47) 11.09.2019
(22) 28.07.2017
(54) TACHOGRAPH
(73) Continental Automotive GmbH
(72) Höni, Helmut
(31) 102016214173
(32) 01.08.2016
(33) Germany

(51) G07C 9/00
(11) EP3155598
(21) EP15729893.6
(47) 11.09.2019
(87) GB2015051682
17.12.2015
(22) 09.06.2015
(54) SECURE ENTRY SYSTEM
(73) De La Rue International Limited
(72) WHITEMAN, Robert
(31) 201410446
(32) 12.06.2014
(33) United Kingdom

(51) G07C 9/00
B66B 1/00
(11) EP2368229
(21) EP08875099.7
(47) 11.09.2019
(87) EP2008010846
24.06.2010
(22) 18.12.2008
(54) ACCESS CONTROL SYSTEM AND ACCESS CONTROL METHOD FOR A PEOPLE CONVEYOR CONTROL SYSTEM
(73) Otis Elevator Company
(72) WILKE, Michael
HINDA, Martin, Greg, Walter
SPIELBAUER, Hans-Killan
COMINELLI, Donald, F.

(51) G07C 9/00
E05B 47/06
(11) EP3320522
(21) EP16775319.3
(47) 11.09.2019
(87) IB2016000963
12.01.2017
(22) 06.07.2016
(54) LOCK FOR PROVIDING REDUNDANT CHANNELS OF ACCESS
(73) Acsys IP Holding Inc.
(72) MEGANCK, David
BELHADIA, Karim
MOURADIAN, Jean
FARES, Ahmad
(31) 201562189195 P
(32) 06.07.2015
(33) United States of America

(51) G07C 9/00
H04L 12/28
H04W 12/08
(11) EP3025460

(21) EP14750847.7
(47) 11.09.2019
(87) US2014047530
29.01.2015
(22) 22.07.2014
(54) METHOD AND SYSTEM FOR SELF-DISCOVERY AND MANAGEMENT OF WIRELESS SECURITY DEVICES
(73) TYCO INTEGRATED SECURITY, LLC
(72) DYK, Peter
MCLELLAN, Allan
BRUBAKER, Ken
THAM, Tuckweng
KO, Kam-Yuen
(31) 201313952306
(32) 26.07.2013
(33) United States of America

(51) G07D 1/00
(11) EP2325810
(21) EP08791439.6
(47) 11.09.2019
(87) JP2008063182
28.01.2010
(22) 23.07.2008
(54) COIN FEEDER AND COIN PROCESSING MACHINE
(73) Glory Ltd.
(72) TANAKA, Mitsuo

(51) G07D 3/00
G07D 5/02
G07D 3/12
(11) EP2737458
(21) EP12817259.0
(47) 11.09.2019
(87) US2012047185
31.01.2013
(22) 18.07.2012
(54) COIN SORTING PLATE WITH RECESSED COIN SLOTS
(73) String, Gregory F.
(72) String, Gregory F.
(31) 201113191595
(32) 27.07.2011
(33) United States of America

(51) G07D 7/08
G01N 29/11
G01N 29/22
(11) EP2721588
(21) EP12730801.3
(47) 11.09.2019
(87) EP2012002583
27.12.2012
(22) 19.06.2012
(54) ULTRASONIC SENSOR FOR DETECTING VALUABLE DOCUMENTS AND METHOD FOR PRODUCING SAID SENSOR
(73) Giesecke+Devrient Currency Technology GmbH
(72) MOOSLER, Hans-Uwe
DICKLBERGER, Oskar
LOHNER, Joseph
HERMANN, Frank
(31) 102011104981
(32) 20.06.2011
(33) Germany

(51) G07D 7/121
(11) EP2916296
(21) EP15152242.2
(47) 11.09.2019
(22) 23.01.2015
(54) Inspection apparatus
(73) Kabushiki Kaisha Toshiba
(72) Nakano, Takahisa
Saito, Tsutomu
(31) 2014042149
(32) 04.03.2014
(33) Japan

(51) G07D 7/164
(11) EP3343520
(21) EP16840580.1
(47) 11.09.2019
(87) CN2016080651
09.03.2017
(22) 29.04.2016
(54) HALL DETECTION DEVICE FOR THICKNESS OF SHEET MEDIUM
(73) GRG Banking Equipment Co., Ltd.
(72) LI, Ming
FANG, Minjie
LIU, Mengtao
GONG, Wenchuan
(31) 201510543807
(32) 28.08.2015
(33) China

(51) G07D 13/00
B65H 3/06
B65H 27/00
G07D 11/00
G07D 11/16
G07D 11/14
G07D 11/165
(11) EP3208780
(21) EP15850600.6
(47) 11.09.2019
(87) CN2015085188
21.04.2016
(22) 27.07.2015
(54) BANKNOTE SEPARATION DEVICE AND RADIAL LASH ADJUSTING METHOD THEREFOR
(73) GRG Banking Equipment Co., Ltd.
(72) ZHOU, Guihong
LI, Tianrui
LIU, Zhan
(31) 201410538166
(32) 13.10.2014
(33) China

(51) G07F 7/08
(11) EP3171341
(21) EP16197778.0
(47) 11.09.2019
(22) 08.11.2016
(54) ELECTRONIC PAYMENT TERMINAL INCLUDING A SHOCK-PROOF CONTACTLESS PAYMENT MODULE, CORRESPONDING LIGHT GUIDE
(73) Ingenico Group
(72) CHOWDHARY, Ferhaj
COQUELET, Didier
ROBERT, Franck
(31) 1561159
(32) 19.11.2015
(33) France

(51) G08B 13/00
G08B 19/00
H04N 7/18
G08B 1/08
G08B 13/196
(11) EP2911125
(21) EP15158810.0
(47) 11.09.2019
(22) 21.09.2006
(54) SECURITY MONITORING ARRANGEMENT AND METHOD USING A COMMON FIELD OF VIEW
(73) RSIAlarm, Inc.
(72) Jentoft, Keith A.
(31) 719369 P
388764
(32) 22.09.2005
24.03.2006
(33) United States of America
United States of America

(51) G08B 13/02
G01G 19/12
B60K 15/03
(11) EP3276584
(21) EP17181494.0
(47) 11.09.2019
(22) 14.07.2017
(54) DEVICE AND METHOD FOR DETECTING FUEL THEFT
(73) Continental Automotive GmbH
(72) Dohmen, Ralf
Bäßler, Christian
Bertl, Svenja
(31) 102016213834
(32) 27.07.2016
(33) Germany

(51) G08B 13/08
G08B 25/00
(11) EP3398174
(21) EP16826665.8
(47) 11.09.2019
(87) US2016069235
06.07.2017
(22) 29.12.2016
(54) WINDOW SENSING DEVICE WITH MOVEMENT DETECTION
(73) Robert Bosch GmbH
(72) DIPOALA, William
(31) 201562274007 P
(32) 31.12.2015
(33) United States of America

(51) G08B 13/184
G08B 13/24
G08B 13/08
(11) EP3249623
(21) EP17172976.7
(47) 11.09.2019
(22) 25.05.2017
(54) INTRUSION DETECTING SENSOR AND METHOD
(73) Essence Security International (E.S.I.) Ltd.
(72) AMIR, Ohad
(31) 201662341660 P
(32) 26.05.2016
(33) United States of America

(51) G08B 13/193
G01J 5/08
(11) EP2920774
(21) EP13792944.4
(47) 11.09.2019

(87) GB2013052970
22.05.2014
(22) 12.11.2013
(54) INFRARED DETECTION DEVICE AND MASKING SECTION
(73) Pyronix Limited
(72) HERRERA STROMBERG, Juan Sebastian
(31) 201220410
(32) 13.11.2012
(33) United Kingdom

(51) G08B 13/24
(11) EP3391347
(21) EP16823443.3
(47) 11.09.2019
(87) US2016067566
22.06.2017
(22) 19.12.2016
(54) SYSTEMS AND METHODS FOR TRACKING ITEMS REMOVED WITHOUT AUTHORIZATION FROM SECURED LOCATIONS
(73) Sensormatic Electronics, LLC
(72) TURGEON, Charles, T.
(31) 201514974855
(32) 18.12.2015
(33) United States of America

(51) G08B 17/00
G08B 17/06
G08B 25/04
(11) EP3333817
(21) EP16834801.9
(47) 11.09.2019
(87) JP2016003466
16.02.2017
(22) 27.07.2016
(54) AUTOMATIC FIRE ALARM SYSTEM SLAVE DEVICE, AUTOMATIC FIRE ALARM SYSTEM, AND AUTOMATIC FIRE ALARM SYSTEM MASTER DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) OOI, Motohiro
ITOU, Takasi
GOSHONOO, Kazuhiko
MIZUTA, Tomoaki
LI, Ran
(31) 2015157699
(32) 07.08.2015
(33) Japan

(51) G08B 21/14
G08B 21/16
G08B 29/16
G08B 29/24
G01N 33/00
(11) EP2586018
(21) EP11744123.8
(47) 11.09.2019
(87) US2011041848
29.12.2011
(22) 24.06.2011
(54) A MULTI-SENSE ENVIRONMENTAL MONITORING DEVICE AND METHOD
(73) Industrial Scientific Corporation
(72) ARUNACHALAM, Raghu
(31) 358729 P
(32) 25.06.2010
(33) United States of America

(51) G08B 25/00
G08B 29/04
(11) EP2631888
(21) EP13155654.0
(47) 11.09.2019
(22) 18.02.2013
(54) System and method for real time anti-smash protection of a security system for protecting a property.
(73) Honeywell International Inc.
(72) Edwards, Lewin A. R. W.
Marabella, Robert W.
Tyroler, Dan
(31) 201213403274
(32) 23.02.2012
(33) United States of America

(51) G08B 25/01
(11) EP3335206
(21) EP16751213.6
(47) 11.09.2019
(87) EP2016067720
16.02.2017
(22) 26.07.2016
(54) PROVIDING AN AID MEANS AFTER A VEHICLE ACCIDENT
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) GRUFFKE, Michael
KAINDL, Markus
PILKINGTON, Ingrid
(31) 102015215294
(32) 11.08.2015
(33) Germany

(51) G08C 17/02
(11) EP3172727
(21) EP15741997.9
(47) 11.09.2019
(87) EP2015066839
28.01.2016
(22) 23.07.2015
(54) METHODS FOR DETERMINING AND CONTROLLING A PIECE OF EQUIPMENT TO BE CONTROLLED, AND DEVICE, USE AND SYSTEM IMPLEMENTING SAID METHODS
(73) 7Hugs Labs
(72) TCHEDIKIAN, Simon
(31) 1457234
(32) 25.07.2014
(33) France

(51) G08C 17/02
(11) EP2782081
(21) EP14159883.9
(47) 11.09.2019
(22) 14.03.2014
(54) Remote control key unit for a vehicle, remote control key system for a vehicle, and arrangement
(73) Yamaha Hatsudoki Kabushiki Kaisha
Asahi Denso Co., Ltd.
(72) Maekawa, Koji
Suzuki, Michiyuki
(31) 2013060572
(32) 22.03.2013
(33) Japan

(51) G08C 19/36
G01R 29/08
G08C 23/04
H04Q 9/00
G01R 31/28
G01R 31/302
G01R 31/309
(11) EP3152746
(21) EP14728928.4
(47) 11.09.2019
(87) EP2014061622
10.12.2015
(22) 04.06.2014
(54) AN OPTICAL ELECTRICAL MEASUREMENT SYSTEM, A MEASUREMENT PROBE AND A METHOD THEREFOR
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) OLSSON, Björn
SANDER, Sverker

(51) G08G 1/00
H04N 7/18
G11B 27/00
(11) EP2954505
(21) EP14706434.9
(47) 11.09.2019
(87) US2014015525
14.08.2014
(22) 10.02.2014
(54) ADDING USER-SELECTED MARK-UPS TO A VIDEO STREAM
(73) Robert Bosch GmbH
(72) BRUHN, Oliver
CANUPP, Scott
BELSARKAR, Ajit
ECK,Brad
(31) 201361762696 P
(32) 08.02.2013
(33) United States of America

(51) G08G 1/09
(11) EP3321911
(21) EP15897714.0
(47) 11.09.2019
(87) JP2015069599
12.01.2017
(22) 08.07.2015
(54) LAMP DETECTION DEVICE AND LAMP DETECTION METHOD
(73) Nissan Motor Co., Ltd.
(72) OKI, Takahiko
MATSUO, Haruo
YAMANOI, Daiki

(51) G09B 9/12
F16M 11/20
F16M 11/04
F16M 11/12
(11) EP3400399
(21) EP16829299.3
(47) 11.09.2019
(87) FR2016053686
13.07.2017
(22) 30.12.2016
(54) SYSTEM FOR GENERATING THE MOVEMENT OF A SUPPORT PLATE IN SIX DEGREES OF FREEDOM
(73) Micro-Contrôle - Spectra-Physics SAS
(72) DURAND, Eric
RETY, Bruno
(31) 1650094
(32) 06.01.2016
(33) France

(51) G09B 23/28
(11) EP3128501
(21) EP15772800.7
(47) 11.09.2019
(87) JP2015001843
08.10.2015
(22) 30.03.2015
(54) PERITONEAL CAVITY SIMULATOR
(73) Fasotec Co., Ltd.
(72) WATANABE, Kinichi
ANRAKU, Takeshi
(31) 2014072651
(32) 31.03.2014
(33) Japan

(51) G09B 23/28
G01R 29/08
(11) EP2786361
(21) EP12799538.9
(47) 11.09.2019
(87) EP2012074007
06.06.2013
(22) 29.11.2012
(54) COMPOSITION SIMULATING THE DIELECTRIC PROPERTIES OF THE HUMAN BODY AND USE THEREOF FOR SAR MEASUREMENT
(73) Art-Fi
(72) QUÉLÉVER, Kristell
CORADIN, Thibaud
BONHOMME, Christian
MEYER, Olivier
DERAT, Benoît
(31) 11306584
(32) 29.11.2011
(33) European Patent Office (EPO)

(51) G09F 1/06
(11) EP2650862
(21) EP12174681.2
(47) 11.09.2019
(22) 02.07.2012
(54) Unfolding mechanism and collapsible information carrier
(73) UDS Sp. z o.o.
(72) Baczkowski, Andrzej
(31) 39881312
(32) 13.04.2012
(33) Poland

(51) G09F 3/03
B42D 25/328
B42D 25/364
G02B 5/30
G09F 3/02
G09F 3/00
G02B 5/32
G03H 1/00
G03H 1/02
B42D 25/29
B42D 25/00
(11) EP2905767
(21) EP13843570.6
(47) 11.09.2019
(87) JP2013076829
10.04.2014
(22) 02.10.2013
(54) IDENTIFICATION MEDIUM
(73) NHK Spring Co., Ltd.
(72) HOSHINO, Hidekazu
TAKEUCHI, Itsuo
SAKAUCHI, Tokio
IDA, Tooru
SUZUKI, Shinei
(31) 2012222978
(32) 05.10.2012
(33) Japan

(51) G09G 3/20
G09G 3/3266
G09G 3/36
(11) EP3267432
(21) EP17179700.4
(47) 11.09.2019
(22) 05.07.2017
(54) DISPLAY APPARATUS
(73) Samsung Display Co., Ltd.
(72) Park, Minwook
Lee, Jinyoung
Kuk, Seung-Won
Park, Yunjae
(31) 20160086277
(32) 07.07.2016
(33) Korea (Republic)

(51) G09G 3/3266
G11C 19/18
G11C 19/28
(11) EP3232430
(21) EP15785036.3
(47) 11.09.2019
(87) CN2015079127
16.06.2016
(22) 15.05.2015
(54) SHIFT REGISTER AND DRIVE METHOD THEREFOR, SHIFT SCANNING CIRCUIT AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
(72) SUN, Tuo
(31) 201410759198
(32) 10.12.2014
(33) China

(51) G09G 3/36
G09G 5/12
(11) EP3029667
(21) EP15197732.9
(47) 11.09.2019
(22) 03.12.2015
(54) METHOD OF DRIVING A DISPLAY PANEL AND A DISPLAY APPARATUS FOR PERFORMING THE SAME
(73) Samsung Display Co., Ltd.
(72) Ahn, Ik-Hyun
Seo, Jung-Deok
Park, Bong-Im
(31) 20140173263
(32) 04.12.2014
(33) Korea (Republic)

(51) G09G 3/36
G11C 19/28
G11C 19/18
(11) EP3200182
(21) EP15749709.0
(47) 11.09.2019
(87) CN2015072166
31.03.2016
(22) 03.02.2015
(54) SHIFT REGISTER UNIT, SHIFT REGISTER, GATE DRIVE CIRCUIT AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
(72) MA, Zhanjie
(31) 201410509811
(32) 28.09.2014
(33) China

(51) G09G 5/00
G06F 1/26
G06F 1/28
G06F 3/01
G06F 3/048
G09G 3/20
G09G 3/36
G09G 5/377
H04N 5/64
G02B 27/02
G06F 1/16
A63F 13/00
G02B 27/01
A61B 5/11
A61B 5/00
A61B 5/103
A43B 3/00
(11) EP2960897
(21) EP14754801.0
(47) 11.09.2019
(87) JP2014050004
28.08.2014
(22) 06.01.2014
(54) IMAGE DISPLAY DEVICE, IMAGE DISPLAY METHOD, STORAGE MEDIUM, AND MONITORING SYSTEM
(73) Sony Corporation
(72) YAJIMA, Masakazu
SAKO, Yoichiro
HIRABAYASHI, Takayuki
ONO, Kouichirou
TAKEDA, Masashi
ONO, Akira
(31) 2013033759
2013110582
(32) 22.02.2013
27.05.2013
(33) Japan
Japan

(51) G09G 5/00
G09G 5/14
G09G 3/00
(11) EP2980784
(21) EP15178930.2
(47) 11.09.2019
(22) 29.07.2015
(54) DISPLAY APPARATUS AND METHOD OF CONTROLLING SCREEN THEREOF
(73) Samsung Electronics Co., Ltd.
(72) KIM, Ji-gwang
KIM, Joon-soo
(31) 20140098582
(32) 31.07.2014
(33) Korea (Republic)

(51) G10H 1/32
G10H 3/14
(11) EP3291222
(21) EP17187731.9
(47) 11.09.2019
(22) 24.08.2017
(54) ELECTRONIC PERCUSSION INSTRUMENT
(73) Roland Corporation
(72) TAKASAKI, Ryo

MORI, Yoshiaki
(31) 2016168457
2016168458
2016168459
(32) 30.08.2016
30.08.2016
30.08.2016
(33) Japan
Japan
Japan

(51) G10K 11/30
G01N 29/24
A61B 8/00
(11) EP3143612
(21) EP15718923.4
(47) 11.09.2019
(87) EP2015059439
19.11.2015
(22) 30.04.2015
(54) ACOUSTICAL LENS AND ULTRASOUND TRANSDUCER PROBE
(73) Koninklijke Philips N.V.
(72) BECKERS, Lucas Johannes Anna Maria
DIRKSEN, Peter
DE WILD, Nico Maris Adriaan
HAKKENS, Franciscus Johannes Gerardus
(31) 14168372
(32) 14.05.2014
(33) European Patent Office (EPO)

(51) G10L 13/02
(11) EP3308378
(21) EP15895109.5
(47) 11.09.2019
(87) US2015035342
15.12.2016
(22) 11.06.2015
(54) SYSTEM AND METHOD FOR OUTLIER IDENTIFICATION TO REMOVE POOR ALIGNMENTS IN SPEECH SYNTHESIS
(73) Interactive Intelligence Group, Inc.
(72) RAGHAVENDRA, E. Veera
GANAPATHIRAJU, Aravind

(51) G10L 13/027
G06F 3/16
A47J 43/046
A47J 43/07
A47J 27/00
(11) EP3353775
(21) EP15771898.2
(47) 11.09.2019
(87) EP2015071752
30.03.2017
(22) 22.09.2015
(54) METHOD FOR PRODUCING ACOUSTIC SPEECH OUTPUT
(73) Vorwerk&Co. Interholding GmbH
(72) YAN, Wenjie

(51) G10L 15/18
G10L 15/16
G10L 15/32
G06N 3/04
(11) EP3338280
(21) EP16760808.2
(47) 11.09.2019
(87) JP2016073019
23.02.2017
(22) 29.07.2016
(54) SPOKEN LANGUAGE UNDERSTANDING SYSTEM
(73) Mitsubishi Electric Corporation
(72) WATANABE, Shinji
LUAN, Yi
HARSHAM, Bret
(31) 201514827669
(32) 17.08.2015
(33) United States of America

(51) G10L 15/22
H04N 21/422
H04N 21/436
H04N 21/434
H04N 21/44
H04N 21/439
H04N 21/482
H04N 21/8405
H04N 21/654
H04N 21/658
H04N 21/442
H04N 21/45
G10L 15/08
(11) EP3197168
(21) EP17151879.8
(47) 11.09.2019
(22) 17.01.2017
(54) DISPLAY APPARATUS AND CONTROLLING METHOD THEREOF
(73) Samsung Electronics Co., Ltd.
(72) KIM, Min-chul
SEONG, Han-soo
(31) 20160007628
(32) 21.01.2016
(33) Korea (Republic)

(51) G10L 15/28
G06F 3/01
G06F 3/16
G06F 3/14
G10L 15/22
(11) EP3037920
(21) EP14861345.8
(47) 11.09.2019
(87) KR2014011082
21.05.2015
(22) 18.11.2014
(54) DISPLAY DEVICE AND CONTROL METHOD
(73) Samsung Electronics Co., Ltd.
(72) KIM, Myung-jae
RYU, Hee-seob
HWANG, Kwang-il
(31) 20130140097
20140159967
(32) 18.11.2013
17.11.2014
(33) Korea (Republic)
Korea (Republic)

(51) G10L 15/30
G10L 15/183
(11) EP3123467
(21) EP15719880.5
(47) 11.09.2019
(87) US2015021921
01.10.2015
(22) 23.03.2015
(54) FLEXIBLE SCHEMA FOR LANGUAGE MODEL CUSTOMIZATION
(73) Microsoft Technology Licensing, LLC
(72) LEVIT, Michael
GUELMAN, Hernan
CHANG, Shuangyu
PARTHASARATHY, Sarangarajan
DUMOULIN, Benoit
(31) 201414227492
(32) 27.03.2014
(33) United States of America

(51) G10L 19/00
H04S 3/00
(11) EP3028273
(21) EP14755191.5
(47) 11.09.2019
(87) US2014047966
05.02.2015
(22) 24.07.2014
(54) PROCESSING SPATIALLY DIFFUSE OR LARGE AUDIO OBJECTS
(73) Dolby Laboratories Licensing Corporation
Dolby International AB
(72) BREEBAART, Dirk Jeroen
LU, Lie
TSINGOS, Nicolas R.
MATEOS SOLE, Antonio
(31) 201331193
201361885805 P
(32) 31.07.2013
02.10.2013
(33) Spain
United States of America

(51) G10L 19/002
G10L 19/00
H03M 1/00
(11) EP3408851
(21) EP17705219.8
(47) 11.09.2019
(87) US2017015113
03.08.2017
(22) 26.01.2017
(54) ADAPTIVE QUANTIZATION
(73) Dolby Laboratories Licensing Corporation
(72) TSINGOS, Nicolas R.
COHEN, Zachary Gideon
KUMAR, Vivek
(31) 16152783
201662287348 P
(32) 26.01.2016
26.01.2016
(33) European Patent Office (EPO)
United States of America

(51) G10L 19/005
G10L 25/93
(11) EP3076390
(21) EP14876788.2
(47) 11.09.2019
(87) CN2014081635
09.07.2015
(22) 04.07.2014
(54) METHOD AND DEVICE FOR DECODING SPEECH AND AUDIO STREAMS
(73) Huawei Technologies Co., Ltd.
(72) LIU, Zexin
ZHANG, Xingtao
MIAO, Lei
(31) 201310751997
(32) 31.12.2013
(33) China

(51) G10L 19/02

G10L 19/002
(11) EP3079150
(21) EP14891093.8
(47) 11.09.2019
(87) CN2014092695
05.11.2015
(22) 01.12.2014
(54) SIGNAL PROCESSING METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) WANG, Bin
MIAO, Lei
LIU, Zexin
(31) 201410177234
(32) 29.04.2014
(33) China

(51) G10L 19/02
G10L 21/038
(11) EP2535895
(21) EP12002662.0
(47) 11.09.2019
(22) 30.04.2004
(54) Improved audio coding systems and methods using spectral component coupling and spectral component regeneration
(73) Dolby Laboratories Licensing Corporation
(72) Andersen, Robert Loring
Truman, Michael Mead
Williams, Philip Anthony
Vernon, Stephan Decker
(31) 434449
(32) 08.05.2003
(33) United States of America

(51) G10L 19/06
G10L 25/12
(11) EP3389047
(21) EP18173641.4
(47) 11.09.2019
(22) 16.07.2014
(54) LINEAR PREDICTION ANALYSIS DEVICE, METHOD, PROGRAM, AND STORAGE MEDIUM
(73) Nippon Telegraph and Telephone Corporation
(72) KAMAMOTO, Yutaka
MORIYA, Takehiro
HARADA, Noboru
(31) 2013149160
(32) 18.07.2013
(33) Japan

(51) G10L 19/06
G10L 25/12
(11) EP3399522
(21) EP18173638.0
(47) 11.09.2019
(22) 16.07.2014
(54) LINEAR PREDICTION ANALYSIS DEVICE, METHOD, PROGRAM, AND STORAGE MEDIUM
(73) Nippon Telegraph and Telephone Corporation
(72) KAMAMOTO, Yutaka
MORIYA, Takehiro
HARADA, Noboru
(31) 2013149160
(32) 18.07.2013
(33) Japan

(51) G10L 21/0208
(11) EP3044789
(21) EP14777231.3
(47) 11.09.2019
(87) US2014055516
19.03.2015
(22) 12.09.2014
(54) DYNAMIC THRESHOLD METHODS, SYSTEMS, COMPUTER READABLE MEDIA, AND PROGRAM CODE FOR FILTERING NOISE AND RESTORING ATTENUATED HIGH-FREQUENCY COMPONENTS OF ACOUSTIC SIGNALS
(73) Saudi Arabian Oil Company
(72) YANG, Yunlai
(31) 201361877117 P
(32) 12.09.2013
(33) United States of America

(51) G10L 21/0216
G10L 21/0232
(11) EP3329488
(21) EP16790800.3
(47) 11.09.2019
(87) US2016057441
06.07.2017
(22) 18.10.2016
(54) KEYSTROKE NOISE CANCELING
(73) Google LLC
(72) BUCHNER, Herbert
GODSILL, Simon J.
SKOGLUND, Jan
(31) 201514984373
(32) 30.12.2015
(33) United States of America

(51) G10L 21/038
G10L 19/02
(11) EP3232438
(21) EP17170369.7
(47) 11.09.2019
(22) 29.09.2010
(54) FREQUENCY BAND EXTENDING DEVICE, METHOD AND PROGRAM
(73) Sony Corporation
(72) YAMAMOTO, Yuki
CHINEN, Toru
HONMA, Hiroyuki
MITSUFUJI, Yuhki
(31) 2009233814
2010092689
2010162259
(32) 07.10.2009
13.04.2010
16.07.2010
(33) Japan
Japan
Japan

(51) G11B 7/003
G11B 15/61
(11) EP2920786
(21) EP13795102.6
(47) 11.09.2019
(87) US2013068880
22.05.2014
(22) 07.11.2013
(54) THIN WEB OPTICAL MEDIA GUIDING METHOD
(73) Oracle International Corporation
(72) JANSSEN, Clark M.
(31) 201213677511
(32) 15.11.2012
(33) United States of America

(51) G11B 20/00
G11B 20/12
G11B 20/18
H03M 13/29
(11) EP2452338
(21) EP10797321.6
(47) 11.09.2019
(87) KR2010004471
13.01.2011
(22) 09.07.2010
(54) INFORMATION ENCODING METHOD, INFORMATION DECODING METHOD AND RECORDING/REPRODUCING APPARATUS
(73) Samsung Electronics Co., Ltd.
(72) HWANG, Sung-Hee
LEE, Kyung-Geun
HWANG, In-Oh
(31) 224108 P
20090083637
(32) 09.07.2009
04.09.2009
(33) United States of America
Korea (Republic)

(51) G11C 5/06
G11C 11/417
G11C 8/08
(11) EP3363018
(21) EP16785603.8
(47) 11.09.2019
(87) US2016055244
20.04.2017
(22) 04.10.2016
(54) WORDLINE UNDER-DRIVING USING A VIRTUAL POWER NETWORK
(73) Oracle International Corporation
(72) JEON, Kanghoon
XU, Pangjie
CHO, Hoyeol
SU, Jason, T.
(31) 201514882572
(32) 14.10.2015
(33) United States of America

(51) G11C 7/06
G11C 7/10
G11C 8/12
G06F 15/78
G11C 5/02
G11C 29/26
G06F 3/06
(11) EP3254286
(21) EP16746987.3
(47) 11.09.2019
(87) US2016015029
11.08.2016
(22) 27.01.2016
(54) APPARATUSES AND METHODS FOR PARALLEL WRITING TO MULTIPLE MEMORY DEVICE LOCATIONS
(73) Micron Technology, Inc.
(72) ZAWODNY, Jason T.
HUSH, Glen E.
MANNING, Troy A.
FINKBEINER, Timothy P.
(31) 201562112868 P
(32) 06.02.2015

(33) United States of America

(51) G11C 7/10
(11) EP2587486
(21) EP12189371.3
(47) 11.09.2019
(22) 22.10.2012
(54) Time division multiplexed multiport memory
(73) Altera Corporation
(72) Lewis, David
(31) 201113284721
(32) 28.10.2011
(33) United States of America

(51) G11C 8/08
G11C 8/10
G11C 16/08
G11C 5/14
G11C 8/12
G11C 16/30
(11) EP3136397
(21) EP16161986.1
(47) 11.09.2019
(22) 23.03.2016
(54) ROW DECODER FOR A NON-VOLATILE MEMORY DEVICE AND A NON-VOLATILE MEMORY DEVICE
(73) STMicroelectronics S.r.l.
(72) POLIZZI, Salvatore
CAMPARDO, Giovanni
(31) UB20153235
(32) 26.08.2015
(33) Italy

(51) G11C 8/16
G11C 8/14
G11C 11/419
G11C 7/12
G11C 7/18
(11) EP2648187
(21) EP13161832.4
(47) 11.09.2019
(22) 29.03.2013
(54) Write contention-free, noise-tolerant multiport bitcell
(73) NXP USA, Inc.
(72) Ashok, Ambica
Ramaraju, Ravindraraj
Russell, Andrew C
(31) 201213441414
(32) 06.04.2012
(33) United States of America

(51) G11C 11/405
G11C 11/4097
(11) EP3309789
(21) EP17195862.2
(47) 11.09.2019
(22) 11.10.2017
(54) A MEMORY DEVICE FOR A DYNAMIC RANDOM ACCESS MEMORY
(73) IMEC vzw
(72) VAN HOUDT, Jan
RYCKAERT, Julien
OH, Hyungrock
(31) 16193247
(32) 11.10.2016
(33) European Patent Office (EPO)

(51) G11C 11/406
G11C 11/4096
G11C 11/4091
G06F 3/06
G06F 12/02
G06F 12/1009
(11) EP3142120
(21) EP15805953.5
(47) 11.09.2019
(87) CN2015080989
17.12.2015
(22) 08.06.2015
(54) METHOD, DEVICE AND SYSTEM FOR REFRESHING DYNAMIC RANDOM ACCESS MEMORY (DRAM)
(73) Huawei Technologies Co., Ltd.
(72) CUI, Zehan
CHEN, Mingyu
HUANG, Yongbing
(31) 201410253514
(32) 09.06.2014
(33) China

(51) G11C 11/406
G11C 29/02
G11C 29/50
G11C 11/4072
G11C 11/408
G06F 13/16
(11) EP3454337
(21) EP17189685.5
(47) 11.09.2019
(22) 06.09.2017
(54) USING RUNTIME REVERSE ENGINEERING TO OPTIMIZE DRAM REFRESH
(73) TU Kaiserslautern
(72) Deepak, Molly Mathew
Jung, Matthias
Weis, Christian
Wehn, Norbert

(51) G11C 11/419
G11C 11/00
G11C 11/16
G11C 14/00
(11) EP3092646
(21) EP15700434.2
(47) 11.09.2019
(87) EP2015050179
16.07.2015
(22) 07.01.2015
(54) METHOD AND CIRCUIT FOR PROGRAMMING NON-VOLATILE MEMORY CELLS OF A VOLATILE/NON-VOLATILE MEMORY ARRAY
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
Centre National de la Recherche Scientifique
(72) JAVERLIAC, Virgile
LAYER, Christophe
(31) 1450198
(32) 10.01.2014
(33) France

(51) G11C 13/00
(11) EP3239983
(21) EP17165614.3
(47) 11.09.2019
(22) 07.04.2017
(54) UNIPOLAR RESISTIVE MEMORY
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(72) GIRAUD, Bastien
LEVISSE, Alexandre
NOEL, Jean-Philippe
(31) 1653902
(32) 29.04.2016
(33) France

(51) G11C 16/10
G11C 16/12
G11C 29/24
G11C 29/50
H01L 27/115
G11C 29/02
G11C 16/04
G11C 29/04
(11) EP3086322
(21) EP16165667.3
(47) 11.09.2019
(22) 15.04.2016
(54) METHOD FOR DETERMINING AN OPTIMAL VOLTAGE PULSE FOR PROGRAMMING A FLASH MEMORY CELL
(73) COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES
(72) COIGNUS, Jean
(31) 1553558
(32) 21.04.2015
(33) France

(51) G11C 19/28
(11) EP2787508
(21) EP12790779.8
(47) 11.09.2019
(87) CN2012084399
30.05.2013
(22) 09.11.2012
(54) DRIVE CIRCUIT, SHIFT REGISTER, GATE DRIVE, ARRAY SUBSTRATE AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
Hefei BOE Optoelectronics Technology Co., Ltd.
(72) MA, Rui
SHAO, Xianjie
WANG, Guolei
HU, Ming
LIM, Byung Cheon
TU, Zhizhong
(31) 201110381991
(32) 25.11.2011
(33) China

(51) G11C 29/50
(11) EP2487689
(21) EP12154237.7
(47) 11.09.2019
(22) 07.02.2012
(54) Digital method to obtain the I-V curves of NVM bitcells
(73) NXP USA, Inc.
(72) He, Chen
Eguchi, Richard K
(31) 201113025712
(32) 11.02.2011
(33) United States of America

(51) G16B 15/00
G01N 33/557
(11) EP2980717
(21) EP15178630.8
(47) 11.09.2019

(22) 28.07.2015
(54) DEVICE, NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM, AND METHOD FOR DETERMINING TYPE OF TARGET PEPTIDE
(73) SYSMEX CORPORATION
(72) Miura, Yukiko
Kabata, Hiroyuki
(31) 2014154333
(32) 29.07.2014
(33) Japan

(51) G16B 20/40
(11) EP2399214
(21) EP10704279.8
(47) 11.09.2019
(87) US2010023312
12.08.2010
(22) 05.02.2010
(54) METHOD FOR SELECTING STATISTICALLY VALIDATED CANDIDATE GENES
(73) Syngenta Participations AG
(72) KISHORE, Venkata, Krishna
GUO, Zhigang
LI, Min
WANG, Daolong
GUTIERREZ ROJAS, Libardo, Andres
CLARKE, Joseph, Dallas, V.
BYRUM, Joseph
(31) 367045
(32) 06.02.2009
(33) United States of America

(51) G16B 40/10
G16B 25/20
C12Q 1/6816
(11) EP2430569
(21) EP10775622.3
(47) 11.09.2019
(87) US2010034969
18.11.2010
(22) 14.05.2010
(54) SYSTEMS AND METHODS FOR AUTOMATED MELTING CURVE ANALYSIS
(73) BioFire Defense, LLC
University of Utah Research Foundation
(72) ROBBINS, Thomas Charles
PALAIS, Robert Andrew
WITTWER, Carl Thomas
(31) 178886 P
(32) 15.05.2009
(33) United States of America

(51) G16H 20/13
A61J 7/00
(11) EP3226826
(21) EP15813660.6
(47) 11.09.2019
(87) US2015064105
09.06.2016
(22) 04.12.2015
(54) MANAGING MEDICATIONS AT THE BEDSIDE
(73) CareFusion 303, Inc.
(72) LATORRACA, Gary
LARRABEE, Kelly
UTECH, Thomas
URANKAR, Jitendra
ELDREDGE, Guy
BURGESS, Brendan
JASKELA, Maria
(31) 201462088503 P
(32) 05.12.2014
(33) United States of America

(51) G16H 40/63
(11) EP2684549
(21) EP13176406.0
(47) 11.09.2019
(22) 12.07.2013
(54) Monitoring systems devices and methods for patient lifts
(73) Liko Research & Development AB
(72) Dixon, Steven A.
Johnson, Nelda R.
Howell, Benjamin E.
Bishop, William Brian
Saucier, Christian
Girardeau, David M.
Shenk, Joshua W.
Rempel, Kelli F.
Schuman, Richard J.
Pesot, Whitney
Roehl, Erik
Dovervik, Elin
Lundberg, David
Youngstrom, Hanna
Ringbjer, Catherine
Arespong, Ronnie
Eklof, Lars
Ribble, David
(31) 201261671048 P
201361798207 P
201361801492 P
(32) 12.07.2012
15.03.2013
15.03.2013
(33) United States of America
United States of America
United States of America

(51) G21C 1/16
G21C 1/22
G21C 5/02
G21C 19/14
G21C 19/19
G21C 5/12
G21C 11/06
G21D 9/00
(11) EP3144938
(21) EP16189274.0
(47) 11.09.2019
(22) 16.09.2016
(54) MOLTEN SALT REACTOR
(73) Utah Green Energy Technologies, LLC
(72) Hansen, M. Sheldon
(31) 201514859100
(32) 18.09.2015
(33) United States of America

(51) G21C 15/00
F22B 37/54
F22B 1/02
F22B 37/20
F22B 37/48
G21D 1/00
C23F 11/00
F28F 19/06
F28F 19/00
F28D 7/06
C23C 16/50
C23F 14/02
F01K 5/02
(11) EP2816565
(21) EP12868602.9
(47) 11.09.2019
(87) KR2012001332
22.08.2013
(22) 22.02.2012
(54) SLUDGE-REDUCTION STEAM GENERATOR
(73) Korea Hydro Nuclear Power Co., Ltd.
(72) KIM, Han Sang
(31) 20120015321
(32) 15.02.2012
(33) Korea (Republic)

(51) G21K 1/02
A61B 6/00
G01N 23/20
(11) EP3105763
(21) EP15710011.6
(47) 11.09.2019
(87) JP2015054503
20.08.2015
(22) 12.02.2015
(54) X-RAY TALBOT INTERFEROMETER AND X-RAY TALBOT INTERFEROMETER SYSTEM
(73) Canon Kabushiki Kaisha
(72) HANDA, Soichiro
(31) 2014026677
(32) 14.02.2014
(33) Japan

(51) G21K 1/06
(11) EP2710610
(21) EP12728320.8
(47) 11.09.2019
(87) IB2012052425
22.11.2012
(22) 15.05.2012
(54) X-RAY OPTICAL SYSTEM
(73) Rigaku Innovative Technologies Europe S.r.o.
(72) INNEMAN, Adolf
MARSIKOVA, Veronika
PINA, Ladislav
HUDEC, Rene
(31) 20110297
(32) 17.05.2011
(33) Czech Republic

(51) H01B 7/295
C08L 23/08
H01L 31/048
(11) EP2841493
(21) EP13720793.2
(47) 11.09.2019
(87) EP2013001278
31.10.2013
(22) 29.04.2013
(54) FLAME RETARDANT POLYMER COMPOSITION
(73) Borealis AG
(72) ANDREASSON, Urban
UEMATSU, Takashi
SULTAN, Bernt-Åke
ANKER, Martin
PRIETO, Oscar

(31) 12002996
(32) 27.04.2012
(33) European Patent Office (EPO)

(51) H01C 7/12
H01R 13/66
H02H 9/04
(11) EP3384509
(21) EP17703206.7
(47) 11.09.2019
(87) GB2017050105
27.07.2017
(22) 18.01.2017
(54) VARISTORS
(73) MPE IP Limited
(31) 201600953
201611360
(32) 19.01.2016
30.06.2016
(33) United Kingdom
United Kingdom

(51) H01F 3/08
H01F 7/08
H01F 7/11
H01F 7/16
F16K 31/06
(11) EP2752858
(21) EP13191513.4
(47) 11.09.2019
(22) 05.11.2013
(54) Method for manufacturing a solenoid control valve
(73) ROBERT BOSCH GMBH
(72) Beier, Marco
(31) 102012224385
(32) 27.12.2012
(33) Germany

(51) H01F 27/30
H01F 38/12
(11) EP3149751
(21) EP15731696.9
(47) 11.09.2019
(87) IB2015053865
03.12.2015
(22) 25.05.2015
(54) HIGH-VOLTAGE TRANSFORMER
(73) Castfutura S.p.A.
(72) BIANCHI, Raoul
DE CASTRO, Francesco
CORBELLA, Marco
(31) GE20140050
(32) 27.05.2014
(33) Italy

(51) H01F 27/32
H01F 19/04
H03B 11/00
H04B 1/00
(11) EP3381042
(21) EP16805489.8
(47) 11.09.2019
(87) GB2016053638
01.06.2017
(22) 23.11.2016
(54) RF TRANSMITTER AND METHOD OF MANUFACTURE THEREOF
(73) BAE Systems PLC
(72) PARKER, Michael, James
MOORE, Ian, Anthony
SCOTT, Daniel, James
(31) 201521048
(32) 25.11.2015
(33) United Kingdom

(51) H01G 9/20
(11) EP3220399
(21) EP15859283.2
(47) 11.09.2019
(87) JP2015080975
19.05.2016
(22) 04.11.2015
(54) ELECTROLYTE FOR DYE-SENSITIZED PHOTOELECTRIC CONVERSION ELEMENTS FOR LOW LUMINANCE, AND DYE-SENSITIZED PHOTOELECTRIC CONVERSION ELEMENT FOR LOW LUMINANCE USING SAME
(73) Fujikura Ltd.
(72) KATSUMATA Kenji
MATSUMOTO Daisuke
(31) 2014230017
(32) 12.11.2014
(33) Japan

(51) H01G 11/14
H02J 7/00
H01G 9/00
H01G 9/28
H01G 11/18
H02J 7/34
H02J 9/04
(11) EP3190599
(21) EP15875123.0
(47) 11.09.2019
(87) CN2015098115
07.07.2016
(22) 21.12.2015
(54) CHARGING METHOD AND DEVICE
(73) Huawei Technologies Co. Ltd.
(72) PENG, Qi
(31) 201410843040
(32) 30.12.2014
(33) China

(51) H01H 3/28
H01H 3/54
H01H 39/00
H01H 9/02
H01H 1/36
H01H 9/16
H01H 3/22
H05K 9/00
(11) EP3175466
(21) EP15754106.1
(47) 11.09.2019
(87) DE2015100320
04.02.2016
(22) 30.07.2015
(54) ELECTRIC SWITCH, IN PARTICULAR FOR HIGH VOLTAGES AND/OR HIGH CURRENTS
(73) Lell, Peter
(72) Lell, Peter
(31) 102014110825
(32) 30.07.2014
(33) Germany

(51) H01H 9/02
(11) EP2261936
(21) EP10005947.6
(47) 11.09.2019
(22) 09.06.2010
(54) REMOTE CONTROL
(73) fm marketing gmbh
(72) Maier, Ferdinand
(31) 202009008197 U
(32) 09.06.2009
(33) Germany

(51) H01H 9/02
H01H 9/16
H05B 37/02
H01H 71/00
(11) EP3007195
(21) EP15187964.0
(47) 11.09.2019
(22) 01.10.2015
(54) PROGRAMMABLE SWITCH
(73) Finder S.P.A.
(72) LA ROTONDA, Remo
(31) TO20140812
(32) 10.10.2014
(33) Italy

(51) H01H 9/26
H01H 31/00
H01H 31/10
(11) EP3089186
(21) EP15165985.1
(47) 11.09.2019
(22) 30.04.2015
(54) ELECTRICAL SWITCHGEAR AND METHOD OF OPERATING AN ELECTRICAL SWITCHGEAR
(73) General Electric Technology GmbH
(72) Baldo, Fabio
Girlando, Vincenzo
Nienrodt, Frank
Drews, Lutz, Dr. Ing.

(51) H01H 9/54
H01H 33/59
H01H 9/02
H01H 9/50
H01L 31/02
H01H 1/20
(11) EP3320553
(21) EP16732492.0
(47) 11.09.2019
(87) EP2016063156
12.01.2017
(22) 09.06.2016
(54) SEPARATING DEVICE FOR DIRECT CURRENT INTERRUPTION
(73) Ellenberger & Poensgen GmbH
(72) KÖPF, Hendrik-Christian
WILKENING, Ernst-Dieter
(31) 102015212802
(32) 08.07.2015
(33) Germany

(51) H01H 33/12
H01H 33/666
H01H 3/46
(11) EP3046129
(21) EP15305036.4
(47) 11.09.2019
(22) 15.01.2015
(54) Shunt breaking system
(73) Schneider Electric Industries SAS
(72) Agrawal, Ashish

(51) H01H 50/14

H05K 3/30
H01R 12/58
(11) EP3047498
(21) EP14771283.0
(47) 11.09.2019
(87) EP2014069864
26.03.2015
(22) 18.09.2014
(54) ACTIVE ELECTRICAL COMPONENT
(73) TE Connectivity Germany GmbH
(72) BIEHL, Wilfried
ZIEGLER, Titus
KOCH, Harry
HAEHNEL, Thomas
(31) 102013219009
(32) 20.09.2013
(33) Germany

(51) H01H 71/04
H01H 71/46
H01H 71/02
(11) EP3292558
(21) EP16722487.2
(47) 11.09.2019
(87) US2016030539
10.11.2016
(22) 03.05.2016
(54) ELECTRICAL SWITCHING APPARATUS AND TRIP ASSEMBLY THEREFOR
(73) Eaton Corporation
(72) KLINE, Kameron James
JANUSEK, Mark
DEVINE, Jack Edward
TURNER, David
(31) 201514706061
(32) 07.05.2015
(33) United States of America

(51) H01H 83/14
H01F 38/30
H01F 38/38
H01F 27/02
H01F 38/40
(11) EP3340272
(21) EP17204905.8
(47) 11.09.2019
(22) 01.12.2017
(54) ALL-CURRENT SENSITIVE CORE BALANCE TRANSFORMER, ELECTROMECHANICAL PROTECTIVE SWITCHING DEVICE AND PRODUCTION METHOD
(73) Siemens Aktiengesellschaft
(72) Bierschneider, Alois
Franzen, Daniel
Mayer, Sonja
(31) 102016225879
(32) 21.12.2016
(33) Germany

(51) H01J 9/02
H01J 1/304
H01J 3/02
(11) EP3371820
(21) EP16794547.6
(47) 11.09.2019
(87) EP2016076298
11.05.2017
(22) 01.11.2016
(54) ELECTRON EMISSION ELECTRODE AND PROCESS FOR PRODUCTION THEREOF
(73) Gottfried Wilhelm Leibniz Universität Hannover
(72) RISSING, Lutz
KUSCH, Alexander
STOMPE, Manuel
ZIMMERMANN, Stefan
BUNERT, Erik
(31) 102015118805
(32) 03.11.2015
(33) Germany

(51) H01J 35/16
H01J 35/08
(11) EP3394876
(21) EP16820256.2
(47) 11.09.2019
(87) EP2016082133
29.06.2017
(22) 21.12.2016
(54) TARGET ASSEMBLY FOR AN X-RAY EMISSION APPARATUS AND X-RAY EMISSION APPARATUS
(73) Nikon Metrology NV
(72) HAIG, Ian, George
(31) 201522885
(32) 23.12.2015
(33) United Kingdom

(51) H01J 49/04
H01J 49/16
(11) EP2700086
(21) EP12721575.4
(47) 11.09.2019
(87) GB2012050888
26.10.2012
(22) 20.04.2012
(54) ATMOSPHERIC PRESSURE ION SOURCE BY INTERACTING HIGH VELOCITY SPRAY WITH A TARGET
(73) Micromass UK Limited
(72) BAJIC, Stevan
(31) 201106694
201161478725 P
201204937
201261614734 P
(32) 20.04.2011
25.04.2011
21.03.2012
23.03.2012
(33) United Kingdom
United States of America
United Kingdom
United States of America

(51) H01J 49/04
H01J 49/16
(11) EP2737517
(21) EP12753190.3
(47) 11.09.2019
(87) GB2012051782
31.01.2013
(22) 25.07.2012
(54) MALDI SAMPLE PREPARATION METHODS
(73) Kratos Analytical Limited
(72) SCHMITZ, Oliver J.
WULF, Volker
HYZAK, Lukas
WIRTZ, Michaela
MELCHIOR, David
KLING, Hans Willi
GÄB, Siegmar
(31) 201112892
(32) 26.07.2011
(33) United Kingdom

(51) H01J 49/24
H01J 49/42
G01N 27/62
G01N 30/72
H01J 49/00
(11) EP2924425
(21) EP12888969.8
(47) 11.09.2019
(87) JP2012080327
30.05.2014
(22) 22.11.2012
(54) TANDEM QUADRUPOLE MASS SPECTROMETER
(73) Shimadzu Corporation
(72) UEDA, Manabu

(51) H01J 49/42
H01J 49/00
(11) EP2308077
(21) EP09761204.8
(47) 11.09.2019
(87) CA2009000805
17.12.2009
(22) 08.06.2009
(54) METHOD OF OPERATING TANDEM ION TRAPS
(73) DH Technologies Development Pte. Ltd.
(72) GUNA, Mircea
LONDRY, Frank
(31) 59962 P
120674 P
(32) 09.06.2008
08.12.2008
(33) United States of America
United States of America

(51) H01J 61/12
H01J 61/33
H01J 61/52
H01J 65/04
H01J 61/32
(11) EP2618362
(21) EP13000279.3
(47) 11.09.2019
(22) 21.01.2013
(54) Light emitter and method for its operation
(73) Karlsruher Institut für Technologie
(72) Kaiser, Christoph
(31) 102012001000
(32) 20.01.2012
(33) Germany

(51) H01K 1/32
H01K 1/26
(11) EP3014649
(21) EP14732902.3
(47) 11.09.2019
(87) EP2014063536
31.12.2014
(22) 26.06.2014
(54) LAMP AND HEADLIGHTING ARRANGEMENT FOR OBTAINING A COLOR APPEARANCE IN AN AUTOMOTIVE HEADLIGHT

(73) Lumileds Holding B.V.
(72) KOWALSKI, Jacek Maciej
PLAWSKI, Wiktor
MAMENAS, Tomasz Michal
KOZAR, Piotr Jerzy
MAREK, Mateusz Wojciech
KUEPPER, Lukas
DOHMEN, Hans-Alo
ZYDORCZYK, Anna Justyna
(31) 13173915
(32) 27.06.2013
(33) European Patent Office (EPO)
(51) H01L 21/02
H01L 21/48
H01L 21/762
H01L 21/768
H01L 23/48
(11) EP2423947
(21) EP11169049.1
(47) 11.09.2019
(22) 08.06.2011
(54) Process of forming an electronic device including a feature in a trench
(73) Semiconductor Components Industries, LLC
(72) Parsey, John Michael, Jr
Grivna, Gordon
(31) 871390
(32) 30.08.2010
(33) United States of America
(51) H01L 21/02
H01L 27/102
H01L 29/861
G11C 17/00
G11C 17/14
H01L 49/02
H01L 27/10
(11) EP2408001
(21) EP11005601.7
(47) 11.09.2019
(22) 07.07.2011
(54) Memory element comprising a fuse in parallel with an anti-fuse
(73) Avago Technologies International Sales Pte. Limited
(72) Buer, Myron
(31) 364248 P
34395
(32) 14.07.2010
24.02.2011
(33) United States of America
United States of America
(51) H01L 21/20
H01L 21/68
B81C 3/00
(11) EP3306650
(21) EP15903951.0
(47) 11.09.2019
(87) CN2015094796
23.03.2017
(22) 17.11.2015
(54) PLASMA-ASSISTED MICROSTRUCTURE ALIGNMENT AND PRE-BONDING METHOD OF GLASS OR QUARTZ CHIP
(73) Beijing University of Technology
(72) GUO, Guangsheng
WANG, Siyu
PU, Qiaosheng
WANG, Xiayan
(31) 201510598724
(32) 18.09.2015
(33) China
(51) H01L 21/205
C23C 16/34
C30B 29/38
H01L 21/20
H01L 21/338
H01L 29/778
H01L 29/812
C30B 25/18
C30B 29/40
H01L 21/02
H01L 29/04
H01L 29/20
H01L 29/205
(11) EP2538435
(21) EP10846176.5
(47) 11.09.2019
(87) JP2010071582
25.08.2011
(22) 02.12.2010
(54) EPITAXIAL SUBSTRATE AND METHOD FOR PRODUCING SAME
(73) NGK Insulators, Ltd.
(72) MIYOSHI Makoto
SUMIYA Shigeaki
ICHIMURA Mikiya
MAEHARA Sota
TANAKA Mitsuhiro
(31) 2010131019
2010031281
(32) 08.06.2010
16.02.2010
(33) Japan
Japan
(51) H01L 21/311
(11) EP3086359
(21) EP16166355.4
(47) 11.09.2019
(22) 21.04.2016
(54) ETCHING METHOD
(73) TOKYO ELECTRON LIMITED
(72) Tominaga, Sho
Takayama, Wataru
Igarashi, Yoshiki
(31) 2015087900
(32) 22.04.2015
(33) Japan
(51) H01L 21/311
H01L 21/027
(11) EP2975633
(21) EP14785929.2
(47) 11.09.2019
(87) JP2014060307
23.10.2014
(22) 09.04.2014
(54) METHOD FOR FORMING PATTERN
(73) Tokyo Electron Limited
(72) MORIKITA Shinya
NISHIMURA Eiichi
YAMASHITA Fumiko
(31) 2013085940
(32) 16.04.2013
(33) Japan
(51) H01L 21/311
H01L 21/768
(11) EP3414775
(21) EP17707380.6
(47) 11.09.2019
(87) FR2017050260
17.08.2017
(22) 03.02.2017
(54) METHOD OF FABRICATING VIAS ON A CHIP
(73) Commissariat à l'énergie atomique et aux énergies alternatives
(72) POSSEME, Nicolas
MAZEL, Yann
(31) 1650994
(32) 09.02.2016
(33) France
(51) H01L 21/3205
H01L 21/288
H01L 21/336
H01L 21/768
H01L 29/786
H01L 21/033
H01L 29/45
H01L 29/49
H01L 27/12
H05K 3/12
(11) EP2824695
(21) EP13757980.1
(47) 11.09.2019
(87) JP2013053398
12.09.2013
(22) 13.02.2013
(54) PATTERN FORMING METHOD
(73) FUJIFILM Corporation
(72) MIYAMOTO, Kimiaki
(31) 2012048030
(32) 05.03.2012
(33) Japan
(51) H01L 21/331
H01L 29/78
H01L 29/739
(11) EP3026695
(21) EP14829488.7
(47) 11.09.2019
(87) CN2014082816
29.01.2015
(22) 23.07.2014
(54) METHOD FOR MANUFACTURING INJECTION-ENHANCED INSULATED-GATE BIPOLAR TRANSISTOR
(73) CSMC Technologies Fab2 Co., Ltd.
(72) WANG, Wanli
DENG, Xiaoshe
WANG, Genyi
HUANG, Xuan
(31) 201310312223
(32) 23.07.2013
(33) China
(51) H01L 21/677
B65D 55/02
B65D 85/86
H01L 21/673
(11) EP2863423
(21) EP13804749.3
(47) 11.09.2019
(87) JP2013058840
19.12.2013
(22) 26.03.2013
(54) LID OPENING/CLOSING DEVICE
(73) Murata Machinery, Ltd.

(72) KURATSU Noriyuki
(31) 2012134830
(32) 14.06.2012
(33) Japan

(51) H01L 21/768
H01L 23/48
H01L 23/498
H01L 25/065
B23K 20/00
H05K 3/40
(11) EP3410470
(21) EP18182981.3
(47) 11.09.2019
(22) 20.03.2006
(54) SEMICONDUCTOR COMPONENTS WITH THROUGH WIRE INTERCONNECTS
(73) Micron Technology, Inc.
(72) HEMBREE, David R.
(31) 102408
(32) 08.04.2005
(33) United States of America

(51) H01L 21/768
H01L 23/528
(11) EP3327762
(21) EP17203759.0
(47) 11.09.2019
(22) 27.11.2017
(54) INTERCONNECT STRUCTURE AND MANUFACTURING METHOD THEREOF
(73) Semiconductor Manufacturing International (Shanghai) Corporation
Semiconductor Manufacturing International (Beijing) Corporation
(72) HE, Zuopeng
ZHU, Jiguang
(31) 201611066883
(32) 29.11.2016
(33) China

(51) H01L 21/8258
H01L 23/00
H01L 27/06
H01L 27/085
H01L 27/092
H02M 7/00
(11) EP2518880
(21) EP12165466.9
(47) 11.09.2019
(22) 25.04.2012
(54) INTEGRATED POWER STAGE
(73) Infineon Technologies Americas Corp.
(72) Briere, Michael A.
(31) 201161480058 P
201213454039
(32) 28.04.2011
23.04.2012
(33) United States of America
United States of America

(51) H01L 23/12
H01L 23/13
H01L 23/373
H05K 1/02
(11) EP3236495
(21) EP15869928.0
(47) 11.09.2019
(87) JP2015084921
23.06.2016
(22) 14.12.2015
(54) CIRCUIT SUBSTRATE AND ELECTRONIC DEVICE
(73) Kyocera Corporation
(72) KOORIYAMA,Shinichi
OGAWA,Narutoshi
KONAGAI,Masashi
OCHIAI,Kensou
NIINO,Noritaka
(31) 2014254180
(32) 16.12.2014
(33) Japan

(51) H01L 23/36
H01L 23/373
H01L 25/07
H01L 25/18
H05K 7/20
H01L 25/16
H01L 21/48
(11) EP2835823
(21) EP13772507.3
(47) 11.09.2019
(87) JP2013002253
10.10.2013
(22) 01.04.2013
(54) POWER CONVERTER
(73) Fuji Electric Co., Ltd.
(72) OKAMOTO, Kenji
WATANABE, Akane
(31) 2012083933
(32) 02.04.2012
(33) Japan

(51) H01L 23/367
H01L 23/373
G06F 1/20
G06F 1/16
H01L 23/40
(11) EP3248218
(21) EP16705347.9
(47) 11.09.2019
(87) US2016013814
28.07.2016
(22) 19.01.2016
(54) SANDWICH STRUCTURED COMPOSITE HOUSING FOR A DEVICE
(73) Microsoft Technology Licensing, LLC
(72) JENKINS, Kurt A.
BURRESS, Edward
NARAIN, Jaya
BERGESON, Robert J.
HILL, Andrew W.
STELLMAN, Taylor
(31) 201514603142
(32) 22.01.2015
(33) United States of America

(51) H01L 23/373
H01L 23/42
B23P 15/26
H05K 7/20
(11) EP2819158
(21) EP14173731.2
(47) 11.09.2019
(22) 24.06.2014
(54) Thermally conductive dielectric interface
(73) Henkel IP & Holding GmbH
(72) Timmerman, John
Hammond, Jeremy
Schmitz, Jeremy
(31) 201361839116 P
201414310231
(32) 25.06.2013
20.06.2014
(33) United States of America
United States of America

(51) H01L 23/433
H01L 23/495
(11) EP2605276
(21) EP12194468.0
(47) 11.09.2019
(22) 27.11.2012
(54) Packaged leadless semiconductor device
(73) NXP USA, Inc.
(72) Sanchez, Audel A.
Santos, Fernando A.
Viswanathan, Lakshminarayan
(31) 201113326636
(32) 15.12.2011
(33) United States of America

(51) H01L 23/492
(11) EP3198639
(21) EP15738271.4
(47) 11.09.2019
(87) EP2015001393
31.03.2016
(22) 08.07.2015
(54) METHOD FOR PRODUCING A SEMI-CONDUCTOR ARRANGEMENT AND CORRESPONDING SEMI-CONDUCTOR ARRANGEMENT
(73) Audi AG
(72) VETTER, Günter
APELSMEIER, Andreas
SUCKEL, Henning
(31) 102014014473
(32) 27.09.2014
(33) Germany

(51) H01L 23/495
H01L 21/56
H01L 21/48
H01L 23/31
(11) EP2953160
(21) EP15172276.6
(47) 11.09.2019
(22) 21.06.2013
(54) METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE PACKAGE
(73) NXP USA, Inc.
(72) DANIELS, Dwight L
HOOPER, Stephen R
MAGNUS, Alan J
POARCH, Justin E
(31) 201213537392
(32) 29.06.2012
(33) United States of America

(51) H01L 23/50
H01L 23/522
H01L 23/66
H01L 27/06
H03F 1/56
H03H 7/01
C07K 14/005
H03F 1/02
H03F 3/193
H04B 1/40
H03F 3/195
(11) EP3411904
(21) EP17705738.7

(47) 11.09.2019
(87) US2017016142
10.08.2017
(22) 02.02.2017
(54) COMPACT BYPASS AND DECOUPLING STRUCTURE FOR MILLIMETER-WAVE CIRCUITS
(73) Qualcomm Incorporated
(72) YEHEZKELY, Alon
KUPFERMAN, Sagi
(31) 201662290890 P
201715422434
(32) 03.02.2016
01.02.2017
(33) United States of America
United States of America

(51) H01L 23/52
H01L 23/12
G11C 5/02
G11C 11/401
H01L 23/31
H01L 25/065
H01L 23/48
H01L 25/18
(11) EP2553722
(21) EP11766502.6
(47) 11.09.2019
(87) US2011030544
13.10.2011
(22) 30.03.2011
(54) Memory Apparatus
(73) Micron Technology, Inc.
(72) KEETH, Brent
MORZANO, Christopher K.
(31) 750448
(32) 30.03.2010
(33) United States of America

(51) H01L 25/065
H01L 21/56
H01L 23/31
H01L 23/498
H01L 23/00
H01L 25/10
H01L 25/00
(11) EP3357087
(21) EP16778650.8
(47) 11.09.2019
(87) US2016054552
06.04.2017
(22) 29.09.2016
(54) PACKAGE-ON-PACKAGE DEVICE COMPRISING A GAP CONTROLLER BETWEEN INTEGRATED CIRCUIT PACKAGES
(73) Qualcomm Incorporated
(72) KUMAR, Rajneesh
KIM, Chin-Kwan
ROGGEMAN, Brian
(31) 201562236696 P
201615069525
(32) 02.10.2015
14.03.2016
(33) United States of America
United States of America

(51) H01L 25/07
H01L 25/18
H01R 13/24
H01R 12/70
H01R 13/05
(11) EP2757586
(21) EP13195357.2
(47) 11.09.2019
(22) 02.12.2013
(54) Semiconductor power module and method for manufacturing the same
(73) SEMIKRON Elektronik GmbH & Co. KG
(72) Kulas, Hartmut
(31) 102013200526
(32) 16.01.2013
(33) Germany

(51) H01L 27/12
H01L 29/66
H01L 29/786
H01L 29/24
H01L 21/368
H01L 21/02
C09D 1/00
C09D 5/24
(11) EP2962327
(21) EP14775599.5
(47) 11.09.2019
(87) JP2014059695
02.10.2014
(22) 26.03.2014
(54) COATING LIQUID FOR FORMING METAL OXIDE FILM, METAL OXIDE FILM, FIELD-EFFECT TRANSISTOR, AND METHOD FOR PRODUCING FIELD-EFFECT TRANSISTOR
(73) Ricoh Company, Ltd.
(72) NAKAMURA, Yuki
UEDA, Naoyuki
MATSUMOTO, Shinji
TAKADA, Mikiko
SONE, Yuji
SAOTOME, Ryoichi
ARAE, Sadanori
ABE, Yukiko
(31) 2013072954
2014042911
2014058359
(32) 29.03.2013
05.03.2014
20.03.2014
(33) Japan
Japan
Japan

(51) H01L 27/14
H01L 23/12
H04N 5/369
(11) EP3196939
(21) EP15821720.8
(47) 11.09.2019
(87) JP2015069971
21.01.2016
(22) 12.07.2015
(54) SOLID STATE IMAGING DEVICE AND MANUFACTURING METHOD THEREFOR
(73) Setech Co., Ltd.
(72) SEKINE, Hirokazu
(31) 2014147243
(32) 17.07.2014
(33) Japan

(51) H01L 27/146
(11) EP3340303
(21) EP17207777.8
(47) 11.09.2019
(22) 15.12.2017
(54) IMAGING 3D OPTO-ELECTRONIC MODULE
(73) 3D Plus
(72) GAMBART, Didier
(31) 1662823
(32) 20.12.2016
(33) France

(51) H01L 27/146
H01L 31/02
(11) EP2469599
(21) EP11195758.5
(47) 11.09.2019
(22) 27.12.2011
(54) X-ray detector
(73) Rigaku Corporation
(72) Tsuji, Yuji
Sakumura, Takuto
Ohya, Shinnichi
Tsukiyama, Akira
(31) 2010289678
(32) 27.12.2010
(33) Japan

(51) H01L 27/146
H04N 5/369
H04N 5/372
H04N 5/374
H04N 9/07
(11) EP2980849
(21) EP14773969.2
(47) 11.09.2019
(87) JP2014056827
02.10.2014
(22) 14.03.2014
(54) SEMICONDUCTOR IMAGE PICKUP ELEMENT, IMAGE PICKUP APPARATUS, ELECTRONIC APPARATUS, AND MANUFACTURING METHOD
(73) Sony Corporation
(72) OOKA Yutaka
MIYAZAWA Shinji
MAEDA Kensaku
YAMAMOTO Atsushi
(31) 2013062020
2013111768
(32) 25.03.2013
28.05.2013
(33) Japan
Japan

(51) H01L 27/32
(11) EP2827372
(21) EP14173390.7
(47) 11.09.2019
(22) 23.06.2014
(54) Flexible display device and method of fabricating the same
(73) LG Display Co., Ltd.
(72) Kim, Jong-Moo
Yoo, Juhn-Suk
(31) 20130085412
(32) 19.07.2013
(33) Korea (Republic)

(51) H01L 29/423
H01L 29/66
H01L 29/788

H01L 27/11521
H01L 27/11553
G11C 16/04
(11) EP2987183
(21) EP14724961.9
(47) 11.09.2019
(87) US2014034318
23.10.2014
(22) 16.04.2014
(54) NON-VOLATILE MEMORY CELL WITH SELF ALIGNED FLOATING AND ERASE GATES, AND METHOD OF MAKING SAME
(73) Silicon Storage Technology, Inc.
(72) DO, Nhan
KIM, Jinho
LIU, Xian
(31) 201361812685 P
201414252929
(32) 16.04.2013
15.04.2014
(33) United States of America
United States of America

(51) H01L 29/739
H01L 29/861
H01L 29/06
H01L 29/08
H01L 29/423
(11) EP3324443
(21) EP17199419.7
(47) 11.09.2019
(22) 31.10.2017
(54) SEMICONDUCTOR DEVICE
(73) Fuji Electric Co., Ltd.
(72) NAITO, Tatsuya
(31) 2016224266
2017082418
2017138605
2017176688
(32) 17.11.2016
18.04.2017
14.07.2017
14.09.2017
(33) Japan
Japan
Japan
Japan

(51) H01L 29/778
H01L 29/10
H01L 29/20
(11) EP3285302
(21) EP17001530.9
(47) 11.09.2019
(22) 15.02.2013
(54) LAYER STRUCTURE FOR A GROUP-III-NITRIDE NORMALLY-OFF TRANSISTOR
(73) AZUR SPACE Solar Power GmbH
(72) LUTGEN, Stephan
MURAD, Saad

(51) H01L 29/78
H01L 29/66
H01L 29/423
H01L 29/786
(11) EP2757590
(21) EP14151442.2
(47) 11.09.2019
(22) 16.01.2014
(54) Transistor with a gate coupeld to the ground plane
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
STmicroelectronics SA
(72) Giraud, Bastien
Noel, Jean-Philippe
Vinet, Maud
(31) 1350381
(32) 16.01.2013
(33) France

(51) H01L 29/786
H01L 29/49
H01L 29/66
H01L 29/423
H01L 21/205
H01L 21/314
(11) EP3179516
(21) EP14882168.9
(47) 11.09.2019
(87) CN2014091883
11.02.2016
(22) 21.11.2014
(54) MANUFACTURING METHOD FOR THIN-FILM TRANSISTOR, ARRAY SUBSTRATE, AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
(72) JIANG, Chunsheng
(31) 201410381849
(32) 05.08.2014
(33) China

(51) H01L 29/812
H01L 29/808
H01L 29/78
H01L 29/10
H01L 29/872
H01L 29/06
H01L 29/16
(11) EP2599125
(21) EP11741671.9
(47) 11.09.2019
(87) FR2011051683
02.02.2012
(22) 13.07.2011
(54) SEMICONDUCTOR STRUCTURE FOR AN ELECTRONIC POWER SWITCH
(73) Institut National des Sciences Appliquées de Lyon
Centre National de la Recherche Scientifique
(72) TOURNIER, Dominique
BROSSELARD, Pierre
CHEVALIER, Florian
(31) 1056285
(32) 29.07.2010
(33) France

(51) H01L 31/0224
H01L 31/18
C03C 17/34
C03C 17/36
H01L 31/0236
(11) EP2717320
(21) EP12793834.8
(47) 11.09.2019
(87) CN2012070984
06.12.2012
(22) 09.02.2012
(54) PREPARATION METHOD FOR SURFACE-TEXTURED CONDUCTIVE GLASS AND ITS APPLICATION FOR SOLAR CELLS
(73) Huizhou E-Fly Solar Co., Ltd.
(72) WANG, Yang
(31) 201110141276
(32) 28.05.2011
(33) China

(51) H01L 31/0236
H01L 31/18
H01L 31/068
C03C 23/00
C03C 17/34
(11) EP3025375
(21) EP14744304.8
(47) 11.09.2019
(87) EP2014065833
29.01.2015
(22) 23.07.2014
(54) METHOD FOR PRODUCING A SOLAR CELL, IN PARTICULAR A SILICON THIN-FILM SOLAR CELL
(73) Lilas GmbH
(72) LISSOTSCHENKO, Vitalij
(31) 102013107910
(32) 24.07.2013
(33) Germany

(51) H01L 31/04
B64G 1/44
(11) EP2230548
(21) EP10152422.1
(47) 11.09.2019
(22) 02.02.2010
(54) Apparatus for converting incident photons into direct current
(73) Lockheed Martin Corporation
(72) Evans, Matthew H
(31) 388699
(32) 19.02.2009
(33) United States of America

(51) H01L 31/049
H02S 30/20
H01L 31/0392
(11) EP3241244
(21) EP15823750.3
(47) 11.09.2019
(87) IB2015002353
07.07.2016
(22) 15.12.2015
(54) APPARATUS FOR SUPPORTING AND TRANSPORTING A PHOTOVOLTAIC SUB-MODULE DURING PROCESSING
(73) Flisom AG
(72) OLDRIDGE, John
KERN, Roland
(31) 201462097618 P
PCT/EP2014/025030
(32) 30.12.2014
30.12.2014
(33) United States of America
World Intellectual Property Office (WIPO)

(51) H01L 31/05
B64G 1/44
H01L 31/048
H02S 30/20
H01L 31/041
B64G 1/54
(11) EP2680319
(21) EP13020021.5

(47) 11.09.2019
(22) 22.05.2013
(54) Method for manufacturing a solar cell array
(73) SolAero Technologies Corp.
(72) Tourino, Cory
(31) 201213535570
(32) 28.06.2012
(33) United States of America

(51) H01L 31/05
H01L 31/0224
(11) EP3324448
(21) EP17202326.9
(47) 11.09.2019
(22) 17.11.2017
(54) SOLAR CELL PANEL
(73) LG Electronics Inc.
(72) LEE, Jinhyung
PARK, Sangwook
(31) 20160153485
(32) 17.11.2016
(33) Korea (Republic)

(51) H01L 31/18
H01L 31/0693
H01L 31/0304
H01L 31/0687
(11) EP2610924
(21) EP11010224.1
(47) 11.09.2019
(22) 27.12.2011
(54) Inverted metamorphic multijunction solar cell with two metamorphic layers and homojunction top cell
(73) SolAero Technologies Corp.
(72) Cornfeld, Arthur
Spann, John
Patel, Pravin
Stan, Mark A.
Cho, Benjamin
Sharps, Paul R.
Aiken, Daniel J.

(51) H01L 33/02
H01L 33/30
H01L 33/10
H01L 33/14
(11) EP2816615
(21) EP14172841.0
(47) 11.09.2019
(22) 17.06.2014
(54) Light emitting device and lighting system
(73) LG Innotek Co., Ltd.
(72) Hong, Ki Yong
(31) 20130069663
(32) 18.06.2013
(33) Korea (Republic)

(51) H01L 33/20
H01L 33/38
H01L 33/22
H01L 33/44
H01L 33/00
(11) EP2772949
(21) EP14156951.7
(47) 11.09.2019
(22) 27.02.2014
(54) Semiconductor light emitting element
(73) Nichia Corporation
(72) Matsumura, Hiroaki
(31) 2013039587
2014031939
(32) 28.02.2013
21.02.2014
(33) Japan
Japan

(51) H01L 33/38
H01L 21/28
H01L 21/288
H01L 33/32
H01L 33/44
H01L 33/46
(11) EP3279951
(21) EP15887664.9
(47) 11.09.2019
(87) JP2015060588
06.10.2016
(22) 03.04.2015
(54) NITRIDE-SEMICONDUCTOR ULTRAVIOLET-LIGHT EMITTING ELEMENT
(73) Soko Kagaku Co., Ltd.
(72) HIRANO, Akira
IPPOMMATSU, Masamichi

(51) H01L 33/48
H01L 33/62
(11) EP2479809
(21) EP11180993.5
(47) 11.09.2019
(22) 13.09.2011
(54) Mold structure for light-emitting diode package
(73) Samsung Electronics Co., Ltd.
(72) Choi, Sun
Park, Jong-jin
(31) 20110005981
(32) 20.01.2011
(33) Korea (Republic)

(51) H01L 33/54
H01L 33/58
H01L 33/00
H01L 33/50
(11) EP3301729
(21) EP17193661.0
(47) 11.09.2019
(22) 28.09.2017
(54) LIGHT EMITTING DEVICE
(73) NICHIA CORPORATION
(72) SANO, Takayuki
(31) 2016194077
(32) 30.09.2016
(33) Japan

(51) H01L 33/54
H01L 33/58
H01L 33/00
H01L 33/56
(11) EP3033775
(21) EP14752409.4
(47) 11.09.2019
(87) IB2014062793
29.01.2015
(22) 02.07.2014
(54) LED DOME WITH INNER HIGH INDEX PILLAR
(73) Lumileds Holding B.V.
(72) LOPEZ, Toni
VAMPOLA, Kenneth
(31) 201361858658 P
(32) 26.07.2013
(33) United States of America

(51) H01L 33/64
H01L 33/20
(11) EP2220697
(21) EP08847190.9
(47) 11.09.2019
(87) GB2008003773
14.05.2009
(22) 10.11.2008
(54) ULTRA HIGH THERMAL PERFORMANCE PACKAGING FOR OPTOELECTRONICS DEVICES
(73) Lumileds Holding B.V.
(72) McKENZIE, James, Stuart
ZOOROB, Majd
(31) 0721957
(32) 08.11.2007
(33) United Kingdom

(51) H01L 33/64
H01L 33/48
H01L 25/075
(11) EP2337099
(21) EP10195768.6
(47) 11.09.2019
(22) 17.12.2010
(54) Light emitting device and lighting unit using the same
(73) LG Innotek Co., Ltd.
(72) Jang, Kee Youn
(31) 20090128530
(32) 21.12.2009
(33) Korea (Republic)

(51) H01L 39/14
H01L 39/24
H01B 12/06
(11) EP3175463
(21) EP15739625.0
(47) 11.09.2019
(87) EP2015066844
04.02.2016
(22) 23.07.2015
(54) PRECURSOR AND METHOD FOR PRODUCING A TAPE-SHAPED HIGH-TEMPERATURE SUPERCONDUCTOR
(73) BASF SE
(72) WOJTYNIAK, Brygida
WEIMANN, Viktor
BÄCKER, Michael
FALTER, Martina
(31) 14179212
(32) 31.07.2014
(33) European Patent Office (EPO)

(51) H01L 39/22
G01J 5/20
(11) EP3066699
(21) EP14793281.8
(47) 11.09.2019
(87) GB2014053274
14.05.2015
(22) 04.11.2014
(54) BOLOMETER
(73) THE UNIVERSITY OF WARWICK
VTT Technical Research Centre of Finland
(72) GUNNARSSON, David
PARKER, Evan
PREST, Martin
PRUNNILA, Mika
WHALL, Terence

(31) 201319617
(32) 06.11.2013
(33) United Kingdom

(51) H01L 41/047
H01L 41/083
F02M 51/06
(11) EP3101701
(21) EP14880620.1
(47) 11.09.2019
(87) JP2014072752
06.08.2015
(22) 29.08.2014
(54) LAMINATED PIEZOELECTRIC ELEMENT, AND INJECTION DEVICE AND FUEL-INJECTION SYSTEM CONTAINING SAID LAMINATED PIEZOELECTRIC ELEMENT
(73) Kyocera Corporation
(72) KATO,Takeshi
(31) 2014015700
(32) 30.01.2014
(33) Japan

(51) H01L 41/187
H01L 41/09
H02N 2/10
H02N 2/16
C04B 35/495
B41J 2/14
(11) EP2946418
(21) EP14705587.5
(47) 11.09.2019
(87) JP2014052187
07.08.2014
(22) 24.01.2014
(54) PIEZOELECTRIC MATERIAL, PIEZOELECTRIC DEVICE, AND ELECTRONIC APPARATUS
(73) Canon Kabushiki Kaisha
(72) MATSUDA, Takanori
WATANABE, Takayuki
MURAKAMI, Shunsuke
UEDA, Miki
(31) 2013014616
(32) 29.01.2013
(33) Japan

(51) H01L 41/22
H01L 41/113
H01L 41/04
A61B 5/024
(11) EP3005432
(21) EP14728482.2
(47) 11.09.2019
(87) EP2014060617
27.11.2014
(22) 23.05.2014
(54) METHOD FOR PRODUCING A FLEXIBLE PIEZOELECTRIC SENSOR
(73) Chambre de Commerce et d'Industrie de Region Paris Ile de France
Bodycap
(72) VALBIN, Laurie
ROUSSEAU, Lionel
VERJUS, Fabrice
(31) 1354708
(32) 24.05.2013
(33) France

(51) H01L 41/27
G06F 1/16
H01L 41/083
H01L 41/193
(11) EP3041059
(21) EP15197808.7
(47) 11.09.2019
(22) 03.12.2015
(54) MULTILAYER ACTUATOR AND DISPLAY DEVICE COMPRISING THE SAME
(73) LG Display Co., Ltd.
(72) LIM, MyungJin
CHOI, SuSeok
HAM, Yong-Su
KIM, Taeheon
LEE, YongWoo
CHOI, Seulgi
(31) 20140195977
20150085104
(32) 31.12.2014
16.06.2015
(33) Korea (Republic)
Korea (Republic)

(51) H01L 41/37
H01L 41/29
(11) EP2267807
(21) EP10182633.7
(47) 11.09.2019
(22) 29.06.2000
(54) Method for manufacturing piezoelectric macro-fiber composite actuator
(73) The Government of the United States of America as represented by the Administrator of the National Aeronautics and Space Adm.
(72) High, James
Wilkie, William
Bryant, Robert
Hellbaum, Richard
Jalink, Antony
Little, Bruce
Fox, Robert
Mirick, Paul
(31) 430677
(32) 29.10.1999
(33) United States of America

(51) H01L 41/45
H01L 41/27
H01L 41/297
H01L 41/193
H01L 41/047
H01L 41/083
(11) EP3127173
(21) EP15716461.7
(47) 11.09.2019
(87) EP2015057117
08.10.2015
(22) 31.03.2015
(54) ELECTROACTIVE ACTUATOR AND METHOD FOR ITS PRODUCTION
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) ALIANE, Abdelkader
BENWADIH, Mohammed
(31) 1452837
(32) 31.03.2014
(33) France

(51) H01L 43/14
H01L 21/56
B29C 45/14
G01R 33/00
G01R 33/07
H01L 43/06
H01L 43/12
H01L 25/16
H01L 43/04
(11) EP3048653
(21) EP16150995.5
(47) 11.09.2019
(22) 13.01.2016
(54) METHOD OF MAKING CURRENT SENSORS
(73) Melexis Technologies SA
(72) RACZ, Robert
CHEN, Jian
(31) 792015
(32) 22.01.2015
(33) Switzerland

(51) H01L 51/52
H01L 51/54
C09K 11/02
C07D 401/14
C07D 403/14
(11) EP2690681
(21) EP12762893.1
(47) 11.09.2019
(87) JP2012057520
04.10.2012
(22) 23.03.2012
(54) ORGANIC ELECTROLUMINESCENT ELEMENT
(73) Idemitsu Kosan Co., Ltd
(72) OGIWARA Toshinari
HOSOKAWA Chishio
(31) 2011068758
(32) 25.03.2011
(33) Japan

(51) H01L 51/54
(11) EP2630675
(21) EP11781577.9
(47) 11.09.2019
(87) GB2011001499
26.04.2012
(22) 18.10.2011
(54) ORGANIC LIGHT-EMITTING DEVICE AND METHOD
(73) Cambridge Display Technology Limited
Sumitomo Chemical Company Limited
(72) STEUDEL, Annette
FERNANDEZ, Oscar
(31) 201100630
201017626
201017628
(32) 14.01.2011
19.10.2010
19.10.2010
(33) United Kingdom
United Kingdom
United Kingdom

(51) H01L 51/54
(11) EP2732479
(21) EP12731309.6
(47) 11.09.2019
(87) EP2012002752
17.01.2013
(22) 29.06.2012
(54) COMPOUNDS FOR ORGANIC ELECTROLUMINESCENT DEVICES

(73) Merck Patent GmbH
(72) LUDEMANN, Aurélie
JULLIART, Alice
HAYER, Anna
GERHARD, Anja
JOOSTEN, Dominik
HEIL, Holger
ECKES, Fabrice
(31) 11005644
(32) 11.07.2011
(33) European Patent Office (EPO)

(51) H01L 51/54
C07C 13/72
C07C 211/54
(11) EP3345891
(21) EP16853895.7
(47) 11.09.2019
(87) KR2016011167
13.04.2017
(22) 06.10.2016
(54) AMINE COMPOUND AND ORGANIC LIGHT-EMITTING DEVICE COMPRISING SAME
(73) LG Chem, Ltd.
(72) HA, Jae Seung
HONG, Sung Kil
SUH, Sang Duk
(31) 20150140440
20160125684
(32) 06.10.2015
29.09.2016
(33) Korea (Republic)
Korea (Republic)

(51) H01L 51/56
(11) EP2404335
(21) EP10705659.0
(47) 11.09.2019
(87) JP2010052011
10.09.2010
(22) 04.02.2010
(54) METHOD FOR PRODUCING LIGHT-EMITTING DISPLAY DEVICE
(73) UDC Ireland Limited
(72) AIBA, Satoshi
TAKAHASHI, Toshiro
(31) 2009049726
2009294999
(32) 03.03.2009
25.12.2009
(33) Japan
Japan

(51) H01M 2/00
H01M 2/10
B60R 16/04
(11) EP3090453
(21) EP14830401.7
(47) 11.09.2019
(87) EP2014079493
09.07.2015
(22) 31.12.2014
(54) FIBER REINFORCED COMPOSITE PANEL AND VEHICLE BATTERY BOX MADE OF SAID PANEL
(73) Compagnie Plastic Omnium
(72) ANDRE, Gérald
CHERON, Hugues
(31) 201320891339 U
(32) 31.12.2013
(33) China

(51) H01M 2/02
(11) EP2975674
(21) EP15150533.6
(47) 11.09.2019
(22) 08.01.2015
(54) Fabrication method of battery
(73) Delta Electronics, Inc.
(72) Chen, Chin-Ming
Peng, Yen-Kai
(31) 103121500
(32) 23.06.2014
(33) Taiwan, Province of China

(51) H01M 2/02
H01M 2/34
H01M 10/04
H01M 10/42
H01M 2/10
H01M 2/20
B60L 3/00
B60L 3/12
B60L 58/21
B60L 50/64
(11) EP3259787
(21) EP16704642.4
(47) 11.09.2019
(87) EP2016053229
25.08.2016
(22) 16.02.2016
(54) METHOD FOR MANUFACTURING A BATTERY
(73) Audi AG
(72) HINTERBERGER, Michael
HELLENTHAL, Berthold
(31) 102015002147
(32) 18.02.2015
(33) Germany

(51) H01M 2/02
H01M 10/04
H01M 2/04
H01M 2/08
(11) EP3151303
(21) EP15187770.1
(47) 11.09.2019
(22) 30.09.2015
(54) SEMI-FINISHED PRODUCT, METHOD FOR THE PREPARATION OF A BUTTON CELL AND A BUTTON CELL
(73) VARTA Microbattery GmbH
(72) Kohls, Ulrich
Kreidler, Bernd

(51) H01M 2/08
H01M 2/02
H01M 2/26
H01M 2/06
H01M 2/30
H01M 2/34
(11) EP3246966
(21) EP16789645.5
(47) 11.09.2019
(87) KR2016004765
10.11.2016
(22) 04.05.2016
(54) POUCH-TYPE SECONDARY BATTERY INCLUDING ELECTRODE LEAD HAVING ELECTRICAL CURRENT LIMITING FUNCTION
(73) LG Chem, Ltd.
(72) CHO, Seung-Su
KIM, Jung-Jin
KIM, Jin-Young
JEONG, Gi-Su
JEONG, Won-Seok
CHOI, Seung-Don
HWANG, Won-Pill
(31) 20150063768
20150063769
(32) 07.05.2015
07.05.2015
(33) Korea (Republic)
Korea (Republic)

(51) H01M 2/10
(11) EP2808921
(21) EP14170305.8
(47) 11.09.2019
(22) 28.05.2014
(54) BATTERY MODULE
(73) Samsung SDI Co., Ltd.
(72) Kim, Myung-Chul
(31) 20130061182
(32) 29.05.2013
(33) Korea (Republic)

(51) H01M 2/10
(11) EP2901511
(21) EP13841239.0
(47) 11.09.2019
(87) US2013061826
03.04.2014
(22) 26.09.2013
(54) LEAD-ACID BATTERY POSITIVE PLATE AND ALLOY THEREFORE
(73) Exide Technologies
(72) WANG, Xiangjun
MIHARA, David Robert
ADANUVOR, Prosper
MATTAN, Edward
(31) 201261706846 P
(32) 28.09.2012
(33) United States of America

(51) H01M 2/10
H01M 2/20
H01M 2/26
H01M 10/6551
H01M 10/48
H01M 10/052
H01M 10/647
H01M 10/6555
H01M 10/613
(11) EP3264493
(21) EP16811883.4
(47) 11.09.2019
(87) KR2016006270
22.12.2016
(22) 13.06.2016
(54) CARTRIDGE AND BATTERY MODULE HAVING SAME
(73) LG Chem, Ltd.
(72) LEE, Jeong-Seop
CHOI, Jong-Woon
AN, Sun-Mo
JUNG, Seung-Hun
(31) 20150087563
(32) 19.06.2015
(33) Korea (Republic)

(51) H01M 2/10
H01M 2/34

H01M 10/647
H01M 10/6555
H01M 10/613
(11) EP3255703
(21) EP17172360.4
(47) 11.09.2019
(22) 23.05.2017
(54) BATTERY PACK
(73) LG Electronics Inc.
(72) JEONG Sooji
KIM Dalhyun
(31) 20160070941
(32) 08.06.2016
(33) Korea (Republic)

(51) H01M 2/10
H01M 10/39
H01M 2/02
(11) EP2905823
(21) EP13843461.8
(47) 11.09.2019
(87) JP2013076692
10.04.2014
(22) 01.10.2013
(54) COATED CELL AND MODULE BATTERY
(73) NGK Insulators, Ltd.
(72) TSUJI, Yuki
MURASATO, Masahiro
HORIBA, Yasuhiro
OKAZAKI, Ichiro
ISHIHARA, Takuya
KASAHARA, Miho
(31) 2012220199
(32) 02.10.2012
(33) Japan

(51) H01M 2/16
H01G 11/52
B32B 37/18
(11) EP2879206
(21) EP13823038.8
(47) 11.09.2019
(87) JP2013070374
30.01.2014
(22) 26.07.2013
(54) SEPARATOR FOR ENERGY STORAGE DEVICE, LAMINATED BODY, AND ENERGY STORAGE DEVICE
(73) ASAHI KASEI KABUSHIKI KAISHA
(72) MIYAZAWA, Hiroshi
AMEYAMA, Keitaro
SHUTO, Takashi
(31) 2012166179
2012234852
(32) 26.07.2012
24.10.2012
(33) Japan
Japan

(51) H01M 2/16
H01M 2/18
H01M 10/0525
(11) EP2978046
(21) EP14768836.0
(47) 11.09.2019
(87) JP2014000909
25.09.2014
(22) 21.02.2014
(54) SEPARATOR, BATTERY, BATTERY PACK, ELECTRONIC APPARATUS, ELECTRIC VEHICLE, POWER STORAGE DEVICE, AND POWER SYSTEM
(73) Murata Manufacturing Co., Ltd.
(72) HATTA, Kazuhito
ONO, Toshitsugu
(31) 2013057331
(32) 19.03.2013
(33) Japan

(51) H01M 2/16
H01M 4/139
H01M 4/04
H01M 4/13
H01M 4/36
H01M 4/38
H01M 4/62
H01M 10/052
H01M 10/0525
(11) EP3257094
(21) EP16750006.5
(47) 11.09.2019
(87) US2016017850
18.08.2016
(22) 12.02.2016
(54) COATED SULFUR PARTICLE ELECTRODE AND METHOD
(73) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
(72) BELL, Jeffrey
OZKAN, Mihrimah
CAMPBELL, Brennan
BAY, Hamed, Hosseini
FAVORS, Zachary
OZKAN, Cengiz
(31) 201562115853 P
(32) 13.02.2015
(33) United States of America

(51) H01M 2/18
H01M 2/16
B26D 5/00
H01M 10/0525
H01M 10/42
H01M 2/14
(11) EP3188285
(21) EP15825368.2
(47) 11.09.2019
(87) JP2015070237
28.01.2016
(22) 15.07.2015
(54) MICROPOROUS MEMBRANE ROLL FOR BATTERY SEPARATORS AND METHOD FOR PRODUCING SAME
(73) JNC Corporation
JNC Petrochemical Corporation
(72) HONDA Kouichi
YAMAMOTO Yasuhiro
GOTO Shuichi
(31) 2014151653
(32) 25.07.2014
(33) Japan

(51) H01M 2/18
H01M 2/30
H01M 4/131
H01M 4/133
H01M 4/134
H01M 4/66
H01M 4/78
H01M 10/0525
H01M 10/058
H01M 2/02
H01M 4/02
(11) EP3331061
(21) EP16201662.0
(47) 11.09.2019
(22) 01.12.2016
(54) SPHERICAL BATTERY AND PRODUCTION METHOD
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
(72) ÖCAL, Ömür
MEMISOGLU, Görkem
ABBAK, Mehmet

(51) H01M 2/20
H01M 10/48
H01M 2/10
(11) EP3146576
(21) EP15725432.7
(47) 11.09.2019
(87) JP2015002426
26.11.2015
(22) 13.05.2015
(54) BATTERY PACK, POWER STORAGE DEVICE, POWER STORAGE SYSTEM, ELECTRONIC APPLIANCE, ELECTRIC VEHICLE, AND POWER SYSTEM
(73) Murata Manufacturing Co., Ltd.
(72) YOSHIDA, Naotake
AOYAMA, Tsutomu
ADACHI, Tatsuya
ONO, Hiroaki
INDEN, Munenori
(31) 2014105962
(32) 22.05.2014
(33) Japan

(51) H01M 2/26
H01M 2/30
H01M 10/0585
H01M 10/04
(11) EP2475029
(21) EP10813582.3
(47) 11.09.2019
(87) JP2010062460
10.03.2011
(22) 23.07.2010
(54) BATTERY WITH CONVEX PORTIONS FORMED ON COLLECTOR PLATES
(73) Nissan Motor Co., Ltd
(72) MIYAZAKI, Yasuhito
KINOSHITA, Takuya
ABE, Takaaki
SHIMOIDA, Yoshio
(31) 2009201983
(32) 01.09.2009
(33) Japan

(51) H01M 2/30
H01M 2/04
H01M 10/04
H01M 10/42
H01M 10/48
H01M 2/08
H01M 10/0525
H02J 7/00
(11) EP3291335
(21) EP15894820.8
(47) 11.09.2019
(87) CN2015096610
15.12.2016
(22) 08.12.2015

(54) SECONDARY ELECTROCHEMICAL BATTERY SEALING BODY WITH CHARGE INDICATING LAMP
(73) Fujian Nanping Nanfu Battery Co., Ltd.
(72) CHANG, Haitao
CHEN, Jintian
SU, Sheng
YE, Yongfeng
YU, Youfeng
XU, Xiaochun
(31) 201510324116
201520406542 U
(32) 12.06.2015
12.06.2015
(33) China
China
(51) H01M 2/34
H01M 2/10
H01M 2/04
H01M 2/30
H01M 2/22
H01M 10/42
H01M 2/02
H01M 10/0585
H01M 10/0525
(11) EP3035413
(21) EP14847298.8
(47) 11.09.2019
(87) KR2014006391
02.04.2015
(22) 15.07.2014
(54) BATTERY PACK COMPRISING PROTECTION CIRCUIT MODULE FIXING TAPE
(73) LG Chem, Ltd.
(72) CHOI, Mi Geum
YUN, Hyung Ku
JU, So Hyon
(31) 20130115065
(32) 27.09.2013
(33) Korea (Republic)
(51) H01M 2/38
H01M 2/40
H01M 8/18
H01M 10/42
H01M 12/06
H01M 12/08
B01F 3/04
(11) EP2671273
(21) EP12705191.0
(47) 11.09.2019
(87) US2012023386
09.08.2012
(22) 31.01.2012
(54) ELECTROCHEMICAL CELL SYSTEM WITH SHUNT CURRENT INTERRUPT
(73) NantEnergy, Inc.
(72) FRIESEN, Cody A.
KRISHNAN, Ramkumar
MIHALKA, John Michael
HAYES, Joel R.
FRIESEN, Grant
(31) 201161439759 P
(32) 04.02.2011
(33) United States of America
(51) H01M 4/04
H01M 4/134
H01M 4/1395
H01M 4/38
H01M 4/66
H01M 4/80
H01M 10/04
H01M 10/052
H01M 4/46
(11) EP2975673
(21) EP15176755.5
(47) 11.09.2019
(22) 15.07.2015
(54) LITHIUM METAL ELECTRODE
(73) Prologium Holding Inc.
(72) Yang, Szu-Nan
(31) 103124343
104118226
(32) 16.07.2014
05.06.2015
(33) Taiwan, Province of China
Taiwan, Province of China
(51) H01M 4/04
H01M 4/1395
H01M 4/38
H01M 10/052
H01M 4/02
H01M 4/134
(11) EP3251158
(21) EP16723187.7
(47) 11.09.2019
(87) RU2016000031
04.08.2016
(22) 29.01.2016
(54) COMPOSITE MATERIALS
(73) Sigma Lithium Limited
(72) KOLOSNITSYN, Vladimir
IVANOV, Gleb
MOCHALOV, Sergey
NURGALIEV, Azat
IVANOV, Aleksei
KUZMINA, Elena
KARASEVA, Elena
(31) 201501507
(32) 29.01.2015
(33) United Kingdom
(51) H01M 4/04
H01M 4/50
H01M 4/505
H01M 4/52
H01M 4/74
H01M 2/02
(11) EP3032615
(21) EP15192216.8
(47) 11.09.2019
(22) 29.10.2015
(54) METHOD FOR MANUFACTURING ELECTRODES USING THREE-DIMENSIONAL SUBSTRATE FOR ELECTROCHEMICAL APPLIED PRODUCTS
(73) Japan Capacitor Industrial Co., Ltd.
(72) Matsumoto, Isao
Zhou, Hua
Yoshioka, Koji
(31) 2014250809
(32) 11.12.2014
(33) Japan
(51) H01M 4/06
H01M 4/42
H01M 6/04
H01M 4/505
H01M 4/525
H01M 4/36
(11) EP2545604
(21) EP11709573.7
(47) 11.09.2019
(87) US2011027800
15.09.2011
(22) 10.03.2011
(54) PRIMARY ALKALINE BATTERY
(73) Duracell U.S. Operations, Inc.
(72) NANJUNDASWAMY, Kirakodu, S.
NELSON, Jennifer, A.
ZHANG, Fan
CHRISTIAN, Paul, A.
WANG, Yichun
ILTCHEV, Nikolay, K.
(31) 722669
(32) 12.03.2010
(33) United States of America
(51) H01M 4/13
H01M 4/38
H01M 10/0525
H01M 4/134
H01M 4/36
H01M 4/40
H01M 4/587
(11) EP3249718
(21) EP16171588.3
(47) 11.09.2019
(22) 26.05.2016
(54) ELECTROCHEMICAL CELL FOR RECHARGEABLE LITHIUM-ION BATTERY
(73) Belenos Clean Power Holding AG
(72) Pitteloud, Cédric
(51) H01M 4/131
H01M 4/62
H01M 4/48
H01M 10/0525
H01M 4/36
(11) EP3297069
(21) EP17159336.1
(47) 11.09.2019
(22) 06.03.2017
(54) ELECTRODE, NONAQUEOUS ELECTROLYTE BATTERY, BATTERY PACK AND VEHICLE
(73) Kabushiki Kaisha Toshiba
(72) Iwasaki, Takuya
Takami, Norio
(31) 2016183333
(32) 20.09.2016
(33) Japan
(51) H01M 4/136
C01B 17/26
H01M 4/1397
H01M 4/36
H01M 4/58
H01M 10/052
H01M 4/62
H01M 10/39
H01M 10/054
H01M 10/0567
(11) EP3155678
(21) EP15729092.5
(47) 11.09.2019
(87) EP2015061970

17.12.2015
(22) 29.05.2015
(54) METHOD FOR PRODUCING ALKALI METAL SULPHIDE NANOPARTICLES, ALKALI METAL SULPHIDE NANOPARTICLES, USE OF THE ALKALI METAL SULPHIDE NANOPARTICLES, AND ALKALI METAL SULPHUR BATTERY
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung
(72) BRÜCKNER, Jan
ALTHUES, Holger
KASKEL, Stefan
KOHL, Michael
BAUER, Ingolf
(31) 102014211421
(32) 13.06.2014
(33) Germany

(51) H01M 4/136
H01M 4/485
H01M 4/58
H01M 10/0525
H01M 10/04
H01M 4/1397
H01M 4/02
(11) EP3220454
(21) EP17154360.6
(47) 11.09.2019
(22) 02.02.2017
(54) NONAQUEOUS ELECTROLYTE BATTERY, BATTERY PACK AND VEHICLE
(73) Kabushiki Kaisha Toshiba
(72) Yamashita, Yasunobu
Hoshina, Keigo
Isozaki, Yoshiyuki
Takami, Norio
(31) 2016052960
(32) 16.03.2016
(33) Japan

(51) H01M 4/136
H01M 4/58
H01M 10/052
C01B 25/45
H01M 4/36
H01M 4/64
H01M 4/62
H01M 10/0525
H01M 4/1397
H01M 4/02
(11) EP2541652
(21) EP11829639.1
(47) 11.09.2019
(87) KR2011007291
05.04.2012
(22) 30.09.2011
(54) CATHODE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING THE SAME
(73) LG Chem, Ltd.
(72) KIM, Jong-Hee
LIM, Hyung-Kyu
KIM, In-Jung
YANG, In-Seok
PARK, Seok-Jung
(31) 20110100234
20100095376
(32) 30.09.2011
30.09.2010
(33) Korea (Republic)
Korea (Republic)

(51) H01M 4/1395
H01M 4/134
H01M 4/04
C23C 10/30
C23C 26/00
(11) EP2507856
(21) EP10793085.1
(47) 11.09.2019
(87) US2010058254
09.06.2011
(22) 30.11.2010
(54) FINELY DEPOSITED LITHIUM METAL POWDER
(73) FMC Lithium USA Corp.
(72) YAKOVLEVA, Marina
GAO, Yuan
LI, Yangxing
FITCH, Kenneth Brian
(31) 266308 P
954988
(32) 03.12.2009
29.11.2010
(33) United States of America
United States of America

(51) H01M 4/14
H01M 4/62
C08G 14/06
H01M 10/06
H01M 4/16
(11) EP3130618
(21) EP15777517.2
(47) 11.09.2019
(87) JP2015060883
15.10.2015
(22) 07.04.2015
(54) BISPHENOL-BASED RESIN, ELECTRODE, LEAD STORAGE BATTERY, PRODUCTION METHODS FOR THESE, AND RESIN COMPOSITION
(73) HITACHI CHEMICAL COMPANY, LTD.
(72) HARA Kousuke
YAMASHITA Takeshi
UEDA Satoko
KOGURE Kouji
(31) 2014079550
(32) 08.04.2014
(33) Japan

(51) H01M 4/24
H01M 4/86
H01M 4/88
H01M 6/14
(11) EP3387691
(21) EP16806187.7
(47) 11.09.2019
(87) EP2016080444
15.06.2017
(22) 09.12.2016
(54) COMPOSITE AIR ELECTRODE AND PRODUCTION PROCESS THEREOF
(73) Electricité de France
Solvay SA
(72) STEVENS, Philippe
TOUSSAINT, Gwenaëlle
DESHAYES, Sophie
PETRICCI, Silvia Rita
SRINIVASAN, Padmanabhan
(31) 1562243
(32) 11.12.2015
(33) France

(51) H01M 4/36
H01M 4/587
H01M 4/38
H01M 2/10
H01M 10/052
H01M 4/133
H01M 4/134
H01M 4/1393
H01M 4/1395
H01M 10/0525
H01M 4/62
(11) EP3322005
(21) EP16855803.9
(47) 11.09.2019
(87) KR2016011610
20.04.2017
(22) 17.10.2016
(54) NEGATIVE ELECTRODE ACTIVE MATERIAL AND SECONDARY BATTERY INCLUDING SAME
(73) LG Chem, Ltd.
(72) CHOI, Jung Hyun
LEE, Yong Ju
KIM, Eun Kyung
KIM, Hyun Chul
(31) 20150143861
20160133663
(32) 15.10.2015
14.10.2016
(33) Korea (Republic)
Korea (Republic)

(51) H01M 4/485
H01M 4/38
H01M 4/62
H01M 4/131
H01M 10/052
H01M 4/36
H01M 4/525
H01M 4/02
(11) EP2712009
(21) EP13788872.3
(47) 11.09.2019
(87) KR2013006222
16.01.2014
(22) 11.07.2013
(54) BIMODAL-TYPE ANODE ACTIVE MATERIAL AND LITHIUM SECONDARY BATTERY INCLUDING SAME
(73) LG Chem, Ltd.
(72) KIM, Ye Ri
KIM, Je Young
OH, Byung Hun
YUN, Hyun Woong
(31) 20120076901
20130081007
(32) 13.07.2012
10.07.2013
(33) Korea (Republic)
Korea (Republic)

(51) H01M 4/505
H01M 4/525
H01M 10/052
H01M 10/0566

(11) EP3327835
(21) EP16827416.5
(47) 11.09.2019
(87) JP2016003215
26.01.2017
(22) 06.07.2016
(54) POSITIVE ELECTRODE ACTIVE MATERIAL AND BATTERY
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) NATSUI, Ryuichi
NAKURA, Kensuke
(31) 2015145485
(32) 23.07.2015
(33) Japan

(51) H01M 4/587
H01M 4/36
H01M 4/133
H01M 10/052
H01G 11/24
H01G 11/32
H01G 11/38
H01G 11/50
H01M 10/0525
H01M 4/02
(11) EP3324467
(21) EP17747837.7
(47) 11.09.2019
(87) KR2017001300
10.08.2017
(22) 06.02.2017
(54) NEGATIVE ELECTRODE ACTIVE MATERIAL AND SECONDARY BATTERY COMPRISING SAME
(73) LG Chem, Ltd.
(72) KIM, Hyun-Wook
KIM, Jong-Hun
HONG, Jang-Hyuk
(31) 20160015158
(32) 05.02.2016
(33) Korea (Republic)

(51) H01M 4/62
H01M 4/131
H01M 10/0567
C09D 5/24
C09D 133/20
C09D 133/24
H01M 4/505
H01M 4/04
H01M 4/13
H01M 4/139
H01M 4/1391
H01M 4/485
H01M 4/525
H01M 4/66
H01M 4/02
C09D 7/61
(11) EP3168910
(21) EP15819055.3
(47) 11.09.2019
(87) KR2015007125
14.01.2016
(22) 09.07.2015
(54) POSITIVE ELECTRODE AND METHOD FOR MANUFACTURING SAME
(73) LG Chem, Ltd.
(72) YOON, Jeong Ae
CHI, Han Na
YOON, Sung Soo
KWON, Su Jee
(31) 20140087364
20140153838
20140153839
(32) 11.07.2014
06.11.2014
06.11.2014
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) H01M 4/86
H01M 4/88
H01M 4/92
H01M 8/0234
H01M 8/0243
(11) EP3089247
(21) EP14874497.2
(47) 11.09.2019
(87) JP2014006390
02.07.2015
(22) 22.12.2014
(54) CONDUCTIVE FILM, GAS DIFFUSION LAYER FOR FUEL CELLS, CATALYST LAYER FOR FUEL CELLS, ELECTRODE FOR FUEL CELLS, MEMBRANE ELECTRODE ASSEMBLY FOR FUEL CELLS, AND FUEL CELL
(73) Zeon Corporation
(72) YOSHIWARA, Akihiko
KOJIMA, Kiyoshige
(31) 2013273222
(32) 27.12.2013
(33) Japan

(51) H01M 4/86
H01M 12/06
H01M 12/08
H01M 4/88
(11) EP3185341
(21) EP16201155.5
(47) 11.09.2019
(22) 29.11.2016
(54) CATHODE OF A METAL/AIR CELL AND METHODS FOR MANUFACTURING SUCH A CATHODE
(73) The Swatch Group Research and Development Ltd
(72) Reinauer, Olga
Stalder, Michael
Züllig, Frédy
(31) 15201689
(32) 21.12.2015
(33) European Patent Office (EPO)

(51) H01M 4/90
H01M 4/86
(11) EP3020476
(21) EP14823664.9
(47) 11.09.2019
(87) JP2014068119
15.01.2015
(22) 08.07.2014
(54) OXYGEN REDUCTION CATALYST AND USE THEREFOR
(73) Showa Denko K.K.
(72) ITO, Yuji
SAKAGUCHI, Junya
IMAI, Takuya
MONDEN, Ryuji
YOSHIMURA, Masayuki
(31) 2013146722
(32) 12.07.2013
(33) Japan

(51) H01M 8/0208
H01M 8/0228
H01M 8/1018
(11) EP2560225
(21) EP11772128.2
(47) 11.09.2019
(87) JP2011060338
27.10.2011
(22) 21.04.2011
(54) METAL PLATE FOR USE AS SOLID POLYMER FUEL CELL SEPARATOR
(73) JFE Steel Corporation
(72) NISHIYAMA, Naoki
ISHIKAWA, Shin
UJIRO, Takumi
KATO, Yasushi
(31) 2011021090
2010099922
(32) 02.02.2011
23.04.2010
(33) Japan
Japan

(51) H01M 8/0258
H01M 8/0267
H01M 8/04014
H01M 8/04007
H01M 8/2432
H01M 8/2483
F28D 9/00
F28F 3/04
F28F 3/08
F28F 9/02
H01M 8/124
H01M 8/2457
F28D 21/00
(11) EP2775557
(21) EP12846451.8
(47) 11.09.2019
(87) JP2012078219
10.05.2013
(22) 31.10.2012
(54) FUEL CELL
(73) NGK Sparkplug Co., Ltd.
(72) ISHIKAWA, Hideki
UEMATSU, Hideki
ISHIKAWA, Hiroya
OHNO, Takeshi
SHICHIDA, Takafumi
TSUGA, Shunsuke
(31) 2011241384
(32) 02.11.2011
(33) Japan

(51) H01M 8/0273
(11) EP1897163
(21) EP06778656.6
(47) 11.09.2019
(87) FR2006001458
11.01.2007
(22) 23.06.2006
(54) SEAL AND FUEL CELL COMPRISING SAME AFFIXED ON THE BIPOLAR PLATES
(73) COMMISSARIAT A L'ENERGIE ATOMIQUE

PSA Automobiles SA
(72) LEMASSON, Damien
GLIPA, Xavier
ROY, Francis
POIROT-CROUVEZIER, Jean-Philippe
LE GALLO, Patrick
(31) 0506558
(32) 28.06.2005
(33) France

(51) H01M 8/04228
H01M 8/04303
H01M 8/0612
H01M 8/0432
H01M 8/04746
C01B 3/38
(11) EP3279992
(21) EP16771632.3
(47) 11.09.2019
(87) JP2016001252
06.10.2016
(22) 08.03.2016
(54) FUEL CELL SYSTEM
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) KOKUBU, Hirofumi
UMEDA, Takahiro
YOSHIMURA, Akihisa
NAKAMURA, Akinari
(31) 2015067874
(32) 30.03.2015
(33) Japan

(51) H01M 8/0438
H01M 8/04537
(11) EP3240073
(21) EP14909066.4
(47) 11.09.2019
(87) JP2014084566
30.06.2016
(22) 26.12.2014
(54) FUEL BATTERY STATE DETECTION DEVICE AND METHOD
(73) Nissan Motor Co., Ltd.
(72) AOKI, Tetsuya

(51) H01M 8/0612
B01J 19/00
C01B 3/26
H01G 11/00
H01M 16/00
H01M 8/04007
H01M 8/04082
H01M 8/04223
H01M 8/04701
H01M 8/04302
C01B 3/22
B60L 50/72
B60L 58/40
B60L 58/34
C01B 3/00
(11) EP3391447
(21) EP16823052.2
(47) 11.09.2019
(87) IB2016057628
22.06.2017
(22) 14.12.2016
(54) ELECTRICITY GENERATION DEVICES USING FORMIC ACID
(73) King Abdullah University of Science and Technology
(72) HUANG, Kuo-Wei
ZHENG, Junrong
(31) 201562267645 P
(32) 15.12.2015
(33) United States of America

(51) H01M 8/1041
H01M 8/1067
H01M 8/1213
H01M 8/1018
C25B 1/00
(11) EP3391448
(21) EP16823230.4
(47) 11.09.2019
(87) EP2016081560
22.06.2017
(22) 16.12.2016
(54) PROTON CONDUCTING ELECTROCHEMICAL DEVICE WITH INTERNAL REFORMING, AND ASSOCIATED MANUFACTURING PROCESS
(73) Electricité de France
Université de Montpellier
Centre National de la Recherche Scientifique (CNRS)
(72) MARRONY, Mathieu
TAILLADES, Gilles
ROZIERE, Jacques
DAILLY, Julian
(31) 1562711
(32) 17.12.2015
(33) France

(51) H01M 8/22
H01M 14/00
G21B 3/00
H01M 4/86
H01M 4/94
H01M 4/96
C01B 3/00
(11) EP2548257
(21) EP11712377.8
(47) 11.09.2019
(87) US2011028889
22.09.2011
(22) 17.03.2011
(54) ELECTROCHEMICAL HYDROGEN-CATALYST POWER SYSTEM
(73) Blacklight Power, Inc.
(72) MILLS, Randell, L.
(31) 393719 P
332526 P
419590 P
358667 P
425105 P
377613 P
363090 P
317176 P
356348 P
383929 P
413243 P
329959 P
347130 P
365051 P
430814 P
389006 P
437377 P
442015 P
373495 P
371592 P
315186 P
408384 P
449474 P
369289 P
(32) 15.10.2010
07.05.2010
03.12.2010
25.06.2010
20.12.2010
27.08.2010
09.07.2010
24.03.2010
18.06.2010
17.09.2010
12.11.2010
30.04.2010
21.05.2010
16.07.2010
07.01.2011
01.10.2010
28.01.2011
11.02.2011
13.08.2010
06.08.2010
18.03.2010
29.10.2010
04.03.2011
30.07.2010
(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
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
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) H01M 8/247
H01M 8/2428
H01M 8/2485
H01M 8/2475
H01M 8/2425
H01M 8/2483
H01M 8/124
(11) EP3076467
(21) EP14866505.2
(47) 11.09.2019
(87) JP2014081402
04.06.2015
(22) 27.11.2014
(54) CELL STACK DEVICE, MODULE, AND MODULE HOUSING DEVICE

(73) Kyocera Corporation
(72) YAMAUCHI,Kyosuke
MURE,Tatsuhiro
SHIRAISHI,Shinpei
(31) 2013246253
2014035512
(32) 28.11.2013
26.02.2014
(33) Japan
Japan

(51) H01M 10/04
H01M 2/02
H01M 2/10
H01M 10/42
H01M 2/34
H01M 10/0525
H01M 2/26
(11) EP3190653
(21) EP16780322.0
(47) 11.09.2019
(87) KR2016003944
20.10.2016
(22) 15.04.2016
(54) METHOD FOR MANUFACTURING EMBEDDED BATTERY PACK USING HOT-MELTING FIXATION STRUCTURE, AND BATTERY PACK MANUFACTURED USING SAME
(73) LG Chem, Ltd.
(72) LEE, Bum Jick
AHN, Soo Jun
LEE, Dong Cheol
CHO, Yong Ho
JU, Jae Hyeon
(31) 20150053036
(32) 15.04.2015
(33) Korea (Republic)

(51) H01M 10/04
H01M 2/02
H01M 10/0585
(11) EP3373374
(21) EP17856806.9
(47) 11.09.2019
(87) KR2017010880
05.04.2018
(22) 28.09.2017
(54) METHOD FOR SEALING POUCH CASE OF SECONDARY BATTERY
(73) LG Chem, Ltd.
(72) CHOI, Yong-Su
KIM, Sang-Hun
KANG, Min-Hyeong
KIM, Yong
KIM, Cho-Long
YU, Hyung-Kyun
LEE, Ji-Hoon
HWANG, Soo-Ji
(31) 20160125013
(32) 28.09.2016
(33) Korea (Republic)

(51) H01M 10/04
H01M 10/0583
B65H 45/101
H01M 10/0525
(11) EP3304632
(21) EP16729760.5
(47) 11.09.2019
(87) DE2016100253
08.12.2016
(22) 01.06.2016
(54) METHOD AND APPARATUS FOR ZIGZAG FOLDING A MATERIAL WEB
(73) Technische Universität Berlin
(72) GLODDE, Arne
BACH, Gordon
MOOY, Robert
AYDEMIR, Muhammed
(31) 102015108651
(32) 01.06.2015
(33) Germany

(51) H01M 10/0567
H01M 10/052
H01M 10/0568
H01M 10/0569
(11) EP3166170
(21) EP15827881.2
(47) 11.09.2019
(87) JP2015069939
04.02.2016
(22) 10.07.2015
(54) ELECTROLYTE SOLUTION FOR NON-AQUEOUS ELECTROLYTE SOLUTION BATTERY AND NON-AQUEOUS ELECTROLYTE SOLUTION BATTERY USING SAME
(73) Central Glass Co., Ltd.
(72) MORINAKA Takayoshi
KUBO Makoto
KAWABATA Wataru
YAMAMOTO Kenta
TAKAHASHI Mikihiro
(31) 2014157872
(32) 01.08.2014
(33) Japan

(51) H01M 10/0567
H01M 10/0525
(11) EP3240091
(21) EP15873423.6
(47) 11.09.2019
(87) KR2015006687
30.06.2016
(22) 30.06.2015
(54) ELECTROLYTE SOLUTION FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY HAVING SAME
(73) Samsung SDI Co., Ltd.
(72) JEON, Jong Ho
KOH, Joo Hwan
SEO, Jin Ah
KIM, Jin Hee
JO, Sung Nim
YU, Tae Hwan
CHO, Jung Joo
(31) 20140185905
(32) 22.12.2014
(33) Korea (Republic)

(51) H01M 10/0567
H01M 10/0525
H01M 4/505
H01M 4/587
(11) EP2973834
(21) EP14762379.7
(47) 11.09.2019
(87) US2014028304
18.09.2014
(22) 14.03.2014
(54) BATTERY COMPRISING A POLYMERIC ADDITIVE AND METHOD OF MAKING IT
(73) Wildcat Discovery Technologies, Inc.
(72) CHENG, Gang
LI, Bin
KAYE, Steven S.
(31) 201361786633 P
(32) 15.03.2013
(33) United States of America

(51) H01M 10/058
H01M 2/14
H01M 2/02
H01M 4/74
H01M 4/13
H01M 4/66
H01M 4/75
H01M 10/04
H01M 10/052
H01M 10/0587
(11) EP3349291
(21) EP16857842.5
(47) 11.09.2019
(87) KR2016011935
27.04.2017
(22) 21.10.2016
(54) CABLE-TYPE SECONDARY BATTERY
(73) LG Chem, Ltd.
(72) UHM, In-Sung
KIM, Je-Young
CHOI, Jong-Hwa
NOH, Suk-In
YUK, Young-Ji
(31) 20150147004
(32) 21.10.2015
(33) Korea (Republic)

(51) H01M 10/42
H01M 2/10
H01M 2/20
H01M 2/30
(11) EP3358644
(21) EP17154597.3
(47) 11.09.2019
(22) 03.02.2017
(54) BATTERY CELL AND BATTERY MODULE
(73) Robert Bosch GmbH
GS Yuasa International Ltd.
(72) Kitano, Shinya

(51) H01M 10/42
H01M 10/48
B60L 3/12
H02J 7/00
G01R 31/392
B60L 58/16
B60L 58/13
B60L 58/24
(11) EP3391455
(21) EP17702575.6
(47) 11.09.2019
(87) EP2017051648
17.08.2017
(22) 26.01.2017
(54) LIFE CYCLE MANAGEMENT FOR AN ENERGY STORE
(73) Siemens Aktiengesellschaft
(72) RUPPERT, Swen

HOLL, Eugen
(31) 16154678
(32) 08.02.2016
(33) European Patent Office (EPO)

(51) H01M 10/44
H01M 4/587
H01M 10/0525
H02J 7/00
H01M 4/505
H01M 4/525
H01M 4/58
(11) EP3211709
(21) EP17157677.0
(47) 11.09.2019
(22) 23.02.2017
(54) METHOD FOR CHARGING A LITHIUM ION BATTERY
(73) Dongguan Amperex Technology Limited
Ningde Amperex Technology Limited
(72) LUO, Fu ping
WANG, Sheng wei
GAO, Chao
ZHENG, Qiang
(31) 201610099461
(32) 23.02.2016
(33) China

(51) H01M 10/44
H01M 10/46
H02J 1/14
H02J 3/32
H02J 3/38
H02J 7/35
H01M 10/0525
H01M 10/06
H02J 7/00
(11) EP2688171
(21) EP13169130.5
(47) 11.09.2019
(22) 24.05.2013
(54) Energy storage for photovoltaic facility, energy storage power plant, control device and method for operating an energy storage device
(73) Robert Bosch GmbH
(72) Belschner, Werner
(31) 102012212654
(32) 19.07.2012
(33) Germany

(51) H01M 10/6555
H01M 2/22
F25D 17/00
H01M 10/613
H01M 10/656
(11) EP2642586
(21) EP11842249.2
(47) 11.09.2019
(87) KR2011008306
24.05.2012
(22) 02.11.2011
(54) BATTERY PACK HAVING IMPROVED COOLING EFFICIENCY
(73) LG Chem, Ltd.
(72) JEONG, SangYoon
CHUNG, Chae Ho
YOON, Jong Moon
(31) 20100114783
(32) 18.11.2010
(33) Korea (Republic)

(51) H01P 1/15
H04B 1/44
(11) EP3444890
(21) EP18785220.7
(47) 11.09.2019
(87) JP2018008348
18.10.2018
(22) 05.03.2018
(54) HIGH FREQUENCY SWITCH
(73) Mitsubishi Electric Corporation
(72) SAITO, Tetsunari
KOMARU, Ryota
NAKAHARA, Kazuhiko
(31) 2017077619
(32) 10.04.2017
(33) Japan

(51) H01P 1/205
H01P 7/04
(11) EP2920839
(21) EP13792595.4
(47) 11.09.2019
(87) EP2013003434
22.05.2014
(22) 14.11.2013
(54) RADIO FREQUENCY FILTER WITH FREQUENCY STABILISATION
(73) Kathrein-Austria Ges.M.B.H.
(72) SCHÖNINGER, Bernd
(31) 102012022411
(32) 15.11.2012
(33) Germany

(51) H01P 1/205
H01P 7/04
H01P 7/06
(11) EP3311445
(21) EP16728038.7
(47) 11.09.2019
(87) EP2016063245
22.12.2016
(22) 10.06.2016
(54) TUNABLE RF CAVITY FILTER
(73) Microdata Telecom Innovation Stockholm AB
(72) RITSCHER, Mikael
(31) 1550851
(32) 18.06.2015
(33) Sweden

(51) H01Q 1/22
H01P 5/107
H01L 23/66
(11) EP2919319
(21) EP15158300.2
(47) 11.09.2019
(22) 09.03.2015
(54) TRANSMISSION LINE INTERCONNECT
(73) NXP B.V.
(72) Spella, Maristella
Roovers, Raf L,J,
(31) 201414205029
(32) 11.03.2014
(33) United States of America

(51) H01Q 1/24
H01Q 5/314
H01Q 5/335
H01Q 13/10
(11) EP3343694
(21) EP17182742.1
(47) 11.09.2019
(22) 24.07.2017
(54) ANTENNA DEVICE FOR MOBILE TERMINAL AND MOBILE TERMINAL
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) ZHAO, Ning
TANG, Haijun
LIU, Guolin
HU, Shasha
(31) 201621462704 U
201611237642
(32) 28.12.2016
28.12.2016
(33) China
China

(51) H01Q 1/24
H01Q 21/26
(11) EP3166178
(21) EP15201607.7
(47) 11.09.2019
(22) 21.12.2015
(54) AN ANTENNA ELEMENT PREFERABLY FOR A BASE STATION ANTENNA
(73) Huawei Technologies Co., Ltd.
(72) SEGADOR ALVAREZ, Juan
PFUHL, Nadine
RIST, Bernhard
BISCONTINI, Bruno
OBERMAIER, Johann Baptist
SCHILLIGER KILDAL, Susanne
HERSCHMANN, Rene
(31) 15192679
(32) 03.11.2015
(33) European Patent Office (EPO)

(51) H01Q 1/24
H04B 10/69
(11) EP3407420
(21) EP18180679.5
(47) 11.09.2019
(22) 27.11.2013
(54) A MONOLITHIC OPTICAL RECEIVER AND A METHOD FOR MANUFACTURING SAME
(73) Oryx Vision Ltd.
(72) BEN-BASSAT, David
(31) 201261731711 P
(32) 30.11.2012
(33) United States of America

(51) H01Q 1/32
H01Q 1/52
H01Q 9/42
H01Q 9/04
(11) EP3048667
(21) EP16151986.3
(47) 11.09.2019
(22) 20.01.2016
(54) SHARK FIN ANTENNA
(73) LG Innotek Co., Ltd.
(72) PARK, Young Hun
LEE, Hye Sun
(31) 20150011309
(32) 23.01.2015
(33) Korea (Republic)

(51) H01Q 1/38
H01Q 3/46
H01Q 7/00
H01Q 15/14
H01Q 19/10

H01Q 21/26
(11) EP2863478
(21) EP14188248.0
(47) 11.09.2019
(22) 09.10.2014
(54) Reflectarray antenna system
(73) Northrop Grumman Systems Corporation
(72) Hand, Thomas H.
Cooley, Michael E.
Sall, David
Kempic, Gary L.
(31) 201314054267
(32) 15.10.2013
(33) United States of America

(51) H01Q 1/42
H01Q 1/12
H01Q 15/16
H01Q 19/12
(11) EP3001504
(21) EP14306468.1
(47) 11.09.2019
(22) 24.09.2014
(54) Assembly device for attaching an element provided with a flat flange on a substrate
(73) Alcatel- Lucent Shanghai Bell Co., Ltd
(72) Lebayon, Armel
Isambard, Loic
Siret, Samuel

(51) H01Q 1/50
G06K 19/07
G06K 19/077
H01Q 1/38
H01Q 1/40
H01Q 7/00
H01Q 23/00
H01Q 1/22
(11) EP2282372
(21) EP09754726.9
(47) 11.09.2019
(87) JP2009059669
03.12.2009
(22) 27.05.2009
(54) WIRELESS IC DEVICE AND COMPONENT FOR A WIRELESS IC DEVICE
(73) Murata Manufacturing Co. Ltd.
(72) KATO, Noboru
SASAKI, Jun
(31) 2008139717
(32) 28.05.2008
(33) Japan

(51) H01Q 3/26
(11) EP2932561
(21) EP13805498.6
(47) 11.09.2019
(87) GB2013053260
19.06.2014
(22) 11.12.2013
(54) ANTENNA SYSTEM CALIBRATION
(73) BAE SYSTEMS plc
(72) CLARK, Marcus, Edward
SCOTT, Michael, Andrew
EADE, James
(31) 201222609
12275207
(32) 14.12.2012
14.12.2012
(33) United Kingdom
European Patent Office (EPO)

(51) H01Q 3/26
H01Q 3/40
H01Q 25/00
H01Q 1/24
(11) EP2685557
(21) EP12742676.5
(47) 11.09.2019
(87) CN2012074435
09.08.2012
(22) 20.04.2012
(54) ANTENNA AND BASE STATION
(73) Huawei Technologies Co., Ltd.
(72) AI, Ming
LUO, Yingtao
XIAO, Weihong

(51) H01Q 5/328
H01Q 5/378
H01Q 1/48
H01Q 1/24
(11) EP3024090
(21) EP15195550.7
(47) 11.09.2019
(22) 20.11.2015
(54) ANTENNA AND ELECTRONIC DEVICE INCLUDING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) PARK, Joo-Hwan
(31) 20140163756
(32) 21.11.2014
(33) Korea (Republic)

(51) H01Q 9/26
H01Q 1/12
H01Q 9/42
H01Q 9/34
(11) EP2966728
(21) EP14759836.1
(47) 11.09.2019
(87) JP2014053322
12.09.2014
(22) 13.02.2014
(54) METHOD FOR INSTALLING ANTENNA DEVICE, AND ANTENNA DEVICE
(73) Mitsubishi Electric Corporation
(72) YAMAMOTO, Takeshi
HASHIMOTO, Atsushi
TAKEUCHI, Hiroyuki
TAKAKI, Junji
(31) 2013043201
(32) 05.03.2013
(33) Japan

(51) H01R 4/2433
(11) EP2670001
(21) EP13168956.4
(47) 11.09.2019
(22) 23.05.2013
(54) Insulation displacement terminal
(73) OMRON CORPORATION
(72) Matoba, Masato
Akahori, Shunsuke
(31) 2012124639
(32) 31.05.2012
(33) Japan

(51) H01R 4/48
(11) EP2875550
(21) EP13735020.3
(47) 11.09.2019
(87) EP2013064514
23.01.2014
(22) 09.07.2013
(54) ELECTRIC CONTACT DEVICE FOR CONTACTING AN ELECTRIC CONDUCTOR
(73) Weidmüller Interface GmbH & Co. KG
(72) STJEPANOVIC, Karlo
CLASSEN, Constantin
ZIEMKE, Jürgen
(31) 202012102732 U
(32) 20.07.2012
(33) Germany

(51) H01R 4/48
H01R 12/70
H01R 9/24
H01R 12/51
(11) EP3203583
(21) EP17154508.0
(47) 11.09.2019
(22) 03.02.2017
(54) WIRE CONNECTION TERMINAL STRUCTURE
(73) Switchlab Inc.
Switchlab (Shanghai) Co., Ltd.
(72) WU, Chih-Yuan
WEN, Wei-Chi
CHEN, Jheng-Wei
(31) 105104207
(32) 05.02.2016
(33) Taiwan, Province of China

(51) H01R 4/48
H01R 13/18
H01R 13/11
(11) EP3336967
(21) EP17207335.5
(47) 11.09.2019
(22) 14.12.2017
(54) ELECTRICAL CONNECTION ELEMENT
(73) Legrand France
Legrand SNC
(72) AUMAITRE, Martin
(31) 1662556
(32) 15.12.2016
(33) France

(51) H01R 9/05
(11) EP2417670
(21) EP10761960.3
(47) 11.09.2019
(87) US2010000951
14.10.2010
(22) 30.03.2010
(54) LOW PROFILE COMPACT RF COAXIAL TO PLANAR TRANSMISSION LINE INTERFACE
(73) Raytheon Company
(72) ESPLIN, Roger C.
OLDHAM, John M.
(31) 421315
(32) 09.04.2009
(33) United States of America

(51) H01R 9/26
H05K 7/14
(11) EP3430875
(21) EP17721164.6
(47) 11.09.2019
(87) EP2017060669
09.11.2017

(22) 04.05.2017
(54) ELECTRONIC TERMINAL BLOCK FOR A DATA BUS
(73) Beckhoff Automation GmbH
(72) BECKHOFF, Hans
JOST, Michael
PODROUSCHEK, Martin
(31) 102016108321
(32) 04.05.2016
(33) Germany

(51) H01R 12/57
H01R 12/72
H01R 24/50
H05K 9/00
H01R 13/6594
H01R 103/00
H01R 4/02
(11) EP3227967
(21) EP15804409.9
(47) 11.09.2019
(87) EP2015078247
09.06.2016
(22) 01.12.2015
(54) COAXIAL CONNECTOR INTEGRATED WITH A SHIELDING AND ELECTRONIC CARD EQUIPPED WITH SUCH A CONNECTOR
(73) Sagemcom Broadband SAS
(72) DEJARDIN, Romain
LIEVEN, Hervé
(31) 1461879
(32) 03.12.2014
(33) France

(51) H01R 12/71
H01R 13/03
H01R 13/24
(11) EP2833482
(21) EP14177867.0
(47) 11.09.2019
(22) 21.07.2014
(54) Contact member between a support and a device and electric connector comprising such a contact member
(73) Hypertac S.A.
(72) Retho, Patrice
(31) 1357601
(32) 31.07.2013
(33) France

(51) H01R 13/24
H01R 25/14
A47F 3/00
H01R 103/00
(11) EP3429032
(21) EP18172845.2
(47) 11.09.2019
(22) 17.05.2018
(54) CONDUCTOR RAIL PICKUP AND FURNITURE CONDUCTOR RAIL SYSTEM
(73) ELEKTRA Gesellschaft für elektrotechnische Geräte mbH
(72) Bültmann, Henrik
Piper, Jürgen
(31) 202017104106 U
(32) 10.07.2017
(33) Germany

(51) H01R 13/436
H01R 13/506
H01R 13/627
H01R 13/639
(11) EP3005486
(21) EP13739495.3
(47) 11.09.2019
(87) IB2013001341
11.12.2014
(22) 07.06.2013
(54) ELECTRICAL CONNECTOR
(73) Amphenol FCI Asia Pte. Ltd.
(72) DROESBEKE, Gert
SOUDY, Aymeric

(51) H01R 13/502
H01R 43/20
H01R 107/00
H01R 13/52
H01R 13/506
(11) EP3057183
(21) EP15154927.6
(47) 11.09.2019
(22) 12.02.2015
(54) Sealed connector
(73) Aptiv Technologies Limited
(72) Ludwig, Martin
Hornung, Michael

(51) H01R 13/645
(11) EP3289646
(21) EP16717256.8
(47) 11.09.2019
(87) EP2016000634
03.11.2016
(22) 19.04.2016
(54) PLUG CONNECTION AND SET OF PLUG CONNECTIONS
(73) Rosenberger Hochfrequenztechnik GmbH & Co. KG
(72) MÜHLFELLNER, Helmut
HASENÖHRL, Ulrich
GARTEN, Thomas
(31) 202015003177 U
(32) 30.04.2015
(33) Germany

(51) H01R 13/6461
H01R 24/64
(11) EP3223376
(21) EP17000455.0
(47) 11.09.2019
(22) 20.03.2017
(54) NETWORK JACK AND METHOD FOR HOLDING AND ELECTRICALLY CONTACTING A NETWORK CONNECTOR
(73) Yamaichi Electronics Deutschland GmbH
(72) Soualeh, Nadhem
Michael, Quiter
(31) 102016003535
(32) 22.03.2016
(33) Germany

(51) H01R 13/648
H01R 13/6589
H01R 13/6593
H01R 13/6597
H01R 13/6583
H01R 13/6471
H01R 13/66
(11) EP2922154
(21) EP15162093.7
(47) 11.09.2019
(22) 19.05.2009
(54) ELECTRICAL CONNECTOR
(73) Hosiden Corporation
(72) Kondo, Hayato
(31) 2008146991
(32) 04.06.2008
(33) Japan

(51) H01R 13/703
H01R 13/641
H01R 13/33
H01R 43/26
H01R 13/03
(11) EP3116075
(21) EP15175867.9
(47) 11.09.2019
(22) 08.07.2015
(54) ELECTRICAL PLUG CONNECTOR FOR A SAFETY RESTRAINT SYSTEM
(73) Aptiv Technologies Limited
(72) KOT, Lukasz
SIWEK, Bartlomiej
NUETZEL, Peter
GUNREBEN, Michael
REGNIER, Vincent

(51) H01R 43/28
(11) EP3340400
(21) EP16206365.5
(47) 11.09.2019
(22) 22.12.2016
(54) METHOD AND DEVICE FOR MANIPULATING AN INTERNAL CONDUCTOR
(73) KOMAX HOLDING AG
(72) Wicki, Beat

(51) H01R 43/28
B21F 11/00
B65G 57/18
B65H 35/00
(11) EP2777103
(21) EP12813100.0
(47) 11.09.2019
(87) IB2012056305
16.05.2013
(22) 09.11.2012
(54) CABLE-GATHERING DEVICE (WIRE STACKER)
(73) Schleuniger Holding AG
(72) WORTMANN, Thomas
(31) 18102011
(32) 11.11.2011
(33) Switzerland

(51) H01S 3/00
G02F 1/01
H01S 3/13
(11) EP3016216
(21) EP15192687.0
(47) 11.09.2019
(22) 03.11.2015
(54) SYSTEM AND METHOD TO PRODUCE TUNABLE SYNTHESIZED OPTICAL FREQUENCY
(73) The Boeing Company
(72) LOWELL, John R.
(31) 201414531010
(32) 03.11.2014
(33) United States of America

(51) H01S 3/00

(51) H01S 3/13
H01S 3/23
H01S 3/067
(11) EP2856585
(21) EP13793407.1
(47) 11.09.2019
(87) US2013040947
28.11.2013
(22) 14.05.2013
(54) COHERENT LASER ARRAY CONTROL SYSTEM AND METHOD
(73) Northrop Grumman Systems Corporation
(72) GOODNO, Gregory D.
(31) 201213479760
(32) 24.05.2012
(33) United States of America

(51) H01S 3/08
H01S 3/10
H01S 3/00
H01S 3/0941
H01S 3/11
H01S 3/139
H01S 3/16
H01S 3/23
B23K 26/0622
B23K 26/356
H01S 3/06
C21D 10/00
H01S 3/105
(11) EP3242768
(21) EP16735482.8
(47) 11.09.2019
(87) US2016012666
14.07.2016
(22) 08.01.2016
(54) METHOD AND APPARATUS FOR USE IN LASER SHOCK PEENING PROCESSES
(73) LSP Technologies, Inc.
Dulaney, Jeff
Sokol, David
O'Loughlin, Mark E.
Glover, Keith
May, Gary
(72) DULANEY, Jeff
SOKOL, David
O'LOUGHLIN, Mark E.
GLOVER, Keith
MAY, Gary
(31) 201562101442 P
(32) 09.01.2015
(33) United States of America

(51) H01S 3/109
(11) EP2973897
(21) EP14768972.3
(47) 11.09.2019
(87) US2014026617
25.09.2014
(22) 13.03.2014
(54) HIGHLY EFFICIENT, SINGLE-PASS, HARMONIC GENERATOR WITH ROUND OUTPUT BEAM
(73) IPG Photonics Corporation
(72) LEONARDO, Manuel J.
ARBORE, Mark A.
KEATON, Gregory L.
(31) 201361783686 P
(32) 14.03.2013
(33) United States of America

(51) H01S 3/23
H01S 3/07
H01S 3/083
H01S 3/225
H01S 3/00
(11) EP3327880
(21) EP15898635.6
(47) 11.09.2019
(87) CN2015084740
26.01.2017
(22) 22.07.2015
(54) EXCIMER LASER SYSTEM WITH ANNULAR CHAMBER STRUCTURE
(73) Academy of Opto-Electronics Chinese Academy of Sciences
(72) WANG, Yu
ZHOU, Yi
SONG, Xingliang
SHA, Pengfei
FAN, Yuanyuan
ZHAO, Jiangshan
SHI, Haiyan
LI, Hui
DING, Jinbin
SHAN, Yaoying
WANG, Qian
CAI, Qianwei
PENG, Zhuojun

(51) H01S 5/14
H01S 5/022
H01S 5/02
H01S 5/024
H01S 5/028
H01S 5/10
H01S 3/081
H01S 3/1055
H01S 3/02
(11) EP2521226
(21) EP10841067.1
(47) 11.09.2019
(87) JP2010073841
07.07.2011
(22) 30.12.2010
(54) EXTERNAL RESONATOR LASER
(73) National University Corporation Chiba University
(72) MURO Kiyohumi
ENDO Tomohisa
SHIMADA Yasutaka
FUKUOKA Daisuke
(31) 2009299284
(32) 30.12.2009
(33) Japan

(51) H01T 13/36
F02P 13/00
F23N 5/12
H01T 13/40
(11) EP2763250
(21) EP13006062.7
(47) 11.09.2019
(22) 30.12.2013
(54) Ignition plug and method of manufacturing the same
(73) NGK Spark Plug Co., Ltd.
(72) Yamada, Tatsunori
Yamamura, Naofumi
Ban, Kenji
(31) 2013016299
2013208999
(32) 31.01.2013
04.10.2013
(33) Japan
Japan

(51) H01T 21/02
H01T 13/36
(11) EP3096421
(21) EP15737449.7
(47) 11.09.2019
(87) JP2015000096
23.07.2015
(22) 13.01.2015
(54) METHOD FOR MANUFACTURING SPARK PLUG
(73) NGK Spark Plug Co., Ltd.
(72) KAWAI, Tomoki
(31) 2014004814
(32) 15.01.2014
(33) Japan

(51) H02B 1/052
H02B 1/20
(11) EP2878054
(21) EP13744434.5
(47) 11.09.2019
(87) EP2013002208
30.01.2014
(22) 25.07.2013
(54) ASSEMBLY SYSTEM FOR THE MOUNTING OF E.G. ELECTRICAL APPLIANCES ESPECIALLY IN ELECTRICAL CABINETS
(73) Friedrich Lütze GmbH
(72) LÜTZE, Udo
LANG, Jürgen
ERKER, Hubert
GHIZELEA, Virgil
(31) 102012014975
(32) 25.07.2012
(33) Germany

(51) H02B 3/00
(11) EP3032665
(21) EP14197037.6
(47) 11.09.2019
(22) 09.12.2014
(54) Retrofitting device for medium voltage switchgear
(73) ABB Schweiz AG
(72) Magoni, Stefano
Gemme, Carlo
Magno, Giorgio
Pellegrini, Fabio

(51) H02B 11/127
H01H 3/58
(11) EP3193418
(21) EP16189448.0
(47) 11.09.2019
(22) 19.09.2016
(54) DRAW OUT APPARATUS FOR AIR CIRCUIT BREAKER
(73) LSIS Co., Ltd.
(72) KIM, Kyujung
(31) 20160005488
(32) 15.01.2016
(33) Korea (Republic)

(51) H02B 13/00
(11) EP3032666

(21) EP14004199.7
(47) 11.09.2019
(22) 12.12.2014
(54) Push lead through for gas insulated medium voltage switchgear
(73) ABB Schweiz AG
(72) Messadi, Mohamed
Hensel, Jürgen
Mildes, Hartmut
Fußbahn, Olaf

(51) H02B 13/025
(11) EP2965392
(21) EP13876778.5
(47) 11.09.2019
(87) US2013029406
12.09.2014
(22) 06.03.2013
(54) DEFORMING PRESSURE RING SEAL FOR AN ARC-RESISTANT SWITCHGEAR DUCT
(73) Schneider Electric USA, Inc.
(72) JORDAN, Jeffrey, T.
VÁZQUEZ, Sergio, Flores
VEGA, Alberto, Guerrero
MOTLEY, Gregory, O.

(51) H02G 1/06
E02F 5/10
F16L 1/032
G02B 6/50
E02F 5/08
E02F 5/12
E02F 5/14
H02G 9/02
(11) EP2847836
(21) EP13788540.6
(47) 11.09.2019
(87) SE2013050522
14.11.2013
(22) 08.05.2013
(54) MACHINE FOR SAWING TRENCHES AND PLACING DUCTS/CABLES
(73) DellCron Innovation AB
(72) GUSTAVSSON, Conny
HULTMAN, Hasse
(31) 1250478
(32) 10.05.2012
(33) Sweden

(51) H02G 3/10
H04M 1/02
(11) EP2551976
(21) EP12004469.8
(47) 11.09.2019
(22) 13.06.2012
(54) Locking system of a station, in particular door station, for a building communication system
(73) ABB Schweiz AG
(72) Wiese, Michael
Schrage, Ortwin
Lerke, Richard
Lisson, Werner
(31) 102011108926
(32) 27.07.2011
(33) Germany

(51) H02G 3/18
H02G 9/10
H02G 3/14
E04F 19/08
(11) EP3005506
(21) EP14731701.0
(47) 11.09.2019
(87) FR2014051197
11.12.2014
(22) 21.05.2014
(54) BOX IN THE GROUND FOR ELECTRICAL APPLIANCES WITH AN ISOLATED CASING
(73) Legrand France
Legrand SNC
(72) BUARD, Yvon
(31) 1355210
(32) 06.06.2013
(33) France

(51) H02G 13/00
(11) EP3262730
(21) EP16707693.4
(47) 11.09.2019
(87) EP2016054006
01.09.2016
(22) 25.02.2016
(54) CONTROLLING A LIGHTNING PROTECTION SYSTEM
(73) ArianeGroup SAS
(72) ASPAS PUERTOLAS, Jesus
NGUYEN, François
(31) 1551680
(32) 27.02.2015
(33) France

(51) H02H 3/00
H02H 9/08
H02H 3/16
H02H 7/122
H02H 7/20
H02J 3/38
(11) EP2118980
(21) EP07752585.5
(47) 11.09.2019
(87) US2007005897
12.09.2008
(22) 06.03.2007
(54) BIPOLAR DC TO AC POWER CONVERTER WITH DC GROUND FAULT INTERRUPT
(73) Xantrex Technology, Inc.
(72) WEST, Richard, T.

(51) H02H 3/08
G06F 17/50
(11) EP2638610
(21) EP11790814.5
(47) 11.09.2019
(87) US2011057197
18.05.2012
(22) 21.10.2011
(54) THERMAL MEMORY IN A FAULT POWERED SYSTEM
(73) Schneider Electric USA, Inc.
(72) STUDER, II, Richard, Allen
MOFFITT, Ryan, James
MEEHLEDER, Steve, M.
(31) 945616
(32) 12.11.2010
(33) United States of America

(51) H02H 5/04
H02H 11/00
(11) EP2099637
(21) EP07847830.2
(47) 11.09.2019
(87) EP2007063335
12.06.2008
(22) 05.12.2007
(54) DEVICE FOR CONTROLLING THE MODE OF OPERATION OF AN ELECTRIC CIRCUIT IN A MOTOR VEHICLE
(73) SEG Automotive Germany GmbH
(72) HERZ, Michael
SUELZLE, Helmut
(31) 102006057931
(32) 08.12.2006
(33) Germany

(51) H02J 3/00
H02J 9/00
H02M 7/797
H02J 9/06
(11) EP2695290
(21) EP12725527.1
(47) 11.09.2019
(87) IL2012050129
11.10.2012
(22) 05.04.2012
(54) MULTI-INPUT UNINTERRUPTIBLE POWER SUPPLY WITH AN AC VOLTAGE OUTPUT
(73) Yaironit Ltd.
(72) ZILBERBERG, Ofer
FLAXER, Eli
(31) 201161472518 P
(32) 06.04.2011
(33) United States of America

(51) H02J 3/14
H02J 3/00
(11) EP2355294
(21) EP10194551.7
(47) 11.09.2019
(22) 10.12.2010
(54) Adjustment of load profiles and supply profiles
(73) innogy Netze Deutschland GmbH
(72) Hammerschmidt, Torsten
Willing, Stefan
Gaul, Dr.-Ing., Armin
(31) 102010006527
(32) 01.02.2010
(33) Germany

(51) H02J 3/38
H02J 3/48
(11) EP3267548
(21) EP17179504.0
(47) 11.09.2019
(22) 04.07.2017
(54) WIND POWER GENERATING EQUIPMENT, OPERATION METHOD THEREOF, AND WIND FARM
(73) Hitachi, Ltd.
(72) ITOH, Yuta
SAKAMOTO, Kiyoshi
MEGURO, Hikaru
FUJII, Tomohiro
(31) 2016133235
(32) 05.07.2016
(33) Japan

(51) H02J 3/38
H02M 1/36
H02M 7/44

(11) EP2991184
(21) EP15178967.4
(47) 11.09.2019
(22) 29.07.2015
(54) METHOD FOR STARTUP CONTROL OF PHOTOVOLTAIC INVERTER, SYSTEM THEREOF, AND PHOTOVOLTAIC POWER GENERATION SYSTEM
(73) Sungrow Power Supply Co., Ltd.
(72) LI, Xiaoxun
HAN, Zhiqiang
LI, Haoyuan
MEI, Xiaodong
WU, Touming
HE, Chao
SONG, Yang
(31) 201410427714
(32) 27.08.2014
(33) China

(51) H02J 5/00
H02J 7/02
H02J 50/10
H02J 50/40
H02J 50/90
B62D 1/04
(11) EP3024111
(21) EP15195274.4
(47) 11.09.2019
(22) 19.11.2015
(54) OPPORTUNISTIC CHARGING OF AN ELECTRONIC DEVICE
(73) Harman International Industries, Incorporated
(72) KIM, Seonman
(31) 201414552221
(32) 24.11.2014
(33) United States of America

(51) H02J 7/00
(11) EP3026783
(21) EP15202503.7
(47) 11.09.2019
(22) 21.05.2010
(54) SYSTEM AND METHOD FOR CELL BALANCING AND CHARGING USING A SERIALLY COUPLED INDUCTOR AND CAPACITOR
(73) Intersil Americas LLC
(72) Moussaoui, Zaki
Allen, Tony
(31) 180618 P
244643 P
650775
779433
(32) 22.05.2009
22.09.2009
31.12.2009
13.05.2010
(33) United States of America
United States of America
United States of America
United States of America

(51) H02J 7/00
(11) EP3331125
(21) EP17203952.1
(47) 11.09.2019
(22) 28.11.2017
(54) METHOD FOR BALANCING LOAD STATES OF A PLURALITY OF DEVICES FOR STORING ELECTRIC ENERGY
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(72) GAOUA, Yacine
AL SHAKARCHI, Franck
DELAPLAGNE, Tony
(31) 1661779
(32) 01.12.2016
(33) France

(51) H02J 7/00
(11) EP2885853
(21) EP13733012.2
(47) 11.09.2019
(87) EP2013064162
20.02.2014
(22) 04.07.2013
(54) SWITCHABLE ENERGY STORAGE DEVICE AND METHOD FOR OPERATING A SWITCHABLE ENERGY STORAGE DEVICE
(73) Robert Bosch GmbH
(72) FEUERSTACK, Peter
WEISSENBORN, Erik
KESSLER, Martin
(31) 102012214446
(32) 14.08.2012
(33) Germany

(51) H02J 7/00
B60L 50/00
B60L 50/50
G01C 21/34
G06Q 10/02
H01M 10/42
H02J 4/00
G06Q 30/02
E05B 81/56
G06Q 30/06
H01M 10/44
B60L 15/20
B60S 5/06
B60L 50/40
B60L 50/51
B60L 53/80
B60L 53/30
B60L 53/65
B60L 58/12
B60L 50/60
(11) EP2737596
(21) EP12817883.7
(47) 11.09.2019
(87) US2012048380
31.01.2013
(22) 26.07.2012
(54) APPARATUS, METHOD AND ARTICLE FOR PROVIDING INFORMATION REGARDING AVAILABILITY OF POWER STORAGE DEVICES AT A POWER STORAGE DEVICE COLLECTION, CHARGING AND DISTRIBUTION MACHINE
(73) Gogoro Inc.
(72) WU, Yi-Tsung
TAYLOR, Matthew Whiting
LUKE, Hok-Sum, Horace
CHEN, Jung-Hsiu
(31) 201161511900 P
201161511887 P
201161511880 P
201161534772 P
201161534753 P
201161534761 P
201161557170 P
201161581566 P
201261601404 P
201261601949 P
201261601953 P
201261647936 P
201261647941 P
(32) 26.07.2011
26.07.2011
26.07.2011
14.09.2011
14.09.2011
14.09.2011
08.11.2011
29.12.2011
21.02.2012
22.02.2012
22.02.2012
16.05.2012
16.05.2012
(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
United States of America
United States of America
United States of America
United States of America

(51) H02J 7/00
H01M 10/44
H01M 10/052
(11) EP2965399
(21) EP14713541.2
(47) 11.09.2019
(87) FR2014050511
12.09.2014
(22) 06.03.2014
(54) MANAGEMENT OF BATTERY CHARGING
(73) Renault S.A.S.
(72) SAINT-MARCOUX, Antoine
DELOBEL, Bruno
GIRAUD, Marc-Henri
(31) 1352033
(32) 07.03.2013
(33) France

(51) H02J 7/00
H02J 1/00
H02J 13/00
H02J 1/08
H02M 3/04
(11) EP2987221
(21) EP14785461.6
(47) 11.09.2019
(87) SE2014050450
23.10.2014
(22) 11.04.2014
(54) ARRANGEMENT AND METHOD FOR VOLTAGE CONVERSION
(73) Seldén Mast AB
(72) KARLSSON, Jan

(31) 1350482
(32) 17.04.2013
(33) Sweden
(51) H02J 7/04
H02J 7/35
(11) EP3190681
(21) EP17150313.9
(47) 11.09.2019
(22) 04.01.2017
(54) METHOD AND DEVICE FOR CHARGING A BATTERY
(73) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
BUBENDORFF Société Anonyme
(72) ZARA, Henri
VIAL, Franck
KLEIN, Jean-Marie
DESMOULIERE, Jean-Baptiste
FRITSCH, Thomas
(31) 1650116
(32) 07.01.2016
(33) France
(51) H02J 9/06
H01M 10/46
G05F 1/66
H01M 10/42
H02J 7/00
(11) EP2820740
(21) EP13713757.6
(47) 11.09.2019
(87) EP2013054193
06.09.2013
(22) 01.03.2013
(54) CONTROL MODULE FOR AN ELECTRICAL ENERGY ACCUMULATOR, ENERGY ACCUMULATOR UNIT HAVING SUCH A CONTROL MODULE, UNINTERRUPTIBLE POWER SUPPLY UNIT AND METHOD FOR OPERATING A CONTROL MODULE
(73) Phoenix Contact GmbH & Co. KG
(72) ZEUCH, Jochen
HEINEMANN, Michael
HENKEL, Hartmut
(31) 102012101769
(32) 02.03.2012
(33) Germany
(51) H02J 13/00
H02J 3/14
H02J 3/00
G06Q 10/04
G06Q 10/06
G06Q 50/06
(11) EP2446519
(21) EP10727132.2
(47) 11.09.2019
(87) IB2010001085
29.12.2010
(22) 12.05.2010
(54) LOAD SCHEDULING OPTIMIZATION IN DISTRIBUTED SYSTEM
(73) ABB Schweiz AG
(72) SUNDARAM, Senthil, Kumar
SELVARAJ, Gopinath
KUNDANAGAR, Rohini, Suresh
NARAYANAN, Venkateswaran
(31) 1502CH2009
(32) 26.06.2009
(33) India
(51) H02J 50/00
H02J 7/00
H02J 7/02
H02J 7/04
H03K 17/12
H02J 50/10
(11) EP3098931
(21) EP14884565.4
(47) 11.09.2019
(87) CN2014072867
11.09.2015
(22) 04.03.2014
(54) CHARGING CIRCUIT AND TERMINAL
(73) Huawei Device Co., Ltd.
(72) LIU, Wenju
PENG, Zhonghui
YANG, Jiangtao
(51) H02J 50/00
H02J 7/00
H02J 50/12
H02J 5/00
H02J 7/02
H02J 7/04
H02J 50/80
H02J 50/10
H02J 50/50
(11) EP3072215
(21) EP14863517.0
(47) 11.09.2019
(87) KR2014011216
28.05.2015
(22) 20.11.2014
(54) WIRELESS CHARGING APPARATUS AND WIRELESS CHARGING METHOD
(73) Samsung Electronics Co., Ltd
(72) PARK, Sung-Bum
(31) 20130141565
(32) 20.11.2013
(33) Korea (Republic)
(51) H02J 50/10
H02J 50/80
H02J 50/50
B25J 19/00
H02J 50/12
(11) EP3151381
(21) EP16191395.9
(47) 11.09.2019
(22) 29.09.2016
(54) WIRELESS POWER TRANSMISSION SYSTEM
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) KIKUCHI, Satoru
SAKATA, Tsutomu
TAKAHASHI, Eiji
KANNO, Hiroshi
(31) 201562236315 P
2016054002
(32) 02.10.2015
17.03.2016
(33) United States of America
Japan
(51) H02J 50/12
H02J 50/40
H02J 50/50
(11) EP3105835
(21) EP14882728.0
(47) 11.09.2019
(87) CN2014078414
20.08.2015
(22) 26.05.2014
(54) AUXILIARY CIRCUITS FOR SELECTION AND ENHANCEMENT OF MULTI-FREQUENCY WIRELESS POWER TRANSFER TO MULTIPLE LOADS
(73) The University of Hong Kong
(72) ZHONG, Wenxing
HUI, Shu Yuen
(31) 201414178987
(32) 12.02.2014
(33) United States of America
(51) H02J 50/12
H02J 50/40
H02J 50/80
H02M 3/335
H02J 7/00
H05B 37/03
H05B 41/36
(11) EP2403098
(21) EP11181818.3
(47) 11.09.2019
(22) 22.01.2004
(54) Adaptive inductive power supply with communication
(73) Philips IP Ventures B.V.
(72) Baarman, David W.
(31) 444794 P
689148
(32) 04.02.2003
20.10.2003
(33) United States of America
United States of America
(51) H02J 50/12
H02M 3/155
G01L 3/10
H01F 38/14
H02J 50/80
(11) EP3104496
(21) EP15737713.6
(47) 11.09.2019
(87) JP2015051099
23.07.2015
(22) 16.01.2015
(54) NON-CONTACT POWER SUPPLY APPARATUS AND TORQUE SENSOR
(73) Hitachi Automotive Systems, Ltd.
(72) ICHIKAWA, Katsuei
SOMA, Atsuo
MIYAJIMA, Kentarou
ASHIDA, Kisho
ISHII, Makoto
SASAKI, Motohiro
IWAISHI, Keisuke
URUSHIHATA, Yuuya
(31) 2014008087
(32) 20.01.2014
(33) Japan
(51) H02J 50/60
(11) EP3326262
(21) EP16747865.0
(47) 11.09.2019
(87) EP2016066729
02.02.2017

(22) 14.07.2016
(54) DETECTION OF A FOREIGN OBJECT IN AN ELECTROMAGNETIC FIELD, IN PARTICULAR BY MEANS OF AN NFC CHIP
(73) Conti Temic microelectronic GmbH
(72) BAREISS, Thomas
WOHLWENDER, Christian
(31) 102015213981
(32) 24.07.2015
(33) Germany

(51) H02J 50/80
H02J 50/10
B64D 11/06
B60R 16/023
B60R 16/027
B64D 11/00
H04B 5/00
(11) EP2658072
(21) EP13165568.0
(47) 11.09.2019
(22) 26.04.2013
(54) System for contactless transfer of energy and data and vehicle with such a system
(73) Airbus Operations GmbH
(72) Bauer, Hans-Achim
Zybala, Andre
(31) 102012008540
201261639249 P
(32) 27.04.2012
27.04.2012
(33) Germany
United States of America

(51) H02K 1/14
H02K 1/18
H02K 15/02
H02K 3/34
H02K 15/12
(11) EP2439831
(21) EP09845528.0
(47) 11.09.2019
(87) JP2009060309
09.12.2010
(22) 05.06.2009
(54) SPLIT STATOR AND MANUFACTURING METHOD THEREOF
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) UENO Yasuhiro
YOSHIMURA Joji
NAKANISHI Koji

(51) H02K 1/18
H02K 5/24
(11) EP2810357
(21) EP13705302.1
(47) 11.09.2019
(87) US2013023845
08.08.2013
(22) 30.01.2013
(54) MOTOR AND VIBRATION REDUCTION SYSTEM FOR A MOTOR
(73) Regal Beloit America, Inc.
(72) ZHENG, Nengan
(31) 201261592465 P
(32) 30.01.2012
(33) United States of America

(51) H02K 1/22
H02K 15/02
H02K 1/27
(11) EP3319209
(21) EP17208048.3
(47) 11.09.2019
(22) 06.05.2011
(54) ROTOR LAMINATION ASSEMBLY
(73) Remy Technologies, LLC
(72) CHAMBERLIN, Bradley D.
BALAZS, Palfai
(31) 786098
(32) 24.05.2010
(33) United States of America

(51) H02K 1/27
H02K 15/03
(11) EP3229347
(21) EP17164595.5
(47) 11.09.2019
(22) 03.04.2017
(54) COMPRESSOR MOTOR AND METHOD FOR MAGNETIZING ROTOR THEREOF
(73) Samsung Electronics Co., Ltd
(72) LEE, Dong-bum
KIM, Gyeong-don
RYU, Young-ju
CHOI, Jong-hyun
HWANG, In-cheol
(31) 20160041806
20170015368
(32) 05.04.2016
03.02.2017
(33) Korea (Republic)
Korea (Republic)

(51) H02K 1/27
H02K 29/03
(11) EP2712058
(21) EP11865546.3
(47) 11.09.2019
(87) JP2011061164
22.11.2012
(22) 16.05.2011
(54) PERMANENT-MAGNET TYPE ROTATING ELECTRICAL MACHINE
(73) Mitsubishi Electric Corporation
(72) HAZEYAMA, Moriyuki
KANEKO, Kenta
INOUE, Masaya

(51) H02K 3/28
(11) EP2871755
(21) EP14192241.9
(47) 11.09.2019
(22) 07.11.2014
(54) ROTATING MACHINERY
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) Yoshida, Jun
Takahashi, Kazuhiko
Yanagita, Norihito
Tounosu, Shigeki
(31) 2013231090
(32) 07.11.2013
(33) Japan

(51) H02K 5/22
H02K 15/14
(11) EP2793374
(21) EP14164169.6
(47) 11.09.2019
(22) 10.04.2014
(54) Terminal assembly for electric machine
(73) Hamilton Sundstrand Corporation
(72) Hochstetler, Derek R.
Abels, Jan Henry
(31) 201313862650
(32) 15.04.2013
(33) United States of America

(51) H02K 5/24
(11) EP2456053
(21) EP11189022.4
(47) 11.09.2019
(22) 14.11.2011
(54) MOTOR SUPPORTING DEVICE, IN PARTICULAR FOR AN ELECTRIC FAN UNIT
(73) Valeo Systemes Thermiques
(72) Legot, Laurent
Duputel, Patrick
Barbier, Thierry
Gontier, Cyril
Pierres, Philippe
Queinnec, Jean-Yves
(31) 1004474
(32) 17.11.2010
(33) France

(51) H02K 11/00
H01B 9/00
H02P 29/00
H02K 11/33
H02K 11/20
(11) EP2132870
(21) EP08734697.9
(47) 11.09.2019
(87) EP2008002262
09.10.2008
(22) 20.03.2008
(54) MOTOR ARRANGEMENT
(73) Robert Bosch GmbH
(72) KUNKEL, Helmut
BODNER, Rudolf
(31) 102007015102
(32) 29.03.2007
(33) Germany

(51) H02K 11/00
H01R 39/58
G01R 31/34
(11) EP3120444
(21) EP15720426.4
(47) 11.09.2019
(87) IB2015052114
24.09.2015
(22) 23.03.2015
(54) ALTERNATOR, PREFERABLY FOR AN ELECTRIC POWER PLANT, AND METHOD FOR MONITORING THE CONDITIONS OF AT LEAST ONE SLIDING CONTACT OF AN ALTERNATOR
(73) Ansaldo Energia S.p.A.
(72) D'AGOSTINO, Fabrizio
DI LIDDO, Sergio
BOTTO, Guido
VERRECCHIA, Paolo
CARASSALE, Riccardo
(31) MI20140474
(32) 21.03.2014
(33) Italy

(51) H02K 13/10
H01R 39/18
(11) EP3386079
(21) EP16870998.8

(47) 11.09.2019
(87) KR2016013836
08.06.2017
(22) 29.11.2016
(54) MOTOR AND VEHICLE INCLUDING SAME
(73) LG Innotek Co., Ltd.
(72) KIM, Jae Young
KIM, Hong Hyoun
(31) 20150170241
(32) 01.12.2015
(33) Korea (Republic)

(51) H02K 15/02
H02K 1/12
H02K 1/22
(11) EP3175539
(21) EP15753613.7
(47) 11.09.2019
(87) EP2015001569
04.02.2016
(22) 30.07.2015
(54) LAMINATED CORE AND METHOD FOR PRODUCTION THEREOF
(73) Kienle + Spiess GmbH
(72) BAUER, Steffen
BÖKER, Björn
(31) 102014011474
(32) 30.07.2014
(33) Germany

(51) H02K 21/24
H02K 16/02
H02K 1/27
H02K 16/04
(11) EP2169806
(21) EP08790672.3
(47) 11.09.2019
(87) JP2008061707
31.12.2008
(22) 27.06.2008
(54) AXIAL GAP ROTATING ELECTRIC MACHINE
(73) Shin-Etsu Chemical Co., Ltd.
(72) MIYATA, Koji
WATANABE, Naoki
HONSHIMA, Masakatsu
(31) 2007170122
2007276338
(32) 28.06.2007
24.10.2007
(33) Japan
Japan

(51) H02K 23/04
H02K 1/26
H02K 13/00
H02K 23/00
(11) EP2858220
(21) EP12877581.4
(47) 11.09.2019
(87) JP2012063475
28.11.2013
(22) 25.05.2012
(54) ELECTRIC MOTOR
(73) Mitsuba Corporation
(72) KAWASHIMA Yoshichika
TOKIZAKI Teppei
KOJIMA Naoki

(51) H02K 29/00
B25F 5/00
H01L 23/13
H02K 11/00
(11) EP2342805
(21) EP09787964.7
(47) 11.09.2019
(87) JP2009059643
01.04.2010
(22) 20.05.2009
(54) POWER TOOL
(73) Koki Holdings Co., Ltd.
(72) OOMORI, Katsuhiro
TOUKAIRIN, Junichi
TAKANO, Nobuhiro
IWATA, Kazutaka
NISHIKAWA, Tomomasa
(31) 2008250356
2009041419
(32) 29.09.2008
24.02.2009
(33) Japan
Japan

(51) H02K 51/00
H02K 47/20
H02M 5/32
H02P 17/00
H02P 23/00
H02P 27/00
(11) EP2592734
(21) EP11009028.9
(47) 11.09.2019
(22) 14.11.2011
(54) Electrical gear and method for operating a machinery rotating at high speed
(73) Vetco Gray Scandinavia AS
(72) Tomter, Ole Petter

(51) H02M 1/08
H02M 1/12
H03K 17/16
H02M 1/00
(11) EP3410589
(21) EP17173317.3
(47) 11.09.2019
(22) 29.05.2017
(54) INVERTER, DEVICE WITH SUCH AN INVERTER, SYSTEM AND METHOD FOR CONTROLLING A CONTROLLABLE ENERGY SOURCE
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) MATLOK, Stefan
ECKARDT, Bernd

(51) H02M 1/12
H02M 7/5387
(11) EP2151041
(21) EP08746989.6
(47) 11.09.2019
(87) US2008061708
13.11.2008
(22) 28.04.2008
(54) SYSTEM AND METHOD FOR CONTROLLING HARMONICS INJECTED ONTO AN INPUT LINE BY A WELDING-TYPE SYSTEM
(73) Illinois Tool Works Inc.
(72) VOGEL, Bernard J.
MADSEN, Michael D.
BATZLER, Todd G.
(31) 744533
(32) 04.05.2007
(33) United States of America

(51) H02M 1/32
G05D 23/19
(11) EP3133727
(21) EP16162777.3
(47) 11.09.2019
(22) 30.03.2016
(54) IMPROVING LIFE OF A SEMICONDUCTOR BY REDUCING TEMPERATURE CHANGES THEREIN VIA SWITCHING FREQUENCY
(73) GE Energy Power Conversion Technology Ltd
(72) SMITH, David
WAGONER, Robert Gregory
(31) 201514677995
(32) 03.04.2015
(33) United States of America

(51) H02M 1/32
H02M 7/5387
H02M 7/521
H02M 7/483
(11) EP2800260
(21) EP12861728.9
(47) 11.09.2019
(87) KR2012011363
04.07.2013
(22) 24.12.2012
(54) PROTECTION CIRCUIT FOR PROTECTING VOLTAGE SOURCE CONVERTER
(73) Hyosung Heavy Industries Corporation
(72) PARK, Jung Soo
CHOI, Jong Yun
(31) 20110144641
(32) 28.12.2011
(33) Korea (Republic)

(51) H02M 1/36
H05B 33/08
H02M 3/335
H02M 7/06
H02M 3/22
H02M 1/00
(11) EP3346593
(21) EP17200852.6
(47) 11.09.2019
(22) 29.07.2011
(54) COORDINATED DIMMER COMPATIBILITY FUNCTIONS
(73) Signify Holding B.V.
(72) MELANSON, John, L.
KING, Eric, J.
(31) 369202 P
(32) 30.07.2010
(33) United States of America

(51) H02M 1/42
(11) EP2498388
(21) EP12158218.3
(47) 11.09.2019
(22) 06.03.2012
(54) Power conversion apparatus and power conversion method thereof
(73) LSIS Co., Ltd.
(72) Lee, Jae Ho
(31) 20110020253
(32) 08.03.2011

(33) Korea (Republic)

(51) H02M 3/156
H02M 1/00
(11) EP2849327
(21) EP14179925.4
(47) 11.09.2019
(22) 05.08.2014
(54) Variable step-down converter and battery charging station with such a step-down converter
(73) Schaltbau Refurbishment GmbH
(72) Delere, Jörg
Feske, André
Gollbach, Dr. Martin
(31) 102013109364
(32) 29.08.2013
(33) Germany

(51) H02M 3/335
(11) EP2378652
(21) EP11151486.5
(47) 11.09.2019
(22) 20.01.2011
(54) Circuit configuration and method for potential-separated energy transmission with two output direct currents
(73) SEMIKRON Elektronik GmbH & Co. KG
(72) Mühlhöfer, Alexander
Königsmann, Gunter
(31) 102010014941
(32) 14.04.2010
(33) Germany

(51) H02M 5/458
H02J 7/34
(11) EP2523333
(21) EP11165626.0
(47) 11.09.2019
(22) 11.05.2011
(54) Method for operating of a frequency inverter with a regulated pre-charge
(73) Siemens Aktiengesellschaft
(72) Dillig, Reinhold
Herrmann, Bernd
Schwinn, Thomas

(51) H02M 5/458
H02M 1/32
H02H 9/00
(11) EP2874298
(21) EP14193453.9
(47) 11.09.2019
(22) 17.11.2014
(54) Pre-charging circuit for an inverter
(73) LSIS Co., Ltd.
(72) Bae, Tae Suk
Lee, Jae Moon
(31) 20130140304
(32) 19.11.2013
(33) Korea (Republic)

(51) H02M 7/00
H02M 7/487
(11) EP2656496
(21) EP11851887.7
(47) 11.09.2019
(87) US2011065727
28.06.2012
(22) 19.12.2011
(54) MECHANICAL ARRANGEMENT OF A MULTILEVEL POWER CONVERTER CIRCUIT
(73) GE Energy Power Conversion Technology Limited
(72) PERMUY, Alfred
BENAVIDES, Nicholas D.
(31) 201061426051 P
201161501876 P
(32) 22.12.2010
28.06.2011
(33) United States of America
United States of America

(51) H02M 7/42
(11) EP1844539
(21) EP06710727.6
(47) 11.09.2019
(87) IB2006050244
03.08.2006
(22) 23.01.2006
(54) METHOD AND INVERTER FOR CONVERTING A DC VOLTAGE INTO A 3-PHASE AC OUTPUT
(73) Signify Holding B.V.
(72) BOEKE, Ulrich
(31) 05100582
(32) 28.01.2005
(33) European Patent Office (EPO)

(51) H02M 7/48
H01L 23/473
B60K 6/26
B60K 6/445
B60K 6/54
B60W 10/08
B60W 20/00
B60K 1/02
B60W 10/06
H01L 23/373
H01L 23/498
H01L 23/50
H01L 23/00
H01L 25/07
H05K 7/20
H02M 7/00
(11) EP2315347
(21) EP09804910.9
(47) 11.09.2019
(87) JP2009063597
11.02.2010
(22) 30.07.2009
(54) SEMICONDUCTOR DEVICE AND POWER CONVERTER USING THE SEMICONDUCTOR DEVICE
(73) Hitachi Automotive Systems, Ltd.
(72) AZUMA, Katsunori
MORI, Mutsuhiro
NAKATSU, Kinya
HAYAKAWA, Seiichi
NISHIKIMI, Fusanori
(31) 2008202603
(32) 06.08.2008
(33) Japan

(51) H02M 7/483
(11) EP2858231
(21) EP13275246.0
(47) 11.09.2019
(22) 07.10.2013
(54) Voltage source converter
(73) General Electric Technology GmbH
(72) Jasim, Omar Fadhel
Trainer, David Reginald

(51) H02M 7/487
H02M 7/515
(11) EP2849329
(21) EP12876328.1
(47) 11.09.2019
(87) JP2012061995
14.11.2013
(22) 10.05.2012
(54) ELECTRIC POWER CONVERSION DEVICE
(73) Toshiba Mitsubishi-Electric Industrial Systems Corporation
(72) HIGASHI, Kotaro

(51) H02M 7/49
(11) EP3123607
(21) EP14728487.1
(47) 11.09.2019
(87) EP2014060827
03.12.2015
(22) 26.05.2014
(54) MODULAR CONVERTER SYSTEM FOR AN ELECTRIC SUPPLY NETWORK
(73) Siemens Aktiengesellschaft
(72) PFEIFER, Markus

(51) H02M 7/49
H02M 7/487
(11) EP2815497
(21) EP13703803.0
(47) 11.09.2019
(87) EP2013052568
22.08.2013
(22) 08.02.2013
(54) GRID FEED APPARATUS, ENERGY FEED SYSTEM AND METHOD FOR OPERATING A GRID FEED APPARATUS
(73) LTI REENERGY GMBH
(72) BACH-PRECKWINKEL, Heiko
BUENTE, Andreas
(31) 102012101156
(32) 14.02.2012
(33) Germany

(51) H02N 1/00
B64C 3/48
(11) EP1737564
(21) EP05725164.7
(47) 11.09.2019
(87) US2005007830
29.09.2005
(22) 11.03.2005
(54) MECHANICAL META-MATERIALS
(73) SRI International
(72) KORNBLUH, Roy D.
PELRINE, Ronald E.
PRAHLAD, Harsha
STANFORD, Scott E.
(31) 552456 P
(32) 12.03.2004
(33) United States of America

(51) H02N 1/04
(11) EP3179623
(21) EP16199654.1
(47) 11.09.2019
(22) 18.11.2016
(54) POWER GENERATING DEVICE

(73) Ricoh Company, Ltd.
(72) ARIZUMI, Yuko
KONDOH, Tsuneaki
IMAI, Takahiro
OTAGIRI, Mizuki
ARAUMI, Mayuka
SUGAWARA, Tomoaki
NATORI, Junichiro
KITAMURA, Megumi
(31) 2015242687
(32) 11.12.2015
(33) Japan

(51) H02N 2/00
B25J 9/12
F04B 43/09
(11) EP3226400
(21) EP17162764.9
(47) 11.09.2019
(22) 24.03.2017
(54) PIEZOELECTRIC ACTUATOR AND PIEZOELECTRIC MOTOR, ROBOT HAND, AND PUMP INCLUDING SUCH ACTUATOR
(73) Seiko Epson Corporation
(72) Kajino, Kiichi
Arakawa, Yutaka
(31) 2016063903
(32) 28.03.2016
(33) Japan

(51) H02P 1/42
(11) EP3322083
(21) EP16205143.7
(47) 11.09.2019
(22) 19.12.2016
(54) DEVICE, SYSTEM AND METHOD FOR STARTING A SINGLE-PHASE INDUCTION MOTOR
(73) Embraco Indústria de Compressores e Soluções em Refrigeração Ltda.
(72) ZANELATO, Marcelo
de SOUZA, Marcos Roberto
(31) 102016026339
(32) 10.11.2016
(33) Brazil

(51) H02P 3/00
B60L 7/10
F04D 25/06
H02M 3/158
(11) EP3329587
(21) EP16745104.6
(47) 11.09.2019
(87) EP2016068062
02.02.2017
(22) 28.07.2016
(54) BRAKING ENERGY RECOVERY SYSTEM FOR AN ELECTRIC MOTOR AND METHOD
(73) Koninklijke Philips N.V.
(72) LINDBERG, Paul, Michael
DABERKO, Norbert
(31) 201562197759 P
(32) 28.07.2015
(33) United States of America

(51) H02P 6/00
(11) EP2552010
(21) EP12005451.5
(47) 11.09.2019
(22) 26.07.2012
(54) Injection molding machine
(73) Sumitomo Heavy Industries, Ltd.
(72) Kato, Atsushi
Morita, Hiroshi
Mizuno, Hiroyuki
Okada, Noritaka
(31) 2011163695
(32) 26.07.2011
(33) Japan

(51) H02P 6/18
H02P 21/18
H02P 23/18
(11) EP2666238
(21) EP12709273.2
(47) 11.09.2019
(87) DE2012100009
26.07.2012
(22) 16.01.2012
(54) METHOD FOR DETERMINING THE POSITION OF THE ROTOR OF AN ELECTRIC MACHINE
(73) Strothmann, Rolf
(72) Strothmann, Rolf
(31) 102011008756
(32) 17.01.2011
(33) Germany

(51) H02P 6/34
H02P 23/14
H02P 3/22
H02P 5/74
(11) EP2456063
(21) EP11009205.3
(47) 11.09.2019
(22) 21.11.2011
(54) Energy distribution recording in a machine with several drives
(73) SCHNEIDER ELECTRIC AUTOMATION GMBH
(72) Stephan, Iulia Dana
Amrhein, Mario
Nesser, Peter
(31) 102010052041
(32) 23.11.2010
(33) Germany

(51) H02P 9/02
H02P 9/30
(11) EP2670045
(21) EP13169784.9
(47) 11.09.2019
(22) 29.05.2013
(54) Dual generator system
(73) Hamilton Sundstrand Corporation
(72) Rozman, Gregory I.
Gieras, Jacek F.
Moss, Steven J.
(31) 201213486829
(32) 01.06.2012
(33) United States of America

(51) H02P 9/04
F03B 15/04
F03B 15/00
F03B 15/06
H02K 7/18
H02J 3/38
(11) EP3174193
(21) EP15826870.6
(47) 11.09.2019
(87) JP2015071179
04.02.2016
(22) 27.07.2015
(54) METHOD FOR AUTONOMOUS OPERATION OF ELECTRICITY-GENERATING DEVICE
(73) Meidensha Corporation
(72) MASUKO, Toshitake
(31) 2014152468
(32) 28.07.2014
(33) Japan

(51) H02P 9/30
(11) EP3096448
(21) EP16170842.5
(47) 11.09.2019
(22) 23.05.2016
(54) WOUND-FIELD GENERATOR INCLUDING ELECTRICALLY ISOLATED ENGINE ALTERNATOR
(73) Hamilton Sundstrand Corporation
(72) VEILLEUX, Leo J.
RIBAROV, Lubomir A.
(31) 201514718431
(32) 21.05.2015
(33) United States of America

(51) H02P 21/00
H02P 6/16
G01D 5/244
(11) EP2926091
(21) EP13812023.3
(47) 11.09.2019
(87) GB2013053141
05.06.2014
(22) 27.11.2013
(54) IMPROVEMENTS IN MOTOR CONTROLLERS
(73) TRW Limited
(72) DIXON, Christopher David
HUXFORD, Robert James
(31) 201221634
(32) 30.11.2012
(33) United Kingdom

(51) H02P 27/06
(11) EP3192165
(21) EP15800753.4
(47) 11.09.2019
(87) EP2015077073
09.06.2016
(22) 19.11.2015
(54) METHOD FOR JOINT TRANSMISSION OF CONTROL SIGNALS AND DIGITAL DATA SIGNALS
(73) Siemens Aktiengesellschaft
(72) DITTERICH, Jürgen
KLEFFEL, Rüdiger
KLEINDIENST, Frank
(31) 14196554
(32) 05.12.2014
(33) European Patent Office (EPO)

(51) H02P 27/06
H02P 21/00
H02P 27/04
H02P 29/024
(11) EP2913918
(21) EP13849735.9
(47) 11.09.2019
(87) JP2013070277
01.05.2014
(22) 26.07.2013

(54) OPEN PHASE DETECTION METHOD AND POWER CONVERSION DEVICE
(73) Hitachi Industrial Equipment Systems Co., Ltd.
(72) ONUMA, Yuusaku
(31) 2012234283
(32) 24.10.2012
(33) Japan

(51) H02P 29/00
F16D 65/18
G05B 19/19
F16H 25/20
H02P 3/26
H02P 6/16
H02K 7/06
H02K 11/00
F16D 121/24
F16D 125/40
F16D 125/50
F16D 127/06
F16D 129/08
G05D 3/12
H02K 11/24
H02P 6/00
(11) EP2928072
(21) EP13860531.6
(47) 11.09.2019
(87) JP2013080503
12.06.2014
(22) 12.11.2013
(54) ELECTRIC LINEAR MOTION ACTUATOR
(73) NTN Corporation
(72) MASUDA Yui
(31) 2012264082
(32) 03.12.2012
(33) Japan

(51) H02S 40/44
H01L 35/24
H01L 35/32
F24S 10/70
H02S 10/10
(11) EP3362743
(21) EP16785111.2
(47) 11.09.2019
(87) EP2016074683
20.04.2017
(22) 14.10.2016
(54) COMBINED THERMOVOLTAIC/ PHOTOVOLTAIC MODULE AND COLLECTOR WITH IONIC LIQUIDS
(73) Tuliport S.a.r.l.
(72) POMMERSHEIM, Rainer
(31) 102015013359
(32) 17.10.2015
(33) Germany

(51) H02S 50/00
H02S 50/10
(11) EP3384595
(21) EP16806042.4
(47) 11.09.2019
(87) EP2016079469
08.06.2017
(22) 01.12.2016
(54) METHOD AND DEVICE FOR EVALUATING THE ENERGY PRODUCED BY AN ELECTRIC ARC IN A PHOTOVOLTAIC INSTALLATION
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
Socomec
(72) CHAINTREUIL, Nicolas
SIAT, Stéphane
(31) 1561623
(32) 01.12.2015
(33) France

(51) H02S 50/10
(11) EP3304731
(21) EP16722894.9
(47) 11.09.2019
(87) EP2016060956
01.12.2016
(22) 17.05.2016
(54) METHOD FOR TESTING THE DIE-ATTACH OF A PHOTOVOLTAIC CELL ASSEMBLY
(73) Saint-Augustin Canada Electric Inc.
(72) GERSTER, Eckart
MEYER-SCHÖNBOHM, Hannes
(31) 102015209612
(32) 26.05.2015
(33) Germany

(51) H02S 50/15
(11) EP3384594
(21) EP16806041.6
(47) 11.09.2019
(87) EP2016079468
08.06.2017
(22) 01.12.2016
(54) METHOD AND DEVICE FOR EVALUATING THE ENERGY PRODUCED BY AN ELECTRIC ARC IN PHOTOVOLTAIC APPARATUS
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
Socomec
(72) CHAINTREUIL, Nicolas
SIAT, Stéphane
(31) 1561628
(32) 01.12.2015
(33) France

(51) H03B 5/18
(11) EP1619789
(21) EP05015656.1
(47) 11.09.2019
(22) 19.07.2005
(54) Low thermal drift, tunable frequency voltage controlled oscillator
(73) Synergy Microwave Corporation
(72) Rohde, Ulrich L.
Poddar, Ajay Kumar
Patel, Parimar
Schoepf, Klaus Juergen
Badea, Daniel
(31) 601823 P
589090 P
(32) 16.08.2004
19.07.2004
(33) United States of America
United States of America

(51) H03F 1/22
H03F 3/193
H03F 3/68
H03F 3/72
H03G 3/20
H04L 27/26
(11) EP2856639
(21) EP13728878.3
(47) 11.09.2019
(87) US2013042726
28.11.2013
(22) 24.05.2013
(54) LOW NOISE AMPLIFIERS FOR CARRIER AGGREGATION
(73) Qualcomm Incorporated
(72) TASIC, Aleksandar Miodrag
DAVIERWALLA, Anosh Bomi
(31) 201261652064 P
201213590423
(32) 25.05.2012
21.08.2012
(33) United States of America
United States of America

(51) H03F 1/26
H03F 3/00
H03F 3/45
H03F 3/42
(11) EP3176945
(21) EP15198050.5
(47) 11.09.2019
(22) 04.12.2015
(54) SWITCHED CAPACITOR INTEGRATOR
(73) ams AG
(72) Steiner, Matthias
Fitzi, Andreas

(51) H03F 1/32
H03F 3/24
H03F 1/02
(11) EP3007354
(21) EP14808271.2
(47) 11.09.2019
(87) JP2014064636
11.12.2014
(22) 02.06.2014
(54) DISTORTION COMPENSATION APPARATUS AND WIRELESS COMMUNICATION APPARATUS
(73) Sumitomo Electric Industries, Ltd.
(72) ONISHI, Masahiko
(31) 2013117263
(32) 03.06.2013
(33) Japan

(51) H03F 1/52
H03F 3/181
H03G 7/00
H03G 9/02
H04R 3/00
(11) EP2538555
(21) EP11170863.2
(47) 11.09.2019
(22) 22.06.2011
(54) Control of a loudspeaker output
(73) NXP B.V.
(72) Gautama, Temujin

(51) H03F 3/60
H03F 3/72
H03F 3/68
H03F 3/19
(11) EP2333951
(21) EP10192424.9
(47) 11.09.2019
(22) 24.11.2010
(54) Payload power amplifier for a multi-beam data-broadcasting satellite

(73) Centre National d'Etudes Spatiales (C.N.E.S.)
(72) Sombrin, Jacques
Puech, Jérôme
(31) 0905817
(32) 02.12.2009
(33) France

(51) H03H 9/02
H03H 3/02
H03H 3/08
(11) EP2628243
(21) EP11764758.6
(47) 11.09.2019
(87) EP2011067508
19.04.2012
(22) 06.10.2011
(54) HETEROGENOUS ACOUSTIC STRUCTURE FORMED FROM A HOMOGENEOUS MATERIAL
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) REINHARDT, Alexandre
(31) 1058402
(32) 15.10.2010
(33) France

(51) H03H 9/64
H03H 7/38
G01K 11/26
G06K 19/067
G06K 19/07
(11) EP3176949
(21) EP15830363.6
(47) 11.09.2019
(87) CN2015081119
11.02.2016
(22) 10.06.2015
(54) DISTRIBUTED SURFACE ACOUSTIC WAVE RESONATOR AND SURFACE ACOUSTIC WAVE SENSING SYSTEM
(73) Mesnac Co. Ltd.
(72) DONG, Lanfei
TENG, Xuezhi
CHEN, Haijun
WEI, Jiangbo
TONG, Qiang
(31) 201410376054
(32) 02.08.2014
(33) China

(51) H03H 9/70
H03H 9/72
H03H 9/05
H04B 1/00
H04B 1/50
(11) EP2760132
(21) EP13197548.4
(47) 11.09.2019
(22) 16.12.2013
(54) Module substrate and duplexer module
(73) TAIYO YUDEN CO., LTD.
(72) Tasaka, Naoyuki
Takezaki, Tooru
Sasaki, Ken
(31) 2013012164
(32) 25.01.2013
(33) Japan

(51) H03J 1/04
G09G 5/00
(11) EP3020131
(21) EP13739772.5
(47) 11.09.2019
(87) GB2013051832
15.01.2015
(22) 10.07.2013
(54) CONTROL PANEL FOR AIRCRAFT
(73) Thales Holdings UK Plc
(72) ROBBINS, David

(51) H03J 3/26
(11) EP3331163
(21) EP17203046.2
(47) 11.09.2019
(22) 22.11.2017
(54) METHOD OF ELECTRICAL BALANCING IN A THREE-PHASE SYSTEM
(73) Power Electronics España, S.L.
(72) SALVO LILLO, David
SALVO LILLO, Abelardo
POVEDA LERMA, Antonio
CAMPS SORIANO, José Luis
ANTÓN PONS, Marcial
(31) 201631532
(32) 30.11.2016
(33) Spain

(51) H03K 5/156
(11) EP3039786
(21) EP14739753.3
(47) 11.09.2019
(87) EP2014064677
05.03.2015
(22) 09.07.2014
(54) CIRCUIT AND METHOD FOR PRODUCING AN OUTPUT SIGNAL WITH A VARIABLE DUTY RATIO
(73) Robert Bosch GmbH
(72) HERMANN, Carsten
(31) 102013217365
(32) 30.08.2013
(33) Germany

(51) H03K 17/06
H03K 17/689
H02M 1/08
H03K 17/04
H03K 17/0412
(11) EP3017542
(21) EP13888610.6
(47) 11.09.2019
(87) IB2013001767
08.01.2015
(22) 04.07.2013
(54) A GATE DRIVE CIRCUIT AND A METHOD FOR CONTROLLING A POWER TRANSISTOR
(73) NXP USA, Inc.
(72) SICARD, Thierry

(51) H03K 17/10
H03K 17/16
(11) EP3243276
(21) EP15784874.8
(47) 11.09.2019
(87) US2015054887
14.07.2016
(22) 09.10.2015
(54) HIGH VOLTAGE SWITCH
(73) United Silicon Carbide Inc.
(72) LI, Xueqing
(31) 201514592542
(32) 08.01.2015
(33) United States of America

(51) H03K 17/14
H03K 17/16
(11) EP2858246
(21) EP13368037.1
(47) 11.09.2019
(22) 07.10.2013
(54) Capacitance minimization switch
(73) Dialog Semiconductor GmbH
(72) Morris, Tim

(51) H03K 17/16
(11) EP2978130
(21) EP14178290.4
(47) 11.09.2019
(22) 24.07.2014
(54) Circuit for controlling slew rate of a high-side switching element
(73) Renesas Electronics Europe GmbH
(72) Braun, Hans-Juergen

(51) H03K 17/945
H03K 17/94
(11) EP3068053
(21) EP14881529.3
(47) 11.09.2019
(87) CN2014090624
13.08.2015
(22) 07.11.2014
(54) A CONTROL CIRCUIT AND TERMINAL
(73) Sanechips Technology Co., Ltd.
(72) SHI, Qingwei
(31) 201420404386 U
(32) 21.07.2014
(33) China

(51) H03K 19/177
(11) EP2645574
(21) EP13159709.8
(47) 11.09.2019
(22) 18.03.2013
(54) Integrated circuits with multi-stage logic regions
(73) Altera Corporation
(72) Cashman, David
Lewis, David
Manohararajah, Valavan
(31) 201213434847
(32) 29.03.2012
(33) United States of America

(51) H03L 7/093
G06F 1/08
(11) EP2862036
(21) EP13737333.8
(47) 11.09.2019
(87) FR2013051433
27.12.2013
(22) 19.06.2013
(54) DEVICE FOR SUPPLYING AN ELECTRONIC CIRCUIT
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) PUSCHINI PASCUAL, Diego
LESECQ, Suzanne
(31) 1255707
(32) 19.06.2012
(33) France

(51) H03M 5/02
B66B 1/34
H03M 1/22

H03M 7/22
(11) EP2946476
(21) EP13872262.4
(47) 11.09.2019
(87) US2013022079
24.07.2014
(22) 18.01.2013
(54) ENCODER RESOLUTION REDUCTION
(73) Otis Elevator Company
(72) KANG, Keunmo
CULP, Slade, R.
BOGLI, Craig, Drew
VERONESI, William, A.
MARVIN, Daryl, J.

(51) H03M 13/11
G06F 11/10
(11) EP2907033
(21) EP13845345.1
(47) 11.09.2019
(87) US2013063843
17.04.2014
(22) 08.10.2013
(54) METHOD AND APPARATUS FOR ERROR CORRECTION USING LDPC CODES
(73) Micron Technology, Inc.
(72) SHARIFI TEHRANI, Saeed
RICHARDSON, Nicholas J.
(31) 201213649822
(32) 11.10.2012
(33) United States of America

(51) H04B 1/00
H04B 1/12
(11) EP3235139
(21) EP15744540.4
(47) 11.09.2019
(87) EP2015067074
02.02.2017
(22) 24.07.2015
(54) A COMMUNICATION APPARATUS AND METHOD
(73) Huawei Technologies Co., Ltd.
(72) NUYTS, Pieter
VANDENAMEELE, Patrick
CORNELISSENS, Koen

(51) H04B 1/38
H04B 1/54
H04W 84/08
H04B 1/40
(11) EP2504929
(21) EP10788418.1
(47) 11.09.2019
(87) NL2010050797
03.06.2011
(22) 26.11.2010
(54) Enhancement of a push-to-talk communication system.
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) OVERDUIN, Rudy
RIJSDIJK, Petrus, Johannes, Maria
GUSTAFSSON, Nils, Anders, Stefan
(31) 09177408
10154398
10169407
(32) 27.11.2009
23.02.2010
13.07.2010
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) H04B 1/59
G08C 17/02
G06K 7/10
G06K 19/07
G06K 19/077
(11) EP3090490
(21) EP13900820.5
(47) 11.09.2019
(87) FI2013051214
09.07.2015
(22) 30.12.2013
(54) PASSIVE WIRELESS SENSOR
(73) Metso Oyj
(72) VIIKARI, Ville

(51) H04B 1/7103
H04J 11/00
H04B 7/26
H04L 5/00
H04L 27/26
H04B 1/7107
(11) EP3292670
(21) EP16802499.0
(47) 11.09.2019
(87) CN2016083487
08.12.2016
(22) 26.05.2016
(54) MC-CDMA WITH LOW PEAK-TO-AVERAGE POWER RATIO MULTI-CARRIER WAVEFORM
(73) Huawei Technologies Co., Ltd.
(72) JIA, Ming
MA, Jianglei
(31) 201562168437 P
201562262142 P
201615164388
(32) 29.05.2015
02.12.2015
25.05.2016
(33) United States of America
United States of America
United States of America

(51) H04B 1/7105
H04B 1/7107
H04B 7/08
H04J 11/00
H04B 7/0413
(11) EP2845323
(21) EP13730324.4
(47) 11.09.2019
(87) IB2013053451
07.11.2013
(22) 01.05.2013
(54) EFFICIENT FREQUENCY DOMAIN (FD) MMSE EQUALIZATION WEIGHT UPDATES IN A MULTI-STAGE PARALLEL INTERFERENCE CANCELLATION RECEIVER
(73) Guangdong OPPO Mobile Telecommunications Corp., Ltd.
(72) WANG, Yi-Pin Eric
(31) 201213463974
(32) 04.05.2012
(33) United States of America

(51) H04B 3/30
H04L 1/00
H04L 25/03
(11) EP3243307
(21) EP16739874.2
(47) 11.09.2019
(87) IB2016050365
28.07.2016
(22) 25.01.2016
(54) FAST ADAPTIVE MODE-CONVERSION DIGITAL CANCELLER
(73) Valens Semiconductor Ltd.
(72) LIDA, Eyran
COHEN, Gaby Gur
SALAMON, Aviv
GREISS, Israel
(31) 201562107483 P
(32) 25.01.2015
(33) United States of America

(51) H04B 5/00
(11) EP3136502
(21) EP14893099.3
(47) 11.09.2019
(87) CN2014083063
03.12.2015
(22) 25.07.2014
(54) NEAR FIELD COMMUNICATION ANTENNA DEVICE
(73) ZTE Corporation
(72) WANG, Kai
(31) 201420283701 U
(32) 29.05.2014
(33) China

(51) H04B 5/00
(11) EP3280061
(21) EP17182509.4
(47) 11.09.2019
(22) 21.07.2017
(54) METHOD AND SYSTEM FOR HIGH RESOLUTION TUNING OF THE PHASE FOR ACTIVE LOAD MODULATION IN A NFC SYSTEM
(73) NXP B.V.
(72) HUEBER, Gernot
MACNAMARA, Ian Thomas
(31) 201615225778
(32) 01.08.2016
(33) United States of America

(51) H04B 5/00
G06K 19/07
(11) EP3375103
(21) EP17701849.6
(47) 11.09.2019
(87) EP2017051412
17.08.2017
(22) 24.01.2017
(54) METHOD FOR MANAGING COMMUNICATION BETWEEN A CONTACTLESS READER AND A PORTABLE CONTACTLESS DEVICE
(73) Thales Dis France SA
(72) CARUANA, Jean-Paul
(31) 16305155
(32) 11.02.2016
(33) European Patent Office (EPO)

(51) H04B 5/00
H01F 27/42
H01F 38/14
H02J 50/10
H02J 50/90

(11) EP2987246
(21) EP13861583.6
(47) 11.09.2019
(87) US2013072898
19.06.2014
(22) 03.12.2013
(54) WIRELESS DATA TRANSMISSION VIA INDUCTIVE COUPLING USING DI/DT AS THE MAGNETIC MODULATION SCHEME WITHOUT HYSTERESIS
(73) Oceaneering International Inc.
(72) BOYLE, Greg
ROBERTSON, William
JOHNIGAN, Robert
(31) 201261736425 P
(32) 12.12.2012
(33) United States of America

(51) H04B 5/00
H01L 21/00
H04B 5/02
H02J 5/00
H02J 7/02
(11) EP2704333
(21) EP13004040.5
(47) 11.09.2019
(22) 13.08.2013
(54) Wireless power transfer - near field communication enabled communication device
(73) NXP USA, Inc.
(72) Smith, Aaron
(31) 201213595020
(32) 27.08.2012
(33) United States of America

(51) H04B 5/00
H02J 5/00
G06K 7/10
G06K 19/07
H02J 50/10
H02J 50/80
(11) EP3322101
(21) EP17202021.6
(47) 11.09.2019
(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 5/02
(11) EP2786505
(21) EP12799356.6
(47) 11.09.2019
(87) US2012062747
06.06.2013
(22) 31.10.2012
(54) REDUCING POWER CONSUMPTION FOR CONNECTION ESTABLISHMENT IN NEAR FIELD COMMUNICATION SYSTEMS
(73) Qualcomm Incorporated
(72) HAVERINEN, Anssi Kaleva
(31) 201161564238 P
201213664342
(32) 28.11.2011
30.10.2012
(33) United States of America
United States of America

(51) H04B 7/00
H04B 7/06
H04B 7/04
(11) EP3306827
(21) EP17187683.2
(47) 11.09.2019
(22) 15.04.2013
(54) METHOD FOR REPORTING CHANNEL STATE INFORMATION, USER EQUIPMENT, AND BASE STATION
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) WANG, Jianguo
ZHOU, Yongxing
LIU, Jianghua

(51) H04B 7/00
H04W 4/00
H04W 12/10
(11) EP2466759
(21) EP10814901.4
(47) 11.09.2019
(87) CN2010071401
17.03.2011
(22) 30.03.2010
(54) METHOD AND SYSTEM FOR CHANGING A SELECTED HOME OPERATOR OF A MACHINE TO MACHINE EQUIPMENT
(73) ZTE Corporation
(72) YU, Wantao
(31) 200910173202
(32) 14.09.2009
(33) China

(51) H04B 7/02
H04B 7/04
H04B 7/06
(11) EP2374221
(21) EP10726796.5
(47) 11.09.2019
(87) IB2010050014
08.07.2010
(22) 05.01.2010
(54) PRECODING CODEBOOKS FOR MIMO COMMUNICATION SYSTEMS
(73) Marvell World Trade Ltd.
(72) MELZER, Ezer
LI, Yu-Ngok
ERELL, Adoram
YELLIN, Daniel
(31) 142507 P
(32) 05.01.2009
(33) United States of America

(51) H04B 7/02
H04B 7/06
H04W 16/28
H04W 40/06
H04W 40/24
H04W 84/18
H04W 88/02
H04W 88/04
H04L 12/717
H04W 72/04
H04W 88/08
H04B 7/0408
H04W 92/14
H04W 52/32
H04B 7/026
(11) EP2426868
(21) EP11191709.2
(47) 11.09.2019
(22) 07.06.2005
(54) Method and system for utilizing smart antennas in establishing a backhaul network
(73) InterDigital Technology Corporation
(72) Ozluturk, Fatih
(31) 578677 P
617720 P
15557
(32) 10.06.2004
12.10.2004
17.12.2004
(33) United States of America
United States of America
United States of America

(51) H04B 7/04
(11) EP2988430
(21) EP13883972.5
(47) 11.09.2019
(87) CN2013075486
13.11.2014
(22) 10.05.2013
(54) METHOD FOR DETERMINING PRECODING MATRIX INDICATOR, USER EQUIPMENT AND BASE STATION
(73) Huawei Technologies Co., Ltd.
(72) WANG, Jianguo
ZHOU, Yongxing
WU, Yong
XIA, Liang

(51) H04B 7/04
H04B 7/06
H04B 7/08
H04B 7/0408
H04B 7/0413
(11) EP3182610
(21) EP14904007.3
(47) 11.09.2019
(87) CN2014088819
21.04.2016
(22) 17.10.2014
(54) WIRELESS COMMUNICATION METHOD AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) WEN, Rong
HE, Jia
HUANG, Huang

(51) H04B 7/04
H04B 7/06
H04B 7/08
H04W 52/14
H04W 52/48
H04W 72/04
(11) EP3317977
(21) EP16827163.3
(47) 11.09.2019
(87) CN2016088915
26.01.2017
(22) 06.07.2016
(54) BEAM DETECTION AND TRACKING IN WIRELESS NETWORKS
(73) Huawei Technologies Co., Ltd.
(72) LIU, Bin

STIRLING-GALLACHER, Richard
(31) 201514807613
(32) 23.07.2015
(33) United States of America

(51) H04B 7/04
H04B 7/06
H04L 1/00
H04L 5/00
(11) EP3046270
(21) EP16159105.2
(47) 11.09.2019
(22) 28.07.2011
(54) FEEDBACK SCHEME FOR MU-MIMO
(73) Intel Corporation
(72) LI, Qinghua
NIU, Huaning
LI, Honggang
(31) 845515
(32) 28.07.2010
(33) United States of America

(51) H04B 7/04
H04B 7/06
H04L 27/26
(11) EP2569872
(21) EP11723578.8
(47) 11.09.2019
(87) FR2011051027
17.11.2011
(22) 06.05.2011
(54) METHOD FOR SENDING AND RECEIVING A MULTICARRIER SIGNAL, CORRESPONDING TRANSMITTER, RECEIVER, SIGNAL, AND COMPUTER PROGRAM
(73) Orange
(72) CARIOU, Laurent
DIALLO, Moussa
(31) 1053695
(32) 11.05.2010
(33) France

(51) H04B 7/04
H04B 7/26
H04W 24/10
H04L 1/00
H04L 1/06
H04W 72/04
(11) EP2643935
(21) EP11822859.2
(47) 11.09.2019
(87) KR2011008993
31.05.2012
(22) 23.11.2011
(54) METHOD FOR REPORTING CHANNEL INFORMATION BASED ON LINK ADAPTATION IN WIRELESS LOCAL AREA NETWORK AND THE APPARATUS FOR THE SAME
(73) LG Electronics Inc.
(72) SOHN, Ill Soo
SEOK, Yong Ho
SONG, Kyoung Young
LEE, Dae Won
KANG, Byeong Woo
(31) 417284 P
(32) 26.11.2010
(33) United States of America

(51) H04B 7/04
H04L 25/03
H04B 7/06
H04L 1/00
H04L 25/02
(11) EP3284184
(21) EP15718835.0
(47) 11.09.2019
(87) EP2015058197
20.10.2016
(22) 15.04.2015
(54) MULTI-STREAM FASTER-THAN-NYQUIST TRANSMISSION USING BANDWIDTH PARTITIONING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) GATTAMI, Ather

(51) H04B 7/0413
H04B 7/0456
H04B 7/06
(11) EP2638642
(21) EP11808928.3
(47) 11.09.2019
(87) IB2011054961
18.05.2012
(22) 07.11.2011
(54) METHODS AND SYSTEMS FOR PRECODER SELECTION ASSISTED BY DEMODULATION REFERENCE SIGNALS (DM-RS)
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) PARK, Chester
BEHRAVAN, Ali
KOORAPATY, Havish
(31) 201113193041
412830 P
(32) 28.07.2011
12.11.2010
(33) United States of America
United States of America

(51) H04B 7/06
(11) EP2790332
(21) EP14163859.3
(47) 11.09.2019
(22) 08.04.2014
(54) Communication station with elevation beamforming and related communication device
(73) Acer Incorporated
(72) Kuo, Ping-Heng
(31) 201361809434 P
(32) 08.04.2013
(33) United States of America

(51) H04B 7/06
(11) EP3157177
(21) EP16196029.9
(47) 11.09.2019
(22) 02.11.2010
(54) METHOD AND APPARATUS FOR HIERARCHICAL CODEBOOK DESIGN IN WIRELESS COMMUNICATION
(73) QUALCOMM Incorporated
(72) GOROKHOV, Alexei Yurievitch
FARAJIDANA, Amir
MONTOJO, Juan
(31) 257420 P
917420
(32) 02.11.2009
01.11.2010
(33) United States of America
United States of America

(51) H04B 7/06
H04B 7/08
H04B 7/185
(11) EP3148096
(21) EP16189881.2
(47) 11.09.2019
(22) 21.09.2016
(54) AIRCRAFT WITH MULTIPLE ANTENNA UNITS
(73) Airbus Defence and Space GmbH
(72) RIETH, Dominik
ZIEGLER, Volker
HELLER, Christoph
(31) 102015218299
(32) 23.09.2015
(33) Germany

(51) H04B 7/06
H04W 24/10
H04B 7/0456
H04B 7/04
(11) EP3280070
(21) EP16771171.2
(47) 11.09.2019
(87) CN2016073363
06.10.2016
(22) 03.02.2016
(54) CHANNEL STATE INFORMATION ACQUISITION AND FEEDBACK METHOD AND DEVICE
(73) China Academy of Telecommunications Technology
(72) LI, Hui
GAO, Qiubin
CHEN, Runhua
RAKESH, Tamrakar
CHEN, Wenhong
(31) 201510149954
(32) 31.03.2015
(33) China

(51) H04B 7/155
H04B 1/00
(11) EP3226439
(21) EP15863784.3
(47) 11.09.2019
(87) KR2015011298
02.06.2016
(22) 26.10.2015
(54) COMBINER FOR USE IN MULTI-BAND BASE STATION SYSTEM AND METHOD FOR CONTROLLING COMBINER
(73) KMW Inc.
(72) KIM, Jong-han
LEE, Kang-ryoung
JUNG, Ji-myung
(31) 20140165640
(32) 25.11.2014
(33) Korea (Republic)

(51) H04B 7/185
(11) EP3269052
(21) EP16706159.7
(47) 11.09.2019
(87) EP2016053277
15.09.2016
(22) 16.02.2016
(54) RADIO TRANSMISSION BETWEEN AN AIRCRAFT AND ITS SURROUNDINGS THROUGH THE WINDOWS OF THE AIRCRAFT.

(73) Lufthansa Systems GmbH & Co. KG
(72) LIEBE, Jörg
HOMMEL, Peter
(31) 102015204463
(32) 12.03.2015
(33) Germany

(51) H04B 7/185
(11) EP3373477
(21) EP18154308.3
(47) 11.09.2019
(22) 30.01.2018
(54) VIRTUAL TRANSPONDER
(73) The Boeing Company
(72) MILLER, Kristina
WINIG, Robert J.
ANDEN, Eric
THOMAS, Dimitri D.
(31) 201715451242
(32) 06.03.2017
(33) United States of America

(51) H04B 7/185
H04B 7/212
(11) EP3304769
(21) EP16732369.0
(47) 11.09.2019
(87) US2016034174
08.12.2016
(22) 25.05.2016
(54) HALF-DUPLEX COMMUNICATIONS FOR A VERY SMALL APERTURE TERMINAL (VSAT) OPERATING ON A CONTINUOUS STREAM
(73) Hughes Network Systems, LLC
(72) SUBRAMANIAM, Bala
BUTEHORN, Matt
(31) 201562168866 P
(32) 31.05.2015
(33) United States of America

(51) H04B 7/195
H04B 7/185
(11) EP3340490
(21) EP17202873.0
(47) 11.09.2019
(22) 21.11.2017
(54) ROUTING IN A NETWORK CONSTITUTED BY SATELLITES LINKED BY TWO SETS OF RINGS IN TWO DIFFERENT GEOGRAPHICAL ORIENTATIONS, EACH RING BEING COMPOSED OF TWO RINGLETS TRANSMITTING IN OPPOSITE DIRECTIONS.
(73) Space Systems/Loral, LLC
(72) FANG, Jun
(31) 201615388269
(32) 22.12.2016
(33) United States of America

(51) H04B 10/116
(11) EP3208953
(21) EP17150252.9
(47) 11.09.2019
(22) 04.01.2017
(54) ARRANGEMENT FOR WIRELESS DATA TRANSFER IN A HOUSE OR BUILDING INSTALLATION SYSTEM
(73) ABB Schweiz AG
(72) Gülfirat, Tuncay
John, Dirk
Cathomen, Retus
Lehnert, Christian
(31) 102016102858
(32) 18.02.2016
(33) Germany

(51) H04B 10/116
H04B 10/60
(11) EP3029856
(21) EP14831500.5
(47) 11.09.2019
(87) CN2014082954
05.02.2015
(22) 24.07.2014
(54) METHOD AND APPARATUS FOR RECEIVING VISIBLE LIGHT SIGNAL
(73) Kuang-Chi Intelligent Photonic Technology Ltd.
(72) LIU, Ruopeng
FAN, Linyong
LI, Chunlai
(31) 201310330068
201310544341
(32) 31.07.2013
05.11.2013
(33) China
China

(51) H04B 10/2507
H04B 10/516
H04B 10/69
(11) EP3217573
(21) EP16159449.4
(47) 11.09.2019
(22) 09.03.2016
(54) METHOD AND TRANSMITTER DEVICE FOR CREATING AN OPTICAL TRANSMIT SIGNAL
(73) ADVA Optical Networking SE
(72) Eiselt, Michael
Dochhan, Annika

(51) H04B 10/2513
H04B 10/61
(11) EP3195498
(21) EP15847763.8
(47) 11.09.2019
(87) CN2015078970
07.04.2016
(22) 14.05.2015
(54) OPTICAL RECEIVER WITH OPTICAL TRANSMITTER-SPECIFIC DISPERSION POST-COMPENSATION
(73) Huawei Technologies Co. Ltd.
(72) LIU, Xiang
EFFENBERGER, Frank
(31) 201414503569
(32) 01.10.2014
(33) United States of America

(51) H04B 10/2575
H04B 10/60
(11) EP3289704
(21) EP15720958.6
(47) 11.09.2019
(87) EP2015059574
03.11.2016
(22) 30.04.2015
(54) OPTICAL RECEIVER AND METHOD OF RECEIVING AN OPTICAL COMMUNICATIONS SIGNAL
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) PONZINI, Filippo
DORTSCHY, Boris
URBAN, Patryk
GIORGI, Luca

(51) H04B 10/2575
H05K 5/00
H05K 7/14
H04B 1/52
H04W 88/08
H01Q 21/00
H04B 1/525
H01P 1/213
(11) EP3025443
(21) EP14786711.3
(47) 11.09.2019
(87) IB2014001957
29.01.2015
(22) 24.07.2014
(54) MODULAR DESIGN OF A HIGH POWER, LOW PASSIVE INTERMODULATION, ACTIVE UNIVERSAL DISTRIBUTED ANTENNA SYSTEM INTERFACE TRAY
(73) Intel Corporation
(72) FAMILI, Nader
SUBEDI, Purna
BUCH, Yatin
COOK, Jason
ZHU, Changru
SIDERIS, George
BALUE, Robert
(31) 201361858547 P
(32) 25.07.2013
(33) United States of America

(51) H04B 10/291
H01S 3/30
H01S 3/02
H04B 10/294
(11) EP2974082
(21) EP14719345.2
(47) 11.09.2019
(87) GB2014050742
18.09.2014
(22) 12.03.2014
(54) TILT CONTROL THROUGH OPTICAL PUMP POWER ADJUSTMENT
(73) Neptune Subsea IP Limited
(72) PELOUCH, Wayne S.
CHANG, Do-Il
WEBB, Stephen Michael
(31) 201361780549 P
201414200863
(32) 13.03.2013
07.03.2014
(33) United States of America
United States of America

(51) H04B 15/02
H04B 15/04
H04B 1/04
(11) EP2819328
(21) EP14174059.7
(47) 11.09.2019
(22) 26.06.2014
(54) Hearing aid compatible mobile electronic device
(73) Samsung Electronics Co., Ltd
(72) Kim, Youngjong
Cho, Byungseol
Cho, Jaehyung

Kwon, Youngjae
Jang, Jaeyoung
(31) 20130074763
(32) 27.06.2013
(33) Korea (Republic)

(51) H04B 17/00
H04B 7/04
H04B 7/0413
H04B 7/06
H04L 25/02
H04B 17/336
H04B 7/0417
H04B 7/0452
H04B 17/391
(11) EP3053285
(21) EP14850849.2
(47) 11.09.2019
(87) US2014058601
09.04.2015
(22) 01.10.2014
(54) SYSTEM FOR BEAMFORMING MEASUREMENTS
(73) Keysight Technologies Singapore (Sales) Pte. Ltd.
(72) WICKER, David, Jennings
STOTT, Lester, Noel
MARKER, Jeffrey, Dean
REKOW, Alexander, David
ALEXANDER, Thomas
(31) 201314043799
(32) 01.10.2013
(33) United States of America

(51) H04B 17/24
H04B 17/345
H04B 7/06
H04W 16/14
H04W 24/08
(11) EP3169005
(21) EP15818317.8
(47) 11.09.2019
(87) KR2015007236
14.01.2016
(22) 13.07.2015
(54) METHOD FOR REPORTING CHANNEL STATE INFORMATION ON UNLICENSED BAND IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS FOR SAME
(73) LG Electronics Inc.
(72) SEO, Hanbyul
YI, Yunjung
(31) 201462023194 P
(32) 11.07.2014
(33) United States of America

(51) H04B 17/318
(11) EP3280065
(21) EP17183142.3
(47) 11.09.2019
(22) 25.07.2017
(54) METHOD AND SYSTEM TO CALIBRATE PHASE SUPPORTED BY FACTORY TRIM DATA
(73) NXP B.V.
(72) HUEBER, Gernot
MACNAMARA, Ian Thomas
(31) 201615225782
(32) 01.08.2016
(33) United States of America

(51) H04J 3/06
(11) EP2813016
(21) EP13720544.9
(47) 11.09.2019
(87) IB2013000633
15.08.2013
(22) 08.02.2013
(54) CLOCK SYNCHRONIZATION USING MULTIPLE NETWORK PATHS
(73) Marvell Israel (M.I.S.L) LTD.
(72) MIZRAHI, Tal
SHPINER, Alexander
(31) 201261597092 P
201261644722 P
201261647123 P
201261695371 P
201261695367 P
201261706526 P
(32) 09.02.2012
09.05.2012
15.05.2012
31.08.2012
31.08.2012
27.09.2012
(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) H04J 3/06
H04L 12/28
(11) EP2715956
(21) EP12725989.3
(47) 11.09.2019
(87) US2012039504
06.12.2012
(22) 25.05.2012
(54) PRECISION TIMING IN A DATA OVER CABLE SERVICE INTERFACE SPECIFICATION (DOCSIS) SYSTEM
(73) Cisco Technology, Inc.
(72) CHAPMAN, John, T.
CHOPRA, Rakesh
MONTINI, Laurent
OVERCASH, Michael
(31) 201161490680 P
(32) 27.05.2011
(33) United States of America

(51) H04J 11/00
H04B 7/26
H04L 5/00
H04W 24/02
H04W 48/16
H04W 52/02
H04W 76/28
H04W 88/02
(11) EP3313010
(21) EP17206172.3
(47) 11.09.2019
(22) 24.01.2014
(54) METHOD AND APPARATUS FOR PERFORMING INITIAL ACCESS PROCEDURE IN WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) YI, Yunjung
HWANG, Daesung
AHN, Joonkui
(31) 201361756473 P
201361815240 P
201361821692 P
201361878628 P
(32) 25.01.2013
23.04.2013
09.05.2013
17.09.2013
(33) United States of America
United States of America
United States of America
United States of America

(51) H04J 11/00
H04L 27/26
(11) EP2996271
(21) EP14794287.4
(47) 11.09.2019
(87) KR2014004049
13.11.2014
(22) 07.05.2014
(54) METHOD AND DEVICE FOR TRANSMITTING DATA UNIT
(73) LG Electronics Inc.
(72) CHOI, Jinsoo
LEE, Wook Bong
CHO, Han Gyu
LIM, Dong Guk
CHUN, Jin Young
(31) 201361820185 P
(32) 07.05.2013
(33) United States of America

(51) H04J 11/00
H04L 27/26
H04L 25/03
(11) EP2654226
(21) EP13176960.6
(47) 11.09.2019
(22) 23.07.2009
(54) Spectral shaping of multicarrier signals
(73) Huawei Technologies Co., Ltd.
(72) van de Beek, Jaap

(51) H04J 11/00
H04L 29/06
H04W 52/02
H04W 76/14
H04W 76/28
H04W 4/70
H04L 29/08
H04W 68/00
H04L 12/14
H04N 7/14
H04W 8/22
H04W 24/06
H04W 48/18
H04W 52/08
H04L 5/00
(11) EP2989842
(21) EP14788741.8
(47) 11.09.2019
(87) US2014033965
30.10.2014
(22) 14.04.2014
(54) ENODEB, USER EQUIPMENT AND METHOD FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES
(73) Intel IP Corporation

(72) GUPTA, Maruti
KOC, Ali Taha
VANNITHAMBY, Rath
JHA, Satish Chandra
(31) 201361816662 P
201314132974
(32) 26.04.2013
18.12.2013
(33) United States of America
United States of America

(51) H04J 14/02
H04B 10/032
H04B 10/038
(11) EP3179649
(21) EP15198225.3
(47) 11.09.2019
(22) 07.12.2015
(54) METHOD AND SYSTEM FOR EFFECTIVE DATA TRANSMISSION IN AN OPTICAL TELECOMMUNICATION NETWORK IN WAVELENGTH MULTIPLEX OPERATION
(73) Deutsche Telekom AG
(72) Gunkel, Matthias
Krannig, Simon

(51) H04J 14/04
G02B 6/14
H04B 10/2581
G02B 6/38
G02B 6/12
G02B 6/124
G02B 6/126
G02B 6/13
(11) EP3208960
(21) EP14905486.8
(47) 11.09.2019
(87) CN2014090614
12.05.2016
(22) 07.11.2014
(54) MODE CONVERTER
(73) Huawei Technologies Co., Ltd.
(72) ZHAO, Fei
TU, Xin

(51) H04K 3/00
(11) EP2301179
(21) EP09777155.4
(47) 11.09.2019
(87) EP2009005080
21.01.2010
(22) 13.07.2009
(54) JAMMING APPARATUS AND METHOD FOR JAMMING A TARGET SIGNAL
(73) Industrieanlagen-Betriebsgesellschaft mbH
(72) TIETZ, Marko
(31) 102008033001
102008038315
(32) 14.07.2008
19.08.2008
(33) Germany
Germany

(51) H04L 1/00
H03M 13/29
(11) EP2901595
(21) EP13783493.3
(47) 11.09.2019
(87) EP2013069871
03.04.2014
(22) 24.09.2013
(54) METHOD AND SYSTEM FOR GENERATING CHANNEL CODES, IN PARTICULAR FOR A FRAME-HEADER
(73) Politecnico Di Torino
(72) MONTORSI, Guido
KAYHAN, Farbod
(31) TO20120829
(32) 25.09.2012
(33) Italy

(51) H04L 1/00
H04L 1/18
H04L 12/26
H03M 13/00
H03M 13/13
(11) EP3113400
(21) EP14886655.1
(47) 11.09.2019
(87) CN2014073893
24.09.2015
(22) 21.03.2014
(54) POLAR CODE RETRANSMISSION METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) SHEN, Hui
LI, Bin

(51) H04L 1/00
H04L 5/00
(11) EP3253062
(21) EP15880240.5
(47) 11.09.2019
(87) KR2015007128
04.08.2016
(22) 09.07.2015
(54) BROADCAST SIGNAL TRANSMITTING APPARATUS AND METHOD THEREOF
(73) LG Electronics Inc.
(72) BAEK, Jongseob
BACK, Seoyoung
KO, Woosuk
HONG, Sungryong
(31) 201562108065 P
201562134546 P
(32) 27.01.2015
17.03.2015
(33) United States of America
United States of America

(51) H04L 1/00
H04L 5/00
H04B 7/04
(11) EP2918095
(21) EP13853455.7
(47) 11.09.2019
(87) KR2013009419
15.05.2014
(22) 22.10.2013
(54) METHOD FOR FEEDING BACK CHANNEL STATE INFORMATION IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS THEREFOR
(73) LG Electronics Inc.
(72) KIM, Hyungtae
KIM, Byounghoon
KIM, Kijun
(31) 201261724382 P
201261726513 P
(32) 09.11.2012
14.11.2012
(33) United States of America
United States of America

(51) H04L 1/00
H04L 12/703
H03M 13/03
H04N 21/64
H04N 19/65
H04N 19/89
(11) EP2989763
(21) EP14787741.9
(47) 11.09.2019
(87) KR2014003562
30.10.2014
(22) 23.04.2014
(54) METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING PACKET IN A COMMUNICATION SYSTEM
(73) Samsung Electronics Co., Ltd
(72) HWANG, Sung-Hee
PARK, Kyung-Mo
YANG, Hyun-Koo
(31) 20130045082
20130127306
(32) 23.04.2013
24.10.2013
(33) Korea (Republic)
Korea (Republic)

(51) H04L 1/16
H04L 29/06
H04B 7/0413
(11) EP3203668
(21) EP15846594.8
(47) 11.09.2019
(87) KR2015010379
07.04.2016
(22) 01.10.2015
(54) DATA TRANSMISSION METHOD IN WIRELESS COMMUNICATION SYSTEM AND DEVICE THEREFOR
(73) LG Electronics Inc.
(72) CHUN, Jinyoung
RYU, Kiseon
KIM, Jeongki
CHOI, Jinsoo
CHO, Hangyu
(31) 201462058112 P
201562186334 P
201562194303 P
(32) 01.10.2014
29.06.2015
20.07.2015
(33) United States of America
United States of America
United States of America

(51) H04L 1/18
H04L 1/00
H04W 28/16
H04W 72/12
H04W 56/00
(11) EP3300550
(21) EP16813343.7
(47) 11.09.2019
(87) CN2016091532
01.02.2018
(22) 25.07.2016
(54) DETERMINATION OF FEEDBACK TIMING
(73) Telefonaktiebolaget LM Ericsson (PUBL)

(72) MIAO, Qingyu
LI, Shaohua
(51) H04L 5/00
(11) EP3381150
(21) EP16809614.7
(47) 11.09.2019
(87) US2016063510
01.06.2017
(22) 23.11.2016
(54) WIRELESS RESOURCE BLOCKS WITH INTEGRATED CONTROL AND DATA
(73) Qualcomm Incorporated
(72) ANG, Peter, Pui Lok
LUO, Tao
JI, Tingfang
JIANG, Jing
LIN, Jamie, Menjay
YANG, Yang
(31) 201562258968 P
201562267180 P
201615359541
(32) 23.11.2015
14.12.2015
22.11.2016
(33) United States of America
United States of America
United States of America

(51) H04L 5/00
H04L 1/18
H04L 1/00
(11) EP2327183
(21) EP09814159.1
(47) 11.09.2019
(87) IB2009006899
25.03.2010
(22) 19.09.2009
(54) CONFIGURATION OF MULTI-PERIODICITY SEMI-PERSISTENT SCHEDULING FOR TIME DIVISION DUPLEX OPERATION IN A PACKET-BASED WIRELESS COMMUNICATION SYSTEM
(73) Nokia Technologies Oy
(72) OJALA, Jussi
WANG, Hai Ming
MALKAMAKI, Esa
HAN, Jing
(31) 98504 P
(32) 19.09.2008
(33) United States of America

(51) H04L 5/00
H04L 5/14
H04B 17/354
(11) EP2979501
(21) EP14774854.5
(47) 11.09.2019
(87) KR2014002486
02.10.2014
(22) 25.03.2014
(54) METHOD AND CORRESPONDING USER EQUIPMENT FOR UPLINK SIGNAL TRANSMISSION WITH MINIMIZED SPURIOUS EMISSION
(73) LG Electronics Inc.
(72) LIM, Suhwan
LEE, Sangwook
HWANG, Jinyup
LEE, Dongik
JUNG, Manyoung
YANG, Yoonoh
NOH, Seungpyo
(31) 201361805508 P
201361884127 P
20140032054
(32) 26.03.2013
29.09.2013
19.03.2014
(33) United States of America
United States of America
Korea (Republic)

(51) H04L 5/00
H04L 5/14
H04W 72/04
H04L 1/18
(11) EP3131222
(21) EP14889165.8
(47) 11.09.2019
(87) CN2014075211
15.10.2015
(22) 11.04.2014
(54) METHOD AND DEVICE FOR CONTROLLING CHANNEL RESOURCE ALLOCATION
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) WANG, Yi
TANG, Zhenfei
LI, Zhongfeng

(51) H04L 5/00
H04L 27/26
(11) EP2356768
(21) EP09756794.5
(47) 11.09.2019
(87) IB2009007401
20.05.2010
(22) 10.11.2009
(54) SYMBOL LEVEL LAYER SHIFTING FOR MULTIPLE STREAM TRANSMISSION USING DFT-SPREAD OFDM
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) PARK, Chester
JÖNGREN, George
(31) 113944 P
(32) 12.11.2008
(33) United States of America

(51) H04L 5/00
H04L 27/26
(11) EP2706679
(21) EP12779945.0
(47) 11.09.2019
(87) KR2012002943
08.11.2012
(22) 18.04.2012
(54) METHOD FOR TERMINAL TO TRANSMIT/RECEIVE SIGNAL TO/FROM BASE STATION IN WIRELESS COMMUNICATION SYSTEM AND DEVICE THEREFOR
(73) LG Electronics Inc.
(72) SEO, Hanbyul
KIM, Hakseong
(31) 201161482177 P
201161482188 P
201161509548 P
201161556769 P
201261598309 P
(32) 03.05.2011
03.05.2011
19.07.2011
07.11.2011
13.02.2012
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) H04L 5/00
H04L 27/26
(11) EP2460306
(21) EP10747096.5
(47) 11.09.2019
(87) US2010044008
03.02.2011
(22) 30.07.2010
(54) DETERMINING CONTROL REGION PARAMETERS FOR MULTIPLE TRANSMISSION POINTS
(73) Qualcomm Incorporated
(72) LUO, Tao
MALLADI, Durga Prasad
MONTOJO, Juan
WEI, Yongbin
ZHANG, Xiaoxia
LIU, Ke
(31) 230063 P
843207
(32) 30.07.2009
26.07.2010
(33) United States of America
United States of America

(51) H04L 5/00
H04W 48/20
(11) EP3117550
(21) EP14885198.3
(47) 11.09.2019
(87) SE2014050316
17.09.2015
(22) 14.03.2014
(54) NETWORK NODE, RADIO NETWORK NODE, AND METHODS FOR SELECTING A SECOND SECONDARY CELL OF A WIRELESS DEVICE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) AXÉN, Rasmus
LJUNGSTRÖM, Tobias
AHLSTRÖM, Tobias

(51) H04L 7/00
H04J 3/06
(11) EP3217590
(21) EP15856695.0
(47) 11.09.2019
(87) CN2015092602
12.05.2016
(22) 23.10.2015
(54) IN-SYSTEM GLOBAL CLOCK PROVIDING METHOD AND DEVICE
(73) The Wuhan Digital Pet Co., Ltd
(72) FANG, Lei
ZHANG, Bo
(31) 201410610461
(32) 03.11.2014
(33) China

(51) H04L 9/00
(11) EP3432507
(21) EP17182389.1

(47) 11.09.2019
(22) 20.07.2017
(54) MONITORING OF A BLOCK CHAIN
(73) Siemens Aktiengesellschaft
(72) Falk, Rainer

(51) H04L 9/06
H04L 9/08
H04L 29/06
(11) EP2274867
(21) EP09728356.8
(47) 11.09.2019
(87) GB2009000793
08.10.2009
(22) 25.03.2009
(54) KEYS FOR PROTECTING USER ACCESS TO MEDIA
(73) British Telecommunications public limited company
(72) KHAN, Afnan, Ullah
DIMITRAKOS, Theo
(31) 0805830
(32) 31.03.2008
(33) United Kingdom

(51) H04L 9/08
H04L 9/32
G06F 21/10
G06F 21/12
G06F 21/70
G06F 21/73
G06F 7/00
(11) EP2686806
(21) EP11861100.3
(47) 11.09.2019
(87) CA2011050141
20.09.2012
(22) 15.03.2011
(54) CHANGE-TOLERANT METHOD OF GENERATING AN IDENTIFIER FOR A COLLECTION OF ASSETS IN A COMPUTING ENVIRONMENT USING A SECRET SHARING SCHEME
(73) Irdeto B.V.
(72) EISEN, Philip, Alan
WIENER, Michael, James
GOODES, Grant, Stewart
MUIR, James

(51) H04L 12/08
H04L 12/927
H04L 12/801
H04L 12/28
H04L 12/26
H04L 29/08
(11) EP2741448
(21) EP13163733.2
(47) 11.09.2019
(22) 15.04.2013
(54) METHOD FOR TRANSMITTING CONTENTS IN A SMART HOME ENVIRONMENT
(73) Korea Electronics Technology Institute
(72) Moon, Jae Won
Kim, Kyung Won
Lim, Tae Beom
Chung, Kwang Sue
Kim, Dong Chil
Yoon, Doo Yeol
(31) 20120142115
(32) 07.12.2012
(33) Korea (Republic)

(51) H04L 12/10
(11) EP3197091
(21) EP17150167.9
(47) 11.09.2019
(22) 24.07.2014
(54) POWER DISTRIBUTION SYSTEM
(73) Signify Holding B.V.
(72) THEUNISSEN, Bob Bernardus Anthonius
YSEBOODT, Lennart
VAN DER ZANDEN, Henricus Theodorus
WENDT, Matthias
(31) 13181853
(32) 27.08.2013
(33) European Patent Office (EPO)

(51) H04L 12/18
H04L 12/24
H04L 12/703
H04L 12/707
H04L 12/721
H04L 12/723
(11) EP3247072
(21) EP16181083.3
(47) 11.09.2019
(22) 25.07.2016
(54) EGRESS NODE PROTECTION FOR BROADCAST, UNKNOWN UNICAST, OR MULTICAST TRAFFIC IN EVPN TOPOLOGIES
(73) Juniper Networks, Inc.
(72) ARORA, Kapil
SINGH, Nitin
MALALI, Sunil Kumar
NAGARAJAN, Vikram
(31) 201615157058
(32) 17.05.2016
(33) United States of America

(51) H04L 12/18
H04L 12/58
H04L 29/08
H04L 29/06
(11) EP3065338
(21) EP14856938.7
(47) 11.09.2019
(87) CN2014089905
07.05.2015
(22) 30.10.2014
(54) CONTROL METHOD, APPARATUS, SERVER AND TERMINAL DEVICE OF TELEPRESENCE CONFERENCE
(73) Huawei Technologies Co., Ltd.
(72) LIU, Yan
YANG, Weiwei
(31) 201310530501
(32) 30.10.2013
(33) China

(51) H04L 12/24
(11) EP2965467
(21) EP13708412.5
(47) 11.09.2019
(87) EP2013054616
12.09.2014
(22) 07.03.2013
(54) A NETWORK ELEMENT FOR A TELECOMMUNICATIONS NETWORK HAVING DECOUPLED CONTROL AND DATA PLANES
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) CAVIGLIA, Diego
REBELLA, Paolo
CECCARELLI, Daniele

(51) H04L 12/24
G08B 29/18
(11) EP3206334
(21) EP14905282.1
(47) 11.09.2019
(87) CN2014090507
12.05.2016
(22) 06.11.2014
(54) INFORMATION SENDING METHOD, MANAGED SYSTEM, AND MANAGING SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) ZHU, Jian
ZHANG, Kai

(51) H04L 12/24
H04L 12/18
H04L 29/06
(11) EP3210341
(21) EP14824533.5
(47) 11.09.2019
(87) IB2014065483
28.04.2016
(22) 20.10.2014
(54) SYSTEM AND METHOD FOR ADJUSTING TRANSMISSION PARAMETERS OF MULTICAST CONTENT DATA
(73) Guangdong OPPO Mobile Telecommunications Corp., Ltd.
(72) CHEN, Xixian
LAI, Xiaoming
LI, Weigang

(51) H04L 12/24
H04L 12/18
H04L 29/12
H04L 12/46
H04L 12/64
(11) EP2693695
(21) EP12763632.2
(47) 11.09.2019
(87) JP2012056064
04.10.2012
(22) 09.03.2012
(54) CONNECTION SETTING INFORMATION ADMINISTRATION SYSTEM
(73) Yokogawa Electric Corporation
(72) ENDOU Masahito
(31) 2011071917
(32) 29.03.2011
(33) Japan

(51) H04L 12/24
H04L 12/26
(11) EP2597816
(21) EP12196139.5
(47) 11.09.2019
(22) 26.09.2008
(54) Network operating system for managing and securing networks
(73) Nicira Inc.
(72) Casado, Martin
Shenker, Scott
Amidon, Keith
Balland, Peter
Gude, Natasha
Pettit, Justin

Pfaff, Benjamin
Wendlandt, Daniel
(31) 995435 P
10985 P
(32) 26.09.2007
14.01.2008
(33) United States of America
United States of America

(51) H04L 12/24
H04L 12/26
H04L 29/08
(11) EP3039819
(21) EP14852000.0
(47) 11.09.2019
(87) CN2014088208
16.04.2015
(22) 09.10.2014
(54) COMMUNICATION APPARATUS AND RELAY PROTECTION APPARATUS
(73) Schneider Electric Industries SAS
(72) WANG, Shaogang
(31) 201310470443
(32) 10.10.2013
(33) China

(51) H04L 12/24
H04L 12/46
(11) EP3255833
(21) EP15881643.9
(47) 11.09.2019
(87) CN2015075796
18.08.2016
(22) 02.04.2015
(54) ALARM INFORMATION PROCESSING METHOD, RELEVANT DEVICE AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) WANG, Shanshan
ZHI, Bingli
ZHU, Jian
HAN, Wenyong
ZOU, Lan
(31) PCT/CN2015/072910
(32) 12.02.2015
(33) World Intellectual Property Office (WIPO)

(51) H04L 12/24
H04L 12/46
H04L 12/713
H04L 12/751
H04L 12/26
(11) EP3146676
(21) EP15730319.9
(47) 11.09.2019
(87) US2015032260
26.11.2015
(22) 22.05.2015
(54) TOUCHLESS ORCHESTRATION FOR LAYER 3 DATA CENTER INTERCONNECT IN COMMUNICATIONS NETWORKS
(73) Cisco Technology, Inc.
(72) SIKAND, Vrishabha
DONG, Liqin
VISHWARUPE, Sachin Vijay
(31) 201414286891
(32) 23.05.2014
(33) United States of America

(51) H04L 12/24
H04L 29/06
(11) EP3076595
(21) EP16152403.8
(47) 11.09.2019
(22) 22.07.2011
(54) METHOD AND DEVICE FOR MEASURING USER QUALITY OF EXPERIENCE QOE
(73) Huawei Technologies Co., Ltd.
(72) CHEN, Bing
XIE, Qingpeng
SUN, Lina
(31) 201110052138
(32) 04.03.2011
(33) China

(51) H04L 12/24
H04L 29/12
(11) EP3048756
(21) EP14785394.9
(47) 11.09.2019
(87) CN2014075603
23.10.2014
(22) 17.04.2014
(54) MANAGEMENT METHOD AND APPARATUS FOR DYNAMIC HOST CONFIGURATION PROTOCOL SERVER AND RELAY
(73) ZTE Corporation
(72) GU, Zhongyu
(31) 201310422891
(32) 16.09.2013
(33) China

(51) H04L 12/24
H04L 29/14
H04L 12/18
H04L 12/713
H04L 12/703
(11) EP2466795
(21) EP10818293.2
(47) 11.09.2019
(87) CN2010073126
31.03.2011
(22) 24.05.2010
(54) METHOD AND DEVICE FOR IMPLEMENTING SWITCHING IN NETWORK FAULT
(73) ZTE Corporation
(72) YUAN, Bo
FAN, Liang
SUN, Wei
(31) 200910190730
(32) 22.09.2009
(33) China

(51) H04L 12/28
(11) EP3171548
(21) EP16190312.5
(47) 11.09.2019
(22) 23.09.2016
(54) A METHOD AND APPARATUS FOR CONTROLLING A HOME DEVICE
(73) Xiaomi Inc.
(72) HOU, Enxing
CHEN, Hong
GAO, Ziguang
(31) 201510792114
(32) 17.11.2015
(33) China

(51) H04L 12/28
H04M 3/533
H04L 12/58
(11) EP2707995
(21) EP12783015.6
(47) 11.09.2019
(87) KR2012003647
15.11.2012
(22) 09.05.2012
(54) METHOD AND SYSTEM FOR MANAGING VOICE MAILS IN A UNIVERSAL PLUG AND PLAY NETWORK ENVIRONMENT
(73) Samsung Electronics Co., Ltd.
(72) PATIL, Mayuresh Madhukar
PATTAN, Basavaraj Jayawant
(31) 1608CH2011
(32) 09.05.2011
(33) India

(51) H04L 12/28
H04W 36/00
(11) EP2835937
(21) EP13804838.4
(47) 11.09.2019
(87) CN2013080003
19.12.2013
(22) 24.07.2013
(54) METHOD, UE AND ACCESS NETWORK DEVICE FOR IMPLEMENTING DATA TRANSMISSION OF CONVERGENCE NETWORK
(73) ZTE Corporation
(72) HE, Feng
(31) 201210257652
(32) 24.07.2012
(33) China

(51) H04L 12/40
H04L 29/08
G06F 13/42
H04L 29/06
(11) EP3375150
(21) EP16816020.8
(47) 11.09.2019
(87) US2016061909
18.05.2017
(22) 14.11.2016
(54) BROADCAST BUS FRAME FILTER
(73) Mercury Systems, Inc.
(72) SUTTON, Brian, M.
MILLER, Scott, D.
(31) 201562254490 P
(32) 12.11.2015
(33) United States of America

(51) H04L 12/403
H04W 72/04
H04W 72/12
H04W 84/18
(11) EP2901628
(21) EP13776647.3
(47) 11.09.2019
(87) US2013062130
03.04.2014
(22) 27.09.2013
(54) METHODS AND APPARATUS TO IMPLEMENT A REMOTE TERMINAL UNIT NETWORK
(73) Bristol, Inc., D/B/A Remote Automated Solutions
(72) VANDERAH, Richard, J.
SMID, David, Lee

CONDIT, Rickie, Lee
(31) 201213631357
(32) 28.09.2012
(33) United States of America

(51) H04L 12/46
(11) EP3044914
(21) EP14776955.8
(47) 11.09.2019
(87) US2014055283
19.03.2015
(22) 12.09.2014
(54) ENHANCED NETWORK VIRTUALIZATION USING METADATA IN ENCAPSULATION HEADER
(73) Microsoft Technology Licensing, LLC
(72) GARG, Pankaj
RITZ, Andrew J.
BENSLEY, Stephen E.
BALASUBRAMANIAN, Praveen
(31) 201314026759
(32) 13.09.2013
(33) United States of America

(51) H04L 12/46
H04L 12/24
H04L 12/707
H04L 12/703
(11) EP2521275
(21) EP10791464.0
(47) 11.09.2019
(87) CN2010073778
29.12.2010
(22) 10.06.2010
(54) METHOD AND DEVICE FOR TUNNEL PROTECTION
(73) ZTE Corporation
(72) AO, Ting
(31) 200910261855
(32) 31.12.2009
(33) China

(51) H04L 12/46
H04L 12/721
H04L 12/751
H04L 12/707
H04L 12/703
(11) EP3188415
(21) EP16204542.1
(47) 11.09.2019
(22) 15.12.2016
(54) STATIC ROUTE ADVERTISEMENT
(73) Juniper Networks, Inc.
(72) JACOB, Sudhin
NAIR, Deepesh Sudhakaran
KUMAR, Sushant
PAUL, Arijit
GUDIPATI, Prasantha Kumar
(31) 201514985103
(32) 30.12.2015
(33) United States of America

(51) H04L 12/46
H04L 29/14
(11) EP2502389
(21) EP10791009.3
(47) 11.09.2019
(87) US2010056834
19.05.2011
(22) 16.11.2010
(54) METHOD FOR THE PROVISION OF GATEWAY ANYCAST VIRTUAL MAC REACHABILITY IN EXTENDED SUBNETS
(73) Cisco Technology, Inc.
(72) MORENO, Victor M.
STARMER, Robert
SANE, Sanjay
(31) 619425
(32) 16.11.2009
(33) United States of America

(51) H04L 12/58
(11) EP2975805
(21) EP15176754.8
(47) 11.09.2019
(22) 15.07.2015
(54) GAME SYSTEM, TERMINAL DEVICE, COMPUTER PROGRAM AND INFORMATION DISPLAY METHOD
(73) NINTENDO CO., LTD.
Monolith Software Inc.
(72) Yokota, Genki
Kojima, Koh
(31) 2014147163
(32) 17.07.2014
(33) Japan

(51) H04L 12/58
G06F 15/173
H04L 29/12
H04L 29/08
G06F 15/16
G06F 15/177
G06F 15/167
G06Q 10/00
H04L 12/24
(11) EP2653979
(21) EP13177071.1
(47) 11.09.2019
(22) 13.02.2007
(54) SYSTEMS AND METHODS FOR MANAGING HOSTED SERVICES
(73) Google LLC
(72) Manolache, Doru, Costin
Kowitz, Braden
Parham, Derek
Hannon, Stephanie, Katherine
Yu, Jonathan
(31) 773062 P
773059 P
773060 P
(32) 13.02.2006
13.02.2006
13.02.2006
(33) United States of America
United States of America
United States of America

(51) H04L 12/64
(11) EP2728810
(21) EP12822913.5
(47) 11.09.2019
(87) CN2012079031
14.02.2013
(22) 23.07.2012
(54) INFORMATION TRANSMISSION METHOD, PACKET DATA GATEWAY, AND POLICY AND CHARGING RULES FUNCTION
(73) ZTE Corporation
(72) ZHOU, Xiaoyun
ZONG, Zaifeng
(31) 201110230087
(32) 11.08.2011
(33) China

(51) H04L 12/66
H04M 3/00
H04L 29/06
H04M 7/12
H04W 88/16
H04W 92/02
H04W 84/04
H04W 88/12
H04W 76/16
(11) EP2234352
(21) EP09701541.6
(47) 11.09.2019
(87) JP2009050431
23.07.2009
(22) 15.01.2009
(54) GATEWAY DEVICE, SYSTEM, AND COMMUNICATION METHOD
(73) Rakuten, Inc.
(72) OZAWA, Kazunori
(31) 2008006889
(32) 16.01.2008
(33) Japan

(51) H04L 12/70
G06F 13/40
G06F 13/42
G06F 9/455
H04L 12/24
(11) EP3306870
(21) EP15897402.2
(47) 11.09.2019
(87) CN2015083281
12.01.2017
(22) 03.07.2015
(54) NETWORK CONFIGURATION METHOD, NETWORK SYSTEM AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) WEN, Liufei
XU, Xiangyang

(51) H04L 12/70
H04L 29/12
H04L 12/28
(11) EP2498450
(21) EP10788685.5
(47) 11.09.2019
(87) CN2010071847
23.12.2010
(22) 16.04.2010
(54) BROADBAND NETWORK SYSTEM AND IMPLEMENTATION METHOD THEREOF
(73) ZTE Corporation
(72) GU, Zhongyu
HU, Fangwei
WEI, Yuehua
GAO, Lu
(31) 200910209649
(32) 03.11.2009
(33) China

(51) H04L 12/701
H04L 12/715
H04L 12/741
H04L 29/06
(11) EP2999173
(21) EP14812983.6
(47) 11.09.2019
(87) CN2014079836

24.12.2014
(22) 13.06.2014
(54) SERVICE ROUTING PACKET PROCESSING METHOD, DEVICE AND NETWORK SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) NIU, Lehong
(31) 201310247638
(32) 20.06.2013
(33) China

(51) H04L 12/721
H04L 12/707
H04L 12/715
H04L 12/803
(11) EP3306873
(21) EP15896774.5
(47) 11.09.2019
(87) CN2015082876
05.01.2017
(22) 30.06.2015
(54) ROUTING METHOD, AND RELEVANT DEVICE AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) HU, Shihai
MA, Peng
DANG, Bing

(51) H04L 12/725
H04L 29/08
H04L 12/721
H04L 12/715
(11) EP3021537
(21) EP14831652.4
(47) 11.09.2019
(87) CN2014081869
05.02.2015
(22) 09.07.2014
(54) METHOD, DEVICE AND SYSTEM FOR DETERMINING CONTENT ACQUISITION PATH AND PROCESSING REQUEST
(73) Huawei Technologies Co., Ltd.
(72) LIU, Shucheng
(31) 201310329105
(32) 31.07.2013
(33) China

(51) H04L 12/751
H04L 12/707
H04L 12/773
H04L 12/935
H04L 12/703
H04L 12/741
H04L 12/771
(11) EP2832062
(21) EP13715391.2
(47) 11.09.2019
(87) GB2013000143
03.10.2013
(22) 28.03.2013
(54) PACKET NETWORK ROUTING
(73) British Telecommunications public limited company
(72) WILLIS, Peter
(31) 12250083
(32) 30.03.2012
(33) European Patent Office (EPO)

(51) H04L 12/771
H04L 12/931
G06F 13/14
G06F 15/78
H04L 12/863
H04L 12/911
H04L 12/935
H04L 12/64
(11) EP3238390
(21) EP15873990.4
(47) 11.09.2019
(87) US2015062244
30.06.2016
(22) 24.11.2015
(54) COMBINED GUARANTEED THROUGHPUT AND BEST EFFORT NETWORK-ON-CHIP
(73) INTEL Corporation
(72) CHEN, Gregory K.
ANDERS, Mark A.
KAUL, Himanshu
KRISHNAMURTHY, Ram K.
STILLMAKER, Aaron T.
(31) 201414579303
(32) 22.12.2014
(33) United States of America

(51) H04L 12/801
H04L 12/823
(11) EP1972116
(21) EP07716496.0
(47) 11.09.2019
(87) US2007000641
26.07.2007
(22) 10.01.2007
(54) METHOD FOR CONTROLLING PACKET DELIVERY IN A PACKET SWITCHED NETWORK
(73) Alcatel Lucent
(72) MOONEY, Christopher, Francis
ZHANG, Qinqing
(31) 332761
(32) 13.01.2006
(33) United States of America

(51) H04L 12/841
H04L 12/823
H04L 12/801
(11) EP2887595
(21) EP14155751.2
(47) 11.09.2019
(22) 19.02.2014
(54) METHOD AND NODE FOR RETRANSMITTING DATA PACKETS IN A TCP CONNECTION
(73) Rohde & Schwarz GmbH & Co. KG
(72) Pfeifer, Hagen
(31) 13199390
(32) 23.12.2013
(33) European Patent Office (EPO)

(51) H04L 12/851
H04L 12/801
(11) EP3375151
(21) EP15805644.0
(47) 11.09.2019
(87) SE2015051185
18.05.2017
(22) 09.11.2015
(54) PACKET PROCESSING TECHNIQUE FOR A COMMUNICATION NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) VARGA, Balázs
FARKAS, János
RUFFINI, Stefano

(51) H04L 12/875
H04L 12/26
(11) EP3255841
(21) EP15892862.2
(47) 11.09.2019
(87) CN2015079716
01.12.2016
(22) 25.05.2015
(54) PACKET PROCESSING METHOD AND APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) CHEN, Cong
CHENG, Zhu

(51) H04L 12/951
H04L 12/58
H04L 29/08
H04L 1/00
H04W 28/02
H04W 36/00
H04W 52/02
H04W 72/04
H04W 74/04
H04W 84/12
H04L 29/06
H04W 80/06
H04W 40/30
(11) EP3075116
(21) EP14865094.8
(47) 11.09.2019
(87) US2014061780
04.06.2015
(22) 22.10.2014
(54) SYSTEMS, METHODS, AND DEVICES FOR CONTROLLING TRANSPORT OF RATELESSLY CODED MESSAGES
(73) Intel Corporation
(72) YU, Yifan
ZHANG, Xu
LI, Guangjie
LI, Xiang
(31) 201361909938 P
201414316929
(32) 27.11.2013
27.06.2014
(33) United States of America
United States of America

(51) H04L 25/03
(11) EP2550782
(21) EP11709491.2
(47) 11.09.2019
(87) IB2011050735
29.09.2011
(22) 23.02.2011
(54) MULTISTAGE GROUP DETECTION TECHNIQUES AND APPLICATION TO MIMO TURBO JOINT DEMODULATION AND DECODING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) GRANT, Stephen
BOTTOMLEY, Gregory E.
(31) 729414
(32) 23.03.2010
(33) United States of America

(51) H04L 25/03
H04B 17/14
H04B 17/21
H04L 25/02

(11) EP2509268
(21) EP12170962.0
(47) 11.09.2019
(22) 15.03.2005
(54) Calibration of transmit and receive chains in a mimo communication system
(73) Qualcomm Incorporated
(72) Inanoglu, Hakan
(31) 816999
(32) 02.04.2004
(33) United States of America

(51) H04L 27/00
H04L 27/26
(11) EP3412012
(21) EP17702399.1
(47) 11.09.2019
(87) EP2017052396
10.08.2017
(22) 03.02.2017
(54) METHOD FOR ESTIMATING PARAMETERS OF SIGNALS CONTAINED IN A FREQUENCY BAND
(73) ZODIAC DATA SYSTEMS
(72) GOULDIEFF, Vincent
DAUMONT, Steredenn
PALICOT, Jacques
THOMAS, Yann
(31) 1650945
(32) 05.02.2016
(33) France

(51) H04L 27/04
H04L 27/26
H04L 5/00
H04L 1/00
H04L 27/34
(11) EP3214783
(21) EP15854456.9
(47) 11.09.2019
(87) CN2015083474
06.05.2016
(22) 07.07.2015
(54) METHOD AND DEVICE FOR SUPERIMPOSITION AND DEMODULATION OF MULTIUSER INFORMATION TRANSMISSION
(73) ZTE Corporation
(72) YUAN, Zhifeng
DAI, Jianqiang
(31) 201410583848
(32) 27.10.2014
(33) China

(51) H04L 27/12
H04L 27/36
H03M 1/10
H03M 1/66
H04B 1/12
H04B 1/00
H04L 25/03
(11) EP3275145
(21) EP16701117.0
(47) 11.09.2019
(87) EP2016051023
27.07.2017
(22) 19.01.2016
(54) ERROR-COMPENSATED DIRECT DIGITAL MODULATION DEVICE
(73) Huawei Technologies Co., Ltd.
(72) PALMERS, Pieter
CHRISTOFFERS, Niels
VANDENAMEELE, Patrick
SAMSOM, Johannes
CORNELISSENS, Koen
VATTI, Sofia

(51) H04L 27/26
(11) EP2720426
(21) EP12187755.9
(47) 11.09.2019
(22) 09.10.2012
(54) Method and a device for correcting a frequency shift on received symbols
(73) Mitsubishi Electric Corporation
(72) Castelain, Damien

(51) H04L 27/26
H04L 5/00
H04W 72/04
H04W 88/04
(11) EP2943042
(21) EP13890161.6
(47) 11.09.2019
(87) CN2013080230
29.01.2015
(22) 26.07.2013
(54) METHOD AND DEVICE FOR TRANSMITTING SIGNALS BETWEEN USER EQUIPMENT
(73) Huawei Device Co., Ltd.
(72) WANG, Jian

(51) H04L 29/06
(11) EP3245774
(21) EP16703644.1
(47) 11.09.2019
(87) US2016012891
14.07.2016
(22) 11.01.2016
(54) HARDWARE TCP ACCELERATOR
(73) Hughes Network Systems, LLC
(72) LI, Frank
SCHMID, John
(31) 201514594096
(32) 10.01.2015
(33) United States of America

(51) H04L 29/06
(11) EP3466022
(21) EP17727057.6
(47) 11.09.2019
(87) US2017033521
30.11.2017
(22) 19.05.2017
(54) TECHNIQUES AND APPARATUSES FOR IMPROVED ROBUST HEADER COMPRESSION (ROHC) DECOMPRESSION
(73) QUALCOMM Incorporated
(72) AGRAWAL, Ambuj
BASITH, Abdul
(31) 201615167173
(32) 27.05.2016
(33) United States of America

(51) H04L 29/06
(11) EP3232639
(21) EP17165846.1
(47) 11.09.2019
(22) 10.04.2017
(54) SYSTEM AND METHOD FOR CONTEXT AWARE NETWORK FILTERING
(73) The Boeing Company
(72) BUSH, John E.
ARNOLD, Steven L.
AYYAGARI, Arun
(31) 201615095973
(32) 11.04.2016
(33) United States of America

(51) H04L 29/06
(11) EP3261318
(21) EP17186193.3
(47) 11.09.2019
(22) 30.03.2012
(54) METHOD FOR SHARING CONTENT USING TEMPORARY KEYS AND ELECTRONIC DEVICE USING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) JUNG, Jae-yoon
CHO, Jung-yon
HONG, Jin-woo
PARK, Si-hong
(31) 20110062510
(32) 27.06.2011
(33) Korea (Republic)

(51) H04L 29/06
(11) EP2218242
(21) EP08841394.3
(47) 11.09.2019
(87) US2008080769
30.04.2009
(22) 22.10.2008
(54) CONTENT DISPOSITION SYSTEM AND METHOD FOR PROCESSING MESSAGE CONTENT IN A DISTRIBUTED ENVIRONMENT
(73) BlackBerry Limited
(72) BAKKER, Jan, John-luc
BUCKLEY, Adrian
ALLEN, Andrew
(31) 983174 P
15003
(32) 27.10.2007
19.12.2007
(33) United States of America
United States of America

(51) H04L 29/06
G06F 9/455
(11) EP2832069
(21) EP13719932.9
(47) 11.09.2019
(87) FR2013050648
03.10.2013
(22) 26.03.2013
(54) SYSTEM FOR SUPERVISING THE SECURITY OF AN ARCHITECTURE
(73) Orange
(72) HE, Ruan
LACOSTE, Marc
WAILLY, Aurélien
(31) 1252876
(32) 29.03.2012
(33) France

(51) H04L 29/06
H04L 9/08
(11) EP2684332
(21) EP12708071.1
(47) 11.09.2019
(87) US2012026059

13.09.2012
(22) 22.02.2012
(54) IMPROVING SECURITY FOR REMOTE ACCESS VPN
(73) Cisco Technology, Inc.
(72) GLADSTONE, Philip John Steuart
MCGREW, David A.
(31) 201113043222
(32) 08.03.2011
(33) United States of America

(51) H04L 29/06
H04L 9/08
H04L 9/30
H04L 9/32
H04W 12/06
H04W 12/12
H04L 12/40
(11) EP3337119
(21) EP16203906.9
(47) 11.09.2019
(22) 13.12.2016
(54) UPDATING AND DISTRIBUTING SECRET KEYS IN A DISTRIBUTED NETWORK
(73) NXP B.V.
(72) WALRANT, Thierry G.C.

(51) H04L 29/06
H04L 9/32
G06F 9/54
G06F 12/14
G06F 21/64
(11) EP2965258
(21) EP14760367.4
(47) 11.09.2019
(87) US2014020411
12.09.2014
(22) 04.03.2014
(54) SYSTEMS AND METHODS FOR CLOUD DATA SECURITY
(73) DocuSign, Inc.
(72) FLEISCHMAN, Eric
WALD, Duane
PETERSON, Donald, G.
(31) 201361772397 P
(32) 04.03.2013
(33) United States of America

(51) H04L 29/06
H04L 9/32
H04W 12/06
H04W 12/08
(11) EP3261317
(21) EP17175052.4
(47) 11.09.2019
(22) 08.06.2017
(54) AUTHENTICATION SYSTEM, COMMUNICATION SYSTEM, AND AUTHENTICATION AND AUTHORIZATION METHOD
(73) Ricoh Company, Ltd.
(72) HORIUCHI, Takeshi
UMEHARA, Naoki
HINOHARA, Hiroshi
MIYAMOTO, Atsushi
SONEDA, Takuya
(31) 2016124755
(32) 23.06.2016
(33) Japan

(51) H04L 29/06
H04L 12/18
H04N 21/643
(11) EP2202974
(21) EP08841577.3
(47) 11.09.2019
(87) CN2008072666
30.04.2009
(22) 13.10.2008
(54) A METHOD, EQUIPMENT AND SYSTEM FOR STARTING A SERVICE OF THE NETWORK TELEVISION
(73) Huawei Device Co., Ltd.
(72) FAN, Yunsong
(31) 200710176122
(32) 19.10.2007
(33) China

(51) H04L 29/06
H04L 12/28
(11) EP2854367
(21) EP14186873.7
(47) 11.09.2019
(22) 29.09.2014
(54) Method for processing a request to deliver a stream of data, method for managing delivery resources, related devices and computer program
(73) Orange
(72) Mory, Emmanuel
Houze, Patrice
(31) 1359389
(32) 30.09.2013
(33) France

(51) H04L 29/06
H04L 12/823
(11) EP3208976
(21) EP15861601.1
(47) 11.09.2019
(87) JP2015082421
26.05.2016
(22) 18.11.2015
(54) CONTROL DEVICE, CONTROL METHOD AND CONTROL PROGRAM
(73) Nippon Telegraph and Telephone Corporation
(72) SUDO, Yuichi
HAMADA, Takahiro
UENO, Masami
IGARASHI, Yuminobu
KITAZUME, Hideo
HU, Bo
MURATA, Yuichi
(31) 2014234762
(32) 19.11.2014
(33) Japan

(51) H04L 29/06
H04L 29/08
(11) EP3328018
(21) EP16827106.2
(47) 11.09.2019
(87) CN2016083907
26.01.2017
(22) 30.05.2016
(54) PACKET SLICING METHOD AND APPARATUS, AND COMPUTER-READABLE MEDIUM
(73) Sanechips Technology Co., Ltd.
(72) SHEN, Yaming
(31) 201510425519
(32) 17.07.2015
(33) China

(51) H04L 29/06
H04L 29/08
G06F 21/62
H04N 21/24
H04N 21/442
G06Q 30/02
H04N 21/258
(11) EP2717544
(21) EP13187643.5
(47) 11.09.2019
(22) 08.10.2013
(54) METHODS FOR AUTHENTICATING CREDENTIALS FOR MOBILE PLATFORMS
(73) Comcast Cable Communications, LLC
(72) Mays, David
Press, Jason
(31) 201213647159
(32) 08.10.2012
(33) United States of America

(51) H04L 29/06
H04L 29/08
H04B 7/185
(11) EP3014853
(21) EP14817624.1
(47) 11.09.2019
(87) US2014044177
31.12.2014
(22) 25.06.2014
(54) TRANSPORT COMMUNICATION MANAGEMENT
(73) Fedex Corporation
(72) YERGER, Mark, D.
MCFANN, Ted
SLAVINSKY, Joseph, W.
KENDRICK, Joshua, Beckman
STRUMINGER, Scot, A.
(31) 201361839090 P
(32) 25.06.2013
(33) United States of America

(51) H04L 29/06
H04L 29/12
H04L 29/08
(11) EP2924941
(21) EP12890977.7
(47) 11.09.2019
(87) CN2012087581
03.07.2014
(22) 26.12.2012
(54) METHOD AND DEVICE FOR PREVENTING SERVICE ILLEGAL ACCESS
(73) Huawei Technologies Co., Ltd.
(72) GUO, Jiancheng
HU, Yusheng

(51) H04L 29/06
H04W 4/00
(11) EP3267647
(21) EP15884428.2
(47) 11.09.2019
(87) CN2015098262
15.09.2016
(22) 22.12.2015
(54) METHOD AND DEVICE FOR DATA TRANSMISSION

(73) China Academy of Telecommunications Technology
(72) CHEN, Li
(31) 201510100678
(32) 06.03.2015
(33) China

(51) H04L 29/06
H04W 12/02
H04W 12/06
(11) EP3119053
(21) EP15176834.8
(47) 11.09.2019
(22) 15.07.2015
(54) METHOD OF ESTABLISHING A DATA COMMUNICATION BETWEEN A MOBILE ENTITY AND THE INTERNET
(73) Vodafone GmbH
(72) KARAMPATSIS, Dimitrios
BINDRIM, Walter

(51) H04L 29/06
H04W 12/02
H04W 88/06
H04W 36/00
(11) EP2941936
(21) EP13870368.1
(47) 11.09.2019
(87) US2013064756
10.07.2014
(22) 14.10.2013
(54) APPARATUS, SYSTEM AND METHOD OF LAWFUL INTERCEPTION (LI) IN A CELLULAR NETWORK
(73) Intel Corporation
(72) SIROTKIN, Alexander
WU, Geng
LUFT, Achim
STOJANOVSKI, Alexandre S.
(31) 201361748706 P
(32) 03.01.2013
(33) United States of America

(51) H04L 29/06
H04W 12/10
H04W 92/10
(11) EP2232903
(21) EP08870567.8
(47) 11.09.2019
(87) SE2008051246
23.07.2009
(22) 03.11.2008
(54) INTEGRITY CHECK FAILURE DETECTION AND RECOVERY IN RADIO COMMUNICATIONS SYSTEM
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) THAKARE, Kiran
(31) 20958 P
225509
(32) 14.01.2008
21.10.2008
(33) United States of America
United States of America

(51) H04L 29/06
H04W 28/02
H04W 76/15
(11) EP2978182
(21) EP15178347.9
(47) 11.09.2019
(22) 24.07.2015
(54) MULTIPATH DATA STREAMING OVER MULTIPLE WIRELESS NETWORKS
(73) Dejero Labs Inc.
(72) Frusina, Bogdan
Horvath, Akos
Gilhuly, Barry
Smith, Cameron Kenneth
Mallet, Joseph Robert Wayne
Flatt, Robert
Sze, David
(31) 201414341057
(32) 25.07.2014
(33) United States of America

(51) H04L 29/08
(11) EP3304861
(21) EP15732547.3
(47) 11.09.2019
(87) EP2015061826
01.12.2016
(22) 28.05.2015
(54) INTERACTIVE METHOD AND SYSTEM FOR FILE TRANSFER
(73) Deutsche Telekom AG
(72) HUI, Pan
ZHANG, Wenxiao
LI, Weikai
PEYLO, Christoph

(51) H04L 29/08
(11) EP3220608
(21) EP16160592.8
(47) 11.09.2019
(22) 16.03.2016
(54) RETRIEVAL OF INDUSTRIAL DEVICE DATA IN A COMMUNICATIONS SYSTEM
(73) ABB Schweiz AG
(72) Särkimäki, Ville
Tanila, Teemu
Suomela, Kalle
Alkkiomäki, Olli

(51) H04L 29/08
G06F 3/0488
G06F 3/0481
H04L 12/18
H04M 1/725
H04L 12/58
(11) EP3337146
(21) EP17206536.9
(47) 11.09.2019
(22) 11.12.2017
(54) METHOD AND APPARATUS FOR DISPLAYING NOTIFICATION MESSAGE
(73) Beijing Xiaomi Mobile Software Co., Ltd.
(72) ZHU, Ruixian
LI, Minghao
WANG, Shuo
(31) 201611151056
(32) 14.12.2016
(33) China

(51) H04L 29/08
G06F 21/32
(11) EP3288238
(21) EP15889584.7
(47) 11.09.2019
(87) CN2015079745
27.10.2016
(22) 25.05.2015
(54) TERMINAL ALARM METHOD AND APPARATUS
(73) ZTE Corporation
(72) YAN, Haiqing
XUE, Tao
(31) 201510197959
(32) 23.04.2015
(33) China

(51) H04L 29/08
G06F 21/62
G06F 15/00
H04M 11/00
G06F 9/445
(11) EP2863318
(21) EP13804887.1
(47) 11.09.2019
(87) JP2013063552
19.12.2013
(22) 15.05.2013
(54) SERVICE PROVISION SYSTEM, SERVICE COMPUTER, AND TERMINAL
(73) Clarion Co., Ltd.
(72) SHIMIZU, Atsushi
NAGAI, Yasushi
MATSUMOTO, Takashi
ENDO, Hiroyoshi
OSAFUNE, Tatsuaki
SAWAJIRI, Haruhiko
(31) 2012133945
(32) 13.06.2012
(33) Japan

(51) H04L 29/08
H04L 12/28
H04L 29/06
(11) EP2750359
(21) EP13191812.0
(47) 11.09.2019
(22) 06.11.2013
(54) Method and apparatus for providing cloud service, and system having the same
(73) Humax Co., Ltd.
(72) Kim, Tae Gap
(31) 20120156463
(32) 28.12.2012
(33) Korea (Republic)

(51) H04L 29/08
H04L 12/54
(11) EP2839626
(21) EP13706362.4
(47) 11.09.2019
(87) US2013025409
24.10.2013
(22) 08.02.2013
(54) SYSTEMS AND METHODS FOR APPLICATION-AWARE ADMISSION CONTROL IN A COMMUNICATION NETWORK
(73) Taiwan Semiconductor Manufacturing Company, Ltd.
(72) STANWOOD, Kenneth, L.
GELL, David
RODDY, Warren
BAO, Yiliang
XU, Haibo
(31) 201261625459 P
201261640984 P
201313761645
(32) 17.04.2012

01.05.2012
07.02.2013
(33) United States of America
United States of America
United States of America

(51) H04L 29/08
H04L 12/741
H04L 12/721
H04L 12/781
H04L 12/715
H04L 12/717
H04L 12/723
(11) EP3032801
(21) EP14833660.5
(47) 11.09.2019
(87) CN2014081819
12.02.2015
(22) 08.07.2014
(54) METHOD AND DEVICE FOR GENERATING FORWARDING INFORMATION
(73) Huawei Technologies Co., Ltd.
(72) LIU, Shucheng
HUANG, Yong
REN, Jing
(31) 201310344560
(32) 08.08.2013
(33) China

(51) H04L 29/08
H04L 29/06
(11) EP2919443
(21) EP15158928.0
(47) 11.09.2019
(22) 13.03.2015
(54) METHODS FOR MANAGED FILE TRANSFER
(73) OPEN TEXT SA ULC
(72) Carroll, Jonathan
(31) 201461952809 P
(32) 13.03.2014
(33) United States of America

(51) H04L 29/08
H04L 29/06
(11) EP3254446
(21) EP16746951.9
(47) 11.09.2019
(87) US2016014011
11.08.2016
(22) 20.01.2016
(54) INTEROPERABILITY OF DISCOVERY AND CONNECTION PROTOCOLS BETWEEN CLIENT DEVICES AND FIRST SCREEN DEVICES
(73) Google LLC
(72) JOHNSEN, Stein Eldar
TABORISKIY, Alexander
(31) 201514613229
(32) 03.02.2015
(33) United States of America

(51) H04L 29/08
H04L 29/06
G06F 21/00
G06F 3/048
(11) EP3190774
(21) EP14906904.9
(47) 11.09.2019
(87) CN2014092192
02.06.2016
(22) 25.11.2014
(54) INTERFACE SHARING METHOD AND TERMINAL DEVICE
(73) Huawei Technologies Co., Ltd.
(72) SHAN, Zhenwei
FAN, Cunzhi

(51) H04L 29/08
H04L 29/06
G10L 15/26
H04N 21/4722
H04N 21/422
(11) EP3253029
(21) EP16743629.4
(47) 11.09.2019
(87) KR2016000555
04.08.2016
(22) 19.01.2016
(54) SINK DEVICE AND CONTROL METHOD THEREFOR
(73) LG Electronics Inc.
(72) JEONG, Jeongyun
SHIN, Chiho
SHIN, Byounghyun
(31) 20150011959
(32) 26.01.2015
(33) Korea (Republic)

(51) H04L 29/08
H04M 3/42
H04W 4/00
(11) EP3396927
(21) EP17193877.2
(47) 11.09.2019
(22) 28.09.2017
(54) SYSTEM AND METHOD OF DOWNLOADING FILTERING RULES ONTO A MOBILE DEVICE
(73) AO Kaspersky Lab
(72) KOMISSAROV, Alexey P.
YABLOKOV, Victor V.
CHIKOV, Alexey M.
(31) 2017115050
201715603842
(32) 28.04.2017
24.05.2017
(33) Russian Federation
United States of America

(51) H04L 29/08
H04W 8/24
H04W 4/24
H04L 12/26
H04L 12/14
H04M 15/00
H04W 88/02
H04W 24/02
H04W 88/06
H04W 84/12
(11) EP3373623
(21) EP18160960.3
(47) 11.09.2019
(22) 09.03.2018
(54) METHOD FOR ENABLING CACHING FEEDBACK
(73) IPCom GmbH & Co. KG
(72) HANS, Martin
SCHMIDT, Andreas
LUFT, Achim
(31) 17160263
(32) 10.03.2017
(33) European Patent Office (EPO)

(51) H04L 29/12
H04L 12/28
H04L 29/06
(11) EP2686986
(21) EP12760372.8
(47) 11.09.2019
(87) US2012029673
27.09.2012
(22) 19.03.2012
(54) METHOD, SYSTEM, AND COMPUTER READABLE MEDIA FOR CONFIGURABLE DIAMETER ADDRESS RESOLUTION
(73) Tekelec, Inc.
(72) WALLACE, Donald, E.
KANODE, Mark, Edward
MCCANN, Thomas, Matthew
KARUTURI, Sridhar
KARMARKAR, Kedar, Kashinath
(31) 201161454462 P
(32) 18.03.2011
(33) United States of America

(51) H04L 29/12
H04L 12/741
H04L 12/721
H04L 12/46
H04L 12/911
(11) EP3300300
(21) EP16813678.6
(47) 11.09.2019
(87) CN2016085991
29.12.2016
(22) 16.06.2016
(54) METHOD, DEVICE AND SYSTEM FOR CONFIGURING USER EQUIPMENT FORWARDING TABLE
(73) Huawei Technologies Co., Ltd.
(72) BAI, Yuanling
YANG, Wenle
ZHENG, Ruobin
(31) 201510349681
(32) 23.06.2015
(33) China

(51) H04L 29/12
H04L 29/06
(11) EP2637387
(21) EP13158369.2
(47) 11.09.2019
(22) 08.03.2013
(54) MANAGING DOMAIN NAME ABUSE
(73) Afilias PLC
(72) Young, Michael William
Van Egmond, Stephen
Aaron, Greg
(31) 201213416688
(32) 09.03.2012
(33) United States of America

(51) H04L 29/12
H04L 29/06
H04L 12/733
H04L 12/707
(11) EP3086533
(21) EP16165347.2
(47) 11.09.2019
(22) 29.10.1999

(54) AN AGILE NETWORK PROTOCOL FOR SECURE COMMUNICATIONS WITH ASSURED SYSTEM AVAILABILITY
(73) VirnetX Inc.
(72) MUNGER, Edmund Colby
SABIO, Vincent, J
SHORT, Robert, Dunham, III
GLIGOR, Virgil, D.
SCHMIDT, Douglas, Charles
(31) 106261 P
137704 P
(32) 30.10.1998
07.06.1999
(33) United States of America
United States of America

(51) H04M 1/00
H04W 36/14
H04W 48/16
H04W 92/18
H04W 48/18
H04W 8/00
(11) EP3203711
(21) EP15856266.0
(47) 11.09.2019
(87) JP2015081365
12.05.2016
(22) 06.11.2015
(54) USER TERMINAL
(73) Kyocera Corporation
(72) FUJISHIRO, Masato
ADACHI, Hiroyuki
CHANG, Henry
(31) 201462076734 P
(32) 07.11.2014
(33) United States of America

(51) H04M 1/02
H04M 1/725
G06F 1/16
H04B 5/00
G04R 60/10
(11) EP3337140
(21) EP18154109.5
(47) 11.09.2019
(22) 31.03.2016
(54) MOBILE TERMINAL
(73) LG Electronics Inc.
(72) KIM, Junhee
LEE, Myoungku
CHOI, Wonjin
LIM, Peelhyuk
PARK, Minho
WON, Changbai
(31) 20150061307
(32) 30.04.2015
(33) Korea (Republic)

(51) H04M 1/04
F16M 11/04
F16M 11/10
(11) EP3391631
(21) EP16826017.2
(47) 11.09.2019
(87) EP2016081296
22.06.2017
(22) 15.12.2016
(54) ADAPTER FOR A HOLDING DEVICE
(73) Sam Sport And Marketing AG
(72) KRENN, Thomas
(31) 102015122072
(32) 17.12.2015
(33) Germany

(51) H04M 1/60
H04R 1/22
H03G 5/00
H03G 5/16
(11) EP2822259
(21) EP13174791.7
(47) 11.09.2019
(22) 02.07.2013
(54) Mobile device able to switch beween private mode and hands-free mode
(73) NXP B.V.
(72) Macours, Christophe

(51) H04M 1/725
H04B 5/00
(11) EP2487884
(21) EP11153439.2
(47) 11.09.2019
(22) 04.02.2011
(54) Mobile wireless communications device to detect movement of an adjacent non-radiating object and associated methods
(73) BlackBerry Limited
(72) Moosavi, Vahid
Rose, Scott Douglas

(51) H04M 1/725
H04M 1/663
H04W 4/12
(11) EP3092826
(21) EP15735171.9
(47) 11.09.2019
(87) US2015010860
16.07.2015
(22) 09.01.2015
(54) AUTOMATED MESSAGING
(73) OnePin, Inc.
(72) CELIK, Feyzi
NOWAK, Marcin
DEGRACE, Chris
(31) 201461926120 P
(32) 10.01.2014
(33) United States of America

(51) H04M 1/725
H04M 15/00
G06F 21/51
H04L 29/06
H04W 48/04
H04W 12/08
H04W 4/021
H04N 21/45
H04N 21/443
(11) EP3349510
(21) EP16894854.5
(47) 11.09.2019
(87) CN2016076989
28.09.2017
(22) 22.03.2016
(54) METHOD FOR LIMITING USAGE OF APPLICATION PROGRAM, AND TERMINAL
(73) Huawei Technologies Co., Ltd.
(72) NI, Jing
QIAN, Kai

(51) H04M 3/22
H04M 3/436
G10L 15/02
G10L 15/26
(11) EP3119070
(21) EP16163315.1
(47) 11.09.2019
(22) 31.03.2016
(54) METHOD AND DEVICE FOR DETERMINING A CRANK PHONE NUMBER
(73) Xiaomi Inc.
(72) QIN, Qiuping
CHEN, Zhijun
LONG, Fei
(31) 201510408711
(32) 13.07.2015
(33) China

(51) H04M 3/42
H04W 4/16
H04W 4/14
(11) EP2899939
(21) EP13859062.5
(47) 11.09.2019
(87) CN2013080920
05.06.2014
(22) 06.08.2013
(54) END-OF-CALL SHORT MESSAGE IMPLEMENTATION METHOD AND APPARATUS BASED ON CTD
(73) ZTE Corporation
(72) PENG, Lei
(31) 201210490857
(32) 27.11.2012
(33) China

(51) H04M 3/42
H04W 8/28
H04W 12/02
H04W 4/14
H04W 88/18
H04L 29/06
(11) EP1836863
(21) EP06701954.7
(47) 11.09.2019
(87) KR2006000045
20.07.2006
(22) 05.01.2006
(54) METHOD, SYSTEM AND APPARATUS FOR PROVIDING VIRTUAL MOBILE PHONE NUMBER SERVICE
(73) Intellectual Discovery Co., Ltd.
(72) YOO, Yong-kyu
HAN, Ji-woong
(31) 10200502678
10200502679
10200502680
(32) 11.01.2005
11.01.2005
11.01.2005
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) H04M 11/06
H04B 3/32
(11) EP2995074
(21) EP14722645.0
(47) 11.09.2019
(87) EP2014059135
13.11.2014
(22) 05.05.2014

(54) TIMESHARING FOR LOW POWER MODES
(73) Lantiq Beteiligungs-GmbH & Co. KG
(72) STROBEL, Rainer
SMAOUI, Lilia
OKSMAN, Vladimir
(31) 201361819579 P
201361819580 P
(32) 05.05.2013
05.05.2013
(33) United States of America
United States of America

(51) H04M 11/06
H04B 3/487
H04L 5/00
(11) EP2146473
(21) EP08104750.8
(47) 11.09.2019
(22) 15.07.2008
(54) Method and device for data processing and communication system comprising such device
(73) ADTRAN GmbH
(72) Ahrndt, Thomas

(51) H04M 15/00
H04M 17/00
H04W 4/24
H04W 36/00
H04L 29/06
H04W 8/20
H04W 12/06
H04W 36/14
H04W 80/04
(11) EP1645143
(21) EP04776684.5
(47) 11.09.2019
(87) US2004019266
13.01.2005
(22) 15.06.2004
(54) ROAMING ACROSS DIFFERENT ACCESS MECHANISMS AND NETWORK TECHNOLOGIES
(73) Oracle International Corporation
(72) MAES, Stephane, H.
(31) 483283 P
856560
(32) 27.06.2003
28.05.2004
(33) United States of America
United States of America

(51) H04N 1/00
(11) EP2750364
(21) EP13199178.8
(47) 11.09.2019
(22) 20.12.2013
(54) Mobile terminal device, and method and computer readable medium for the same
(73) Brother Kogyo Kabushiki Kaisha
(72) Shiraga, Naoto
(31) 2012285178
(32) 27.12.2012
(33) Japan

(51) H04N 1/00
H04N 1/32
(11) EP2760191
(21) EP14150130.4
(47) 11.09.2019
(22) 03.01.2014
(54) Image reading apparatus, image forming apparatus, and image reading method
(73) Ricoh Company, Ltd.
(72) Hashimoto, Hideki
Nakazawa, Masamoto
(31) 2013011466
(32) 24.01.2013
(33) Japan

(51) H04N 1/047
H04N 1/113
(11) EP2736244
(21) EP13193173.5
(47) 11.09.2019
(22) 15.11.2013
(54) Optical scanning apparatus, method for performing the same and image forming apparatus
(73) Ricoh Company Ltd.
(72) Johno, Hiroshi
Serizawa, Keiichi
Yoshida, Daisuke
Watanabe, Kazunori
(31) 2012257389
2013035063
(32) 26.11.2012
25.02.2013
(33) Japan
Japan

(51) H04N 1/195
H04N 1/00
H04N 5/222
(11) EP2856746
(21) EP13794086.2
(47) 11.09.2019
(87) US2013042391
28.11.2013
(22) 23.05.2013
(54) VISION ASSISTIVE DEVICES AND USER INTERFACES
(73) Freedom Scientific, Inc.
(72) REZNIK, Leon
LVOVSKY, Lev
REZNIK, Helen
ULANOVSKY, Levy
(31) 201261688909 P
201313829727
(32) 24.05.2012
14.03.2013
(33) United States of America
United States of America

(51) H04N 5/225
H04N 5/232
(11) EP3152895
(21) EP14735685.1
(47) 11.09.2019
(87) IB2014061929
10.12.2015
(22) 03.06.2014
(54) LIFELOG CAMERA AND METHOD OF CONTROLLING IN ASSOCIATION WITH AN INTRAPERSONAL AREA NETWORK
(73) Sony Corporation
(72) THÖRN, Ola
BENGTSSON, Henrik

(51) H04N 5/225
H04N 5/232
G02B 13/00
G03B 5/00
G02B 27/64
(11) EP3342149
(21) EP16857749.2
(47) 11.09.2019
(87) KR2016011695
27.04.2017
(22) 18.10.2016
(54) CAMERA MODULE HAVING STABILIZER AND ELECTRONIC DEVICE INCLUDING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) YU, Young-Bok
RHO, Hyung-Jin
PARK, Joong-Wan
RYOO, Hyun-Ho
(31) 20150146195
(32) 20.10.2015
(33) Korea (Republic)

(51) H04N 5/225
H04N 5/232
G06T 7/00
H04N 5/235
H04N 5/374
G07C 1/24
(11) EP3138278
(21) EP15786708.6
(47) 11.09.2019
(87) US2015027887
05.11.2015
(22) 28.04.2015
(54) SYSTEMS AND METHODS FOR PROCESSING EVENT TIMING IMAGES
(73) Lynx System Developers, Inc.
(72) ALDRIDGE, Jeremy W.
DEANGELIS, Douglas J.
SIGEL, Kirk M.
CIHOLAS, Mike E.
BLAYLOCK, Paul R.
HOLLINGER, Herb A.
HALLAM, Evan A.
(31) 201414263550
201414263578
201414263504
201414263532
(32) 28.04.2014
28.04.2014
28.04.2014
28.04.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) H04N 5/232
H04N 5/217
H04N 5/225
A61B 1/045
(11) EP2575354
(21) EP12185812.0
(47) 11.09.2019
(22) 25.09.2012
(54) Endoscope system and external control device for endoscope
(73) Fujifilm Corporation
(72) Kotani, Manabu
(31) 2011218563
(32) 30.09.2011
(33) Japan

(51) H04N 5/232

H04N 17/00
(11) EP3407594
(21) EP18170272.1
(47) 11.09.2019
(22) 01.05.2018
(54) A METHOD FOR DYNAMICALLY CALIBRATING AN IMAGE CAPTURE DEVICE
(73) FotoNation Limited
(72) MALAESCU, Alexandru
NANU, Florin
(31) 201715605159
(32) 25.05.2017
(33) United States of America

(51) H04N 5/33
G08B 13/19
H04N 5/225
H05K 7/14
G03B 17/12
H04B 5/02
(11) EP2834968
(21) EP13717653.3
(47) 11.09.2019
(87) US2013035149
10.10.2013
(22) 03.04.2013
(54) ELECTRICAL CABINET INFRARED MONITOR
(73) Flir Systems, Inc.
(72) SCANLON, Thomas J.
FOX, Michael
HÖGASTEN, Nicholas
HOELTER, Theodore R.
STRANDEMAR, Katrin
(31) 201261621385 P
201261656889 P
PCT/US2012/041749
PCT/US2012/041739
PCT/US2012/041744
201313839118
(32) 06.04.2012
07.06.2012
08.06.2012
08.06.2012
08.06.2012
15.03.2013
(33) United States of America
United States of America
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
United States of America

(51) H04N 5/33
H04N 5/361
H04N 5/363
G01J 1/44
H04N 5/3745
G01J 1/46
G01J 5/22
(11) EP3324610
(21) EP17201545.5
(47) 11.09.2019
(22) 14.11.2017
(54) LOW-FLOW AND LOW-NOISE DETECTION CIRCUIT
(73) LYNRED
(72) AUFRANC, Sébastien
SANSON, Eric
(31) 1661322
(32) 21.11.2016
(33) France

(51) H04N 5/359
H04N 5/355
(11) EP3311560
(21) EP16811784.4
(47) 11.09.2019
(87) KR2016001070
22.12.2016
(22) 01.02.2016
(54) PHOTOGRAPHING APPARATUS FOR PREVENTING LIGHT LEAKAGE AND IMAGE SENSOR THEREOF
(73) Samsung Electronics Co., Ltd.
(72) MOON, Jae-joon
(31) 20150087582
(32) 19.06.2015
(33) Korea (Republic)

(51) H04N 7/01
(11) EP2564588
(21) EP11720565.8
(47) 11.09.2019
(87) GB2011000650
03.11.2011
(22) 27.04.2011
(54) METHOD AND DEVICE FOR MOTION COMPENSATED VIDEO INTERPOLTATION
(73) Imagination Technologies Limited
(72) FISHWICK, Steven
MORPHET, Stephen
(31) 201007351
(32) 30.04.2010
(33) United Kingdom

(51) H04N 7/04
H04B 7/10
H04B 7/08
H01Q 3/24
H04B 7/0413
H04B 7/0456
H04B 7/0491
H04B 7/06
H04W 72/04
(11) EP2859723
(21) EP13727124.3
(47) 11.09.2019
(87) EP2013061318
12.12.2013
(22) 31.05.2013
(54) MIMO SIGNAL TRANSMISSION AND RECEPTION DEVICE AND SYSTEM COMPRISING AT LEAST ONE SUCH DEVICE
(73) InterDigital CE Patent Holdings
(72) LOUZIR, Ali
LE NAOUR, Jean-Yves
LO HINE TONG, Dominique
MINARD, Philippe
ROBERT, Jean-Luc
(31) 1255300
(32) 07.06.2012
(33) France

(51) H04N 7/12
(11) EP2727337
(21) EP12823327.7
(47) 11.09.2019
(87) IN2012000454
21.02.2013
(22) 26.06.2012
(54) SYSTEM AND METHOD FOR MULTIPLEXING VIDEO CONTENTS FROM MULTIPLE BROADCASTING CHANNELS INTO SINGLE BROADCASTING CHANNEL
(73) Tata Consultancy Services Limited
(72) PAL, Arpan
SINHA, Aniruddha
SAHA, Arindam
GHOSH, Hiranmay
SHROFF, Gautam
(31) 1894MU2011
(32) 30.06.2011
(33) India

(51) H04N 7/16
H04N 9/00
(11) EP1829368
(21) EP05824499.7
(47) 11.09.2019
(87) US2005042561
26.05.2006
(22) 22.11.2005
(54) METHODS AND APPARATUS FOR MEDIA SOURCE IDENTIFICATION AND TIME SHIFTED MEDIA CONSUMPTION MEASUREMENTS
(73) Nielsen Media Research, Inc.
(72) RAMASWAMY, Arun
(31) 629996 P
(32) 22.11.2004
(33) United States of America

(51) H04N 7/18
H04N 7/00
G08B 13/196
(11) EP2710801
(21) EP12785369.5
(47) 11.09.2019
(87) AU2012000539
22.11.2012
(22) 16.05.2012
(54) SURVEILLANCE SYSTEM
(73) Xtralis Technologies Ltd
(72) NAYLOR, Matthew John
(31) 2011901868
(32) 16.05.2011
(33) Australia

(51) H04N 9/04
G06T 5/10
(11) EP2642757
(21) EP13160041.3
(47) 11.09.2019
(22) 19.03.2013
(54) Imaging systems with clear filter pixels
(73) Aptina Imaging Corporation
(72) Mlinar, Marko
Keelan, Brian
(31) 201261612819 P
201313736768
(32) 19.03.2012
08.01.2013
(33) United States of America
United States of America

(51) H04N 13/30
H04N 13/356
G03B 21/28
G09B 9/32

G02B 27/22
G02B 27/26
H04N 13/363
H04N 13/366
(11) EP2595397
(21) EP12192213.2
(47) 11.09.2019
(22) 12.11.2012
(54) A collimated stereo display system
(73) Rockwell Collins, Inc.
(72) Harris, Gordon
Paul, Larry
Anthony, Roy
(31) 201113297814
(32) 16.11.2011
(33) United States of America

(51) H04N 13/302
H04N 13/324
H04N 13/356
H04N 13/349
G09G 3/00
G09G 3/20
G02B 27/22
(11) EP3176628
(21) EP17150865.8
(47) 11.09.2019
(22) 08.02.2008
(54) SUBPIXEL LAYOUTS AND SUBPIXEL RENDERING METHODS FOR DIRECTIONAL DISPLAYS AND SYSTEMS
(73) Samsung Display Co., Ltd.
(72) BROWN ELLIOTT, Candice Hellen
(31) 889724 P
(32) 13.02.2007
(33) United States of America

(51) H04N 19/105
H04N 19/119
H04N 19/136
H04N 19/176
H04N 19/196
H04N 19/44
H04N 19/46
H04N 19/593
(11) EP3249924
(21) EP17179305.2
(47) 11.09.2019
(22) 16.03.2010
(54) IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE DECODING DEVICE AND IMAGE PREDICTIVE DECODING METHOD
(73) NTT DOCOMO, INC.
(72) SUZUKI, Yoshinori
BOON, Choong Seng
(31) 2009069975
(32) 23.03.2009
(33) Japan

(51) H04N 19/105
H04N 19/147
H04N 19/30
H04N 19/192
(11) EP3324622
(21) EP17204552.8
(47) 11.09.2019
(22) 13.04.2012
(54) MULTIPLE COLOR CHANNEL MULTIPLE REGRESSION PREDICTOR
(73) Dolby Laboratories Licensing Corporation
(72) SU, Guan-Ming
QU, Sheng
KOEPFER, Hubert
YUAN, Yufei
HULYALKAR, Samir N.
(31) 201161475359 P
(32) 14.04.2011
(33) United States of America

(51) H04N 19/105
H04N 19/176
H04N 19/593
H04N 19/11
H04N 19/136
H04N 19/182
H04N 19/159
(11) EP3322183
(21) EP17209163.9
(47) 11.09.2019
(22) 29.10.2012
(54) METHOD FOR INTRA PREDICTION OF VIDEO
(73) Samsung Electronics Co., Ltd
(72) LEE, Tammy
CHEN, Jianle
(31) 201161552692 P
(32) 28.10.2011
(33) United States of America

(51) H04N 19/107
H04N 19/167
H04N 19/176
H04N 19/55
H04N 19/61
H04N 19/70
(11) EP2630800
(21) EP12706530.8
(47) 11.09.2019
(87) EP2012052974
13.09.2012
(22) 22.02.2012
(54) A METHOD FOR CODING A SEQUENCE OF DIGITIZED IMAGES
(73) Siemens Aktiengesellschaft
(72) AMON, Peter
(31) 11157462
(32) 09.03.2011
(33) European Patent Office (EPO)

(51) H04N 19/11
H04N 19/12
H04N 19/14
H04N 19/15
H04N 19/46
H04N 19/61
H04N 19/86
H04N 19/124
H04N 19/157
H04N 19/159
H04N 19/176
H04N 19/587
H04N 19/593
H04N 19/182
(11) EP3373579
(21) EP18167909.3
(47) 11.09.2019
(22) 21.12.2011
(54) ENHANCED INTRA-PREDICTION CODING USING PLANAR REPRESENTATIONS
(73) NTT DOCOMO, INC.
(72) BOSSEN, Frank Jan
KANUMURI, Sandeep
(31) 201061425670 P
201161449528 P
(32) 21.12.2010
04.03.2011
(33) United States of America
United States of America

(51) H04N 19/117
H04N 19/70
H04N 19/176
H04N 19/13
H04N 19/91
H04N 19/174
H04N 19/186
(11) EP3297284
(21) EP17199793.5
(47) 11.09.2019
(22) 11.06.2013
(54) ENCODING AND DECODING VIDEOS SHARING SAO PARAMETERS ACCORDING TO A COLOR COMPONENT
(73) Samsung Electronics Co., Ltd.
(72) ALSHINA, Elena
ALSHIN, Alexander
(31) 201261657967 P
(32) 11.06.2012
(33) United States of America

(51) H04N 19/172
H04N 19/186
H04N 19/65
H04N 19/147
H04N 19/124
H04N 19/136
H04N 19/126
(11) EP3021581
(21) EP15194042.6
(47) 11.09.2019
(22) 11.11.2015
(54) RATE CONTROL ADAPTATION FOR HIGH-DYNAMIC RANGE IMAGES
(73) Dolby Laboratories Licensing Corporation
(72) LU, Taoran
YIN, Peng
CHEN, Tao
SU, Guan-Ming
(31) 201462078146 P
(32) 11.11.2014
(33) United States of America

(51) H04N 19/18
H04N 19/176
H04N 19/13
H04N 19/91
H04N 19/146
H04N 19/625
(11) EP2622861
(21) EP11768258.3
(47) 11.09.2019
(87) US2011054425
05.04.2012
(22) 30.09.2011
(54) ENTROPY CODING COEFFICIENTS USING A JOINT CONTEXT MODEL

(73) Qualcomm Incorporated
(72) SOLE ROJALS, Joel
JOSHI, Rajan L.
KARCZEWICZ, Marta
(31) 201113249079
389170 P
201113249020
(32) 29.09.2011
01.10.2010
29.09.2011
(33) United States of America
United States of America
United States of America

(51) H04N 19/48
H04N 19/40
H04N 19/513
H04N 19/91
H04N 19/517
(11) EP3095240
(21) EP15700568.7
(47) 11.09.2019
(87) EP2015050584
23.07.2015
(22) 14.01.2015
(54) METHOD AND DEVICE FOR TRANSCODING VIDEO DATA FROM H.264 TO H.265
(73) SAGEMCOM BROADBAND SAS
(72) SAMY, Roger
(31) 1450367
(32) 17.01.2014
(33) France

(51) H04N 19/52
H04N 19/147
H04N 19/109
H04N 19/19
(11) EP2772057
(21) EP12809101.4
(47) 11.09.2019
(87) EP2012004497
02.05.2013
(22) 26.10.2012
(54) METHOD AND DEVICE FOR DETERMINING PARAMETERS FOR ENCODING OR DECODING OF AN IMAGE OF A VIDEO SEQUENCE
(73) Canon Kabushiki Kaisha
(72) LAROCHE, Guillaume
ONNO, Patrice
(31) 201118705
201200919
(32) 28.10.2011
19.01.2012
(33) United Kingdom
United Kingdom

(51) H04N 19/593
H04N 19/159
H04N 19/176
H04N 19/127
(11) EP3329675
(21) EP16745394.3
(47) 11.09.2019
(87) US2016043978
02.02.2017
(22) 26.07.2016
(54) METHODS AND SYSTEMS OF RESTRICTING BI-PREDICTION IN VIDEO CODING
(73) Qualcomm Incorporated
(72) RAPAKA, Krishnakanth
JOSHI, Rajan Laxman
SEREGIN, Vadim
KARCZEWICZ, Marta
(31) 201562197496 P
201615219159
(32) 27.07.2015
25.07.2016
(33) United States of America
United States of America

(51) H04N 19/597
H04N 19/119
H04N 19/147
H04N 19/11
H04N 19/159
(11) EP3140988
(21) EP15812208.5
(47) 11.09.2019
(87) US2015038042
30.12.2015
(22) 26.06.2015
(54) METHOD AND DEVICE FOR REDUCING A COMPUTATIONAL LOAD IN HIGH EFFICIENCY VIDEO CODING
(73) Huawei Technologies Co. Ltd.
Santa Clara University
(72) GU, Zhouye
ZHENG, Jianhua
LING, Nam
ZHANG, Chen-Xiong
(31) 201462017625 P
201462027386 P
(32) 26.06.2014
22.07.2014
(33) United States of America
United States of America

(51) H04N 19/597
H04N 19/63
H04N 19/20
H04N 19/70
(11) EP3017549
(21) EP14826205.8
(47) 11.09.2019
(87) CN2014082632
22.01.2015
(22) 21.07.2014
(54) METHOD AND APPARATUS OF DERIVATION FOR A BINARY PARTITION PATTERN
(73) Huawei Technologies Co., Ltd.
(72) GU, Zhouye
ZHENG, Jianhua
LING, Nam
ZHANG, Chen-Xiong
(31) 201361856554 P
201361866941 P
201414335403
(32) 19.07.2013
16.08.2013
18.07.2014
(33) United States of America
United States of America
United States of America

(51) H04N 19/70
H04N 19/46
H04N 19/61
H04N 19/174
(11) EP2862353
(21) EP13726965.0
(47) 11.09.2019
(87) US2013041764
19.12.2013
(22) 20.05.2013
(54) METHOD AND APPARATUS FOR EFFICIENT SLICE HEADER PROCESSING
(73) Google Technology Holdings LLC
(72) YU, Yue
LOU, Jian
WANG, Limin
(31) 201261659986 P
201313863072
(32) 15.06.2012
15.04.2013
(33) United States of America
United States of America

(51) H04N 19/86
H04N 19/597
H04N 19/70
H04N 19/117
H04N 19/159
H04N 19/176
(11) EP3078194
(21) EP14876666.0
(47) 11.09.2019
(87) CN2014095901
09.07.2015
(22) 31.12.2014
(54) METHOD AND APPARATUS FOR INTRA PREDICTION CODING WITH BOUNDARY FILTERING CONTROL
(73) HFI Innovation Inc.
(72) ZHANG, Xianguo
LIN, Jian-Liang
ZHANG, Kai
AN, Jicheng
HUANG, Han
CHEN, Yi-Wen
(31) 201461922904 P
PCT/CN2014/072491
(32) 02.01.2014
25.02.2014
(33) United States of America
World Intellectual Property Office (WIPO)

(51) H04N 19/96
H04N 19/503
H04N 19/70
(11) EP2575366
(21) EP12005568.6
(47) 11.09.2019
(22) 31.07.2012
(54) Signaling of coding unit prediction and prediction unit partition mode for video coding
(73) Avago Technologies International Sales Pte. Limited
(72) Chen, Peisong
Wan, Wade
Heng, Brian
(31) 201161539948 P
201213523822
(32) 27.09.2011
14.06.2012
(33) United States of America
United States of America

(51) H04N 21/236
H04J 11/00
(11) EP3097695
(21) EP15741101.8
(47) 11.09.2019
(87) KR2015000706
30.07.2015
(22) 23.01.2015
(54) APPARATUS FOR TRANSMITTING BROADCAST SIGNALS, APPARATUS FOR RECEIVING BROADCAST SIGNALS, METHOD FOR TRANSMITTING BROADCAST SIGNALS AND METHOD FOR RECEIVING BROADCAST SIGNALS
(73) LG Electronics Inc.
(72) JEONG, Byeongkook
KO, Woosuk
HONG, Youngjin
HONG, Sungryong
(31) 201461931668 P
201461939693 P
201461939697 P
201461939698 P
201461939701 P
201461939703 P
201461939705 P
201461939708 P
201461939711 P
201461939712 P
(32) 26.01.2014
13.02.2014
13.02.2014
13.02.2014
13.02.2014
13.02.2014
13.02.2014
13.02.2014
13.02.2014
13.02.2014
13.02.2014
(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
United States of America
United States of America

(51) H04N 21/2365
H04N 21/238
H04N 21/2385
H04N 21/434
(11) EP2359602
(21) EP08875364.5
(47) 11.09.2019
(87) EP2008066169
03.06.2010
(22) 25.11.2008
(54) METHOD AND APPARATUS FOR STATISTICAL MULTIPLEXING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) JONES, Anthony Richard
BOCK, Alois Martin

(51) H04N 21/422
H04N 21/442
H04N 21/472
H04N 21/4363
(11) EP3059971
(21) EP16163303.7
(47) 11.09.2019
(22) 19.12.2013
(54) INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING SYSTEM
(73) SONY CORPORATION
(72) Miyake, Kunihiko
Amano, Sho
Yamaura, Tomoya
(31) 2013025665
(32) 13.02.2013
(33) Japan

(51) H04N 21/6332
H04N 21/6547
H04N 21/258
H04L 29/08
H04L 12/26
H04N 21/63
H04N 21/436
H04N 21/41
H04L 29/06
H04L 12/24
(11) EP3120574
(21) EP15719315.2
(47) 11.09.2019
(87) US2015021085
24.09.2015
(22) 17.03.2015
(54) METHODS AND SYSTEMS FOR RECOMMENDING COMMUNICATIONS CONFIGURATIONS
(73) Sling Media L.L.C.
(72) ABRAMOV, Andrey L.
GEORGES, Yohann
MULE, Sachin D.
(31) 201414217881
(32) 18.03.2014
(33) United States of America

(51) H04N 21/845
H04N 21/442
(11) EP3162081
(21) EP15741685.0
(47) 11.09.2019
(87) US2015038379
07.01.2016
(22) 29.06.2015
(54) ADAPTIVE DATA SEGMENT DELIVERY ARBITRATION FOR BANDWIDTH OPTIMIZATION
(73) DISH Technologies L.L.C.
(72) HURST, Mark B.
(31) 201462019319 P
(32) 30.06.2014
(33) United States of America

(51) H04Q 9/00
(11) EP2401731
(21) EP10745783.0
(47) 11.09.2019
(87) CA2010000283
02.09.2010
(22) 25.02.2010
(54) SYSTEM AND METHOD FOR ANALYZING FAULTY EVENT TRANSMISSIONS
(73) Tyco Safety Products Canada Ltd.
(72) FOISY, Stephane
(31) 394738
(32) 27.02.2009
(33) United States of America

(51) H04Q 9/00
G01D 4/00
G06F 13/38
(11) EP2932727
(21) EP13786770.1
(47) 11.09.2019
(87) US2013062752
26.06.2014
(22) 30.09.2013
(54) SYSTEM ON A MODULE FOR SMART GRID NODES
(73) Itron, Inc.
(72) BEAN, John, Robert
SMITH, Thomas, Benjamin
BARRETT, Gregory, Shane
TAKOW, James, Ntaribo
(31) 201213717440
(32) 17.12.2012
(33) United States of America

(51) H04Q 11/00
(11) EP2697982
(21) EP12771209.9
(47) 11.09.2019
(87) CN2012073957
18.10.2012
(22) 12.04.2012
(54) MITIGATING ROGUE OPTICAL NETWORK UNIT (ONU) BEHAVIOR IN A PASSIVE OPTICAL NETWORK (PON)
(73) ZTE Corporation
ZTE (USA) Inc.
(72) KHOTIMSKY, Denis andreyevich
YUAN, Liquan
ZHANG, Dezhi
(31) PCT/CN2011/072746
(32) 13.04.2011
(33) World Intellectual Property Office (WIPO)

(51) H04R 1/10
G10K 11/168
H04R 1/28
(11) EP3261358
(21) EP17176425.1
(47) 11.09.2019
(22) 16.06.2017
(54) EARPHONE
(73) Onkyo Corporation
(72) OUCHI, Takashi
(31) 2016124029
(32) 23.06.2016
(33) Japan

(51) H04R 1/10
H04R 25/00
(11) EP3068142
(21) EP16159360.3
(47) 11.09.2019
(22) 09.03.2016
(54) COMFORT AND HIGH RETENTION VIBRATION AND SOUND DAMPING EAR TIPS
(73) Conversion Sound Inc.
(72) Basseas, Stavros
Anderson, James
Kilhefner, Michael

(31) 201562130190 P
(32) 09.03.2015
(33) United States of America

(51) H04R 1/28
H04R 1/02
(11) EP3331252
(21) EP18151887.9
(47) 11.09.2019
(22) 06.02.2015
(54) ELECTRONIC DEVICE
(73) LG Electronics Inc.
(72) JE, Yongjun
KO, Youngin
(31) 20140014385
(32) 07.02.2014
(33) Korea (Republic)

(51) H04R 1/28
H04R 31/00
(11) EP2800398
(21) EP12862843.5
(47) 11.09.2019
(87) CN2012073888
04.07.2013
(22) 12.04.2012
(54) LOUDSPEAKER AND MANUFACTURING METHOD THEREFOR
(73) Huang, Xinmin
(72) Huang, Xinmin
(31) 201110460094
201120575402 U
(32) 31.12.2011
31.12.2011
(33) China
China

(51) H04R 1/40
H04R 1/02
H04R 27/00
(11) EP3130157
(21) EP15717384.0
(47) 11.09.2019
(87) US2015024679
15.10.2015
(22) 07.04.2015
(54) CURVABLE LINE ARRAY
(73) Bose Corporation
(72) KUTIL, Joseph J.
FIDLIN, Paul F.
SANTORO, Peter C.
WARDEN, Robert A.
JACOB, Kenneth D.
(31) 201414246388
(32) 07.04.2014
(33) United States of America

(51) H04R 17/00
(11) EP3384685
(21) EP15804805.8
(47) 11.09.2019
(87) EP2015078688
08.06.2017
(22) 04.12.2015
(54) ELECTRO-ACTIVE LOUDSPEAKER
(73) Harman Becker Automotive Systems GmbH
(72) PFAFFINGER, Gerhard

(51) H04R 19/00
(11) EP2898703
(21) EP13779329.5
(47) 11.09.2019
(87) GB2013052458
27.03.2014
(22) 19.09.2013
(54) MEMS DEVICE AND PROCESS
(73) Cirrus Logic International Semiconductor Limited
(72) JENKINS, Colin Robert
HOEKSTRA, Tsjerk
BOYD, Euan
(31) 201217011
201261704824 P
201220361
201261725380 P
201314964
201313974797
(32) 24.09.2012
24.09.2012
12.11.2012
12.11.2012
21.08.2013
23.08.2013
(33) United Kingdom
United States of America
United Kingdom
United States of America
United Kingdom
United States of America

(51) H04R 19/00
H04R 19/04
(11) EP3213531
(21) EP15791719.6
(47) 11.09.2019
(87) FR2015052862
06.05.2016
(22) 23.10.2015
(54) ELECTRO-ACOUSTIC TRANSDUCER, RELATED ASSEMBLY AND SYSTEM
(73) Université du Maine
Centre National de la Recherche Scientifique (CNRS)
(72) DURAND, Stéphane
HONZIK, Petr
PODKOVSKIY, Alexey
JOLY, Nicolas
BRUNEAU, Michel
(31) 1460325
(32) 27.10.2014
(33) France

(51) H04R 25/00
H04R 1/28
H04R 9/06
H04R 11/02
H04R 9/04
(11) EP3451702
(21) EP18174896.3
(47) 11.09.2019
(22) 29.05.2018
(54) INTEGRALLY-DESIGNED BONE CONDUCTION DRIVER
(73) Geng, Jun
(72) Geng, Jun
(31) 201721108600 U
(32) 31.08.2017
(33) China

(51) H04S 1/00
H04S 7/00
(11) EP3025514
(21) EP14748239.2
(47) 11.09.2019
(87) FR2014051728
29.01.2015
(22) 04.07.2014
(54) SOUND SPATIALIZATION WITH ROOM EFFECT
(73) Orange
(72) PALLONE, Grégory
EMERIT, Marc
(31) 1357299
(32) 24.07.2013
(33) France

(51) H04S 7/00
H04S 3/00
(11) EP2984857
(21) EP14716549.2
(47) 11.09.2019
(87) EP2014056917
16.10.2014
(22) 07.04.2014
(54) APPARATUS AND METHOD FOR CENTER SIGNAL SCALING AND STEREOPHONIC ENHANCEMENT BASED ON A SIGNAL-TO-DOWNMIX RATIO
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) UHLE, Christian
PROKEIN, Peter
HELLMUTH, Oliver
SCHARRER, Sebastian
HABETS, Emanuel
(31) 13163621
13182103
(32) 12.04.2013
28.08.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) H04S 7/00
H04S 3/00
G06F 3/01
G10L 19/008
G06F 3/0481
H04R 1/40
(11) EP3414925
(21) EP17705288.3
(47) 11.09.2019
(87) US2017017204
17.08.2017
(22) 09.02.2017
(54) SYSTEM AND METHOD FOR SPATIAL PROCESSING OF SOUNDFIELD SIGNALS
(73) Dolby Laboratories Licensing Corporation
(72) DICKINS, Glenn N.
GUNAWAN, David
(31) 16154889
201662293104 P
(32) 09.02.2016
09.02.2016
(33) European Patent Office (EPO)
United States of America

(51) H04W 4/00
H04L 9/32
H04W 40/36
(11) EP3340662
(21) EP16838436.0

(47) 11.09.2019
(87) CN2016089448
02.03.2017
(22) 08.07.2016
(54) METHOD AND APPARATUS FOR ACQUIRING DEVICE-TO-DEVICE (D2D) AUTHORIZATION INFORMATION
(73) ZTE Corporation
(72) GAO, Yin
WU, Yunlu
CHEN, Lin
(31) 201510520203
(32) 21.08.2015
(33) China

(51) H04W 4/02
H04W 24/02
H04W 84/12
H04W 48/20
H04W 88/12
H04W 88/08
(11) EP3301954
(21) EP17192807.0
(47) 11.09.2019
(22) 25.09.2017
(54) IDENTIFYING DOORWAY ACCESS POINTS
(73) Hewlett Packard Enterprise Development LP
(72) SUGATOOR, Manaswini Lakshmikanth
AGARWAL, Gopal
IYER, Pradeep
(31) 201615282245
(32) 30.09.2016
(33) United States of America

(51) H04W 4/12
H04W 88/02
(11) EP2620001
(21) EP11826993.5
(47) 11.09.2019
(87) KR2011006906
29.03.2012
(22) 19.09.2011
(54) METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING AN INTEGRATED MESSAGE USING PORTABLE DEVICE
(73) Samsung Electronics Co., Ltd
(72) PARK, Hyun Mi
UM, Tae Won
JEONG, Seok Hyun
(31) 20100092290
(32) 20.09.2010
(33) Korea (Republic)

(51) H04W 4/16
H04W 88/18
(11) EP2801219
(21) EP13733771.3
(47) 11.09.2019
(87) US2013020178
11.07.2013
(22) 03.01.2013
(54) SYSTEM AND METHODS FOR COMMUNICATION FACILITATION
(73) Emerge.md Inc.
(72) PARTOVI, Shahram
(31) 201261583127 P
(32) 04.01.2012
(33) United States of America

(51) H04W 4/44
H04W 4/02
H04W 4/80
H04W 4/18
G08G 1/005
G08G 1/127
G08G 1/133
G08G 1/14
G08G 1/00
G07B 15/02
G07F 17/24
G06Q 20/04
G06Q 20/12
G06Q 20/38
G06Q 20/40
G06Q 20/32
(11) EP2510740
(21) EP10836332.6
(47) 11.09.2019
(87) US2010020799
16.06.2011
(22) 12.01.2010
(54) PROVIDING CITY SERVICES USING MOBILE DEVICES AND A SENSOR NETWORK
(73) Stationnement Urbain Developpements et Etudes
(72) Fiorucci, Jean-Louis
Rowe, Richard E.
(31) 285860 P
(32) 11.12.2009
(33) United States of America

(51) H04W 4/80
H04W 76/14
H04W 12/06
H04W 88/04
(11) EP3079438
(21) EP13900167.1
(47) 11.09.2019
(87) CN2013090457
02.07.2015
(22) 25.12.2013
(54) METHODS AND APPARATUSES FOR ESTABLISHING COOPERATIVE COMMUNICATION
(73) Huawei Technologies Co., Ltd.
(72) LI, Hantao

(51) H04W 8/00
(11) EP2578003
(21) EP11727576.8
(47) 11.09.2019
(87) US2011038799
08.12.2011
(22) 01.06.2011
(54) MULTI-HOMED PEER-TO-PEER NETWORK
(73) Qualcomm Incorporated
(72) BARANY, Peter, Anthony
LAGANIER, Julien, H.
(31) 201113149474
350433 P
(32) 31.05.2011
01.06.2010
(33) United States of America
United States of America

(51) H04W 8/00
H04W 24/10
H04W 76/00
(11) EP2424281
(21) EP11175936.1
(47) 11.09.2019
(22) 29.07.2011
(54) Wireless communication apparatus, program, wireless communication method, and wireless communication system
(73) Sony Corporation
(72) Nagara, Toru
(31) 2010187369
(32) 24.08.2010
(33) Japan

(51) H04W 8/06
H04W 48/02
H04W 60/04
(11) EP2385714
(21) EP11164829.1
(47) 11.09.2019
(22) 04.05.2011
(54) Operation of machine-type communication devices
(73) Vodafone IP Licensing Limited
(72) Pudney, Christopher
Russell, Nick
Dawes, Peter
Wong, Gavin
Banks, Robert
(31) 201007397
(32) 04.05.2010
(33) United Kingdom

(51) H04W 8/20
H04W 4/60
H04W 8/18
(11) EP3335448
(21) EP16745901.5
(47) 11.09.2019
(87) US2016040297
16.02.2017
(22) 30.06.2016
(54) METHODS, PROCEDURES AND FRAMEWORK TO PROVISION AN ESIM AND MAKE IT MULTI-SIM CAPABLE USING PRIMARY ACCOUNT INFORMATION
(73) Apple Inc.
(72) YERRABOMMANAHALLI, Vikram B.
LI, Li
MATHIAS, Arun G.
ABDULRAHIMAN, Najeeb M.
VASUDEVAN, Chandiramohan
MALTHANKAR, Rohan C.
GONZALEZ, Francisco J.
RIVERA-BARRETO, Rafael L.
PADOVA, Jean-Marc
(31) 201562204431 P
201615178727
(32) 12.08.2015
10.06.2016
(33) United States of America
United States of America

(51) H04W 8/26
(11) EP2625879
(21) EP11830933.5
(47) 11.09.2019
(87) KR2011007422
12.04.2012
(22) 06.10.2011
(54) METHOD AND SYSTEM FOR ASSIGNING ADDRESSES TO

SUBSCRIBER STATIONS IN A WIRELESS COMMUNICATION ENVIRONMENT
(73) Samsung Electronics Co., Ltd
(72) AGIWAL, Anil
(31) 2970CH2010
(32) 06.10.2010
(33) India

(51) H04W 8/26
(11) EP2621204
(21) EP13164621.8
(47) 11.09.2019
(22) 28.07.2008
(54) METHOD AND APPARATUS FOR IDENTIFYING A USER EQUIPEMENT
(73) Huawei Technologies Co., Ltd.
(72) Guo, Xiaolong
(31) 200710137637
(32) 27.07.2007
(33) China

(51) H04W 12/02
H04L 29/06
H04M 1/60
H04L 9/06
H04W 12/00
(11) EP2774400
(21) EP11875081.9
(47) 11.09.2019
(87) FI2011050961
10.05.2013
(22) 01.11.2011
(54) COMMUNICATION EQUIPMENT FOR SECURE COMMUNICATION
(73) Savox Communications Oy Ab (Ltd)
(72) AURANEN, Pasi

(51) H04W 12/06
H04L 29/06
H04L 9/32
(11) EP2879421
(21) EP13823645.0
(47) 11.09.2019
(87) CN2013079552
30.01.2014
(22) 17.07.2013
(54) TERMINAL IDENTITY VERIFICATION AND SERVICE AUTHENTICATION METHOD, SYSTEM, AND TERMINAL
(73) ZTE Corporation
(72) JIANG, Xiao
(31) 201210257464
(32) 24.07.2012
(33) China

(51) H04W 12/06
H04W 12/04
H04L 9/32
H04L 29/06
H04L 9/14
(11) EP3014945
(21) EP13888138.8
(47) 11.09.2019
(87) IB2013055217
31.12.2014
(22) 25.06.2013
(54) DEVICE TO DEVICE COMMUNICATION SECURITY
(73) Nokia Technologies Oy
(72) EKBERG, Jan-Erik
UUSITALO, Mikko Aleksi
LI, Zexian

(51) H04W 12/06
H04W 12/08
H04L 29/06
G06F 21/35
G06F 3/14
G06F 3/01
G06F 3/041
H04M 19/04
H04L 29/08
H04W 88/02
(11) EP3001714
(21) EP15167065.0
(47) 11.09.2019
(22) 11.05.2015
(54) SYSTEM FOR RELEASING A LOCK STATE OF A MOBILE TERMINAL USING A WEARABLE DEVICE
(73) LG Electronics Inc.
(72) Yim, Soyeon
Hyun, Juha
Lee, Jungbin
(31) 20140127960
(32) 24.09.2014
(33) Korea (Republic)

(51) H04W 12/08
H04L 29/06
H04W 84/20
H04W 12/06
(11) EP3141010
(21) EP15739085.7
(47) 11.09.2019
(87) US2015037549
30.12.2015
(22) 24.06.2015
(54) MESH NETWORK COMMISSIONING
(73) Google LLC
(72) TURON, Martin, A.
ERICKSON, Grant, M.
BOROSS, Christopher, A.
LOGUE, Jay, D.
(31) 201462016450 P
201462063135 P
201562115601 P
201562141853 P
(32) 24.06.2014
13.10.2014
12.02.2015
02.04.2015
(33) United States of America
United States of America
United States of America
United States of America

(51) H04W 12/12
H04L 29/06
G06F 21/41
G06F 21/44
(11) EP3272093
(21) EP16711449.5
(47) 11.09.2019
(87) US2016021128
29.09.2016
(22) 07.03.2016
(54) METHOD AND SYSTEM FOR ANTI-PHISHING USING SMART IMAGES
(73) Oracle International Corporation
(72) ANANTHARAJU, Girish
(31) 201514663555
(32) 20.03.2015
(33) United States of America

(51) H04W 16/14
H04L 5/00
H04W 84/04
H04W 76/15
(11) EP3251391
(21) EP15798004.6
(47) 11.09.2019
(87) EP2015076855
04.08.2016
(22) 17.11.2015
(54) CO-PRIMARY SPECTRUM SHARING FOR 4G/5G SMALL CELL BASE STATIONS WITH LONG TERM FAIRNESS CRITERIA
(73) Nokia Solutions and Networks Oy
(72) LUOTO, Petri
SAMARAKOON, Sumudu
BENNIS, Mehdi
(31) 201514605052
(32) 26.01.2015
(33) United States of America

(51) H04W 16/14
H04W 88/02
H04W 24/08
H04W 24/10
H04W 72/04
H04W 88/06
H04W 88/10
H04B 17/24
H04B 17/309
H04B 17/318
H04B 17/382
(11) EP3094126
(21) EP16172589.0
(47) 11.09.2019
(22) 11.01.2013
(54) RADIO TERMINAL, RADIO STATION AND METHODS
(73) NEC Corporation
(72) FUTAKI, Hisashi
AMINAKA, Hiroaki
SUGAHARA, Hiroto
KAKURA, Yoshikazu
MURAOKA, Kazushi
(31) 2012102336
(32) 27.04.2012
(33) Japan

(51) H04W 16/20
H04W 24/10
H04W 24/02
H04W 24/08
(11) EP3105953
(21) EP14795686.6
(47) 11.09.2019
(87) SE2014051180
20.08.2015
(22) 08.10.2014
(54) A METHOD FOR COVERAGE DETERMINATION USING PREDEFINED PATHS
(73) Guangdong OPPO Mobile Telecommunications Corp., Ltd.
(72) GUNNARSSON, Fredrik
BÄCKSTRÖM, Claes
O'MEARA, Jimmy
HAGERMAN, Bo

(31) 201461938379 P
(32) 11.02.2014
(33) United States of America

(51) H04W 16/26
H04W 16/04
H04W 16/28
H04W 84/04
(11) EP2803220
(21) EP13700807.4
(47) 11.09.2019
(87) US2013020494
18.07.2013
(22) 07.01.2013
(54) WIRELESS COMMUNICATION SYSTEM OF RELAYING DATA
(73) Alcatel Lucent
(72) TULINO, Antonia
FOSCHINI, Gerard
VALENZUELA, Reinaldo
(31) 201213350364
(32) 13.01.2012
(33) United States of America

(51) H04W 24/04
(11) EP2713657
(21) EP11867556.0
(47) 11.09.2019
(87) CN2011077790
13.12.2012
(22) 29.07.2011
(54) METHOD AND APPARATUS FOR CONTROLLING ACCESS NETWORK DEVICE, AND ACCESS NETWORK CONTROL DEVICE
(73) Huawei Technologies Co., Ltd.
(72) ZHU, Jiang
YANG, Kai
YANG, Zezhan
ZENG, Yongmei

(51) H04W 24/04
H04W 88/14
(11) EP2687045
(21) EP12711314.0
(47) 11.09.2019
(87) US2012029583
27.09.2012
(22) 18.03.2012
(54) SYSTEM AND METHOD FOR FAILOVER RECOVERY AT GEO-REDUNDANT GATEWAYS
(73) Alcatel Lucent
(72) KOMPELLA, Vachaspati, P.
SINHA, Satyam
MULEY, Praveen, Vasant
NELAKONDA, Sathyender
(31) 201161454328 P
(32) 18.03.2011
(33) United States of America

(51) H04W 24/06
H04W 24/08
(11) EP3277016
(21) EP16181857.0
(47) 11.09.2019
(22) 29.07.2016
(54) MEASUREMENT SYSTEM AND A METHOD
(73) Rohde & Schwarz GmbH & Co. KG
(72) MEHRGARDT, Philip

(51) H04W 24/06
H04W 24/08
H04B 17/19
(11) EP3319362
(21) EP16197240.1
(47) 11.09.2019
(22) 04.11.2016
(54) COMMUNICATION DEVICE AND TESTING METHOD
(73) Rohde & Schwarz GmbH & Co. KG
(72) Mylsamy, RaajaGuru

(51) H04W 24/08
H04L 29/06
H04L 12/26
(11) EP3086593
(21) EP15382193.9
(47) 11.09.2019
(22) 20.04.2015
(54) NETWORK ENTITY AND METHOD FOR MONITORING AN IMS-BASED SERVICE
(73) Vodafone IP Licensing Limited
(72) MARTÍNEZ PEREA, Rogelio

(51) H04W 24/10
(11) EP2871889
(21) EP12882177.4
(47) 11.09.2019
(87) CN2012079424
06.02.2014
(22) 31.07.2012
(54) TERMINAL SELECTION METHOD, NETWORK ENTITY, AND SYSTEM BASED ON SELF-ORGANIZING NETWORKS
(73) Huawei Technologies Co., Ltd.
(72) ZHANG, Kai
SONG, Ping
ZHAO, Dong

(51) H04W 24/10
H04B 7/06
(11) EP2695418
(21) EP12713151.4
(47) 11.09.2019
(87) EP2012056452
11.10.2012
(22) 10.04.2012
(54) REFERENCE SIGNAL PORT DISCOVERY INVOLVING TRANSMISSION POINTS
(73) Nokia Solutions and Networks Oy
(72) LUNTTILA, Timo, Erkki
HUGL, Klaus
RIBEIRO, Cassio
(31) 201113066227
(32) 08.04.2011
(33) United States of America

(51) H04W 24/10
H04L 25/02
H04L 5/00
H04B 7/04
H04W 24/08
H04W 84/04
(11) EP2925042
(21) EP13856268.1
(47) 11.09.2019
(87) CN2013086994
30.05.2014
(22) 13.11.2013
(54) METHOD, SYSTEM, AND DEVICE FOR TRANSMITTING PREAMBLE SIGNAL AND FOR SIGNAL MEASUREMENT
(73) China Academy of Telecommunications Technology
(72) GAO, Qiubin
(31) 201210476801
(32) 20.11.2012
(33) China

(51) H04W 28/02
H04B 7/26
H04W 72/12
(11) EP3120607
(21) EP15764638.1
(47) 11.09.2019
(87) KR2015002683
24.09.2015
(22) 19.03.2015
(54) METHOD AND APPARATUS FOR CONFIGURING BUFFER STATUS REPORT FOR PUBLIC SAFETY TRANSMISSION IN WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) LEE, Youngdae
JUNG, Sunghoon
(31) 201461955780 P
(32) 19.03.2014
(33) United States of America

(51) H04W 28/04
H04W 28/10
H04W 76/15
H04W 24/04
H04W 28/08
H04L 12/703
(11) EP2802168
(21) EP13733767.1
(47) 11.09.2019
(87) CN2013070115
11.07.2013
(22) 06.01.2013
(54) METHOD AND DEVICE FOR TRANSMITTING DATA
(73) Huawei Technologies Co., Ltd.
(72) JIANG, Yi
QUAN, Wei
ZHANG, Jian
ZHANG, Peng
HAN, Guanglin
(31) 201210002978
(32) 06.01.2012
(33) China

(51) H04W 28/08
H04W 28/18
H04W 48/18
H04W 76/10
(11) EP3094132
(21) EP16156692.2
(47) 11.09.2019
(22) 27.05.2011
(54) SYSTEM FOR IMPLEMENTING MULTIPLE RADIO ACCESS NETWORKS (RANS) CONVERGENCE AND METHOD THEREOF
(73) Huawei Technologies Co., Ltd.
(72) LI, Bingzhao
CHEN, Yanyan
LV, Chunchun

CHEN, Qucai
(31) 201010246658
(32) 26.07.2010
(33) China

(51) H04W 28/16
H04W 16/28
H04W 52/34
H04W 92/20
H04W 52/40
H04W 52/46
H04W 52/54
H04W 52/24
H04W 52/28
(11) EP3065458
(21) EP14858572.2
(47) 11.09.2019
(87) JP2014078243
07.05.2015
(22) 23.10.2014
(54) BASE STATION
(73) Kyocera Corporation
(72) FUJISHIRO, Masato
YAMAZAKI, Chiharu
(31) 2013224773
(32) 29.10.2013
(33) Japan

(51) H04W 28/20
H04J 13/00
H04W 52/12
H04W 52/20
H04W 72/00
G10L 19/16
(11) EP2777319
(21) EP12791914.0
(47) 11.09.2019
(87) US2012063895
16.05.2013
(22) 07.11.2012
(54) SUPPORTING VOICE FOR FLEXIBLE BANDWIDTH SYSTEMS
(73) Qualcomm Incorporated
(72) DAS, Soumya
DURAL, Ozgur
PARK, Edwin C.
SONG, Bongyong
SOLIMAN, Samir Salib
HUANG, Yuheng
(31) 201161556777 P
201161568742 P
201261621151 P
201213491510
(32) 07.11.2011
09.12.2011
06.04.2012
07.06.2012
(33) United States of America
United States of America
United States of America
United States of America

(51) H04W 36/00
(11) EP2556699
(21) EP11713365.2
(47) 11.09.2019
(87) IB2011051079
13.10.2011
(22) 15.03.2011
(54) METHOD FOR FAST LINK LAYER HANDOFF IN HETEROGENEOUS NETWORKS
(73) Koninklijke Philips N.V.
(72) SCHMITT, Ruediger
(31) 321162 P
(32) 06.04.2010
(33) United States of America

(51) H04W 36/00
H04B 7/02
(11) EP2563065
(21) EP11782940.8
(47) 11.09.2019
(87) CN2011074219
24.11.2011
(22) 18.05.2011
(54) METHOD AND DEVICE FOR UPDATING COORDINATED MULTI-POINT TRANSMISSION SET
(73) Huawei Technologies Co., Ltd.
(72) FENG, Li
CHEN, Jun
ZHENG, Xiaoxiao
CHEN, Dong
(31) 201010184069
(32) 20.05.2010
(33) China

(51) H04W 36/00
H04B 7/06
H04B 7/04
(11) EP3065460
(21) EP14865455.1
(47) 11.09.2019
(87) CN2014092278
04.06.2015
(22) 26.11.2014
(54) METHOD AND DEVICE FOR SWITCHING TRANSMISSION MODE
(73) Huawei Technologies Co., Ltd.
(72) HU, Wenquan
ZHAO, Weijie
HUA, Meng
(31) 201310608605
(32) 26.11.2013
(33) China

(51) H04W 36/00
H04W 4/18
H04W 76/22
H04L 29/06
(11) EP2782386
(21) EP12850347.1
(47) 11.09.2019
(87) CN2012079781
23.05.2013
(22) 07.08.2012
(54) METHOD AND SYSTEM FOR SRVCC HANDOVER
(73) ZTE Corporation
(72) ZHANG, Lu
GAO, Yang
(31) 201110364959
(32) 17.11.2011
(33) China

(51) H04W 36/00
H04W 76/16
H04W 88/06
H04W 84/12
(11) EP3226612
(21) EP17163824.0
(47) 11.09.2019
(22) 30.03.2017
(54) METHOD AND APPARATUS FOR ENHANCING MOBILITY FOR 3GPP LTE-WLAN AGGREGATION IN WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) XU, Jian
BYUN, Daewook
(31) 201662317416 P
201662363856 P
(32) 01.04.2016
19.07.2016
(33) United States of America
United States of America

(51) H04W 36/02
H04W 72/12
H04W 76/14
(11) EP2914055
(21) EP13851844.4
(47) 11.09.2019
(87) JP2013077819
08.05.2014
(22) 11.10.2013
(54) MOBILE COMMUNICATION SYSTEM, USER TERMINAL, BASE STATION, PROCESSOR, AND COMMUNICATION CONTROL METHOD
(73) Kyocera Corporation
(72) YAMAZAKI, Chiharu
(31) 201261719623 P
(32) 29.10.2012
(33) United States of America

(51) H04W 36/12
H04W 28/24
H04L 12/24
H04M 15/00
H04L 29/12
H04L 12/701
(11) EP2597908
(21) EP11816066.2
(47) 11.09.2019
(87) CN2011077572
16.02.2012
(22) 25.07.2011
(54) POLICY CONTROL METHOD AND SYSTEM FOR A FIXED BROADBAND ACCESS NETWORK
(73) ZTE Corporation
(72) ZHOU, Xiaoyun
RUI, Tong
(31) 201010255023
(32) 12.08.2010
(33) China

(51) H04W 36/18
H04W 36/32
H04W 88/08
(11) EP3310096
(21) EP15899980.5
(47) 11.09.2019
(87) CN2015085810
09.02.2017
(22) 31.07.2015
(54) METHOD AND APPARATUS FOR DYNAMICALLY COMBINING CELLS
(73) Huawei Technologies Co., Ltd.
(72) GU, Zilong

LI, Songtao

(51) H04W 36/22
H04W 36/14
H04W 36/38
H04W 36/00
H04W 36/30
H04W 24/06
H04L 5/00
H04L 12/26
H04W 88/10
(11) EP3066868
(21) EP13897127.0
(47) 11.09.2019
(87) SE2013051309
14.05.2015
(22) 07.11.2013
(54) MEASUREMENTS ON LTE FOR CSFB RAT PRIORITIZATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ALONSO-RUBIO, Jose
GOMEZ, Carlos Manuel
PARSONS, Eric

(51) H04W 36/24
H04W 36/14
H04W 52/02
H04W 88/06
(11) EP3005798
(21) EP14808258.9
(47) 11.09.2019
(87) US2014040882
11.12.2014
(22) 04.06.2014
(54) MECHANISM TO ENABLE WIFI OFFLOAD BASED ON POWER PREFERENCE OF USER EQUIPMENT
(73) Intel Corporation
(72) KOC, Ali T.
GUPTA, Maruti
JHA, Satish Chandra
VANNITHAMBY, Rath
(31) 201361832644 P
201314109283
(32) 07.06.2013
17.12.2013
(33) United States of America
United States of America

(51) H04W 36/32
(11) EP2728937
(21) EP12817906.6
(47) 11.09.2019
(87) CN2012079145
31.01.2013
(22) 25.07.2012
(54) CELL CHANGING METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) WANG, Shukun
LEGG, Peter
OLOFSSON, Henrik
WANG, Xuelong
(31) 201110208551
(32) 25.07.2011
(33) China

(51) H04W 40/24
H04L 12/721
H04W 84/18
(11) EP3041289
(21) EP14839078.4
(47) 11.09.2019
(87) JP2014067741
05.03.2015
(22) 03.07.2014
(54) INFORMATION PROCESSING DEVICE AND INFORMATION PROCESSING METHOD
(73) Sony Corporation
(72) WATANABE, Nobuhiko
SAKODA, Kazuyuki
FUJITA, Chihiro
IKENAGA, Yoshihiko
(31) 2013175287
(32) 27.08.2013
(33) Japan

(51) H04W 48/00
H04W 28/08
H04W 8/18
(11) EP3138307
(21) EP15785224.5
(47) 11.09.2019
(87) US2015028496
05.11.2015
(22) 30.04.2015
(54) OPTIMIZING CAPACITY EXPANSION IN A MOBILE NETWORK
(73) Affirmed Networks, Inc.
(72) TO, Philip
(31) 201461986462 P
(32) 30.04.2014
(33) United States of America

(51) H04W 48/08
G06F 1/16
H04W 12/06
(11) EP3255927
(21) EP15888196.1
(47) 11.09.2019
(87) CN2015076340
13.10.2016
(22) 10.04.2015
(54) METHOD AND DEVICE FOR ACCESSING WI-FI NETWORK
(73) Huawei Technologies Co., Ltd.
(72) ZHANG, Qinliang
ZHU, Yu

(51) H04W 48/08
H04W 68/00
H04W 88/08
H04W 88/02
H04W 8/00
(11) EP3100522
(21) EP15743767.4
(47) 11.09.2019
(87) US2015013282
06.08.2015
(22) 28.01.2015
(54) ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS
(73) Intel IP Corporation
(72) MISKIEWICZ, Anna
ROESSEL, Sabine
ZAUS, Robert
(31) 201461933858 P
201414497913
(32) 30.01.2014
26.09.2014
(33) United States of America
United States of America

(51) H04W 48/16
H04W 36/08
H04W 8/00
(11) EP3264828
(21) EP15885850.6
(47) 11.09.2019
(87) CN2015074969
29.09.2016
(22) 24.03.2015
(54) ACCESS POINT AUTOMATIC SWITCHING METHOD AND WIRELESS ROUTING DEVICE
(73) Huawei Technologies Co. Ltd.
(72) YU, Shangchun

(51) H04W 48/18
H04W 36/00
H04W 76/15
H04W 76/16
(11) EP3099115
(21) EP14880286.1
(47) 11.09.2019
(87) CN2014071292
30.07.2015
(22) 23.01.2014
(54) COMMUNICATION SYSTEM, TERMINAL AND COMMUNICATION METHOD
(73) Nanchang Coolpad Intelligent Technology Company Limited
(72) CHEN, Liwei

(51) H04W 48/18
H04W 84/04
H04W 84/10
(11) EP3119135
(21) EP16176316.4
(47) 11.09.2019
(22) 27.06.2016
(54) COMMUNICATION DEVICE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) ISHIHARA, Hiroyuki
SHIBUTA, Akira
IKEGAMI, Shinji
SUGIYAMA, Hirokazu
ENOKI, Takashi
SHIBATA, Kazuhide
NAGANO, Masayuki
(31) 2015141254
(32) 15.07.2015
(33) Japan

(51) H04W 48/20
H04W 48/08
H04W 36/00
H04W 36/32
(11) EP3262872
(21) EP16706049.0
(47) 11.09.2019
(87) US2016014959
01.09.2016
(22) 26.01.2016
(54) AN OPTIMIZED BARRED TIMER HANDLING IN HIGH-SPEED SCENARIO
(73) Qualcomm Incorporated
(72) YANG, Ming
ZHAO, Hui
DUAN, Long
MITTAL, Mukesh Kumar
(31) 201514630952

(32) 25.02.2015
(33) United States of America

(51) H04W 48/20
H04W 72/02
H04W 76/14
H04W 72/04
(11) EP3120504
(21) EP15764859.3
(47) 11.09.2019
(87) US2015021030
24.09.2015
(22) 17.03.2015
(54) DEVICE-TO-DEVICE COMMUNICATIONS APPARATUS AND METHODS
(73) Sharp Kabushiki Kaisha
(72) SHENG, Jia
YAMADA, Shohei
(31) 201461955010 P
(32) 18.03.2014
(33) United States of America

(51) H04W 52/02
H03M 1/00
H03M 1/12
H04L 25/00
H04L 25/02
(11) EP2978266
(21) EP15178307.3
(47) 11.09.2019
(22) 24.07.2015
(54) METHOD AND APPARATUS FOR LOW POWER OPERATION UTILIZING MULTIPLE ADCS WITH DIFFERENT PRECISIONS
(73) Samsung Electronics Co., Ltd
(72) RAMAKRISHNA, Sudhir
(31) 201462029205 P
201514622449
(32) 25.07.2014
13.02.2015
(33) United States of America
United States of America

(51) H04W 52/02
H04W 28/04
H04W 72/04
(11) EP3110212
(21) EP15751721.0
(47) 11.09.2019
(87) JP2015053262
27.08.2015
(22) 05.02.2015
(54) MOBILE COMMUNICATION SYSTEM AND USER EQUIPMENT DEVICE
(73) NTT DOCOMO, INC.
(72) UCHINO, Tooru
TAKEDA, Kazuki
TAKAHASHI, Hideaki
(31) 2014029795
(32) 19.02.2014
(33) Japan

(51) H04W 52/02
H04W 76/18
(11) EP3145250
(21) EP15793529.7
(47) 11.09.2019
(87) JP2015064076
19.11.2015
(22) 15.05.2015
(54) USER DEVICE, COMMUNICATION CONTROL DEVICE, AND METHOD FOR CONTROLLING REJECTION OF CALL DISPATCH
(73) NTT DOCOMO, INC.
(72) TANAKA, Itsuma
TAKEDA, Shinya
(31) 2014102867
(32) 16.05.2014
(33) Japan

(51) H04W 52/02
H04W 76/18
H04W 36/14
(11) EP2680642
(21) EP12760953.5
(47) 11.09.2019
(87) CN2012070222
27.09.2012
(22) 11.01.2012
(54) COMMUNICATION METHOD, NETWORK EQUIPMENT AND COMMUNICATION SYSTEM FOR MULTIMODAL NETWORK
(73) Huawei Technologies Co., Ltd.
(72) ZHAO, Yang
WANG, Jiyong
(31) 201110069184
(32) 22.03.2011
(33) China

(51) H04W 52/04
H04W 52/14
(11) EP3229532
(21) EP14908724.9
(47) 11.09.2019
(87) CN2014094698
30.06.2016
(22) 23.12.2014
(54) POWER ALLOCATION METHOD AND COMMUNICATION DEVICE
(73) Huawei Technologies Co., Ltd.
(72) SUN, Wei
LV, Yongxia
WEN, Ronghui

(51) H04W 52/36
(11) EP3120628
(21) EP15703675.7
(47) 11.09.2019
(87) US2015012419
24.09.2015
(22) 22.01.2015
(54) COMPRESSED MODE WITH DCH ENHANCEMENTS
(73) Qualcomm Incorporated
(72) AKKARAKARAN, Sony
RAZAGHI, Peyman
SAMBHWANI, Sharad Deepak
(31) 201461969004 P
201461991376 P
201462020786 P
201514602034
(32) 21.03.2014
09.05.2014
03.07.2014
21.01.2015
(33) United States of America
United States of America
United States of America
United States of America

(51) H04W 52/36
(11) EP2437554
(21) EP11183269.7
(47) 11.09.2019
(22) 29.09.2011
(54) Method of performing power headroom reporting and communication device thereof
(73) Acer Incorporated
(72) Wang, Chun-Yen
Lin, Shiang-Jiun
Lin, Tzu-Ming
Chen, Chun-Chia
(31) 388801 P
201113235525
(32) 01.10.2010
19.09.2011
(33) United States of America
United States of America

(51) H04W 52/36
H04W 52/18
H04J 11/00
H04W 52/34
H04L 5/14
H04L 5/00
H04W 72/04
H04W 52/24
(11) EP3021622
(21) EP14822852.1
(47) 11.09.2019
(87) JP2014067385
15.01.2015
(22) 30.06.2014
(54) TERMINAL DEVICE, BASE STATION DEVICE, COMMUNICATION METHOD AND INTEGRATED CIRCUIT
(73) Sharp Kabushiki Kaisha
(72) AIBA Tatsushi
SUZUKI Shoichi
YOKOMAKURA Kazunari
(31) 2013143429
2013148164
(32) 09.07.2013
17.07.2013
(33) Japan
Japan

(51) H04W 52/42
H04W 52/24
H04B 17/00
(11) EP3407650
(21) EP18184789.8
(47) 11.09.2019
(22) 28.01.2015
(54) POWER ALLOCATION IN DISTRIBUTED ANTENNA SYSTEMS BASED ON KEY PERFORMANCE INDICATORS
(73) Commscope Technologies LLC
(72) WILLIAMSON, Michael J.
(31) 201461933751 P
(32) 30.01.2014
(33) United States of America

(51) H04W 64/00
G01S 5/02
(11) EP3116272
(21) EP15768738.5
(47) 11.09.2019
(87) CN2015075015
01.10.2015
(22) 25.03.2015

(54) LOCATING METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) CHEN, Xueliang
XIE, Yong
(31) 201410123659
(32) 28.03.2014
(33) China

(51) H04W 68/00
H04N 21/422
H04W 76/15
H04W 36/00
H04W 36/06
G08C 17/02
H04W 36/20
H04W 84/10
H04W 84/18
H04N 21/41
(11) EP2850892
(21) EP13741894.3
(47) 11.09.2019
(87) US2013041538
21.11.2013
(22) 17.05.2013
(54) CONTROLLING COMMUNICATION MODE CHANGES IN A COMMUNICATION SYSTEM
(73) Bose Corporation
(72) TARR, Morton
HEALY, Alexander
(31) 201213475064
(32) 18.05.2012
(33) United States of America

(51) H04W 72/00
H04B 1/713
(11) EP2735202
(21) EP12741445.6
(47) 11.09.2019
(87) US2012047633
31.01.2013
(22) 20.07.2012
(54) DYNAMIC COMMON BROADCAST SCHEDULE PARAMETERS FOR OVERLAYING AN INDEPENDENT UNICAST SCHEDULE
(73) Cisco Technology, Inc.
(72) VASSEUR, Jean-Philippe
HUI, Jonathan, W.
(31) 201113188559
(32) 22.07.2011
(33) United States of America

(51) H04W 72/02
H04L 5/00
H04L 5/14
(11) EP3051896
(21) EP14849473.5
(47) 11.09.2019
(87) CN2014087510
02.04.2015
(22) 26.09.2014
(54) PBCH TRANSMISSION METHOD, AND DEVICE
(73) China Academy of Telecommunications Technology
(72) XU, Weijie
PAN, Xueming
SHEN, Zukang
XING, Yanping
JIA, Minli
(31) 201310452085
(32) 27.09.2013
(33) China

(51) H04W 72/04
H04L 5/00
H04W 48/08
(11) EP3038405
(21) EP14794018.3
(47) 11.09.2019
(87) CN2014077785
13.11.2014
(22) 19.05.2014
(54) METHOD, BASE STATION AND MTC TERMINAL FOR TRANSMITTING SYSTEM INFORMATION TO MTC TERMINALS
(73) ZTE Corporation
(72) FANG, Huiying
DAI, Bo
XIA, Shuqiang
SHI, Jing
LI, Xincai
(31) 201310444481
(32) 26.09.2013
(33) China

(51) H04W 72/04
H04W 72/12
H04W 76/10
(11) EP3113566
(21) EP15756039.2
(47) 11.09.2019
(87) KR2015001756
03.09.2015
(22) 24.02.2015
(54) METHOD OF TRANSMITTING SCHEDULING ASSIGNMENTS FOR DEVICE-TO-DEVICE COMMUNICATION BY A USER EQUIPMENT IN A WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) SEO, Hanbyul
(31) 201461945793 P
201461951513 P
201461968338 P
201462014704 P
201462021679 P
201462040385 P
(32) 27.02.2014
11.03.2014
20.03.2014
20.06.2014
07.07.2014
21.08.2014
(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) H04W 72/04
H04W 84/12
H04W 72/08
(11) EP3017643
(21) EP14742683.7
(47) 11.09.2019
(87) US2014045250
08.01.2015
(22) 02.07.2014
(54) MULTI-BAND METHODS FOR INTERFERENCE LIMITED WIRELESS LOCAL AREA NETWORK SYSTEMS
(73) Interdigital Patent Holdings, Inc.
(72) LOU, Hanqing
OTERI, Oghenekome
GHOSH, Monisha
XIA, Pengfei
OLESEN, Robert, L.
(31) 201361842868 P
(32) 03.07.2013
(33) United States of America

(51) H04W 72/08
H04L 12/801
H04L 12/911
H04L 12/919
H04L 12/927
(11) EP1938528
(21) EP06814998.8
(47) 11.09.2019
(87) US2006036583
29.03.2007
(22) 19.09.2006
(54) PROVISION OF QOS TREATMENT BASED UPON MULTIPLE REQUESTS
(73) Qualcomm Incorporated
(72) PARK, Vincent
MAZIK, David
(31) 718363 P
796653 P
486654
(32) 19.09.2005
01.05.2006
14.07.2006
(33) United States of America
United States of America
United States of America

(51) H04W 72/12
(11) EP3141063
(21) EP14728465.7
(47) 11.09.2019
(87) EP2014059490
12.11.2015
(22) 08.05.2014
(54) RESOURCE ALLOCATION SYSTEM AND METHOD ADAPTED TO IMPLEMENT DEVICE-TO-DEVICE COMMUNICATIONS IN WIRELESS COMMUNICATION NETWORKS
(73) Telecom Italia S.p.A.
(72) CARETTI, Marco
NARDINI, Giovanni
ROSSALI, Andrea
SABELLA, Dario
STEA, Giovanni
VIRDIS, Antonio

(51) H04W 72/12
H04L 1/16
H04L 12/18
H04W 72/00
(11) EP2033373
(21) EP07798845.9
(47) 11.09.2019
(87) US2007071702
27.12.2007
(22) 20.06.2007
(54) MULTICAST/BROADCAST REPORTING FOR WIRELESS NETWORKS

(73) QUALCOMM Incorporated
(72) TENNY, Nathan, Edward
CASACCIA, Lorenzo
(31) 815298 P
760645
(32) 20.06.2006
08.06.2007
(33) United States of America
United States of America

(51) H04W 72/12
H04L 5/00
(11) EP3375240
(21) EP15798239.8
(47) 11.09.2019
(87) IB2015058652
18.05.2017
(22) 09.11.2015
(54) FEEDBACK ASSISTED DOWNLINK CONTROL CHANNEL CONFIGURATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) GIBSON, Scott
LARIJANI, Parsa
MAH, Roger

(51) H04W 72/12
H04W 28/02
H04W 52/02
H04W 72/04
H04L 12/801
H04L 12/851
H04L 12/823
H04W 76/28
(11) EP2982215
(21) EP14820309.4
(47) 11.09.2019
(87) CN2014081590
08.01.2015
(22) 03.07.2014
(54) TRAFFIC SHAPING MECHANISM FOR UE POWER SAVING IN IDLE MODE
(73) HFI Innovation Inc.
(72) HSU, Chia-Chun
CHOU, Chie-Ming
(31) 201361842466 P
201361842459 P
201414320894
(32) 03.07.2013
03.07.2013
01.07.2014
(33) United States of America
United States of America
United States of America

(51) H04W 72/12
H04W 74/00
H04W 74/08
(11) EP3282799
(21) EP16796290.1
(47) 11.09.2019
(87) JP2016063394
24.11.2016
(22) 28.04.2016
(54) WIRELESS TERMINAL, BASE STATION AND METHOD
(73) KYOCERA Corporation
(72) FUJISHIRO, Masato
MORITA, Kugo
ADACHI, Hiroyuki
FUKUTA, Noriyoshi
(31) 201562162184 P
(32) 15.05.2015
(33) United States of America

(51) H04W 74/00
H04W 4/00
(11) EP3114895
(21) EP14708873.6
(47) 11.09.2019
(87) EP2014054496
11.09.2015
(22) 07.03.2014
(54) HANDLING MESSAGES
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) RÖNNEKE, Hans

(51) H04W 74/00
H04W 74/08
H04W 28/26
H04W 16/14
(11) EP3167674
(21) EP15819311.0
(47) 11.09.2019
(87) KR2015007267
14.01.2016
(22) 13.07.2015
(54) METHOD AND APPARATUS FOR TRANSMITTING WI-FI SIGNALS IN UNLICENSED SPECTRUM IN WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) YI, Yunjung
YOU, Hyangsun
KIM, Byounghoon
(31) 201462023195 P
201462033667 P
(32) 11.07.2014
06.08.2014
(33) United States of America
United States of America

(51) H04W 74/08
(11) EP3131353
(21) EP14890510.2
(47) 11.09.2019
(87) CN2014076451
05.11.2015
(22) 29.04.2014
(54) RESOURCE REUSE APPARATUS AND METHOD
(73) Huawei Technologies Co., Ltd.
(72) ZHANG, Xingwei
LI, Chao

(51) H04W 74/08
(11) EP3354101
(21) EP15771560.8
(47) 11.09.2019
(87) EP2015071856
30.03.2017
(22) 23.09.2015
(54) CONTENTION WINDOW ADJUSTMENT IN UNLICENSED CELLULAR RADIO NETWORK
(73) Sony Mobile Communications Inc.
(72) LJUNG, Rickard

(51) H04W 74/08
H04J 13/00
H04W 48/12
H04W 74/00
(11) EP2119059
(21) EP07851464.3
(47) 11.09.2019
(87) KR2007006493
21.08.2008
(22) 13.12.2007
(54) METHODS FOR HIGH SPEED MOBILE TERMINAL ACCESS
(73) LG Electronics Inc.
(72) VUJCIC, Dragan
KWON, Yeong-Hyeon
(31) 889520 P
(32) 12.02.2007
(33) United States of America

(51) H04W 74/08
H04W 4/70
(11) EP3289822
(21) EP16718664.2
(47) 11.09.2019
(87) EP2016059218
03.11.2016
(22) 26.04.2016
(54) ROBUST SELECTION OF PRACH REPETITION LEVEL FOR MTC ENHANCED COVERAGE
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) AXMON, Joakim
LINDOFF, Bengt
WALLÉN, Anders
THANGARASA, Santhan
(31) 201562153339 P
201615134861
(32) 27.04.2015
21.04.2016
(33) United States of America
United States of America

(51) H04W 74/08
H04W 52/24
(11) EP3412098
(21) EP16888674.5
(47) 11.09.2019
(87) CN2016073250
10.08.2017
(22) 03.02.2016
(54) A WIRELESS DEVICE, A FIRST ACCESS NODE AND METHODS THEREIN
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) LU, Qianxi
ERIKSSON, Erik
MIAO, Qingyu
WANG, Jianfeng

(51) H04W 74/08
H04W 56/00
H04W 84/18
(11) EP2560453
(21) EP12180728.3
(47) 11.09.2019
(22) 16.08.2012
(54) Method for network organization
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) Hupp, Jürgen
Windisch, Thomas
Flügel, Christian
(31) 102011081269
(32) 19.08.2011
(33) Germany

(51) H04W 76/10
H04L 29/06
H04L 29/08

H04L 12/701
H04L 29/12
(11) EP2790384
(21) EP14160855.4
(47) 11.09.2019
(22) 20.03.2014
(54) SECURE NETWORK TUNNEL BETWEEN A COMPUTING DEVICE AND AN ENDPOINT
(73) BlackBerry Limited
(72) Russell, Graham
Preiss, Bruno Richard
Puri, Ronesh
Sau, Jonathan Hong-Man
(31) 201313862171
(32) 12.04.2013
(33) United States of America

(51) H04W 76/14
H04W 12/06
H04W 84/12
(11) EP3217758
(21) EP15862753.9
(47) 11.09.2019
(87) CN2015095891
02.06.2016
(22) 28.11.2015
(54) ESTABLISHMENT OF A WIRELESS CONNECTION BETWEEN A FIRST DEVICE AND A SECOND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) LI, Xiaoxian
FANG, Ping
DING, Zhiming
CHEN, Ji
CHEN, Wang
(31) 201410709374
(32) 28.11.2014
(33) China

(51) H04W 76/14
H04W 76/11
H04W 72/04
(11) EP3014940
(21) EP14816808.1
(47) 11.09.2019
(87) KR2014005782
31.12.2014
(22) 30.06.2014
(54) METHOD AND APPARATUSES FOR PERFORMING DEVICE-TO-DEVICE COMMUNICATION
(73) Samsung Electronics Co., Ltd
(72) AGIWAL, Anil
CHANG, Young-Bin
(31) 782KO2013
20140079486
(32) 28.06.2013
27.06.2014
(33) India
Korea (Republic)

(51) H04W 76/15
(11) EP1774816
(21) EP04763518.0
(47) 11.09.2019
(87) EP2004008381
02.02.2006
(22) 27.07.2004
(54) VIDEO-COMMUNICATION IN MOBILE NETWORKS
(73) Telecom Italia S.p.A.
(72) FRANCESCHINI, Daniele
MAGNANI, Nicola, Pio
CALVI, Andrea

(51) H04W 76/19
H04W 76/38
(11) EP2787766
(21) EP12867110.4
(47) 11.09.2019
(87) CN2012087684
08.08.2013
(22) 27.12.2012
(54) METHOD AND TERMINAL FOR PROCESSING DATA TRANSMISSION SERVICE
(73) ZTE Corporation
(72) SUN, Changjiang
(31) 201210024555
(32) 03.02.2012
(33) China

(51) H04W 88/02
G06Q 10/10
H04M 1/725
G06F 16/9032
(11) EP3193559
(21) EP15866503.4
(47) 11.09.2019
(87) CN2015085601
16.06.2016
(22) 30.07.2015
(54) INFORMATION PROCESSING METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) GAO, Wenmei
JING, Hao
WANG, Yahui
LI, Xiaojuan
JIANG, Hongrui
WANG, Xiyong
(31) PCT/CN2014/093355
(32) 09.12.2014
(33) World Intellectual Property Office (WIPO)

(51) H04W 88/02
H04B 7/08
H04W 72/12
H04W 88/06
(11) EP2852245
(21) EP14179879.3
(47) 11.09.2019
(22) 08.05.2007
(54) Multiradio control interface element in modem
(73) Nokia Technologies Oy
(72) Kasslin, Mika
Kiukkonen, Niko
Palin, Arto
Wijting, Carl
(31) 431706
(32) 11.05.2006
(33) United States of America

(51) H04W 88/04
H04W 76/14
H04W 4/80
(11) EP3200481
(21) EP17161669.1
(47) 11.09.2019
(22) 30.03.2011
(54) METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR PROVIDING MOBILE SERVICES OUTSIDE OF CELLULAR COVERAGE
(73) Nokia Technologies Oy
(72) OKSANEN, Markku
KAAJA, Jari-Jukka
JANTUNEN, Joni
(31) 329755 P
(32) 30.04.2010
(33) United States of America

(51) H04W 88/06
H04W 84/18
H04W 52/02
H04B 1/40
H04Q 1/28
H04W 4/70
(11) EP3113374
(21) EP15751791.3
(47) 11.09.2019
(87) JP2015000650
27.08.2015
(22) 13.02.2015
(54) REDUCTION OF THE TIME TO START UP A SECOND COMMUNICATION UNIT
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) NISHIO, Akihiko
HOSHIBA, Keitaro
KURITA, Masanori
MATSUMOTO, Kazuhiro
NAGATA, Masahiro
KOHROGI, Takeshi
(31) 2014033189
(32) 24.02.2014
(33) Japan

(51) H04W 88/08
H04W 24/02
H04L 12/54
H04W 28/08
H04W 84/04
H04W 84/22
H04W 88/10
H04W 88/16
H04W 92/02
H04W 92/04
H04W 92/12
H04W 48/08
H04W 60/00
(11) EP2506657
(21) EP12173410.7
(47) 11.09.2019
(22) 28.07.2006
(54) Automatic base station configuration
(73) Cisco Technology, Inc.
(72) Keevill, Peter
Byrne, Richard
Franks, William
(31) 0515888
0610650
(32) 01.08.2005
30.05.2006
(33) United Kingdom
United Kingdom

(51) H04W 88/16
(11) EP3301997
(21) EP15897427.9
(47) 11.09.2019

(87) CN2015083358
12.01.2017
(22) 06.07.2015
(54) ENHANCED MULTIMEDIA BROADCAST AND MULTICAST SERVICE EMBMS SYSTEM AND MANAGEMENT METHOD THEREFOR
(73) Huawei Technologies Co., Ltd.
(72) HU, Weiqi

(51) H04W 92/02
H04W 88/16
H04W 80/02
H04W 28/06
(11) EP1980057
(21) EP07708708.8
(47) 11.09.2019
(87) KR2007000557
09.08.2007
(22) 01.02.2007
(54) METHOD FOR TRANSMITTING INFORMATION IN WIRELESS LOCAL AREA NETWORK SYSTEM
(73) LG Electronics Inc.
(72) KIM, Yong Ho
LEE, Jin
RYU, Ki Seon
KIM, Jeong Ki
(31) 20060009851
20060010936
20060011854
20060057429
20060063726
(32) 01.02.2006
04.02.2006
07.02.2006
26.06.2006
07.07.2006
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) H05B 3/42
A24F 47/00
(11) EP3188570
(21) EP17167626.5
(47) 11.09.2019
(22) 21.04.2017
(54) ATOMIZER OF ELECTRONIC CIGARETTE, CERAMIC HEATING ATOMIZING CORE AND CERAMIC HEATER THEREIN
(73) Shenzhen First Union Technology Co., Ltd.
(72) LI, Yonghai
XU, Zhongli
HU, Shuyun
(31) 201620343783 U
201620367554 U
(32) 22.04.2016
27.04.2016
(33) China
China

(51) H05B 3/74
G05D 23/19
(11) EP1391141
(21) EP02730211.6
(47) 11.09.2019
(87) EP2002004600
14.11.2002
(22) 25.04.2002
(54) METHOD AND DEVICE FOR LIMITING AND/OR CONTROLLING THE SURFACE TEMPERATURE OF A HOB
(73) BSH Hausgeräte GmbH
(72) STEINER, Herbert
RAMONES, Tonoha
ZSCHAU, Günter
BLUMENTHAL, Peter
HUBER, Johann
MARBACH, Andreas
ZERASCHI, Monika
STITZL, Bernd
FUCHS, Franz
NEUMAYER, Dan
GARCIA, Jose-Andres
SCHWEIDLER, Ernst
(31) 10122427
(32) 09.05.2001
(33) Germany

(51) H05B 6/04
H05B 6/06
H02M 7/00
(11) EP3395121
(21) EP16826190.7
(47) 11.09.2019
(87) JP2016005217
29.06.2017
(22) 22.12.2016
(54) INDUCTION HEATING POWER SUPPLY APPARATUS
(73) Neturen Co., Ltd.
(72) KANAI, Takahiko
SUGIMOTO, Masato
YOSHIDA, Haruki
(31) 2015251890
(32) 24.12.2015
(33) Japan

(51) H05B 6/06
(11) EP3028537
(21) EP14766215.9
(47) 11.09.2019
(87) IB2014063208
05.02.2015
(22) 18.07.2014
(54) COOKING HOB DEVICE
(73) BSH Hausgeräte GmbH
(72) GARDE ARANDA, Ignacio
GRACIA CAMPOS, Oscar
HERRERA RODRIGUEZ, Javier
LORENTE PEREZ, Alfonso
PEINADO ADIEGO, Ramon
SIN USE, Alberto Ignacio
(31) 201331189
(32) 31.07.2013
(33) Spain

(51) H05B 6/06
H05B 6/12
(11) EP2731403
(21) EP12811793.4
(47) 11.09.2019
(87) JP2012003931
17.01.2013
(22) 15.06.2012
(54) INDUCTION-HEATING COOKER AND PROGRAM THEREFOR
(73) Mitsubishi Electric Corporation
Mitsubishi Electric Home Appliance Co., Ltd.
(72) NINAGAWA, Hiromi
KAWATA, Yukio
KAMEOKA, Kazuhiro
(31) 2011151363
(32) 08.07.2011
(33) Japan

(51) H05B 6/06
H05B 6/12
H05B 3/68
(11) EP3028535
(21) EP14766213.4
(47) 11.09.2019
(87) IB2014063204
05.02.2015
(22) 18.07.2014
(54) COOKTOP DEVICE
(73) BSH Hausgeräte GmbH
(72) GARDE ARANDA, Ignacio
GELLA LOPEZ, Estefania
GRACIA CAMPOS, Oscar
HERRERA RODRIGUEZ, Javier
PEINADO ADIEGO, Ramon
SIN USE, Alberto Ignacio
TORRUBIA MARCO, Demetrio
(31) 201331187
(32) 31.07.2013
(33) Spain

(51) H05B 6/12
(11) EP3316663
(21) EP16195637.0
(47) 11.09.2019
(22) 25.10.2016
(54) INDUCTION HOB AND METHOD FOR CONTROLLING AN INDUCTION HOB
(73) Electrolux Appliances Aktiebolag
(72) HOFFMANN, Harald
HOLZINGER, Jochen
KLEIN, Gerhard

(51) H05B 6/12
(11) EP3384729
(21) EP16795092.2
(47) 11.09.2019
(87) EP2016077706
08.06.2017
(22) 15.11.2016
(54) INDUCTION COOKING HOB
(73) Electrolux Appliances Aktiebolag
(72) HOLZINGER, Jochen
HOFFMANN, Harald
(31) 15197403
(32) 02.12.2015
(33) European Patent Office (EPO)

(51) H05B 6/12
H05B 6/06
H01F 5/00
(11) EP3193562
(21) EP17152615.5
(47) 11.09.2019
(22) 26.03.2014
(54) INDUCTION COOKING HOB INCLUDING A NUMBER OF INDUCTION COILS
(73) Electrolux Appliances Aktiebolag
(72) LEIKAM, Juergen
HÄUTLE, Ulrich

LEYH, Björn

(51) H05B 6/38
C21D 1/42
C21D 9/00
H05B 6/10
B21D 7/024
F27D 11/06
F27D 11/12
B21D 7/16
C21D 9/08
H05B 6/36
(11) EP2900036
(21) EP13838162.9
(47) 11.09.2019
(87) JP2013074580
27.03.2014
(22) 11.09.2013
(54) HIGH-FREQUENCY INDUCTION HEATING DEVICE AND PROCESSING DEVICE
(73) Nippon Steel Corporation
(72) OKADA, Nobuhiro
TOMIZAWA, Atsushi
KUBOTA, Hiroaki
(31) 2012208601
(32) 21.09.2012
(33) Japan

(51) H05B 6/62
H05B 6/46
A61M 5/44
H05B 6/64
(11) EP3155873
(21) EP15807256.1
(47) 11.09.2019
(87) SE2015050495
17.12.2015
(22) 05.05.2015
(54) DETECTING LEAKAGE WHEN HEATING A PERISHABLE DIELECTRIC LOAD
(73) Antrad Medical AB
(72) DALHIELM, Oskar
WESTIN, Pierre
EKEMAR, Lars
MUNUKKA, Kari
(31) 1450703
(32) 10.06.2014
(33) Sweden

(51) H05B 33/08
(11) EP2974535
(21) EP14707768.9
(47) 11.09.2019
(87) EP2014054112
18.09.2014
(22) 04.03.2014
(54) LED DRIVER CIRCUIT
(73) Power Research Electronics B.v.
(72) SCHIJFFELEN, Jos H.
KARDOLUS, Menno
GRÖNINGER, Mark
VAN CASTEREN, Dolf
(31) 13158806
(32) 12.03.2013
(33) European Patent Office (EPO)

(51) H05B 33/08
(11) EP2916622
(21) EP15160578.9
(47) 11.09.2019
(22) 07.10.2010
(54) LED LIGHTING SYSTEM
(73) Delos Living, LLC
(72) Fontecchio, Adam, K.
Sheldon, Donald
Eisele, Eric, Jon
(31) 249858 P
(32) 08.10.2009
(33) United States of America

(51) H05B 33/08
(11) EP2519080
(21) EP12165662.3
(47) 11.09.2019
(22) 26.04.2012
(54) Illuminating apparatus and method thereof
(73) Paragon Semiconductor Lighting Technology Co., Ltd.
(72) Tai, Shih-Neng
Chung, Chia-Tin
(31) 100115247
(32) 29.04.2011
(33) Taiwan, Province of China

(51) H05B 33/08
(11) EP2440018
(21) EP11182851.3
(47) 11.09.2019
(22) 27.09.2011
(54) Automobile LED driving device
(73) Rohm Co., Ltd.
(72) Aoki, Akira
Miyamoto, Koji
(31) 2010218618
(32) 29.09.2010
(33) Japan

(51) H05B 33/08
F21V 29/70
(11) EP3113579
(21) EP15175023.9
(47) 11.09.2019
(22) 02.07.2015
(54) AN LED LIGHTING SYSTEM AND CONTROLLER, A METHOD OF CONTROLLING A PLURALITY OF LEDS, AND A COMPUTER PROGRAM THEREFOR
(73) NXP B.V.
(72) Sedzin, Aliaksei
Vlemmings, Marc

(51) H05B 33/08
F21Y 115/10
H02M 5/458
(11) EP3090605
(21) EP14820831.7
(47) 11.09.2019
(87) EP2014078379
09.07.2015
(22) 18.12.2014
(54) LIGHTING ARRANGEMENT
(73) Signify Holding B.V.
(72) VAN DER VOORT, Ronald Hans
DE BRUYCKER, Patrick Alouisius Martina
CVORIC, Dalibor
SAUERLÄNDER, Georg
ARULANDU, Kumar
(31) 14150055
(32) 02.01.2014
(33) European Patent Office (EPO)

(51) H05B 33/08
H02M 1/42
(11) EP2947963
(21) EP14176592.5
(47) 11.09.2019
(22) 10.07.2014
(54) Controller
(73) NXP B.V.
(72) Strijker, Joan Wichard
Van Den Broeke, Leendert
(31) 14169166
(32) 20.05.2014
(33) European Patent Office (EPO)

(51) H05B 33/08
H05B 37/02
H05B 39/04
(11) EP3180961
(21) EP15750284.0
(47) 11.09.2019
(87) EP2015067417
18.02.2016
(22) 29.07.2015
(54) A LIGHTING SYSTEM FOR A STADIUM
(73) Signify Holding B.V.
(72) KNIBBE, Engel, Johannes
STADLER, Florian
VAN HOOF, Willem, Piet
SIMPSON, Michael, David
(31) 14180993
(32) 14.08.2014
(33) European Patent Office (EPO)

(51) H05B 33/10
H05B 33/12
(11) EP3171672
(21) EP15195724.8
(47) 11.09.2019
(22) 20.11.2015
(54) LIGHT CAPABLE COATING SYSTEM AND AN OBJECT WITH AT LEAST ONE COATABLE SURFACE ARTICLE, PROVIDED WITH THE COATING SYSTEM, AND USE OF THE COATING SYSTEM FOR THE PRODUCTION OF LIGHT CAPABLE WALLS, FLOORS OR CEILINGS
(73) DAW SE
(72) Walter, Christian
Nickel, Oliver
Kairies, Stefan
Gengenbach, Patrick

(51) H05B 37/02
(11) EP2922370
(21) EP15160103.6
(47) 11.09.2019
(22) 20.03.2015
(54) Techniques and graphical user interface for controlling solid-state luminaire with electronically adjustable light beam distribution
(73) OSRAM SYLVANIA INC.
(72) Anthony, Mervyn
Holt, Jeffrey W.
Quilici, Michael A.
Ryu, Seung Cheol
(31) 201414221589
(32) 21.03.2014
(33) United States of America

(51) H05B 37/02

(11) EP3417677
(21) EP17703176.2
(47) 11.09.2019
(87) EP2017052811
24.08.2017
(22) 09.02.2017
(54) WIRELESS SWITCH
(73) Signify Holding B.V.
(72) DE JONG, Lambertus, Adrianus, Marinus
SCHAEFFER, Evert
DEIXLER, Peter
WILLAERT, Wouter, Lambertus, Petrus
HOOGENSTRAATEN, Richard
(31) 16156416
(32) 19.02.2016
(33) European Patent Office (EPO)

(51) H05B 37/02
G06F 3/0484
(11) EP3065511
(21) EP16158978.3
(47) 11.09.2019
(22) 07.03.2016
(54) SELECTING COLORS FOR A PLURALITY OF LIGHT FIXTURES
(73) Cooper Technologies Company
(72) HOLE, Jonathan Robert
(31) 201562129589 P
(32) 06.03.2015
(33) United States of America

(51) H05B 37/02
G08C 19/28
H04L 29/12
(11) EP2548415
(21) EP11713081.5
(47) 11.09.2019
(87) IB2011051028
22.09.2011
(22) 11.03.2011
(54) LIGHT SOURCE SELECTION
(73) Signify Holding B.V.
(72) YIANNI, George Frederic
DEN DULK, Jaco
PENNING DE VRIES, Hendricus Theodorus Gerardus Maria
VINKENVLEUGEL, Lucius Theodorus
(31) 10156995
(32) 19.03.2010
(33) European Patent Office (EPO)

(51) H05B 37/02
H04S 7/00
(11) EP3110236
(21) EP14883256.1
(47) 11.09.2019
(87) KR2014004280
27.08.2015
(22) 13.05.2014
(54) BALANCE ADJUSTMENT CONTROL METHOD FOR SOUND/ILLUMINATION DEVICES
(73) KSeek Co., Ltd.
(72) KIM, Young Real
KIM, Ju Sang
(31) 20140018962
(32) 19.02.2014
(33) Korea (Republic)

(51) H05B 37/02
H04W 64/00
(11) EP3375259
(21) EP16790904.3
(47) 11.09.2019
(87) EP2016075052
18.05.2017
(22) 19.10.2016
(54) SYSTEM AND METHOD FOR DETERMINING THE POSITION OF A MOBILE WARNING POST
(73) OSRAM GmbH
(72) FEIL, Henry
(31) 102015222471
(32) 13.11.2015
(33) Germany

(51) H05B 37/02
H05B 33/08
(11) EP2822360
(21) EP14175484.6
(47) 11.09.2019
(22) 02.07.2014
(54) Method for contact-free operation of a light by means of gesture control
(73) Mechaless Systems GmbH
(72) Hill, Uwe
Kilian, Markus
Vollmer, Lars
(31) 102013213162
(32) 04.07.2013
(33) Germany

(51) H05B 37/02
H05B 33/08
(11) EP3332611
(21) EP16747755.3
(47) 11.09.2019
(87) EP2016067803
16.02.2017
(22) 26.07.2016
(54) LIGHTING CONTROL
(73) Signify Holding B.V.
(72) KRAJNC, Hugo, Jose
MAGIELSE, Remco
(31) 15180219
(32) 07.08.2015
(33) European Patent Office (EPO)

(51) H05B 37/02
H05B 33/08
(11) EP3190863
(21) EP17156551.8
(47) 11.09.2019
(22) 10.03.2011
(54) LED SWITCH CIRCUITRY FOR VARYING INPUT VOLTAGE SOURCE
(73) Huizhou Light Engine Ltd.
(72) LEUNG, Wa-Hing
SIU, Johnny
(31) 373058 P
955030
201113035556
(32) 12.08.2010
29.11.2010
25.02.2011
(33) United States of America
United States of America
United States of America

(51) H05B 37/02
H05B 33/08
(11) EP2721905
(21) EP12728807.4
(47) 11.09.2019
(87) IB2012052773
20.12.2012
(22) 01.06.2012
(54) ROBUST DAYLIGHT INTEGRATION WITH THE AID OF CODED LIGHT.
(73) Signify Holding B.V.
(72) RIETMAN, Ronald
FERI, Lorenzo
VISSENBERG, Michel, Cornelis, Josephus, Marie
PASVEER, Willem, Franke
(31) 11170155
(32) 16.06.2011
(33) European Patent Office (EPO)

(51) H05B 37/02
H05B 33/08
G06F 3/03
(11) EP3125653
(21) EP16184649.8
(47) 11.09.2019
(22) 02.07.2014
(54) METHOD FOR CONTACT-FREE OPERATION OF A LIGHT BY MEANS OF GESTURE CONTROL
(73) Mechaless Systems GmbH
(72) Hill, Uwe
Kilian, Markus
Vollmer, Lars
(31) 102013213162
(32) 04.07.2013
(33) Germany

(51) H05B 37/02
H05B 33/08
G06F 3/03
(11) EP3125652
(21) EP16184646.4
(47) 11.09.2019
(22) 02.07.2014
(54) METHOD FOR CONTACT-FREE OPERATION OF A LIGHT BY MEANS OF GESTURE CONTROL
(73) Mechaless Systems GmbH
(72) Hill, Uwe
Kilian, Markus
Vollmer, Lars
(31) 102013213162
(32) 04.07.2013
(33) Germany

(51) H05B 37/03
G05B 19/408
G05B 23/02
(11) EP2873304
(21) EP13766686.3
(47) 11.09.2019
(87) IB2013055652
16.01.2014
(22) 10.07.2013
(54) SYSTEM AND METHOD FOR PROVIDING ADAPTIVE MEASUREMENT AND COORDINATED MAINTENANCE OF OUTDOOR LIGHTING SYSTEMS
(73) Signify Holding B.V.
(72) YANG, Yong
CAVALCANTI, Dave Alberto Tavares
(31) 201261669939 P
(32) 10.07.2012
(33) United States of America

(51) H05H 1/34
(11) EP3146805
(21) EP15727719.5
(47) 11.09.2019
(87) IB2015000702
26.11.2015
(22) 18.05.2015
(54) IMPROVED AIR COOLED PLASMA TORCH AND COMPONENTS THEREOF
(73) Lincoln Global, Inc.
(72) NAMBURU, Praveen Krishna
(31) 201414281818
(32) 19.05.2014
(33) United States of America

(51) H05H 1/46
H01J 37/32
(11) EP3360396
(21) EP16790660.1
(47) 11.09.2019
(87) FR2016052546
13.04.2017
(22) 04.10.2016
(54) ELEMENTARY DEVICE FOR PRODUCING A PLASMA HAVING A COAXIAL APPLICATOR AND PLASMA INSTALLATION WITH THIS DEVICE
(73) Sairem Societe Pour L'application Industrielle De La Recherche En Electronique Et Micro Ondes
(72) LATRASSE, Louis
RADOIU, Marilena
(31) 1559459
(32) 05.10.2015
(33) France

(51) H05K 1/02
H05K 1/11
H05K 3/00
H05K 3/46
H01R 12/72
(11) EP2667690
(21) EP12168996.2
(47) 11.09.2019
(22) 23.05.2012
(54) THREE-DIMENSIONAL CIRCUIT BOARD
(73) Tyco Electronics Belgium EC BVBA
Tyco Electronics Nederland B.V.
(72) Decrock, Lieven
Smink, Rutger
Van het Bolscher, Han
Campschroer, Dolf
Van Gils, Wijnand

(51) H05K 1/18
H05K 3/06
H05K 3/40
(11) EP2862424
(21) EP13729015.1
(47) 11.09.2019
(87) EP2013062091
19.12.2013
(22) 12.06.2013
(54) METHOD OF PRODUCING AN ELECTRONIC CIRCUIT WITH PROTECTION OF THE CONDUCTIVE LAYER
(73) Linxens Holding
(72) DIEU-GOMONT, Séverine
LECHLEITER, François
DE MAQUILLÉ, Yannick
(31) 1201701
(32) 14.06.2012
(33) France

(51) H05K 1/18
H05K 3/46
(11) EP2939506
(21) EP13830078.5
(47) 11.09.2019
(87) AT2013050260
03.07.2014
(22) 20.12.2013
(54) SEMI-FINISHED PRODUCT FOR THE PRODUCTION OF A PRINTED CIRCUIT BOARD AND METHOD FOR PRODUCING THE SAME
(73) AT & S Austria Technologie & Systemtechnik Aktiengesellschaft
(72) WANG, Vic
ZHOU, Ethan
BAI, Laura
TUOMINEN, Mikael
CHEN, Al
(31) 201210594386
(32) 31.12.2012
(33) China

(51) H05K 3/02
G03F 7/40
B05D 3/06
B05D 5/12
H05K 1/09
H05K 3/22
G03F 7/039
H05K 3/12
(11) EP2957155
(21) EP14751180.2
(47) 11.09.2019
(87) IL2014000014
21.08.2014
(22) 18.02.2014
(54) TWO-STEP, DIRECT- WRITE LASER METALLIZATION
(73) Orbotech Ltd.
(72) ZENOU, Michael
ALTMAN, Marc
ROTTMAN, Claudio
KOTLER, Zvi
(31) 201361765808 P
(32) 18.02.2013
(33) United States of America

(51) H05K 3/28
B29C 43/18
H05K 1/02
B29C 43/20
(11) EP2661159
(21) EP11853488.2
(47) 11.09.2019
(87) JP2011079191
05.07.2012
(22) 16.12.2011
(54) CIRCUIT BOARD AND METHOD OF MANUFACTURING SAME
(73) Kuraray Co., Ltd.
(72) OHMORI, Kazuyuki
SUNAMOTO, Tatsuya
(31) 2010289854
(32) 27.12.2010
(33) Japan

(51) H05K 3/40
H01G 2/06
H01G 4/002
H05K 1/02
H05K 1/18
(11) EP2832194
(21) EP13767275.4
(47) 11.09.2019
(87) US2013034289
03.10.2013
(22) 28.03.2013
(54) Z-DIRECTED PRINTED CIRCUIT BOARD COMPONENTS HAVING DIFFERENT DIELECTRIC REGIONS
(73) Lexmark International, Inc.
(72) HARDIN, Keith, Bryan
(31) 201213433349
(32) 29.03.2012
(33) United States of America

(51) H05K 5/00
H01L 23/24
H01L 23/057
(11) EP3186828
(21) EP15738019.7
(47) 11.09.2019
(87) EP2015065577
03.03.2016
(22) 08.07.2015
(54) MODULE ASSEMBLY AND TRANSMISSION CONTROL MODULE
(73) Robert Bosch GmbH
(72) LISKOW, Uwe
(31) 102014217351
(32) 29.08.2014
(33) Germany

(51) H05K 5/06
H05K 7/14
(11) EP2858469
(21) EP14187579.9
(47) 11.09.2019
(22) 03.10.2014
(54) Electronic enclosure device
(73) Valeo Powertrain Energy Conversion AS
(72) Spangberg, Erik
(31) 201317535
(32) 03.10.2013
(33) United Kingdom

(51) H05K 7/14
G06F 1/16
A47B 88/427
A47B 88/423
H05K 7/18
(11) EP3253189
(21) EP16202131.5
(47) 11.09.2019
(22) 05.12.2016
(54) SLIDE RAIL DEVICE
(73) King Slide Works Co., Ltd.
King Slide Technology Co., Ltd.
(72) Chen, Ken-Ching
Yang, Shun-Ho
Yu, Kai-Wen
Wang, Chun-Chiang
(31) 105117119
(32) 31.05.2016
(33) Taiwan, Province of China

(51) H05K 7/20
(11) EP2887786

(21) EP14194879.4
(47) 11.09.2019
(22) 26.11.2014
(54) Universal inlet duct system for side air intake equipment
(73) Panduit Corp.
(72) Marrs, Samuel M.
Kello, Edward R.
(31) 201314090287
(32) 26.11.2013
(33) United States of America

(51) H05K 7/20
(11) EP3446555
(21) EP17705711.4
(47) 11.09.2019
(87) TR2017050009
19.07.2018
(22) 10.01.2017
(54) A COOLING SYSTEM
(73) Aselsan Elektronik Sanayi ve Ticaret Anonim Sirketi
(72) DALGIC, Ali Murtaza

(51) H05K 7/20
F24F 1/00
F24F 12/00
F24F 11/77
(11) EP3021054
(21) EP15194029.3
(47) 11.09.2019
(22) 11.11.2015
(54) CONDITIONING SYSTEM OF THE FREE COOLING TYPE FOR ENVIRONMENTS AND METHOD OF OPERATION OF A SAID CONDITIONING SYSTEM
(73) Vertiv S.R.L.
(72) BARBATO, Pierpaolo
(31) PD20140302
(32) 11.11.2014
(33) Italy

(51) H05K 7/20
G06F 1/20
(11) EP3018985
(21) EP15199774.9
(47) 11.09.2019
(22) 03.11.2008
(54) HOT PLUGGABLE FAN SYSTEM AND CONNECTION APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) LV, Xianhong
DU, Yumin
(31) 200810025843
(32) 16.01.2008
(33) China

(51) H05K 7/20
H02M 3/00
H02M 7/48
(11) EP2890227
(21) EP13831772.2
(47) 11.09.2019
(87) JP2013070278
27.02.2014
(22) 26.07.2013
(54) ELECTRIC POWER CONVERSION APPARATUS
(73) Hitachi Industrial Equipment Systems Co., Ltd.
(72) HAMANO, Koji
YAMAZAKI, Tadashi
HIROTA, Masayuki
NAKAMURA, Hiroshi
(31) 2012184769
(32) 24.08.2012
(33) Japan

(51) H05K 9/00
(11) EP2943050
(21) EP15165782.2
(47) 11.09.2019
(22) 29.04.2015
(54) ELECTRICAL SYSTEM WITH SHIELDING
(73) Valeo Siemens eAutomotive France SAS
(72) Tramet, Guillaume
Colonges, Jean Baptiste
(31) 1454067
(32) 05.05.2014
(33) France

(51) H05K 9/00
(11) EP2823697
(21) EP12780206.4
(47) 11.09.2019
(87) EP2012071771
10.05.2013
(22) 02.11.2012
(54) HALOGEN-FREE FLAME RETARDANT EMI SHIELDING GASKET FOR ELECTRONIC APPARATUS
(73) Lo, Chi-cheong
Kwok, Ka, Ho
Andy, Lo, Tsz Shing
Brull, Christian
(72) Lo, Chi-cheong
Kwok, Ka, Ho
Andy, Lo, Tsz Shing
Brull, Christian
(31) 201161555054 P
(32) 03.11.2011
(33) United States of America

(51) H05K 9/00
B32B 9/00
C22C 13/00
C22C 19/03
C23C 8/12
C23C 28/00
H01B 7/17
C25D 5/12
C25D 5/50
C25D 3/12
C25D 3/30
C25D 3/56
C25D 7/06
(11) EP3018986
(21) EP14820189.0
(47) 11.09.2019
(87) JP2014053976
08.01.2015
(22) 20.02.2014
(54) ELECTROMAGNETIC WAVE SHIELD-USE METAL FOIL, ELECTROMAGNETIC WAVE SHIELD MATERIAL AND SHIELD CABLE
(73) JX Nippon Mining & Metals Corporation
(72) TANAKA, Koichiro
(31) 2013139914
(32) 03.07.2013
(33) Japan

(51) H05K 9/00
B32B 15/08
C23C 8/10
C23C 28/00
(11) EP3280236
(21) EP15887696.1
(47) 11.09.2019
(87) JP2015067662
06.10.2016
(22) 18.06.2015
(54) ELECTROMAGNETIC SHIELDING MATERIAL
(73) JX Nippon Mining & Metals Corporation
(72) TANAKA,Koichiro
SATO,Kenji
(31) 2015070091
(32) 30.03.2015
(33) Japan

(51) H05K 9/00
H05K 3/30
H01R 4/48
H01R 13/6594
H01R 12/79
H05K 1/02
H05K 3/32
H05K 3/40
(11) EP3196980
(21) EP16199054.4
(47) 11.09.2019
(22) 16.11.2016
(54) ELECTRONIC DEVICE INCLUDING CABLE SUPPORTING STRUCTURE
(73) Samsung Electronics Co., Ltd.
Pocons Co., Ltd.
(72) SONG, Byoung-ryoul
SUNG, Eui-suck
(31) 20150173304
(32) 07.12.2015
(33) Korea (Republic)

(51) H05K 13/02
H05K 13/04
H05K 13/08
(11) EP3174376
(21) EP14898187.1
(47) 11.09.2019
(87) JP2014069674
28.01.2016
(22) 25.07.2014
(54) FEEDER AUTOMATIC REPLACEMENT SYSTEM
(73) FUJI Corporation
(72) IISAKA, Jun
ITO, Hidetoshi

(51) H05K 13/04
(11) EP3310147
(21) EP15895553.4
(47) 11.09.2019
(87) JP2015067211
22.12.2016
(22) 15.06.2015
(54) COMPONENT MOUNTING MACHINE
(73) FUJI Corporation
(72) MURAI, Masaki
YAMASAKI, Toshihiko
SHIMIZU, Toshinori

(51) H05K 13/04
(11) EP3021653
(21) EP13889299.7
(47) 11.09.2019

(87) JP2013069215
15.01.2015
(22) 12.07.2013
(54) COMPONENT MOUNTING DEVICE
(73) FUJI Corporation
(72) NISHIYAMA Satoru

---

(51) H05K 13/04
H05K 13/08
(11) EP2943051
(21) EP13869913.7
(47) 11.09.2019
(87) JP2013050015
10.07.2014
(22) 07.01.2013
(54) COMPONENT MOUNTING MACHINE AND COMPONENT MOUNTING METHOD
(73) FUJI Corporation
(72) ITO, Toshiya
IISAKA, Jun

---

(51) H05K 13/06
G06K 19/077
(11) EP3154328
(21) EP16191548.3
(47) 11.09.2019
(22) 29.09.2016
(54) APPARATUS, METHOD AND DEVICE FOR MAKING PRODUCTS INCORPORATING AN RFID
(73) Mecstar S.r.l.
(72) LOLLI, Marcello
CARLUCCI, Massimiliano
CARLUCCI, Marco
(31) UB20154206
(32) 07.10.2015
(33) Italy

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 75/00
(11) EP3255972
(21) EP16707904.5
(22) 11.02.2016
(54) FARM VEHICLE
(73) Touti Terre
(72) LACROUTS-CAZENAVE, Ivan
LACROUTS-CAZENAVE, Flore
(74) ir. W.J.J.M. Kempes
(31) 1551174
(32) 13.02.2015
(33) France
(47) 05.06.2019

(51) A01C 21/00
A01C 17/00
(11) EP3017680
(21) EP15401112.6
(22) 30.10.2015
(54) METHOD FOR DETERMINING THE DISTRIBUTION CHARACTERISTIC OF A DISTRIBUTION MACHINE AND DISTRIBUTION MACHINE FOR CARRYING OUT SUCH A METHOD
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG
(72) Dreyer, Justus
Rahe, Florian
Wessels, Thomas
Ströbel-Fröschle, Markus
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014116025
(32) 04.11.2014
(33) Germany
(47) 26.06.2019

(51) A01D 90/04
A01F 15/10
A01F 29/09
(11) EP3092889
(21) EP16001087.2
(22) 12.05.2016
(54) CUTTER UNIT FOR AGRICULTURAL HARVESTERS
(73) Maschinenfabrik Bernard Krone GmbH & Co. KG
(72) Jung, Stefan
(74) ir. P.J. Hylarides c.s.
(31) 102015006017
(32) 13.05.2015
(33) Germany
(47) 10.07.2019

(51) A01G 17/08
B65B 13/34
B65B 13/02
B65B 13/16
B65B 13/18
B65B 13/20
(11) EP3257364
(21) EP17176064.8
(22) 14.06.2017
(54) BINDING MACHINE FOR GARDENING
(73) Max Co., Ltd.
(72) Taguchi, Satoshi
Miwa, Toshihide
(74) ir. F.A. Geurts c.s.
(31) 2016119283
(32) 15.06.2016
(33) Japan
(47) 05.06.2019

(51) A01G 31/04
(11) EP3185672
(21) EP15756115.0
(22) 30.07.2015
(54) PLANT GROWING SYSTEM
(73) InFarm - Indoor Urban Farming GmbH
(72) GALONSKA, Guy
GALONSKA, Erez
(74) ir. C.H. Riem
(31) 201462033960 P
(32) 06.08.2014
(33) United States of America
(47) 26.06.2019

(51) A01H 1/04
(11) EP3081077
(21) EP16168990.6
(22) 16.09.2009
(54) METHOD FOR IMPROVED PLANT BREEDING
(73) BASF Plant Science GmbH
(72) Lejeune, Pierre
Leyns, Frederik
Vandaele, Cedrick
Van Caeneghem, Wim
(74) ir. W.J.J.M. Kempes
(31) 97222 P
08172858
(32) 16.09.2008
23.12.2008
(33) United States of America
European Patent Office (EPO)
(47) 19.06.2019

(51) A01J 5/017
A01K 1/12
G01S 17/10
G01S 17/89
(11) EP2244556
(21) EP09704002.6
(22) 16.01.2009
(54) ARRANGEMENT AND METHOD FOR DETERMINING POSITIONS OF THE TEATS OF A MILKING ANIMAL
(73) DeLaval Holding AB
(72) AXELSSON, Thomas
HOLMGREN, Hans
LIAO, Bohao
(74) dr. W.A.H.M. Van Borm
(31) 0800149
(32) 22.01.2008
(33) Sweden
(47) 24.07.2019

(51) A01K 63/00
A01K 63/10
(11) EP3251502
(21) EP16172014.9
(22) 30.05.2016
(54) DEVICE FOR CLEANING AQUARIUM WINDOWS
(73) Bakker Holding Son B.V.
(72) Bergmans, Hans
(74) ir. J.M.G. Dohmen c.s.
(47) 03.07.2019

(51) A01N 63/04
A01P 13/00
(11) EP3264899
(21) EP16709514.0
(22) 02.03.2016
(54) A MYCOHERBICIDE
(73) The Secretary Of State For Environment, Food & Rural Affairs
(72) SEIER, Marion Karin
EVANS, Harold Charles
(74) ir. C.M. Jansen c.s.
(31) 201503510
(32) 02.03.2015
(33) United Kingdom
(47) 12.06.2019

(51) A21D 8/04
A21D 10/00
A21D 10/04
(11) EP2840900
(21) EP13719494.0
(22) 24.04.2013
(54) METHOD OF BAKING
(73) Novozymes A/S
(72) BELLIDO, Guillermo
GAZZOLA, Gianluca
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 12165507
12166423
(32) 25.04.2012
02.05.2012
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 12.06.2019

(51) A22C 7/00
A23P 30/10
(11) EP2248433
(21) EP10380063.7
(22) 04.05.2010
(54) Machine for crushed edible product paste ball formation
(73) Internacional Olivarera, S.A.
(72) Agroba Rodriguez, Angel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 200930131
(32) 06.05.2009
(33) Spain

(47) 05.06.2019

(51) A22C 7/00
B08B 1/00
B08B 1/04
B08B 3/02
B08B 3/10
B08B 9/46
A23P 30/10
(11) EP2253219
(21) EP10177784.5
(22) 26.04.2005
(54) Moulding
(73) Marel Townsend Further Processing B.V.
(72) Meskendahl, Dirk
van der Eerden, Hendricus Franciscus Jacobus Maria
(74) ir. J.C. Volmer c.s.
(31) 1026171
(32) 11.05.2004
(33) Netherlands
(47) 10.07.2019

(51) A23C 19/16
A01J 25/16
A01J 27/02
B65D 85/76
(11) EP2338353
(21) EP09179654.0
(22) 17.12.2009
(54) Method for ripening a cheese in the presence of a frame
(73) CSK Food Enrichment B.V.
(72) Haarman, Martinus Gerardus Maria
Koopmans, Wieger Jan
Meijer, Willem Cornelis
Kevelam, Jan
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 05.06.2019

(51) A23J 1/02
A23J 1/04
A23L 13/40
A23L 17/00
(11) EP2461706
(21) EP10849575.5
(22) 21.07.2010
(54) PROTEIN PRODUCT AND PROCESS FOR MAKING INJECTABLE PROTEIN PRODUCT
(73) Proteus Industries, Inc.
(72) KELLEHER, Stephen, D.
FIELDING, William R.
SAUNDERS, Wayne, S.
WILLIAMSON, Peter, G.
(74) ir. W.J.J.M. Kempes
(31) 798423
(32) 05.04.2010
(33) United States of America
(47) 26.06.2019

(51) A23K 20/105
A23K 20/111
A23K 20/20
(11) EP2642874
(21) EP11807851.8
(22) 25.11.2011
(54) FEEDSTUFF ADDITIVE
(73) Erber Aktiengesellschaft
(72) PASTEINER, Sigrid
BINDER, Eva, Maria
(74) ir. C.M. Jansen c.s.
(31) 7292010 U
(32) 26.11.2010
(33) Austria
(47) 12.06.2019

(51) A23K 20/105
A23K 50/75
A23K 50/30
(11) EP3054783
(21) EP14806065.0
(22) 09.10.2014
(54) COMPOSITION OF MEDIUM CHAIN FATTY ACIDS AND FODDER SUPPLEMENTED WITH SAME
(73) Nutrition Sciences N.V.
(72) BRUGGEMAN, Geert
DESCHEPPER, Katrien
(74) ir. J.P.E. Brants
(31) 201300672
201300676
(32) 09.10.2013
09.10.2013
(33) Belgium
Belgium
(47) 15.05.2019

(51) A23L 7/10
A23L 7/104
(11) EP2555637
(21) EP11712879.3
(22) 08.04.2011
(54) BRAN MODIFICATION
(73) DuPont Nutrition Biosciences ApS
(72) SØRENSEN, Jens, Frisbæk
(74) ir. C.M. Jansen c.s.
(31) 323098 P
10159546
(32) 12.04.2010
09.04.2010
(33) United States of America
European Patent Office (EPO)
(47) 12.06.2019

(51) A23L 27/60
A23L 25/00
(11) EP3136877
(21) EP16738230.8
(22) 22.06.2016
(54) FLUID RAW TAHINI AND PROCESS FOR ITS PREPARATION
(73) Rushdi Food Industries Ltd.
(72) BASHIR, Ibrahim
(74) ir. C.M. Jansen c.s.
(31) 23957615
(32) 22.06.2015
(33) Israel
(47) 12.06.2019

(51) A23L 29/10
A23J 7/00
(11) EP2725923
(21) EP12804441.9
(22) 29.06.2012
(54) EMULSIFIER COMPOSITIONS AND METHODS OF USING SUCH EMULSIFIER COMPOSITIONS
(73) Archer-Daniels-Midland Company
(72) BASEETH, Shireen
PRICE, Michael
SEBREE, Bruce
(74) J.M.H. Duyver lic.
(31) 201161503101 P
(32) 30.06.2011
(33) United States of America
(47) 12.06.2019

(51) A23L 33/00
A23C 9/142
A23C 9/20
(11) EP3057450
(21) EP14806412.4
(22) 14.10.2014
(54) FOOD COMPOSITION
(73) Consiglio Nazionale Delle Ricerche
Università Degli Studi Di Torino
Conti, Amedeo
Moro, Guido
(72) CONTI, Amedeo
MORO, Guido
CAVALLARIN, Laura
BERTINO, Enrico
(74) dr. A. Krebs
(31) MI20131690
(32) 14.10.2013
(33) Italy
(47) 05.06.2019

(51) A23N 7/04
(11) EP2502509
(21) EP12157037.8
(22) 27.02.2012
(54) Automatic peeling device for elongated peeled goods and peeling method
(73) Hepro GmbH
(72) Protte, Christoph
(74) ir. F.E. Hoeben
(31) 102011006038
(32) 24.03.2011
(33) Germany
(47) 12.06.2019

(51) A24B 15/32
A24B 15/40
A24F 47/00
A24B 15/10
A24B 15/16
(11) EP3243393
(21) EP16752495.8
(22) 17.02.2016
(54) HEAT REVERSIBLE COMPOSITION FOR SMOKING GOODS THAT ARE GEL-LIKE AT NORMAL TEMPERATURES
(73) Japan Tobacco Inc.
(72) TERAO, Fumitaka
(74) ir. F.A. Geurts c.s.
(31) 2015029236
(32) 18.02.2015
(33) Japan
(47) 26.06.2019

(51) A24C 5/34
G01N 21/89
G01N 21/952
(11) EP2641487
(21) EP13159659.5
(22) 18.03.2013
(54) Measuring arrangement to measure rods and/or rod sections and rod maker with such a measuring arrangement and method for measuring
(73) Hauni Maschinenbau GmbH
(72) Giese, Jürgen
Meins, Karsten
Junge, Christian

Siems, Wolfgang
Barkhan, Teut
Buck, Jan
Knopp, Reiner
(74) ir. F.A. Geurts c.s.
(31) 102012102337
(32) 20.03.2012
(33) Germany
(47) 10.07.2019

(51) A24D 1/00
A24F 47/00
(11) EP3076804
(21) EP14806330.8
(22) 04.12.2014
(54) HEATED AEROSOL GENERATING ARTICLE WITH THERMAL SPREADING WRAP
(73) Philip Morris Products S.A.
(72) MALGAT, Alexandre
ROUDIER, Stephane
BORGES DE COURAÇA, Ana Carolina
LAVANCHY, Frederic
MEYER, Cedric
(74) dr. W.A.H.M. Van Borm
(31) 13195877
(32) 05.12.2013
(33) European Patent Office (EPO)
(47) 31.07.2019

(51) A24D 1/02
A24D 1/04
(11) EP3373753
(21) EP16794328.1
(22) 10.11.2016
(54) MULTICOMPONENT AEROSOL-FORMING ARTICLE
(73) Philip Morris Products S.A.
(72) GRANT, Christopher John
(74) dr. W.A.H.M. Van Borm
(31) 15194232
(32) 12.11.2015
(33) European Patent Office (EPO)
(47) 31.07.2019

(51) A24F 47/00
(11) EP3085257
(21) EP15164619.7
(22) 22.04.2015
(54) ELECTRONIC SMOKING DEVICE
(73) Fontem Holdings 1 B.V.
(72) Yener, Emin
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 05.06.2019

(51) A24F 47/00
A24D 3/06
A24D 3/04
A24D 1/02
A24D 1/00
(11) EP2996503
(21) EP14724423.0
(22) 14.05.2014
(54) A SMOKING ARTICLE INCLUDING A LIQUID DELIVERY MEMBER AND A WRAPPER
(73) Philip Morris Products S.A.
(72) CAMUS, Alexandre
BLANC, Christophe
(74) dr. W.A.H.M. Van Borm
(31) 13167637
(32) 14.05.2013
(33) European Patent Office (EPO)
(47) 31.07.2019

(51) A41F 9/00
A44B 11/22
A44C 17/02
A44C 17/04
A44B 11/00
(11) EP3258809
(21) EP15731841.1
(22) 16.04.2015
(54) JEWELRY ELEMENT AND PRODUCTION METHOD
(73) Alexander Wilser GmbH
(72) WILSER, Alexander
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014016677
(32) 12.11.2014
(33) Germany
(47) 26.06.2019

(51) A43B 7/12
A43B 23/02
(11) EP3331391
(21) EP16745488.3
(22) 02.08.2016
(54) WATERPROOF AND BREATHABLE SHOE
(73) Geox S.p.A.
(72) POLEGATO MORETTI, Mario
POLONI, Livio
MATTIONI, Bruno
(74) ir. J.C. Volmer c.s.
(31) UB20152773
(32) 03.08.2015
(33) Italy
(47) 12.06.2019

(51) A43B 23/02
A43B 1/04
A43B 23/04
(11) EP3232847
(21) EP14816134.2
(22) 18.12.2014
(54) SHOE, IN PARTICULAR A SPORTS SHOE
(73) PUMA SE
(72) SIEGISMUND, Andreas
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 19.06.2019

(51) A45B 25/14
(11) EP3135149
(21) EP16186032.5
(22) 26.08.2016
(54) SUNSHADE AND SUN SHADING SYSTEM
(73) Yotrio Group Co., Ltd.
(72) XIE, Jianping
(31) 201520661987 U
(32) 28.08.2015
(33) China
(47) 05.06.2019

(51) A45C 13/30
(11) EP3135151
(21) EP16184856.9
(22) 19.08.2016
(54) BAG PROVIDED WITH A STRAP
(73) Curana Invest bvba
(72) VENS, Dirk
(74) dr. W.A.H.M. Van Borm
(31) 201505524
(32) 24.08.2015
(33) Belgium
(47) 17.07.2019

(51) A47B 9/06
A47B 9/20
F16B 7/10
(11) EP3311695
(21) EP16002259.6
(22) 21.10.2016
(54) ADJUSTABLE SUPPORT WITH LATCHING DEVICE
(73) WINI Büromöbel Georg Schmidt GmbH & Co. KG
(72) Möckel, Rico
(74) ir. P.J. Hylarides c.s.
(47) 05.06.2019

(51) A47C 27/00
(11) EP3354163
(21) EP17153681.6
(22) 30.01.2017
(54) A PORTABLE MATTRESS
(73) Hilding Anders International AB
(72) Edwardzon, Björn
Edwardzon, Jesper
Johansson, Mikael
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 19.06.2019

(51) A47J 27/04
A47J 36/08
(11) EP3097825
(21) EP16160100.0
(22) 14.03.2016
(54) RECEPTACLE FOR FOOD PRODUCT TO BE COOKED, PREFERABLY BY MEANS OF STEAM
(73) GORENJE gospodinjski aparati d.d.
(72) KRECA, Marko
DJUKIC, Drazen
KRAJNC, Tomaz
(74) ir. F.A. Geurts c.s.
(31) 201500133
(32) 27.05.2015
(33) Slovenia
(47) 19.06.2019

(51) A47J 31/18
A47J 31/46
A47J 31/52
(11) EP2222210
(21) EP08858710.0
(22) 09.12.2008
(54) ONE HAND CARRIABLE LIQUID FOOD OR BEVERAGE MACHINE
(73) Société des Produits Nestlé S.A.
(72) CAHEN, Antoine
KAESER, Stefan
KOLLEP, Alexandre
KRÄUCHI, Frank
OZANNE, Matthieu
YOAKIM, Alfred
(74) ir. F.A. Geurts c.s.
(31) 07123009
(32) 12.12.2007
(33) European Patent Office (EPO)
(47) 03.07.2019

(51) A47J 31/44
(11) EP2994026

(21) EP14718770.2
(22) 01.04.2014
(54) A JUG FOR BEVERAGES AND BEVERAGE PRODUCING MACHINE COMPRISING SAID JUG
(73) Koninklijke Philips N.V.
(72) TONELLI, Stefano
MATTIOLI, Romeo
(74) drs. O. Griebling
(31) 13162006
(32) 02.04.2013
(33) European Patent Office (EPO)
(47) 12.06.2019

(51) A47J 31/46
(11) EP3359001
(21) EP16775593.3
(22) 22.09.2016
(54) PUMPING SYSTEM AND METHOD
(73) Société des Produits Nestlé S.A.
(72) KOLLEP, Alexandre
(74) ir. F.A. Geurts c.s.
(31) 15188494
(32) 06.10.2015
(33) European Patent Office (EPO)
(47) 03.07.2019

(51) A47J 31/60
A47J 31/06
A47J 31/40
(11) EP2819561
(21) EP13705769.1
(22) 22.02.2013
(54) CONTAINER HOLDER WITH FILTRATION UNIT FOR USE IN A NUTRITIONAL PREPARATION MACHINE
(73) Société des Produits Nestlé S.A.
(72) DOGAN, Nihan
WYSS, Heinz
MANSER, Daniel, Roland
BEZET, Nicolas Jean-Guy
(74) ir. F.A. Geurts c.s.
(31) 12157452
(32) 29.02.2012
(33) European Patent Office (EPO)
(47) 03.07.2019

(51) A47J 36/38
A47J 37/12
A47J 27/16
(11) EP3202291
(21) EP17000171.3
(22) 03.02.2017
(54) COOKING DEVICE, AND DRAINAGE DEVICE ON COOKING DEVICE
(73) GUSTATUS Holding GmbH
(72) Klouda, Jaroslava
(74) ir. F.A. Geurts c.s.
(31) 102016001255
(32) 04.02.2016
(33) Germany
(47) 05.06.2019

(51) A47J 37/06
A47J 37/07
(11) EP3288431
(21) EP15721560.9
(22) 29.04.2015
(54) A DISPOSABLE GRILL
(73) Novo Futura IVS
(72) BRØGGER, Carsten Nygaard
FINKEN, Knud Hellek
(74) dr. A. Krebs
(47) 12.06.2019

(51) A47L 9/02
A47L 9/24
A47L 9/00
(11) EP3241475
(21) EP17169491.2
(22) 04.05.2017
(54) SUCTION HEAD WITH IMPROVED ADHERENCE TO THE SURFACE TO BE VACUUMED
(73) New Ermes Europe S.r.l.
(72) ROSCHI, Riccardo
(74) ir. J.M.G. Dohmen c.s.
(31) UA20163223
(32) 06.05.2016
(33) Italy
(47) 03.07.2019

(51) A47L 11/282
A47L 11/40
A47L 11/292
A47L 11/18
A47L 11/30
(11) EP3238598
(21) EP15905701.7
(22) 10.10.2015
(54) FLOOR CLEANER AND WATER CONTAINER STRUCTURE THEREOF
(73) Hizero Technologies Co., Ltd.
(72) LI, Yang
ZHANG, Yong
(74) ir. W.J.J.M. Kempes
(47) 26.06.2019

(51) A61B 5/00
(11) EP3010400
(21) EP14744429.3
(22) 18.06.2014
(54) A METHOD OF DETERMINING SYSTOLIC AND DIASTOLIC BLOOD PRESSURE AND THE UNIT FOR THIS METHOD
(73) Czech Technical Univerzity in Prague, Faculty of Electrical Engineering, Department of Telecommunication Engineering
(72) CHOD, Jiri
ZAHRADNIK, Pavel
(31) 20130478
20130488
20140356
20140375
(32) 21.06.2013
24.06.2013
23.05.2014
02.06.2014
(33) Czech Republic
Czech Republic
Czech Republic
Czech Republic
(47) 31.07.2019

(51) A61B 5/0496
A61B 3/10
A61B 5/16
A61K 31/496
A61B 5/00
G16H 50/20
(11) EP2956056
(21) EP14765466.9
(22) 13.03.2014
(54) ELECTRORETINOGRAPHY (ERG) SYSTEM FOR THE ASSESSMENT OF PSYCHIATRIC DISORDERS
(73) Université Laval
(72) HÉBERT, Marc
MAZIADE, Michel
MÉRETTE, Chantal
(74) ir. A.R. Aalbers
(31) 201361781520 P
(32) 14.03.2013
(33) United States of America
(47) 05.06.2019

(51) A61B 5/107
A61F 2/46
G01B 3/20
(11) EP3282945
(21) EP15889116.8
(22) 10.11.2015
(54) FEMORAL HEAD MEASUREMENT DEVICE
(73) Peninsula Orthopaedics (Pty) Ltd.
(72) GROBLER, Garth Peter
DOWER, Brendan John
(74) ir. J.C. Volmer c.s.
(31) 201502483
(32) 14.04.2015
(33) South Africa
(47) 19.06.2019

(51) A61B 5/11
G08B 21/04
A61B 5/00
G06F 19/00
(11) EP2982300
(21) EP14180032.6
(22) 06.08.2014
(54) A system for identifying a change in walking speed of a person
(73) Dutch Domotics B.V.
(72) Karkowski, Ireneusz Piotr
(74) ir. C.M. Jansen c.s.
(47) 19.06.2019

(51) A61B 17/04
A61B 17/00
(11) EP3150130
(21) EP16193155.5
(22) 12.10.2011
(54) APPARATUS FOR GUIDING A SUTURE THREAD
(73) Synthes GmbH
(72) BOUDUBAN, Nicolas
LUDIN, Alexander
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 392601 P
(32) 13.10.2010
(33) United States of America
(47) 03.07.2019

(51) A61B 17/11
(11) EP3179925
(21) EP15748251.4
(22) 11.08.2015
(54) MINIMALLY TRAUMATIC ANASTOMOSIS
(73) Anastomosis AS
(72) ROY, Sumit
(74) ir. W.J.J.M. Kempes
(31) 201462036345 P

(32) 12.08.2014
(33) United States of America
(47) 19.06.2019

(51) A61B 17/16
A61B 17/15
A61B 17/00
(11) EP2896374
(21) EP15151259.7
(22) 08.12.2009
(54) Orthopaedic cutting tool
(73) DePuy Ireland Unlimited Company
(72) Edwards, Jon M
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 345133
(32) 29.12.2008
(33) United States of America
(47) 05.06.2019

(51) A61B 17/32
A61B 17/3207
(11) EP3446648
(21) EP18200126.3
(22) 08.11.2013
(54) TISSUE-REMOVING CATHETER WITH ROTATABLE CUTTER
(73) Covidien LP
(72) Guggenhelmer, Ethan Andrew
Schneider, Lucas
McPeak, Thomas
Fruland, Benjamin
(74) ir. C.M. Jansen c.s.
(31) 201213671695
(32) 08.11.2012
(33) United States of America
(47) 21.08.2019

(51) A61B 17/66
A61M 5/142
(11) EP3113703
(21) EP15709457.4
(22) 06.03.2015
(54) IMPLANTABLE DEVICE
(73) MPS Micro Precision Systems AG
(72) BRUNNER, Raphaël
LACHAT, Claude
(74) J. Hoekstra
(31) 14158156
(32) 06.03.2014
(33) European Patent Office (EPO)
(47) 26.06.2019

(51) A61B 17/88
B01F 11/00
B01F 13/00
B01F 15/02
(11) EP2457531
(21) EP11008988.5
(22) 11.11.2011
(54) Cartridge with adjustable delivery pistons
(73) Heraeus Medical GmbH
(72) Vogt, Sebastian, Dr.
Schnieber, Tim
(74) ir. W.J.J.M. Kempes
(31) 102010052323
(32) 25.11.2010
(33) Germany
(47) 12.06.2019

(51) A61B 18/14
A61B 18/00
A61B 17/00
A61M 25/01
A61B 34/20
(11) EP2749242
(21) EP13199550.8
(22) 24.12.2013
(54) Catheter with cooling on nonablating element
(73) Biosense Webster (Israel) Ltd.
(72) Clark, Jeffrey L.
Banando, Michael D.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201213732297
(32) 31.12.2012
(33) United States of America
(47) 03.07.2019

(51) A61B 18/14
A61B 90/00
(11) EP2641555
(21) EP13160020.7
(22) 19.03.2013
(54) Catheter with multiple irrigated electrodes and a force sensor
(73) Biosense Webster (Israel) Ltd.
(72) Govari, Assaf
Garcia, Ariel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201213424783
(32) 20.03.2012
(33) United States of America
(47) 19.06.2019

(51) A61B 18/14
A61M 25/01
A61B 5/042
A61B 18/00
A61B 34/20
A61B 5/00
(11) EP3398548
(21) EP18179922.2
(22) 21.04.2011
(54) IRRIGATED CATHETER WITH INTERNAL POSITION SENSOR
(73) Biosense Webster, Inc.
(72) ZIRKLE, Michael
CLARK, Jeffrey
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 767763
(32) 26.04.2010
(33) United States of America
(47) 26.06.2019

(51) A61B 18/14
A61N 7/02
A61B 18/02
A61B 18/18
A61B 18/20
A61B 18/00
A61B 90/00
(11) EP2637591
(21) EP11839128.3
(22) 14.11.2011
(54) STABILIZED ABLATION SYSTEMS
(73) Estech, Inc. (Endoscopic Technologies, Inc.)
(72) IBRAHIM, Tamer
MOREJOHN, Dwight P.
BANCHIERI, Michael J.
STEPHANIAN, Ara
PAVLIDIS, John D.
SWANSON, David K.
(74) ir. F.A. Geurts c.s.
(31) 456918 P
(32) 12.11.2010
(33) United States of America
(47) 17.07.2019

(51) A61B 34/30
A61B 1/00
(11) EP2892607
(21) EP13835435.2
(22) 06.09.2013
(54) SYSTEM FOR GUIDE CATHETER CONTROL
(73) Corindus, Inc
(72) BLACKER, Steven
(74) J.M.H. Duyver lic.
(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
(47) 07.08.2019

(51) A61C 5/00
A61C 7/20
A61C 9/00
(11) EP2967756
(21) EP14708910.6
(22) 11.03.2014
(54) RETAINER AND METHOD FOR PRODUCTION THEREOF
(73) retaintechnology GmbH
(72) SCHUMACHER, Hildegard Brigitte
(74) J.M.H. Duyver lic.
(31) 102013204359
(32) 13.03.2013
(33) Germany
(47) 12.06.2019

(51) A61C 17/02
A61C 17/22
A61C 17/28
A46B 11/00
A46B 9/04
(11) EP3294192
(21) EP15728115.5
(22) 05.06.2015
(54) DENTAL CLEANING APPLIANCE WITH FLUID DELIVERY SYSTEM
(73) Dyson Technology Limited
(72) FOLLOWS, Thomas
COURTNEY, Stephen
LEMON, Graham
JONES, Jason
BEX-RUSSELL, William
(74) ir. C.M. Jansen c.s.
(31) 201508371
(32) 15.05.2015
(33) United Kingdom
(47) 03.07.2019

(51) A61F 2/01
A61F 2/24
(11) EP2985006
(21) EP15177718.2
(22) 22.12.2004
(54) REPOSITIONABLE HEART VALVE
(73) Boston Scientific Scimed, Inc.
(72) SALAHIEH, Amr
BRANDT, Brian D.

MOREJOHN, Dwight P.
HAUG, Ulrich R.
DUERI, Jean-Pierre
VALENCIA, Hans F.
GESHLIDER, Robert A.
KROLIK, Jeff
SAUL, Tom
ARGENTO, Claudio
HILDEBRAND, Daniel
(74) ir. W.J.J.M. Kempes
(31) 746280
746942
746240
746872
746887
746120
746285
893151
893131
893143
893142
972287
971535
982692
982388
(32) 23.12.2003
23.12.2003
23.12.2003
23.12.2003
23.12.2003
23.12.2003
23.12.2003
15.07.2004
15.07.2004
15.07.2004
15.07.2004
21.10.2004
21.10.2004
05.11.2004
05.11.2004
(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
(47) 19.06.2019

(51) A61F 2/14
(11) EP2683330
(21) EP12709243.5
(22) 07.03.2012
(54) CAPSULAR MEMBRANE IMPLANTS TO INCREASE ACCOMMODATIVE AMPLITUDE
(73) Johnson & Johnson Surgical Vision, Inc.
(72) BRADY, Daniel, G.
BOR, Zsolt
GERAGHTY, Edward
BASINGER, Brooke
REISIN, Carina, R.
CALI, Douglas
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201113043178
(32) 08.03.2011
(33) United States of America
(47) 03.07.2019

(51) A61F 2/24
A61M 25/01
(11) EP3326585
(21) EP17207610.1
(22) 31.01.2013
(54) MITRAL VALVE DOCKING DEVICES AND SYSTEMS
(73) Mitral Valve Technologies Sàrl
(72) SPENCE, Paul A.
TOMPKINS, Landon H.
(74) ir. F.A. Geurts c.s.
(31) 201261592796 P
201261687898 P
201261744468 P
201261796964 P
(32) 31.01.2012
03.05.2012
27.09.2012
26.11.2012
(33) United States of America
United States of America
United States of America
United States of America
(47) 19.06.2019

(51) A61F 2/50
C08J 7/04
C09D 183/04
(11) EP3250156
(21) EP16712192.0
(22) 22.01.2016
(54) METHOD FOR PRODUCING A PERMANENTLY COLORED OBJECT HAVING A SILICONE SURFACE AND COLORED OBJECT PRODUCED ACCORDING TO THE METHOD
(73) Ottobock SE & Co. KGaA
(72) ANHALT, Klaus-Peter
ZUTHER, Martina
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015001075
(32) 27.01.2015
(33) Germany
(47) 03.07.2019

(51) A61F 2/86
(11) EP2158875
(21) EP09004580.8
(22) 13.03.2002
(54) Stent for improving blood flow
(73) Medinol Ltd.
(72) Richter, Yoram
Edelman, Elazer
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 275419 P
(32) 13.03.2001
(33) United States of America
(47) 03.07.2019

(51) A61F 2/90
A61L 31/10
A61L 31/16
(11) EP2198814
(21) EP09176617.0
(22) 20.11.2009
(54) Adhesion promoting primer for coated surfaces
(73) Cardinal Health Switzerland 515 GmbH
(72) Dave, Vipul
Falotico, Robert
Li, Chengxue
Nguyen, Thai M.
Parker, Theodore L.
Zhao, Jonathon
(74) ir. C.M. Jansen c.s.
(31) 335741
(32) 16.12.2008
(33) United States of America
(47) 05.06.2019

(51) A61F 5/44
A61F 5/449
A61F 5/448
(11) EP3318225
(21) EP17200132.3
(22) 06.11.2017
(54) OSTOMY POUCH ARRANGEMENT
(73) Tomas B.V.
(72) Gommans, Franciscus Petrus Johannes
(74) drs. J. Renkema
(31) 2017725
(32) 04.11.2016
(33) Netherlands
(47) 05.06.2019

(51) A61G 13/02
(11) EP3318239
(21) EP16196862.3
(22) 02.11.2016
(54) TREATMENT COUCH
(73) Enraf Nonius B.V.
(72) VAN GRONINGEN, Johannis
VAN LEEUWEN, Alexander Adrianus
(74) ir. A.R. Aalbers
(47) 12.06.2019

(51) A61J 3/07
(11) EP3219300
(21) EP16160324.6
(22) 15.03.2016
(54) ASEPTIC HARD CAPSULE SEALING APPARATUS AND METHODS
(73) Capsugel Belgium NV
(72) Dierckx, Tarryn
Van Goolen, Gunther
Vanquickenborne, Stefaan Jaak
(74) ir. W.J.J.M. Kempes
(47) 19.06.2019

(51) A61K 8/41
A61Q 15/00
A61K 8/26
A61K 8/28
A61K 8/86
D06F 35/00
(11) EP3120828
(21) EP16001566.5
(22) 24.02.2010
(54) USE OF CHARGED SURFACTANTS FOR REDUCING TEXTILE STAINING BY ANTIPERSPIRANTS
(73) Beiersdorf AG
(72) Biel, Stefan
Miertsch, Heike
Urban, Michael
Brüning, Stefan

Kawa, Rolf
Kühne, Sabine
(74) ir. F.A. Geurts c.s.
(31) 102009010665
(32) 27.02.2009
(33) Germany
(47) 12.06.2019

(51) A61K 9/00
A61K 38/20
A61K 47/18
A61K 47/20
A61P 27/04
A61P 27/14
A61P 27/02
(11) EP3288536
(21) EP16722558.0
(22) 27.04.2016
(54) COMPOSITIONS COMPRISING ANAKINRA
(73) Swedish Orphan Biovitrum AB (publ)
(72) FLORIN-ROBERTSSON, Ebba
FRANSSON, Jonas
MOORE, Barry D.
(74) drs. C.M.A. Quintelier
(31) 15165421
(32) 28.04.2015
(33) European Patent Office (EPO)
(47) 26.06.2019

(51) A61K 9/19
A61K 47/10
A61K 47/32
A61K 47/26
A61K 9/50
A61K 9/51
A61K 31/337
A61P 35/00
A61K 9/10
(11) EP2790675
(21) EP12858155.0
(22) 13.12.2012
(54) USE OF POLYMERIC EXCIPIENTS FOR LYOPHILIZATION OR FREEZING OF PARTICLES
(73) Abraxis BioScience, LLC
(72) FOSS, Willard
SHINDE, Rajesh
(74) J.M.H. Duyver lic.
(31) 201161570735 P
(32) 14.12.2011
(33) United States of America
(47) 03.07.2019

(51) A61K 31/11
A61P 1/06
A61P 1/00
(11) EP3024448
(21) EP14739842.4
(22) 18.07.2014
(54) COMPOSITIONS AND METHODS USING P-ANISALDEHYDE
(73) Société des Produits Nestlé S.A.
(72) MICHLIG GONZALEZ, Stéphanie
MEYLAN MERLINI, Jenny
CAMACHO, Susana
LE COUTRE, Johannes
(74) ir. F.A. Geurts c.s.
(31) 201361857060 P
(32) 22.07.2013
(33) United States of America
(47) 03.07.2019

(51) A61K 31/135
A61K 9/00
A61K 47/12
A61P 25/24
(11) EP2968221
(21) EP14719471.6
(22) 14.03.2014
(54) PHARMACEUTICAL COMPOSITION OF S-KETAMINE HYDROCHLORIDE
(73) Janssen Pharmaceutica NV
(72) BASSTANIE, Esther D. G.
BENTZ, Johanna
EMBRECHTS, Roger C.A.
NIEMEIJER, Nico Rudolph
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361791505 P
(32) 15.03.2013
(33) United States of America
(47) 19.06.2019

(51) A61K 31/19
A61P 19/00
(11) EP3119386
(21) EP15711510.6
(22) 20.03.2015
(54) A COMPOSITION FOR USE IN THE TREATMENT OF INTERVERTEBRAL DISC-RELATED PAIN
(73) STAYBLE THERAPEUTICS AB
(72) OLMARKER, Kjell
(74) ir. P.J. Hylarides c.s.
(31) 1450320
(32) 20.03.2014
(33) Sweden
(47) 19.06.2019

(51) A61K 31/401
C12Q 1/68
A61P 25/02
C12Q 1/6883
(11) EP3200784
(21) EP15790623.1
(22) 02.10.2015
(54) SMALL FIBRE NEUROPATHY TREATMENT
(73) Convergence Pharmaceuticals Limited
(72) MORISSET, Valerie
(74) ir. W.J.J.M. Kempes
(31) 201417499
(32) 03.10.2014
(33) United Kingdom
(47) 31.07.2019

(51) A61K 31/436
A61P 35/00
(11) EP3342411
(21) EP18155724.0
(22) 18.02.2002
(54) RAPAMYCIN DERIVATIVE FOR TREATING PANCREAS CANCER
(73) Novartis Pharma AG
Novartis International Pharmaceutical AG
(72) Lane, Heidi
O`Reilly, Terence
Wood, Jeanette Marjorie
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0104072
0124957
(32) 19.02.2001
17.10.2001
(33) United Kingdom
United Kingdom
(47) 21.08.2019

(51) A61K 31/4745
A61K 47/60
A61P 35/00
(11) EP2349346
(21) EP09789364.8
(22) 23.09.2009
(54) METHOD OF METRONOMIC DOSING WITH CAMPTOTHECIN PRODRUGS (E.G. PEG-IRINOTECAN)
(73) Nektar Therapeutics
(72) ELDON, Michael, A.
HARITE, Shibani, S.
BARKER, Tamra, L.
(74) ir. H.J.G. Lips c.s.
(31) 99516 P
106931 P
173433 P
(32) 23.09.2008
20.10.2008
28.04.2009
(33) United States of America
United States of America
United States of America
(47) 28.08.2019

(51) A61K 31/4985
A61K 31/519
A61K 31/568
A61P 15/00
(11) EP1965802
(21) EP06824238.7
(22) 10.11.2006
(54) PHARMACEUTICAL COMBINATIONS COMPRISING TESTOSTERONE AND TADALAFIL IN THE TREATMENT OF FEMALE SEXUAL DYSFUNCTION
(73) EB IP Lybrido B.V.
(72) TUITEN, Jan Johan Adriaan
BLOEMERS, Johannes Martinus Maria
(74) ir. C.M. Jansen c.s.
(31) 05077577
(32) 11.11.2005
(33) European Patent Office (EPO)
(47) 05.06.2019

(51) A61K 31/4985
A61P 11/14
A61K 9/20
(11) EP3377064
(21) EP16819325.8
(22) 27.12.2016
(54) ORVEPITANT FOR THE TREATMENT OF CHRONIC COUGH
(73) NeRRe Therapeutics Limited
(72) TROWER, Mike
(74) ir. J.D. de Zeeuw
(31) 201662276237 P
201662408921 P
(32) 08.01.2016
17.10.2016
(33) United States of America
United States of America
(47) 26.06.2019

(51) A61K 31/522
A61P 27/00
A61K 9/00
A61K 45/06

A61K 31/4015
A61K 31/404
A61K 31/437
A61K 31/4709
A61K 31/53
A61K 31/352
A61K 31/4375
A61K 31/44
A61K 31/4985
A61K 31/506
A61K 31/519
A61K 31/52
(11) EP2903619
(21) EP13843665.4
(22) 03.10.2013
(54) PHOSPHODIESTERASE INHIBITORS FOR TREATING TASTE AND SMELL DISORDERS
(73) Henkin, Robert I.
(72) Henkin, Robert I.
(31) 201261710674 P
201361802074 P
(32) 05.10.2012
15.03.2013
(33) United States of America
United States of America
(47) 05.06.2019

(51) A61K 31/522
C07D 239/74
C07D 403/06
C07D 403/14
C07D 413/14
C07B 59/00
A61K 51/04
(11) EP2435048
(21) EP10781130.9
(22) 26.05.2010
(54) RADIOLABELED PDE10 INHIBITORS
(73) Merck Sharp & Dohme Corp.
(72) HOSTETLER, Eric
COX, Christopher, D.
FAN, Hong
(74) ir. C.M. Jansen c.s.
(31) 182149 P
(32) 29.05.2009
(33) United States of America
(47) 03.07.2019

(51) A61K 31/715
C08B 37/00
(11) EP2978433
(21) EP14711957.2
(22) 18.03.2014
(54) POLYSIALIC ACID AND USE FOR TREATMENT OF NEURODEGENERATIVE AND NEUROINFLAMMATORY DISEASES
(73) Rheinische Friedrich-Wilhelms-Universität Bonn
Universität zu Köln
(72) NEUMANN, Harald
KOPATZ, Jens
SHAHRAZ, Anahita
KARLSTETTER, Marcus
LANGMANN, Thomas
(74) M.A.T. Beck MSc LL.B
(31) 13161689
(32) 28.03.2013
(33) European Patent Office (EPO)
(47) 05.06.2019

(51) A61K 33/42
C01B 25/37
(11) EP2421543
(21) EP10767776.7
(22) 22.04.2010
(54) DUAL-PHASE CALCIUM PHOSPHATE CEMENT COMPOSITION
(73) American Dental Association Foundation
(72) CHOW, Laurence C.
SHOZO, Takagi
(74) J.M.H. Duyver lic.
(31) 171691 P
(32) 22.04.2009
(33) United States of America
(47) 12.06.2019

(51) A61K 35/15
A61K 39/00
A61P 35/00
(11) EP3454871
(21) EP17825774.7
(22) 11.12.2017
(54) ENGINEERED NATURAL KILLER CELLS AND USES THEREOF
(73) Onkimmune Limited
(72) O'DWYER, Michael Eamon Peter
(74) dr. A. Krebs
(31) 201662432302 P
(32) 09.12.2016
(33) United States of America
(47) 26.06.2019

(51) A61K 38/00
A61K 38/48
C12N 9/64
(11) EP2938351
(21) EP13867801.6
(22) 23.12.2013
(54) SHORT-ACTING FACTOR VII POLYPEPTIDES
(73) Coagulant Therapeutics Corporation
(72) BAUZON, Maxine
HERMISTON, Terry
(74) dr. A. Krebs
(31) 201261745674 P
201361787026 P
(32) 24.12.2012
15.03.2013
(33) United States of America
United States of America
(47) 26.06.2019

(51) A61K 38/00
A61K 38/48
C12N 9/64
(11) EP3165232
(21) EP16196780.7
(22) 23.12.2013
(54) SHORT-ACTING FACTOR VII POLYPEPTIDES
(73) Coagulant Therapeutics Corporation
(72) Bauzon, Maxine
Hermiston, Terry
(74) dr. A. Krebs
(31) 201261745674 P
201361787026 P
(32) 24.12.2012
15.03.2013
(33) United States of America
United States of America
(47) 10.07.2019

(51) A61K 38/00
C07K 14/505
C12N 9/02
C12N 9/06
C12N 15/82
C07K 14/415
(11) EP2994479
(21) EP14720988.6
(22) 05.05.2014
(54) MODIFIED EXPRESSION OF PROLYL-4-HYDROXYLASE IN PHYSCOITRELLA PATENS
(73) Albert-Ludwigs-Universität Freiburg
Universität für Bodenkultur Wien
(72) RESKI, Ralf
PARSONS, Juliana
ALTMANN, Friedrich
GRAF, Manuela
DECKER, Eva
STADLMANN, Johannes
(74) ir. C.M. Jansen c.s.
(31) 201308120
(32) 06.05.2013
(33) United Kingdom
(47) 19.06.2019

(51) A61K 38/10
A61P 25/00
(11) EP2732823
(21) EP14154831.3
(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
(74) J.M.H. Duyver lic.
(31) 200800880
75627 P
(32) 25.06.2008
25.06.2008
(33) Denmark
United States of America
(47) 07.08.2019

(51) A61K 38/17
A61P 35/04
(11) EP3076988
(21) EP14824545.9
(22) 04.12.2014
(54) PHARMACEUTICAL COMPOSITIONS AND METHODS FOR THE TREATMENT AND PREVENTION OF METASTATIC CANCER
(73) Immune System Key Ltd.
(72) DEVARY, Yoram
SANDLER, Uziel
(74) ir. C.M. Jansen c.s.
(31) 201361912156 P
(32) 05.12.2013
(33) United States of America
(47) 05.06.2019

(51) A61K 38/22
C07K 14/64
C07K 17/08
C07H 21/04
C07K 1/04

C12N 1/19
C12P 21/02
C12N 1/21
A61P 9/00
A61P 9/10
A61P 31/00
A61P 17/02
A61P 25/28
(11) EP2605789
(21) EP11818758.2
(22) 17.08.2011
(54) MODIFIED RELAXIN POLYPEPTIDES AND THEIR USES
(73) Ambrx, Inc.
(72) KRAYNOV, Vadim
KNUDSEN, Nick
HEWET, Amha
DE DIOS, Kristine
PINKSTAFF, Jason
SULLIVAN, Lorraine
(31) 374582 P
(32) 17.08.2010
(33) United States of America
(47) 05.06.2019

(51) A61K 39/00
A61K 39/095
G01N 33/569
(11) EP2612148
(21) EP11758029.0
(22) 02.09.2011
(54) BACTERICIDAL ANTIBODY ASSAYS TO ASSESS IMMUNOGENICITY AND POTENCY OF MENINGOCOCCAL CAPSULAR SACCHARIDE VACCINES
(73) GlaxoSmithKline Biologicals SA
(72) BALOCCHI, Cristiana
LUZZI, Enrico
PALUDI, Marilena
GIULIANI, Marzia, Monica
DONNELLY, John
MORI, Elena
(74) ir. F.A. Geurts c.s.
(31) 380220 P
(32) 04.09.2010
(33) United States of America
(47) 12.06.2019

(51) A61K 39/00
A61K 39/385
A61K 39/145
C07H 3/00
C12N 7/00
A61K 39/095
A61K 39/102
(11) EP1896061
(21) EP06754582.2
(22) 23.06.2006
(54) IMMUNOGENIC COMPOSITION
(73) GlaxoSmithKline Biologicals S.A.
(72) BIEMANS, Ralph L. GlaxoSmithKline Biologicals s.a.
BOUTRIAU, Dominique GlaxoSmithKline Biologicals s.a.
CAPIAU, Carine GlaxoSmithKline Biologicals s.a.
DENOEL, Philippe GlaxoSmithKline Biologicals s.a.
DUVIVIER, Pierre GlaxoSmithKline Biologicals s.a.
POOLMAN, Jan GlaxoSmithKline Biologicals s.a.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0513071
0513069
0515556
0524204
0526040
0526041
(32) 27.06.2005
27.06.2005
28.07.2005
28.11.2005
21.12.2005
21.12.2005
(33) United Kingdom
United Kingdom
United Kingdom
United Kingdom
United Kingdom
United Kingdom
(47) 12.06.2019

(51) A61K 39/00
A61K 39/395
A61P 9/10
C07K 16/40
(11) EP3003361
(21) EP14733889.1
(22) 30.05.2014
(54) METHODS FOR REDUCING REMNANT CHOLESTEROL AND OTHER LIPOPROTEIN FRACTIONS BY ADMINISTERING AN INHIBITOR OF PROPROTEIN CONVERTASE SUBTILISIN KEXIN-9 (PCSK9)
(73) Regeneron Pharmaceuticals, Inc.
(72) SWERGOLD, Gary
SASIELA, William, J.
PORDY, Robert, C.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361828753 P
201361901705 P
201361919836 P
201461935358 P
201461953959 P
201461991738 P
201414290544
(32) 30.05.2013
08.11.2013
23.12.2013
04.02.2014
17.03.2014
12.05.2014
29.05.2014
(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
(47) 03.07.2019

(51) A61K 39/00
C07K 14/35
C12N 15/85
C07K 14/705
C07K 16/28
(11) EP2903637
(21) EP13844468.2
(22) 02.10.2013
(54) COMPOSITIONS AND METHODS FOR IMMUNOTHERAPY
(73) Memorial Sloan-Kettering Cancer Center
(72) KLOSS, Christopher C.
SADELAIN, Michel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261709072 P
(32) 02.10.2012
(33) United States of America
(47) 12.06.2019

(51) A61K 39/00
C07K 14/82
C07K 14/47
G01N 33/574
C12N 15/86
(11) EP2895191
(21) EP13773456.2
(22) 13.09.2013
(54) BRACHYURY PROTEIN, ADENOVIRAL VECTORS ENCODING BRACHYURY PROTEIN, AND THEIR USE
(73) The U.S.A. as represented by the Secretary, Department of Health and Human Services
(72) SCHLOM, Jeffrey
PALENA, Claudia, M.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261701525 P
(32) 14.09.2012
(33) United States of America
(47) 05.06.2019

(51) A61K 45/06
A61K 31/11
A61K 31/121
A61K 31/437
A61P 35/00
(11) EP3188721
(21) EP15853030.3
(22) 16.10.2015
(54) HUMAN THERAPEUTIC AGENTS
(73) Ankh Life Sciences Limited
(72) ZAID, Gene H.
BURGOYNE, Thomas W.
(74) dr. W.A.H.M. Van Borm
(31) 201462066686 P
201562161090 P
201514721011
201562184051 P
(32) 21.10.2014
13.05.2015
26.05.2015
24.06.2015
(33) United States of America
United States of America
United States of America
United States of America
(47) 12.06.2019

(51) A61K 45/06
C07K 14/00
A61K 38/26
C07K 14/605
(11) EP3368061
(21) EP16785669.9
(22) 14.10.2016
(54) GLUCAGON RECEPTOR AGONISTS
(73) Elanco US Inc.
(72) COSKUN, Tamer

ALSINA-FERNANDEZ, Jorge
(74) ir. J.C. Volmer c.s.
(31) 201562246199 P
(32) 26.10.2015
(33) United States of America
(47) 07.08.2019

(51) A61K 47/24
A61K 8/55
A61K 9/08
A61K 8/34
A61K 8/37
A61K 8/891
A61K 47/10
A61K 47/14
(11) EP3068437
(21) EP14861615.4
(22) 06.11.2014
(54) SPRAYABLE TOPICAL CARRIER AND COMPOSITION COMPRISING PHOSPHATIDYLCHOLINE
(73) Lipidor AB
(72) HERSLÖF, Bengt
HOLMBÄCK, Jan
(74) drs. C.M.A. Quintelier
(31) 1300710
(32) 14.11.2013
(33) Sweden
(47) 19.06.2019

(51) A61K 47/60
C07K 14/47
A61K 38/00
A61P 27/02
A61P 35/00
(11) EP2563400
(21) EP11716429.3
(22) 29.04.2011
(54) Modified binding proteins inhibiting the VEGF-A receptor interaction
(73) Molecular Partners AG
(72) BINZ, Hans Kaspar
FORRER, Patrik
STUMPP, Michael Tobias
(74) drs. C.M.A. Quintelier
(31) 10161685
(32) 30.04.2010
(33) European Patent Office (EPO)
(47) 10.07.2019

(51) A61K 47/68
C07K 1/107
C07K 14/62
A61K 38/28
(11) EP2966083
(21) EP14760968.9
(22) 05.03.2014
(54) IMPROVED PREPARATION METHOD FOR HIGH-YIELD PRODUCTION OF PHYSIOLOGICALLY ACTIVE POLYPEPTIDE CONJUGATE
(73) Hanmi Pharm. Co., Ltd.
(72) JANG, Myung Hyun
KIM, Min Young
KIM, Dae Jin
JUNG, Sung Youb
KWON, Se Chang
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130023602
(32) 05.03.2013
(33) Korea (Republic)
(47) 05.06.2019

(51) A61K 48/00
A61K 31/7105
A61K 31/7088
A61P 35/00
(11) EP2790738
(21) EP12858619.5
(22) 14.12.2012
(54) COLLATERAL GENE INACTIVATION BIOMARKERS AND TARGETS FOR CANCER THERAPY
(73) The Board of Regents of The University of Texas System
Dana-Farber Cancer Institute, Inc.
(72) MULLER, Florian, L.
FLETCHER-SANANIKONE, Eliot
COLLA, Simona
AQUILANTI, Elisa
DEPINHO, Ronald
(74) ir. W.J.J.M. Kempes
(31) 201161570366 P
201261652738 P
(32) 14.12.2011
29.05.2012
(33) United States of America
United States of America
(47) 14.08.2019

(51) A61L 2/26
(11) EP3370781
(21) EP16791393.8
(22) 04.11.2016
(54) A FACILITY, AN UNMANNED VEHICLE AND METHOD FOR PROCESSING OF DIRTY SURGICAL INSTRUMENTS
(73) Ken Hygiene Systems A/S
(72) RASMUSSEN, Kim
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 15193473
(32) 06.11.2015
(33) European Patent Office (EPO)
(47) 14.08.2019

(51) A61L 2/28
A61C 19/00
(11) EP3299036
(21) EP16190798.5
(22) 27.09.2016
(54) VALIDATION SET AND METHOD FOR TESTING THE CLEANING PERFORMANCE OF A CLEANING DEVICE
(73) XYLEM Analytics Germany GmbH
(72) Streller, Robert
Beyer, Klaus
(74) dr. A. Krebs
(47) 12.06.2019

(51) A61L 9/03
A61L 9/12
(11) EP3229850
(21) EP15841084.5
(22) 09.12.2015
(54) AIR SCENTING DEVICE AND AN ASSEMBLY OF THE AIR SCENTING DEVICE WITH A SCENT MODULE
(73) Common Sense Holding B.V.
(72) KUIJPER, Ewoud Kees
(74) ir. H.Th. van den Heuvel c.s.
(31) 2013945
(32) 09.12.2014
(33) Netherlands
(47) 12.06.2019

(51) A61L 27/00
C12N 5/00
A61L 27/22
A61L 27/56
C08J 9/28
(11) EP3210634
(21) EP15853265.5
(22) 22.10.2015
(54) METHOD FOR PREPARING MICROCARRIERS, MICROCARRIERS AND APPLICATION THEREOF
(73) FUJIFILM Corporation
(72) VAN SPREUWEL-GOOSSENS, Carolina Antonia Francina
(74) ir. C.M. Jansen c.s.
(31) 201418787
201418789
(32) 22.10.2014
22.10.2014
(33) United Kingdom
United Kingdom
(47) 10.07.2019

(51) A61L 27/20
A61L 27/36
A61L 27/52
C08L 5/08
A61L 27/22
A61K 8/64
A61K 8/73
A61Q 19/08
C08B 37/08
C08H 1/00
C08J 3/075
C08J 3/24
C08L 89/00
(11) EP2988791
(21) EP14725886.7
(22) 21.04.2014
(54) CROSS LINKED SILK-HYALURONIC ACID COMPOSITION
(73) ALLERGAN, INC.
(72) PAVLOVIC, Elizabeta
SERBAN, Monica A.
YU, Xiaojie
MANESIS, Nicholas J.
(74) mr.ir. F.N. Ferro
(31) 201313868010
(32) 22.04.2013
(33) United States of America
(47) 12.06.2019

(51) A61L 27/36
A01N 27/00
A61F 2/00
A61K 35/54
A61K 35/50
C12N 5/00
(11) EP2700309
(21) EP13182157.1
(22) 26.03.2003
(54) COMPOSITIONS COMPRISING A COLLAGEN BIOFABRIC FOR USE IN TREATING DISEASES AND DISORDERS
(73) Celularity, Inc.
(72) Hariri, Robert J.
Kaplunovsky, Aleksandr, M.
Murphy, Patricia, A.

(74) ir. M.F.J.M. Ketelaars c.s.
(31) 106653
(32) 26.03.2002
(33) United States of America
(47) 05.06.2019

(51) A61M 1/00
(11) EP2911714
(21) EP13792519.4
(22) 22.10.2013
(54) WASTE COLLECTION SYSTEM FOR MEDICAL/SURGICAL WASTE HAVING A MOBILE CART WITH A VACUUM SOURCE AND A MOBILE CART WITH A WASTE CONTAINER THAT IS COUPLED TO THE CART WITH THE SUCTION PUMP
(73) Stryker Corporation
(72) REASONER, Stephen, J.
HENNIGES, Bruce
CARUSILLO, Steven
MACLACHLAN, Brian
(74) J.M.H. Duyver lic.
(31) 201261717793 P
(32) 24.10.2012
(33) United States of America
(47) 12.06.2019

(51) A61M 1/02
B04B 5/04
B04B 7/00
B04B 7/08
A61M 1/36
(11) EP3209347
(21) EP14815882.7
(22) 23.10.2014
(54) AUTOTRANSFUSION SYSTEM
(73) Sorin Group Italia S.r.l.
(72) GALAVOTTI, Andrea
MACULAN, Elisa
SIMONINI, Giampaolo
PANZANI, Ivo
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 03.07.2019

(51) A61M 5/178
A61M 5/28
A61M 5/24
(11) EP3060275
(21) EP14792707.3
(22) 22.10.2014
(54) INJECTOR AND METHOD OF ASSEMBLY
(73) Amgen Inc.
(72) GIBSON, Scott, R.
(74) ir. W.J.J.M. Kempes
(31) 201361895390 P
(32) 24.10.2013
(33) United States of America
(47) 03.07.2019

(51) A61M 5/20
A61M 5/24
A61M 5/42
A61M 5/32
A61M 5/315
A61M 5/46
A61M 5/34
(11) EP2844317
(21) EP13719048.4
(22) 17.04.2013
(54) INTRADERMAL INJECTION DEVICE
(73) Universiteit Antwerpen
Voxdale BVBA
(72) VAN DAMME, Pierre
VANKERCKHOVEN, Vanessa
VERWULGEN, Stijn
CAMERLYNCK, Ruben
COEMANS, Wouter
SCHEELEN, Linda
BEYERS, Koen Catharina Lodewijk
VERLEIJE, Bart
BOUDEWIJNS, Wim
(31) 201206766
(32) 17.04.2012
(33) United Kingdom
(47) 05.06.2019

(51) A61M 15/00
(11) EP3226948
(21) EP15812911.4
(22) 04.12.2015
(54) INHALATION MONITORING SYSTEM
(73) Norton (Waterford) Limited
(72) MILTON-EDWARDS, Mark
CHRYSTYN, Henry
MORRISON, Mark S.
WEITZEL, Douglas E.
(74) dr. A. Krebs
(31) 201462087567 P
201462087571 P
201514802675
(32) 04.12.2014
04.12.2014
17.07.2015
(33) United States of America
United States of America
United States of America
(47) 21.08.2019

(51) A61M 16/06
A61M 16/08
(11) EP2844322
(21) EP13784280.3
(22) 16.04.2013
(54) NASAL INTERFACE FOR USE WITH A NASAL AIRWAY PRESSURE SYSTEM
(73) CareFusion 207, Inc.
(72) PORTEOUS, Eric
PIERRO, Brian W.
MANSOUR, Khalid Said
WISE, Geoff
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201213460643
(32) 30.04.2012
(33) United States of America
(47) 05.06.2019

(51) A61M 25/00
A61M 25/10
A61M 25/04
(11) EP2244776
(21) EP08872801.9
(22) 17.12.2008
(54) FLUID DRAINAGE CATHETER HAVING AN EXTERNAL FLOW PATH
(73) Hollister Incorporated
(72) HANNON, David
CISKO, George, J., Jr.
(74) ir. W.J.J.M. Kempes
(31) 32253 P
(32) 28.02.2008
(33) United States of America
(47) 03.07.2019

(51) A61M 25/09
A61M 25/10
A61M 25/00
(11) EP3218041
(21) EP15797803.2
(22) 13.11.2015
(54) DEVICES FOR FLOW OCCLUSION DURING DEVICE EXCHANGES
(73) Access Closure, Inc.
(72) HUNDERTMARK, Ronald, R.
JOE, Wesley, C.
HASSAN, Ali
YAZBECK, Richard, D.
(74) ir. C.M. Jansen c.s.
(31) 201414542315
(32) 14.11.2014
(33) United States of America
(47) 12.06.2019

(51) A61N 1/36
A61N 1/372
G06F 19/00
(11) EP3285855
(21) EP16721028.5
(22) 20.04.2016
(54) SYSTEMS FOR PROGRAMMING NEUROMODULATION DEVICES
(73) Boston Scientific Neuromodulation Corporation
(72) CARUSO, Michael Andrew
CHEN, Dean
CARCIERI, Stephen
MOFFITT, Michael A.
YOO, Peter J.
VANSICKLE, Dennis Allen
KOTHANDARAMAN, Sridhar
(74) ir. A.R. Aalbers
(31) 201562150935 P
201562273508 P
(32) 22.04.2015
31.12.2015
(33) United States of America
United States of America
(47) 26.06.2019

(51) A61N 5/10
(11) EP3223905
(21) EP15800850.8
(22) 25.11.2015
(54) MASK FOR RADIATION DOSIMETRY
(73) SCK CEN
(72) D'AGOSTINO, Emiliano
DE FREITAS NASCIMENTO, Luana
VANHAVERE, Filip
SALDARRIAGA VARGAS, Clarita
DE SAINT-HUBERT, Marijke
(31) 201420950
(32) 25.11.2014
(33) United Kingdom
(47) 12.06.2019

(51) A63C 5/04
A63C 5/048
(11) EP3045212
(21) EP15468001.1
(22) 19.01.2015
(54) Ski edge and sidewall cross section profile
(73) FLISEK razvoj, proizvodnja in trgovina z izdelki za sport d.o.o.
(72) FLISEK, Mojmir

(74) ir. M.F.J.M. Ketelaars c.s.
(47) 12.06.2019

(51) A63D 15/08
A63D 15/12
(11) EP2978512
(21) EP15769660.0
(22) 20.03.2015
(54) CUE SHAFT TIP INSERT
(73) Clawson Custom Cues, Inc.
(72) COSTAIN, Paul D.
(74) ir. C.M. Jansen c.s.
(31) 201461969562 P
(32) 24.03.2014
(33) United States of America
(47) 12.06.2019

(51) A63H 17/26
(11) EP3378545
(21) EP18162790.2
(22) 20.03.2018
(54) MODEL VEHICLE
(73) Sieper GmbH
(72) Walter, Dominik Rüdiger
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102017002828
(32) 23.03.2017
(33) Germany
(47) 19.06.2019

(51) B01D 39/16
B01D 46/52
D04H 3/016
D04H 3/07
D04H 1/4382
D04H 3/007
D04H 3/05
(11) EP3332857
(21) EP16834986.8
(22) 27.07.2016
(54) AIR FILTER MATERIAL, FILTER PACK, AND AIR FILTER UNIT
(73) Daikin Industries, Ltd.
(72) MURAKAMI, Chizuru
HARA, Satoshi
SAKANO, Tatsumi
(74) ir. W.J.J.M. Kempes
(31) 2015157738
(32) 07.08.2015
(33) Japan
(47) 19.06.2019

(51) B01D 39/20
C08K 7/02
C08L 33/00
C08K 7/14
C08L 35/00
C08K 5/053
C08F 8/14
C08F 22/00
C08F 246/00
(11) EP1979067
(21) EP07705357.7
(22) 30.01.2007
(54) METHOD FOR MOULDING A FILTER
(73) PSI Global Ltd
(72) WALTL, Hans Gunter Alexander
FARBY, John
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0601888
(32) 31.01.2006
(33) United Kingdom
(47) 19.06.2019

(51) B01D 46/00
(11) EP3021954
(21) EP14741541.8
(22) 09.07.2014
(54) DETECTION OF A CLEANING PROCESS OF A PLANT WITH AT LEAST ONE FILTER
(73) Primetals Technologies Austria GmbH
(72) LEHOFER, Martin
ROHRHOFER, Andreas
WEINZINGER, Michael
HARTL, Franz
FISCHER, Paul
KEUSCH, Thomas
KUEHAS, Thomas
RIESE, Axel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 13176818
(32) 17.07.2013
(33) European Patent Office (EPO)
(47) 03.07.2019

(51) B01D 53/02
B01D 53/62
B01D 53/92
B01J 20/04
(11) EP2814592
(21) EP13703200.9
(22) 18.01.2013
(54) PROCESS FOR REMOVING CO2
(73) Saudi Arabian Oil Company
Research Triangle Institute
(72) HAMAD, Esam, Zaki
AL-SADAT, Wajdi, Issam
COLEMAN, Luke
SHEN, J.P.
GUPTA, Raghubir
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261588927 P
201261673395 P
(32) 20.01.2012
19.07.2012
(33) United States of America
United States of America
(47) 05.06.2019

(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
(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.
(74) ir. J.D. de Zeeuw
(31) 201261640756 P
(32) 01.05.2012
(33) United States of America
(47) 07.08.2019

(51) B01D 53/84
B01D 53/62
C12N 13/00
C12M 1/107
C12M 1/42
C12N 1/00
C12N 1/12
C12P 1/00
(11) EP2946012
(21) EP14740429.7
(22) 17.01.2014
(54) PROCESS FOR MANAGING PHOTOBIOREACTOR EXHAUST
(73) Pond Biofuels Inc.
(72) GONZALEZ, Jaime, A.
MARTIN, Steven, C.
KOLESNIK, Max
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361753711 P
201361759656 P
(32) 17.01.2013
01.02.2013
(33) United States of America
United States of America
(47) 05.06.2019

(51) B01D 67/00
B05D 3/00
C08J 7/04
C09D 183/04
H01L 21/56
D06M 11/34
B05D 3/02
D06M 14/02
D06M 14/08
D06M 15/263
D06M 15/705
D06M 15/643
B05D 3/04
(11) EP3329046
(21) EP16751731.7
(22) 29.07.2016
(54) HYPERBARIC PROCESS FOR APPLYING AND CURING AN ORGANIC POLYMERIZABLE TREATMENT
(73) Green Theme Technologies, Inc.
(72) Selwyn, Gary, S.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201562199195 P
(32) 30.07.2015
(33) United States of America
(47) 19.06.2019

(51) B01J 19/18
B01J 19/00
C07C 29/04
C07C 31/12
(11) EP2892865
(21) EP13762677.6
(22) 04.09.2013
(54) BUTENE HYDRATION PROCESS IN AN OSCILLATORY BAFFLED REACTOR
(73) Saudi Arabian Oil Company
(72) ARJAH, Abeer
XU, Wei
SHAIK, Kareemuddin, M.
(74) ir. C.M. Jansen c.s.
(31) 201261697076 P

(32) 05.09.2012
(33) United States of America
(47) 05.06.2019

(51) B01J 21/02
B01J 23/755
B01J 23/78
B01J 37/02
C01B 3/40
(11) EP2632586
(21) EP11773309.7
(22) 04.10.2011
(54) CATALYST PREPARATION METHOD
(73) Johnson Matthey Public Limited Company
(72) FORREST, Sebastian John Kipling
OLIVER, Jonathan Geoffrey
FRENCH, Samuel Arthur
CARLSSON, Mikael Per Uno
(74) ir. F.A. Geurts c.s.
(31) 201018152
(32) 27.10.2010
(33) United Kingdom
(47) 03.07.2019

(51) B01J 23/80
C07C 29/141
(11) EP2648842
(21) EP11796863.6
(22) 29.11.2011
(54) PROMOTED COPPER/ZINC CATALYST FOR HYDROGENATING ALDEHYDES TO ALCOHOLS
(73) Clariant Corporation
(72) WANG, Justin X.
SPENCER, Jason E.
CAI, Yeping
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 960808
(32) 06.12.2010
(33) United States of America
(47) 03.07.2019

(51) B01J 23/887
C07C 253/26
(11) EP3148692
(21) EP14733025.2
(22) 29.05.2014
(54) IMPROVED SELECTIVE AMMOXIDATION CATALYSTS
(73) Ineos Europe AG
(72) BRAZDIL, James, F.
TOFT, Mark, A.
BESECKER, Charles, J.
SEELY, Michael, J.
(74) ir. F.A. Geurts c.s.
(47) 10.07.2019

(51) B01J 29/06
B01J 29/08
C10G 11/05
B01J 29/16
B01J 35/02
(11) EP2604340
(21) EP13158629.9
(22) 24.02.2006
(54) Gasoline sulfur reductions catalyst for fluid catalytic cracking process
(73) W. R. Grace & Co.-Conn
(72) Hu, Ruizhong
Wormsbecher, Richard Franklin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 656461 P
(32) 25.02.2005
(33) United States of America
(47) 19.06.2019

(51) B01J 29/70
B01J 35/00
B01J 29/86
C01B 39/02
C01B 39/36
(11) EP2961528
(21) EP14709142.5
(22) 25.02.2014
(54) ZEOLITE SSZ-57 HAVING ENHANCED LARGE PORE SELECTIVITY
(73) Chevron U.S.A. Inc.
(72) ZONES, Stacey Ian
CHEN, Cong-Yan
BENIN, Annabelle
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361771069 P
(32) 28.02.2013
(33) United States of America
(47) 03.07.2019

(51) B01J 31/38
C07C 43/178
C07F 7/00
C08F 10/00
(11) EP3285923
(21) EP16718971.1
(22) 19.04.2016
(54) BRIDGED BI-AROMATIC LIGANDS AND OLEFIN POLYMERIZATION CATALYSTS PREPARED THEREFROM
(73) Univation Technologies, LLC
(72) FALER, Catherine Anne
HARLAN, C. Jeff
(74) ir. J.D. de Zeeuw
(31) 201562150124 P
(32) 20.04.2015
(33) United States of America
(47) 17.07.2019

(51) B02C 4/28
B30B 15/04
B02C 4/02
B30B 3/04
(11) EP2988874
(21) EP14719290.0
(22) 22.04.2014
(54) ROLL MILL
(73) thyssenkrupp Industrial Solutions AG
(72) FRERICH, Daniel
KÖNNING, Ludwig
HÖRSTER, Nils
PETERS, Alexander
(74) ir. C.M. Jansen c.s.
(31) 102013104097
(32) 23.04.2013
(33) Germany
(47) 05.06.2019

(51) B02C 13/09
B02C 13/284
B02C 13/04
B02C 13/06
B02C 13/28
(11) EP2987556
(21) EP15181329.2
(22) 18.08.2015
(54) GRINDING MACHINE
(73) Craco GmbH
(72) Schönenberg, Erich
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014216452
(32) 19.08.2014
(33) Germany
(47) 19.06.2019

(51) B22F 3/105
B33Y 10/00
B33Y 30/00
B33Y 50/02
B29C 64/153
B29C 64/386
(11) EP3323534
(21) EP17209698.4
(22) 11.02.2014
(54) SELECTIVE LASER SOLIDIFICATION METHOD
(73) Renishaw PLC
(72) FERRAR, Ben Ian
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201302602
201303920
201361774215 P
201361791636 P
(32) 14.02.2013
05.03.2013
07.03.2013
15.03.2013
(33) United Kingdom
United Kingdom
United States of America
United States of America
(47) 19.06.2019

(51) B23K 20/12
B23K 103/04
(11) EP2323803
(21) EP09795158.6
(22) 09.07.2009
(54) HIGH-SPEED FRICTION STIR WELDING METHOD AND DEVICE
(73) Fluor Technologies Corporation
(72) MESSER, Barry
MAKI, Dennis
(74) ir. W.J.J.M. Kempes
(31) 79388
(32) 09.07.2008
(33) United States of America
(47) 19.06.2019

(51) B29C 48/151
B29C 48/34
B29C 48/21
B29C 48/285
B29C 48/92
B29C 48/28
B29L 23/00
(11) EP2842722
(21) EP12875431.4
(22) 27.09.2012
(54) METAL/RESIN COMPOSITE PIPE THAT CAN BE EASILY WOUND INTO ANNULAR SHAPE, AND METHOD FOR MANUFACTURING SAME
(73) Kumkang Co., Ltd
(72) BANG, Manhyuk
(74) ir. J.M.G. Dohmen c.s.
(31) 20120042189
(32) 23.04.2012
(33) Korea (Republic)

(47) 24.07.2019

(51) B29C 64/112
B29C 64/106
B33Y 30/00
B29C 64/194
B33Y 40/00
B33Y 10/00
(11) EP3362260
(21) EP16785412.4
(22) 17.10.2016
(54) METHOD FOR THE PRODUCTION OF SILICONE ELASTOMER PARTS HAVING INCREASED PRINTING QUALITY
(73) Wacker Chemie AG
(72) ELLER, Klaus
DORMEIER, Siegfried
SELBERTINGER, Ernst
(74) ir. W.J.J.M. Kempes
(47) 19.06.2019

(51) B29C 65/48
B29C 65/54
B29C 65/78
B29C 65/00
C09J 5/00
F16B 11/00
(11) EP2354566
(21) EP11000171.6
(22) 12.01.2011
(54) Method for manufacturing an adhesive joint, and device for executing the method
(73) Premium AEROTEC GmbH
(72) Scholler, Jochen
(74) ir. W.J.J.M. Kempes
(31) 102010006328
(32) 29.01.2010
(33) Germany
(47) 19.06.2019

(51) B29C 70/48
B29L 31/00
(11) EP2814652
(21) EP13749152.8
(22) 13.02.2013
(54) REUSABLE CARTRIDGE FOR INJECTION MOLDING
(73) Radius Engineering Inc.
(72) HOWE, Matt
MILOVICH, Dimitrije
(74) ir. J.D. de Zeeuw
(31) 201261598295 P
(32) 13.02.2012
(33) United States of America
(47) 19.06.2019

(51) B32B 5/02
B32B 7/04
B32B 27/06
B32B 27/12
B32B 27/32
B32B 3/26
B32B 7/02
E04D 12/00
B32B 7/05
(11) EP3433094
(21) EP18714179.1
(22) 16.03.2018
(54) ROOFING UNDERLAY ESPECIALLY ENVISAGED FOR USE AS UNDER-TILE AND/OR SARKING
(73) Ewald Dörken AG
(72) FLAIG, Ronald
BACHON, Thomas
(74) ir. W.J.J.M. Kempes
(31) 102017003213
102017003364
(32) 03.04.2017
06.04.2017
(33) Germany
Germany
(47) 12.06.2019

(51) B32B 9/00
B65D 30/02
B65D 65/40
H01L 31/042
H01L 51/50
H05B 33/02
H05B 33/04
H05B 33/10
G03F 7/027
G03F 7/075
H01L 51/44
H01L 51/52
(11) EP2749409
(21) EP12826000.7
(22) 23.08.2012
(54) BARRIER LAMINATE, AND GAS BARRIER FILM
(73) FUJIFILM Corporation
(72) IWASE Eijiro
MUKAI Atsushi
TSUKAHARA Jiro
(74) ir. C.M. Jansen c.s.
(31) 2011183156
(32) 24.08.2011
(33) Japan
(47) 17.07.2019

(51) B32B 15/04
C23C 8/00
C23C 4/02
C23C 28/00
C23C 30/00
(11) EP1601527
(21) EP03755768.3
(22) 03.09.2003
(54) THERMAL BARRIER COATING HAVING LOW THERMAL CONDUCTIVITY
(73) CHROMALLOY GAS TURBINE CORPORATION
(72) LIU, Yourong
LAWTON, Paul
(74) dr. W.A.H.M. Van Borm
(31) 372570
(32) 24.02.2003
(33) United States of America
(47) 14.08.2019

(51) B32B 15/08
B32B 15/18
B32B 15/20
B32B 27/40
B63B 3/58
B63B 43/00
F41H 5/04
(11) EP2724112
(21) EP12732731.0
(22) 25.06.2012
(54) SHIPS WITH BLAST AND FRAGMENT RESISTANT WALL SECTIONS
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) ROEBROEKS, Geert
CARTON, Erik Peter
VAN ERKEL, Andre
VAN DER WAL, Rogier
(74) ir. C.M. Jansen c.s.
(31) 11171207
(32) 23.06.2011
(33) European Patent Office (EPO)
(47) 05.06.2019

(51) B32B 27/40
A45C 5/02
A45C 13/10
A45C 7/00
(11) EP3042766
(21) EP15161792.5
(22) 30.03.2015
(54) MATERIAL OF STORAGE DEVICE, STORAGE DEVICE AND A BAG THEREOF
(73) Bourgeois, Michael L. Jean-Raymond
(72) Bourgeois, Michael L. Jean-Raymond
Wong, Cheuk Yiu
(74) drs. C.M.A. Quintelier
(31) 15100210
(32) 08.01.2015
(33) Hong Kong
(47) 29.05.2019

(51) B41C 1/05
B41N 1/06
(11) EP3354460
(21) EP18150168.5
(22) 03.01.2018
(54) METHOD FOR ENGRAVING AN INTAGLIO DEEP PRESSURE PLATE
(73) Oesterreichische Banknoten- und Sicherheitsdruck GmbH
(72) GASSNER, Thomas
SAMBOLEC, Drazen
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 500612017
(32) 30.01.2017
(33) Austria
(47) 07.08.2019

(51) B41F 13/58
B65H 23/188
B41F 13/56
B26D 5/32
(11) EP2108511
(21) EP09157125.7
(22) 01.04.2009
(54) CUT REGISTER REGULATION
(73) manroland Goss web systems GmbH
(72) Klemm, Andreas
Seebauer, Jan
(74) ir. P.J. Hylarides c.s.
(31) 102008017532
(32) 03.04.2008
(33) Germany
(47) 26.06.2019

(51) B41F 21/00
B65H 23/16
B65H 23/26
B65H 23/038
(11) EP3177554
(21) EP15747405.7
(22) 23.07.2015

(54) WEB GUIDING DEVICE AND DEVICE FOR PROCESSING A WEB OF MATERIAL
(73) Leonhard Kurz Stiftung & Co. KG
(72) JENA, Hans-Peter
(74) ir. J.M.G. Dohmen c.s.
(31) 102014111312
(32) 07.08.2014
(33) Germany
(47) 14.08.2019

(51) B41J 3/36
B41J 15/04
B41J 32/00
B65H 19/12
(11) EP2415610
(21) EP10758552.3
(22) 26.03.2010
(54) TAPE CASSETTE
(73) Brother Kogyo Kabushiki Kaisha
(72) YAMAGUCHI, Koshiro
KATO, Tsutomu
KATO, Masato
IRIYAMA, Yasuhiro
SHIBATA, Yasuhiro
IMAMAKI, Teruo
SAGO, Akira
NAGAE, Tsuyoshi
HORIUCHI, Takashi
SUGINO, Tomohiko
NODA, Kengo
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2009088440
2009088456
2009088468
2009088441
2009088460
2009086172
2009086184
2009086201
2009086222
2009088227
2009088238
2009088241
2009156398
2009156399
2009156403
2009156404
2009156355
2009156357
2009156369
2009154695
2009156350
2009208321
2009270056
2009270325
2009270067
2009269693
2009270163
(32) 31.03.2009
31.03.2009
31.03.2009
31.03.2009
31.03.2009
31.03.2009
31.03.2009
31.03.2009
31.03.2009
31.03.2009
31.03.2009
30.06.2009
30.06.2009
30.06.2009
30.06.2009
30.06.2009
30.06.2009
30.06.2009
30.06.2009
09.09.2009
27.11.2009
27.11.2009
27.11.2009
27.11.2009
27.11.2009
(33) Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
(47) 03.07.2019

(51) B60B 21/02
B60B 3/04
(11) EP2655086
(21) EP11819065.1
(22) 12.12.2011
(54) VEHICLE WHEEL FOR COMMERCIAL VEHICLES
(73) Accuride Wheels Solingen GmbH
(72) BÜCHEL, Hans-Heiner
SCHUMACHER, Jörg
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102010056419
202011102515 U
(32) 23.12.2010
22.06.2011
(33) Germany
Germany
(47) 03.07.2019

(51) B60C 11/00
B29D 30/60
(11) EP3288781
(21) EP16701495.0
(22) 26.01.2016
(54) PNEUMATIC VEHICLE TIRE HAVING A TREAD
(73) Continental Reifen Deutschland GmbH
(72) JABRI, Mohamed Aymen
PAVON SIERRA, Viktoria
KASTENS, Sven
(74) ir. W.J.J.M. Kempes
(31) 102015207937
(32) 29.04.2015
(33) Germany
(47) 19.06.2019

(51) B60C 11/03
B60C 11/01
(11) EP2794298
(21) EP12799144.6
(22) 06.12.2012
(54) TREAD PROFILE OF PNEIMATIC TIRE
(73) Continental Reifen Deutschland GmbH
(72) BEHR, Ulrich
(74) ir. W.J.J.M. Kempes
(31) 102011056576
(32) 19.12.2011
(33) Germany
(47) 19.06.2019

(51) B60K 1/04
B60L 1/02
H01F 38/14
H02J 50/10
H02J 50/90
B60L 11/18
H02J 7/00
H02J 7/02
(11) EP3110656
(21) EP15706835.4
(22) 27.02.2015
(54) INDUCTIVE POWER TRANSFER WITH INDUCTIVE POWER TRANSFER PAD
(73) Bombardier Primove GmbH
(72) WECHSLER, Simon
GUNT, Roman
(74) ir. C.M. Jansen c.s.
(31) 201403548
(32) 28.02.2014
(33) United Kingdom
(47) 12.06.2019

(51) B60L 11/18
B60L 3/00
B60L 3/04
H02H 3/16
(11) EP2783902
(21) EP14152077.5
(22) 22.01.2014
(54) Power supply control device for charging an electric vehicle
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) Inagaki, Noboru
Nakamura, Shinichi
Akioka, Takao
(74) ir. W.J.J.M. Kempes
(31) 2013069916
(32) 28.03.2013
(33) Japan
(47) 19.06.2019

(51) B60R 16/023
H01R 12/70
H05K 5/00
(11) EP3046811

(21) EP14748109.7
(22) 17.07.2014
(54) CONTACT SYSTEM FOR PLUG-IN CONNECTIONS ON ELECTRONICS HOUSINGS
(73) WABCO GmbH
(72) KORTLANG, Tobias
(74) ir. W.J.J.M. Kempes
(31) 102013015593
(32) 19.09.2013
(33) Germany
(47) 19.06.2019

(51) B60T 13/26
B60T 8/17
B60T 13/38
B60T 13/68
(11) EP3286049
(21) EP16717175.0
(22) 20.04.2016
(54) PARKING BRAKE ARRANGEMENT FOR VEHICLES
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) LEINUNG, Andreas
MICHALSKI, Max
USLU, Mustafa
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015106147
(32) 22.04.2015
(33) Germany
(47) 12.06.2019

(51) B61C 5/00
(11) EP3078561
(21) EP15305522.3
(22) 09.04.2015
(54) A RAILWAY TRACTION VEHICLE WITH A MODULAR FUEL GAS TANK
(73) ALSTOM Transport Technologies
(72) Schwab, Wolfram
(74) ir. A.R. Aalbers
(47) 19.06.2019

(51) B61D 17/08
B62D 25/02
(11) EP3061663
(21) EP15156447.3
(22) 25.02.2015
(54) Vehicle wall with reinforcement bulkhead
(73) EDAG Engineering GmbH
Siemens Mobility GmbH
(72) Dr. Hillebrecht, Martin
Brandhorst, Michael
Orloff, Sven
Bißels, Stephan
Günther, René
Kuhn, Daniel
(74) ir. F.A. Geurts c.s.
(47) 03.07.2019

(51) B61L 15/00
(11) EP2995529
(21) EP15183690.5
(22) 03.09.2015
(54) DEVICE FOR CONFIRMING THE INTEGRITY OF A COUPLING OF A RAIL VEHICLE AND ASSOCIATED RAIL VEHICLE
(73) ALSTOM Transport Technologies
(72) HENRY, Frédéric
ANDRE, Brice
(74) ir. A.R. Aalbers
(31) 1458474
(32) 10.09.2014
(33) France
(47) 12.06.2019

(51) B62D 1/184
B62D 1/189
(11) EP3348450
(21) EP18150021.6
(22) 02.01.2018
(54) STEERING COLUMN
(73) MMX - Meccanoplast S.R.L.
(72) MAZZA, Leandro
(74) ir. F.A. Geurts c.s.
(31) 201700002675
(32) 12.01.2017
(33) Italy
(47) 10.07.2019

(51) B62D 7/06
B62D 7/18
(11) EP3331750
(21) EP16790754.2
(22) 29.07.2016
(54) A JOINT SYSTEM
(73) Yuksel, Ergin
(72) Yuksel, Ergin
(74) ir. J.C. Volmer c.s.
(31) 201509688
(32) 05.08.2015
(33) Turkey
(47) 05.06.2019

(51) B62J 1/10
(11) EP3028929
(21) EP14196193.8
(22) 04.12.2014
(54) Bicycle saddle
(73) Hsu, Chung-Ying
Lai, Chien-Shun
Lee, Chia-Wen
(72) Hsu, Chung-Ying
Lai, Chien-Shun
Lee, Chia-Wen
(74) ir. M.B. Plaggenborg
(47) 12.06.2019

(51) B62K 25/04
B62M 7/00
B62K 15/00
B62K 11/10
B62M 7/12
(11) EP3057859
(21) EP14798985.9
(22) 14.10.2014
(54) ELECTRIC MOTORCYCLE EQUIPPED WITH SUITABLE DESIGN FEATURES FOR MAKING ITS MAINTENANCE SIMPLER
(73) Di Benedetto, Mauro Stefano
(72) Di Benedetto, Mauro Stefano
(74) ir. C.M. Jansen c.s.
(31) VE20130055
(32) 18.10.2013
(33) Italy
(47) 05.06.2019

(51) B63B 27/14
B63B 27/30
(11) EP3227175
(21) EP15841078.7
(22) 03.12.2015
(54) A MOTION COMPENSATION DEVICE
(73) Ampelmann Holding B.V.
(72) SCHINKEL, Michaël Hubert
SCHINKEL, Edouard Frans Alexander
(74) ir. C.M. Jansen c.s.
(31) 2013933
2014631
(32) 05.12.2014
14.04.2015
(33) Netherlands
Netherlands
(47) 12.06.2019

(51) B63B 39/06
B63B 39/04
(11) EP3325338
(21) EP16750533.8
(22) 14.07.2016
(54) ACTIVE ROLL STABILISATION SYSTEM FOR DAMPING A SHIP'S MOTION
(73) Quantum Controls B.V.
(72) KOOP, Mattheus Theodorus
DINNISSEN, Lambertus Johannes Maria
(74) ir. J.M.G. Dohmen c.s.
(31) 2015217
(32) 24.07.2015
(33) Netherlands
(47) 26.06.2019

(51) B64D 11/00
(11) EP3154858
(21) EP15713355.4
(22) 12.03.2015
(54) APPARATUS FOR PROVIDING ATTITUDE REFERENCE FOR VEHICLE PASSENGERS
(73) B/E Aerospace, Inc.
(72) BRAUER, R., Klaus
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201462011886 P
(32) 13.06.2014
(33) United States of America
(47) 19.06.2019

(51) B64D 11/06
B63B 29/04
B61D 33/00
B60N 2/433
B60N 2/24
B60N 2/22
B60N 2/02
F16F 9/02
A47C 1/027
(11) EP3303052
(21) EP16739015.2
(22) 14.05.2016
(54) DEVICE FOR RELEASING A GAS SPRING AND SEAT UNIT WITH ADJUSTABLE BACKREST WITH A GAZ SPRING AND SAID DEVICE
(73) Wandschneider, Guido
(72) Wandschneider, Guido
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 202015003901 U
(32) 05.06.2015
(33) Germany
(47) 19.06.2019

(51) B65B 5/06
B65B 5/08

B65B 31/00
B65B 35/24
B65B 43/44
B31B 70/98
B65B 43/12
B25J 11/00
B25J 15/00
B65G 47/90
(11) EP2986446
(21) EP14722376.2
(22) 18.04.2014
(54) POUCH COLLECTION ROBOT SYSTEM AND METHOD FOR THE ASSEMBLY AND COLLECTION OF NON-FILLED SPOUTED POUCHES
(73) Scholle IPN IP B.V.
(72) LAST, Laurens
(74) ir. J.C. Volmer c.s.
(31) PCT/NL2013/050297
(32) 19.04.2013
(33) World Intellectual Property Office (WIPO)
(47) 17.07.2019

(51) B65B 5/10
G07F 17/00
A61J 7/00
A61J 7/02
G06F 19/00
G16H 20/13
(11) EP2896572
(21) EP14156659.6
(22) 25.02.2014
(54) Medical pill dispensing system
(73) Meditab Software Inc.
(72) Patel, Miteshkumar Ishwarbhai
Khan, Feros Khan Seyed Yousuf
Shkapov, Sergey
(74) ir. H.J.G. Lips c.s.
(31) 201414155822
(32) 15.01.2014
(33) United States of America
(47) 19.06.2019

(51) B65B 41/16
B65B 51/26
B65B 9/20
(11) EP3424829
(21) EP17382443.4
(22) 07.07.2017
(54) VERTICAL PACKAGING MACHINE
(73) Ulma Packaging Technological Center, S. Coop
(72) OTXOA-AIZPURUA CALVO, Alberto
AYALA MARTIN, Maitane
IZQUIERDO EREÑO, Eneko
(74) ir. W.J.J.M. Kempes
(47) 12.06.2019

(51) B65B 51/26
B65B 61/18
B65B 9/20
(11) EP3122639
(21) EP15719592.6
(22) 25.03.2015
(54) METHOD FOR THE PRODUCTION OF THE FILM TUBE BAG AND THE VERTICAL FORM FILL SEAL PACKAGING MACHINE TO IMPLEMENT THE METHOD
(73) Velteko, s.r.o.
(72) ZAJIC, Miloslav
SMÍD, Frantisek
(74) ir. P.J. Hylarides c.s.
(31) 20140199
(32) 27.03.2014
(33) Czech Republic
(47) 05.06.2019

(51) B65B 61/00
B29C 65/00
B65B 61/18
B65D 75/00
B65D 75/28
B65D 75/56
B65D 75/58
B65B 3/04
(11) EP3280648
(21) EP16718079.3
(22) 06.04.2016
(54) FLEXIBLE CONTAINER WITH FITMENT
(73) Dow Global Technologies LLC
(72) WILKES, Kenneth, R.
GASTON, Ryan, S.
BONEKAMP, Jeffrey, E.
TIWARI, Rashi
VANSUMEREN, Mark, W.
(74) ir. J.D. de Zeeuw
(31) 201562146021 P
(32) 10.04.2015
(33) United States of America
(47) 03.07.2019

(51) B65D 17/00
B41M 5/26
G06K 19/06
(11) EP3279104
(21) EP17179610.5
(22) 27.09.2012
(54) METHOD OF PROVIDING MACHINE READABLE INFORMATION ON CAN ENDS
(73) Crown Packaging Technology, Inc.
(72) McGIRR, Laura Jane
RAMSEY, Christopher Paul
(74) ir. P.J. Hylarides c.s.
(31) 201161539784 P
(32) 27.09.2011
(33) United States of America
(47) 12.06.2019

(51) B65D 25/28
B65D 1/42
B65D 45/22
B65D 21/02
B65D 1/22
(11) EP3284690
(21) EP17185108.2
(22) 07.08.2017
(54) PLASTIC CONTAINER
(73) Rotho Kunststoff AG
(72) THOMA, Christian
MEIER, Bruno
VISENTIN, Marco
(74) J.M.H. Duyver lic.
(31) 202016104490 U
(32) 15.08.2016
(33) Germany
(47) 03.07.2019

(51) B65D 43/16
B65D 43/22
B65D 51/24
(11) EP3206962
(21) EP15766714.8
(22) 09.09.2015
(54) FLIP TOP PLASTIC LID
(73) MJN U.S. Holdings LLC
(72) WIGGINS, Robin P.
KAHN, Johanna
(74) ir. W.J.J.M. Kempes
(31) 201414515086
(32) 15.10.2014
(33) United States of America
(47) 26.06.2019

(51) B65D 71/28
B65D 5/468
B65D 5/02
B65D 5/42
B65D 5/54
B65D 71/36
(11) EP3212532
(21) EP15855047.5
(22) 29.10.2015
(54) CARTON WITH HANDLE
(73) Graphic Packaging International, LLC
(72) SPIVEY, Raymond, R., Sr.
COXE, Charles, Frances, Jr.
BATES, Aaron, Lee
BALDINO, Mark
(74) ir. F.A. Geurts c.s.
(31) 201462122816 P
(32) 30.10.2014
(33) United States of America
(47) 03.07.2019

(51) B65D 77/20
B65D 53/02
(11) EP3231732
(21) EP17170145.1
(22) 02.05.2014
(54) SEAL RING FOR SEALING A CONTAINER
(73) Owens-Brockway Glass Container Inc.
(72) GRANT, Edward A.
CHISHOLM, Brian J.
(74) ir. F.A. Geurts c.s.
(31) 201313892727
(32) 13.05.2013
(33) United States of America
(47) 10.07.2019

(51) B65D 85/10
B65D 75/58
(11) EP3403949
(21) EP17171835.6
(22) 18.05.2017
(54) CONTAINER FOR CONSUMER GOODS WITH RECLOSABLE FLAP AND METHOD OF FORMING A CONTAINER FOR CONSUMER GOODS
(73) JT International SA
(72) GRECO, Gabriela
COLLINS, Tim
FRANZEN, Jens
KUMPEL, Jurgen
ALIZON, Robert
SORIANO, Miguel
(74) ir. W.J.J.M. Kempes
(47) 03.07.2019

(51) B65D 85/804
A47J 31/36
(11) EP2760761
(21) EP12772423.5

(22) 28.09.2012
(54) BEVERAGE CAPSULE WITH SEALING ELEMENT, SYSTEM AND PROCESS FOR PREPARING A BEVERAGE
(73) Tuttoespresso S.r.l.
(72) DOGLIONI MAJER, Luca
(74) dr. G. Visser-Luirink
(31) MI20111742
PCT/IB2011/003021
(32) 28.09.2011
13.12.2011
(33) Italy
World Intellectual Property Office (WIPO)
(47) 26.06.2019

(51) B65G 37/02
B65B 65/00
(11) EP3075685
(21) EP16163587.5
(22) 01.04.2016
(54) DEVICE FOR CONVEYANCE BY SELF-CONTAINED CARRIAGE
(73) Gebo Packaging Solutions France
(72) HUTTER, Patrick
WAELDIN, Jean-Claude
(74) J.M.H. Duyver lic.
(31) 1552867
(32) 02.04.2015
(33) France
(47) 05.06.2019

(51) B65G 63/00
B65G 21/12
B65G 47/71
(11) EP3375739
(21) EP18160453.9
(22) 07.03.2018
(54) DEVICE FOR HANDLING PIECE GOODS
(73) Lippert GmbH & Co. KG
(72) Hoch, Günther
(74) ir. J.M.G. Dohmen c.s.
(31) 102017105336
(32) 14.03.2017
(33) Germany
(47) 31.07.2019

(51) B65G 69/28
(11) EP3261964
(21) EP15841099.3
(22) 18.12.2015
(54) DOCK LEVELER WITH ROLLING COVER, DOCKING STATION AND DISTRIBUTION CENTER PROVIDED THEREWITH AND METHOD THERE FOR
(73) STERTIL B.V.
(72) FIJNVANDRAAT, Jan Willem
(74) ir. P.J. Hylarides c.s.
(31) 2014338
(32) 23.02.2015
(33) Netherlands
(47) 03.07.2019

(51) B65H 75/44
(11) EP3323760
(21) EP16199788.7
(22) 21.11.2016
(54) HOSE REEL AND METHOD FOR CONNECTING A HOSE TO THE HOSE REEL
(73) CEJN AB
(72) Olsson, Johan
Gustafsson, Ove
Lunnerhag, Anders
Åkesson, Filip
(74) ir. J.D. de Zeeuw
(47) 26.06.2019

(51) B66C 13/06
B66C 13/08
(11) EP3280674
(21) EP16713281.0
(22) 11.03.2016
(54) TRANSPORT UNIT
(73) Hans Künz GmbH
(72) BEER, Roman
(74) ir. J.M.G. Dohmen c.s.
(31) 2112015
(32) 08.04.2015
(33) Austria
(47) 17.07.2019

(51) B66C 15/00
B66C 23/28
B66C 23/62
B66C 23/82
B66C 13/18
B66C 23/42
B66C 23/68
B66C 23/88
(11) EP3259222
(21) EP16704244.9
(22) 15.02.2016
(54) CRANE WITH ADJUSTING UNIT FOR INFLUENCING A DEFORMATION OF THE JIB SYSTEM
(73) Terex Global GmbH
(72) WECKBECKER, Alfons
SCHNITTKER, Frank
(74) drs. O. Griebling
(31) 102015202734
(32) 16.02.2015
(33) Germany
(47) 12.06.2019

(51) B81C 1/00
H01L 41/00
(11) EP3214037
(21) EP15762910.6
(22) 15.04.2015
(54) MICROSENSOR BODY AND METHOD FOR MANUFACTURING SAME, AND MICROSENSOR
(73) BOE Technology Group Co., Ltd.
(72) JI, Chunyan
YANG, Tian
(74) ir. W.J.J.M. Kempes
(31) 201410601932
(32) 30.10.2014
(33) China
(47) 19.06.2019

(51) C01G 23/047
C01G 25/02
C01B 13/36
C01F 7/34
(11) EP2550235
(21) EP11760091.6
(22) 22.03.2011
(54) METHOD FOR MAKING HIGHLY POROUS, STABLE ALUMINIUM OXIDE WITH A CONTROLLED PORE STRUCTURE
(73) Brigham Young University
(72) BARTHOLOMEW, Calvin, H.
WOODFIELD, Brian, F.
HUANG, Baiyu
OLSEN, Rebecca, Elizabeth
ASTLE, Lynn
(74) ir. J.D. de Zeeuw
(31) 340762 P
(32) 22.03.2010
(33) United States of America
(47) 03.07.2019

(51) C02F 1/42
C02F 101/16
C02F 1/28
A61K 33/00
(11) EP2358642
(21) EP09756716.8
(22) 16.11.2009
(54) METHOD FOR REDUCING THE CONCENTRATION OF AMINES AND SALTS THEREOF
(73) Froximun AG
(72) STEIMECKE, Günter
HOFFMANN, Steffen
GÖRNER, Thomas
(74) ir. W.J.J.M. Kempes
(31) 102008043967
102008043959
(32) 21.11.2008
21.11.2008
(33) Germany
Germany
(47) 19.06.2019

(51) C02F 11/08
C02F 11/12
B01J 3/00
B01J 19/00
B01J 19/20
(11) EP3288904
(21) EP16722816.2
(22) 28.04.2016
(54) APPARATUS FOR AND METHOD OF PROCESSING A SLURRY CONTAINING ORGANIC COMPONENTS
(73) SCW Systems B.V.
(72) ESSING, Gerardus Cornelis Otto Bernard
HENDRY, Douglas Scott
(74) ir. A.R. Aalbers
(31) 15165677
(32) 29.04.2015
(33) European Patent Office (EPO)
(47) 12.06.2019

(51) C04B 35/053
C04B 35/443
C04B 35/626
C04B 35/653
C04B 38/00
(11) EP3119731
(21) EP15719773.2
(22) 17.03.2015
(54) FUSED GRAINS OF MAGNESIUM-RICH MAGNESIUM ALUMINATE
(73) Saint-Gobain Centre De Recherches Et D'etudes Europeen
(72) RAFFY, Stéphane
(74) ir. W.J.J.M. Kempes
(31) 1452232
(32) 18.03.2014
(33) France

(47) 12.06.2019

(51) C04B 35/66
F27D 1/00
C04B 28/06
C04B 111/28
(11) EP3255024
(21) EP16746739.8
(22) 08.02.2016
(54) HEAT-INSULATING MONOLITHIC REFRACTORY MATERIAL
(73) Nippon Steel Corporation
(72) KONO, Koji
KURIHARA, Toshimitsu
MATSUTANI, Yuki
IKEBE, Tetsunori
(74) ir. J.M.G. Dohmen c.s.
(31) 2015021774
(32) 06.02.2015
(33) Japan
(47) 24.07.2019

(51) C07B 43/04
C07C 209/50
C07C 227/16
C07D 265/32
C07D 207/16
C07D 295/03
C07D 295/15
C07F 9/40
C07K 5/00
(11) EP3066065
(21) EP14787135.4
(22) 16.10.2014
(54) CATALYTIC HYDROGENATION FOR THE PREPARATION OF AMINES FROM CARBOXYLIC ACID AMIDES, CARBOXYLIC ACID AMIDES, DI-, TRI- OR POLYPEPTIDES OR PEPTIDE AMIDES
(73) Evonik Degussa GmbH
(72) KADYROV, Renat
(74) ir. W.J.J.M. Kempes
(31) 13191503
(32) 05.11.2013
(33) European Patent Office (EPO)
(47) 19.06.2019

(51) C07C 29/132
C07C 29/74
C07C 31/20
(11) EP3087045
(21) EP14816263.9
(22) 19.12.2014
(54) PROCESS FOR THE PRODUCTION OF GLYCOLS FROM A SACCHARIDE-CONTAINING FEEDSTOCK
(73) Shell Internationale Research Maatschappij B.V.
(72) VAN DER HEIDE, Evert
HUIZENGA, Pieter
(31) 13199420
(32) 23.12.2013
(33) European Patent Office (EPO)
(47) 31.07.2019

(51) C07C 67/44
C07C 67/475
C07C 69/732
C07C 69/68
C07C 319/18
(11) EP3224234
(21) EP15793830.9
(22) 12.11.2015
(54) PROCESS FOR PREPARING ESTERS OF LACTIC ACID AND 2-HYDROXY-3-BUTENOIC ACID FROM SUGARS
(73) Haldor Topsøe A/S
(72) SADABA ZUBIRI, Irantzu
TAARNING, Esben
(74) ir. J.C. Volmer c.s.
(31) 14195485
201500288
(32) 28.11.2014
13.05.2015
(33) European Patent Office (EPO)
Denmark
(47) 14.08.2019

(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
(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
(74) mr.ir. F.N. Ferro
(31) 201161494710 P
201161494840 P
(32) 08.06.2011
08.06.2011
(33) United States of America
United States of America
(47) 07.08.2019

(51) C07C 253/30
C07C 255/07
(11) EP2931701
(21) EP13806056.1
(22) 05.12.2013
(54) PENTENENITRILE ISOMERIZATION
(73) INVISTA Textiles (U.K.) Limited
(72) AKI, Sudhir, N.V.K.
TENN, William, J., III
VOS, Thomas, E.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261734535 P
201304799
(32) 07.12.2012
15.03.2013
(33) United States of America
United Kingdom
(47) 03.07.2019

(51) C07D 207/32
C07D 409/04
C07D 413/04
C07D 417/04
A61K 31/404
A61K 31/42
A61K 31/425
A61P 9/00
A61P 19/00
A61P 25/00
A61P 37/00
(11) EP2486010
(21) EP10762668.1
(22) 06.10.2010
(54) ESTROGEN RECEPTOR LIGANDS
(73) Karo Pharma AB
(72) WENNERSTÅL, Mattias
RHÖNNSTAD, Patrik
CHENG, Aiping
GORDON, Sandra
APELQVIST, Theresa
HAGBERG, Lars
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0917575
201004377
(32) 07.10.2009
16.03.2010
(33) United Kingdom
United Kingdom
(47) 12.06.2019

(51) C07D 213/73
A61K 31/4412
A61P 35/00
A61P 29/00
(11) EP3222616
(21) EP17168533.2
(22) 15.10.2013
(54) N-[2-{4-[6-AMINO-5-(2,4-DIFLUOROBENZOYL)-2-OXOPYRIDIN-1(2H)-YL]-3,5-DIFLUOROPHENYL}ETHYL]-L-ALANINE AND THE TERBUTYL ESTER THEREOF
(73) MACROPHAGE PHARMA LIMITED
(72) PINTAT, Stéphane
DAVIES, Stephen, John
MOFFAT, David, Festus, Charles
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201218640
201306881
(32) 17.10.2012
16.04.2013
(33) United Kingdom
United Kingdom
(47) 17.07.2019

(51) C07D 401/14
C07D 413/14
A61K 31/415
A61K 31/454
A61K 31/4709
A61K 31/497
A61K 31/506
C07D 231/14
C07D 401/06
C07D 401/10
C07D 403/10
C07D 409/14
(11) EP3224256

(21) EP15804210.1
(22) 26.11.2015
(54) N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMPOUNDS AS PLASMA KALLIKREIN INHIBITORS,
(73) Kalvista Pharmaceuticals Limited
(72) DAVIE, Rebecca Louise
EDWARDS, Hannah Joy
EVANS, David Michael
HODGSON, Simon Teanby
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201421083
(32) 27.11.2014
(33) United Kingdom
(47) 03.07.2019

(51) C07D 405/12
A61K 31/5377
A61P 35/00
A61P 35/02
(11) EP3184523
(21) EP16191716.6
(22) 11.04.2013
(54) N-((4,6-DIMETHYL-2-OXO-L,2-DIHYDROPYRIDIN-3-YL)METHYL)-5-(ETHYL (TETRAHYDRO-2H-PYRAN-4-YL)AMINO)-4-METHYL-4'-(MORPHOLINOMETHYL)-[L,1'-BIPHENYL]-3-CARBOXAMIDE HYDROBROMIDE FOR USE IN THE TREATMENT OF A CELL PROLIFERATIVE DISORDER OF THE HEMATOLOGIC SYSTEM
(73) Epizyme Inc
Eisai R&D Management Co., Ltd.
(72) KUNTZ, Kevin Wayne
HUANG, Kuan-chun
CHOI, Hyeong Wook
SANDERS, Kristen
MATHIEU, Steven
CHANDA, Arani
FANG, Frank
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261624215 P
(32) 13.04.2012
(33) United States of America
(47) 19.06.2019

(51) C07D 413/14
C07D 409/06
C07D 409/14
C07D 417/14
A61K 31/496
A61P 25/18
(11) EP3057963
(21) EP14784235.5
(22) 15.10.2014
(54) PIPERAZINE DERIVATIVES AND THE USE THEREOF AS MEDICAMENT
(73) Boehringer Ingelheim International GmbH
(72) HOENKE, Christoph
GIOVANNINI, Riccardo
LESSEL, Uta
ROSENBROCK, Holger
SCHMID, Bernhard
(74) ir. F.A. Geurts c.s.
(31) 13188904
(32) 16.10.2013
(33) European Patent Office (EPO)
(47) 19.06.2019

(51) C07D 475/00
C07D 487/04
C07D 475/10
A61K 31/33
(11) EP3131902
(21) EP15718330.2
(22) 10.04.2015
(54) COMPOUNDS AS MODULATORS OF ROR GAMMA
(73) Boehringer Ingelheim International GmbH
(72) BAKONYI, Johanna
BRUNETTE, Steven Richard
COLLIN, Delphine
HUGHES, Robert Owen
LI, Xiang
LIANG, Shuang
SIBLEY, Robert
TURNER, Michael Robert
WU, Lifen
ZHANG, Qiang
(74) ir. F.A. Geurts c.s.
(31) 201461979231 P
(32) 14.04.2014
(33) United States of America
(47) 12.06.2019

(51) C07D 498/22
A61K 31/437
A61P 31/04
A61P 1/12
(11) EP3143027
(21) EP15726344.3
(22) 07.05.2015
(54) NEW SOLVATED CRYSTAL FORM OF RIFAXIMIN, PRODUCTION, COMPOSITIONS AND USES THEREOF
(73) ALFASIGMA S.P.A.
(72) VISCOMI, Giuseppe Claudio
MAFFEI, Paola
SFORZINI, Annalisa
GREPIONI, Fabrizia
CHELAZZI, Laura
(74) dr. W.A.H.M. Van Borm
(31) 201461992017 P
(32) 12.05.2014
(33) United States of America
(47) 10.07.2019

(51) C07D 519/00
C07D 487/04
(11) EP3269722
(21) EP16761845.3
(22) 10.03.2016
(54) MERCAPTOETHYLGLYCOL URIL COMPOUND AND UTILIZATION THEREOF
(73) Shikoku Chemicals Corporation
(72) MATSUDA, Akikazu
OKUMURA, Naoto
KUMANO, Takeshi
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2015048959
(32) 12.03.2015
(33) Japan
(47) 19.06.2019

(51) C07F 11/00
B01J 31/00
C08F 4/00
B01J 31/18
B01J 31/22
C07C 67/333
C07C 319/20
C07C 6/04
C07C 253/30
C08G 61/08
C08G 61/12
(11) EP3134422
(21) EP15720928.9
(22) 24.04.2015
(54) N-HETEROCYCLIC CARBENE COMPLEXES OF METAL IMIDO ALKYLIDENES AND METAL OXO ALKYLIDENES, AND THE USE OF SAME
(73) Universität Stuttgart
(72) BUCHMEISER, Michael R.
SEN, Suman
SCHOWNER, Roman
(74) ir. C.M. Jansen c.s.
(31) 102014105885
(32) 25.04.2014
(33) Germany
(47) 12.06.2019

(51) C07H 15/04
A61K 31/738
A61P 43/00
(11) EP2457919
(21) EP11188504.2
(22) 18.01.2008
(54) OLIGOSACCHARIDES COMPRISING AN AMINOOXY GROUP AND CONJUGATES THEREOF
(73) Genzyme Corporation
(72) Zhu, Yunxiang
Chen, Seng H.
Jiang, Canwen
Avial, Luis Z.
(74) ir. W.J.J.M. Kempes
(31) 885471 P
(32) 18.01.2007
(33) United States of America
(47) 05.06.2019

(51) C07H 21/02
(11) EP2707381
(21) EP12782575.0
(22) 11.05.2012
(54) NUCLEIC ACID EXTRACTION FROM HETEROGENEOUS BIOLOGICAL MATERIALS
(73) Exosome Diagnostics, Inc.
(72) COMPER, Wayne
RUSSO, Leileata, M.
SKOG, Johan, Karl Olov
(74) dr. A. Krebs
(31) 201161485112 P
(32) 11.05.2011
(33) United States of America
(47) 14.08.2019

(51) C07K 1/34
C07K 1/36
A61K 38/43
C12N 9/00
A61P 25/00
(11) EP2100898
(21) EP08166902.0
(22) 04.04.2007
(54) A process for concentration of a polypeptide

(73) Chiesi Farmaceutici S.p.A.
(72) Nilsson, Stefan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 200600488
200600922
(32) 04.04.2006
05.07.2006
(33) Denmark
Denmark
(47) 19.06.2019

(51) C07K 14/005
G01N 33/569
(11) EP3119801
(21) EP14758822.2
(22) 22.08.2014
(54) DISTINGUISHING FLAVIVIRUS INFECTION USING A RECOMBINANT MUTANT ENVELOPE PROTEIN
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
Washington University
(72) ULBERT, Sebastian
CHABIERSKI, Stefan
DIAMOND, Michael
FREMONT, Daved
(74) J.M.H. Duyver lic.
(31) 14160442
(32) 18.03.2014
(33) European Patent Office (EPO)
(47) 17.07.2019

(51) C07K 14/245
A61K 39/108
(11) EP2958935
(21) EP14711297.3
(22) 20.02.2014
(54) VACCINE
(73) Bergen Teknologioverføring AS
The Administrators of The Tulane Educational Fund
(72) PUNTERVOLL, Pål
SOMMERFELT, Halvor
CLEMENTS, John
NATARO, James, P.
ZHANG, Weiping
TAXT, Arne, M.
(74) ir. W.J.J.M. Kempes
(31) 201361766958 P
201361767161 P
201361850636 P
201361886242 P
(32) 20.02.2013
20.02.2013
20.02.2013
03.10.2013
(33) United States of America
United States of America
United States of America
United States of America
(47) 03.07.2019

(51) C07K 14/33
A61K 39/08
C07K 16/12
(11) EP2699587
(21) EP12720966.6
(22) 20.04.2012
(54) COMPOSITIONS RELATING TO A MUTANT CLOSTRIDIUM DIFFICILE TOXIN AND METHODS THEREOF
(73) Wyeth LLC
(72) SIDHU, Maninder K.
ANDERSON, Annaliesa Sybil
DONALD, Robert G. K.
JANSEN, Kathrin Ute
KALYAN, Narender K.
MININNI, Terri L.
MORAN, Justin Keith
RUPPEN, Mark E.
FLINT, Michael James
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161478474 P
201161478899 P
(32) 22.04.2011
25.04.2011
(33) United States of America
United States of America
(47) 03.07.2019

(51) C07K 14/40
(11) EP2984103
(21) EP14722312.7
(22) 10.04.2014
(54) PEPTIDES AND BINDING PARTNERS THEREFOR
(73) Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie e.V. -Hans-Knöll-Institut- (HKI)
King's College London
(72) NAGLIK, Julian
MOYES, David
TANG, Shirley
HUBE, Bernhard
WILSON, Duncan
HOFS, Sarah
RICHARDSON, Jonathan
(74) dr. A. Krebs
(31) 201306588
(32) 11.04.2013
(33) United Kingdom
(47) 12.06.2019

(51) C07K 14/47
A61K 38/17
A61P 35/00
(11) EP3134428
(21) EP15704545.1
(22) 13.02.2015
(54) POLYPEPTIDE FRAGMENTS OF 168A-T2 AND COMPOSITIONS COMPRISING THEM FOR USE IN TREATING CANCER
(73) Gene Signal International SA
(72) AL-MAHMOOD, Salman
COLIN, Sylvie
(74) dr. A. Krebs
(31) 14155243
201461939932 P
(32) 14.02.2014
14.02.2014
(33) European Patent Office (EPO)
United States of America
(47) 12.06.2019

(51) C07K 14/575
C07K 14/605
A61K 38/26
(11) EP3242887
(21) EP16703620.1
(22) 05.01.2016
(54) GIP AND GLP-1 CO-AGONIST COMPOUNDS
(73) Eli Lilly and Company
(72) ALSINA-FERNANDEZ, Jorge
BOKVIST, Bengt Krister
COSKUN, Tamer
CUMMINS, Robert Chadwick
(74) ir. J.C. Volmer c.s.
(31) 201562101488 P
(32) 09.01.2015
(33) United States of America
(47) 14.08.2019

(51) C07K 14/78
A61K 38/00
A61L 27/00
A61P 19/00
A61P 19/04
A61P 43/00
C07K 14/47
C12N 15/09
(11) EP2902413
(21) EP13842990.7
(22) 25.09.2013
(54) POLYPEPTIDE, SCAFFOLD COMPOSITION, COMPOSITION FOR CARTILAGE TISSUE RESTORATION, COMPOSITION FOR CARTILAGE CELL CULTURE, AND COMPOSITION FOR PROMOTING GLYCOSAMINOGLYCAN PRODUCTION
(73) FUJIFILM Corporation
(72) YOSHINO, Yuichi
IWATA, Rie
NAKAMURA, Kentaro
(74) ir. C.M. Jansen c.s.
(31) 2012213110
(32) 26.09.2012
(33) Japan
(47) 17.07.2019

(51) C07K 16/22
C07K 16/46
A61K 39/395
A61P 27/02
C07K 16/28
(11) EP2992012
(21) EP14721806.9
(22) 25.04.2014
(54) HUMAN FCRN-BINDING MODIFIED ANTIBODIES AND METHODS OF USE
(73) F.Hoffmann-La Roche AG
(72) HARTMANN, Guido
REGULA, Joerg Thomas
RUETH, Matthias
SCHAEFER, Wolfgang
SCHLOTHAUER, Tilman
(74) drs. C.M.A. Quintelier
(31) 13165744
14151316
(32) 29.04.2013
15.01.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 17.07.2019

(51) C07K 16/28
C07K 16/30
A61K 39/39
A61P 37/06
(11) EP3284753
(21) EP17179855.6
(22) 17.10.2003

(54) HUMAN MONOCLONAL ANTIBODIES AGAINST CD20 FOR USE IN THE TREATMENT OF MULTIPLE SCLEROSIS
(73) Genmab A/S
(72) TEELING, Jessica
RUULS, Sigrid
GLENNIE, Martin
VAN DE WINKEL, Jan G J
PARREN, Paul
PETERSEN, Jorgen
BAADSGAARD, Ole D M Sc.
HUANG, Haichun
(74) ir. W.J.J.M. Kempes
(31) 419163 P
460028 P
(32) 17.10.2002
02.04.2003
(33) United States of America
United States of America
(47) 05.06.2019

(51) C07K 16/44
A61K 39/395
A61K 45/06
A61K 31/475
A61K 31/513
A61K 31/704
A61K 31/7068
A61K 33/24
A61K 39/00
A61K 31/337
(11) EP2694555
(21) EP12722943.3
(22) 02.04.2012
(54) CELL-PENETRATING ANTI-DNA ANTIBODIES AND USES THEREOF TO INHIBIT DNA REPAIR
(73) Yale University
The Regents of the University of California
United States Government Represented by the Department of Veterans Affairs
(72) HANSEN, James, E.
GLAZER, Peter, M.
WEISBART, Richard, H.
NISHIMURA, Robert, N.
CHAN, Grace
(74) dr. W.A.H.M. Van Borm
(31) 201161470918 P
(32) 01.04.2011
(33) United States of America
(47) 10.07.2019

(51) C08B 11/02
C08J 3/12
C08J 3/14
(11) EP3303406
(21) EP16727602.1
(22) 26.05.2016
(54) CELLULOSE ETHER POWDERS
(73) Dow Global Technologies LLC
(72) ADDEN, Roland
CHATTERJEE, Tirtha
KNARR, Matthias
BRACKHAGEN, Meinolf
(74) ir. J.D. de Zeeuw
(31) 201562171306 P
(32) 05.06.2015
(33) United States of America
(47) 26.06.2019

(51) C08F 26/10
C08J 3/12
C12H 1/04
C08L 39/06
(11) EP2358768
(21) EP09831026.1
(22) 02.12.2009
(54) CROSSLINKED POLYVINYLPYRROLIDONE COMPOSITIONS
(73) ISP Investments LLC
(72) MOLA, Andrew
REHMANJI, Mustafa
UNTING, Mika Jan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 119463 P
(32) 03.12.2008
(33) United States of America
(47) 03.07.2019

(51) C08F 212/08
C08F 220/14
C09D 125/14
(11) EP3105267
(21) EP15703078.4
(22) 09.02.2015
(54) USE OF METHYL METHACRYLATE VINYLAROMATE COPOLYMERS
(73) INEOS Styrolution Group GmbH
(72) COCHRAN, Thomas W.
NIESSNER, Norbert
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 14154424
(32) 10.02.2014
(33) European Patent Office (EPO)
(47) 19.06.2019

(51) C08F 265/06
B41M 5/00
B41M 5/50
B41M 5/52
B42D 15/00
C08F 2/24
C08L 51/00
C09D 11/00
D21H 19/20
C08F 265/04
C08F 285/00
C09D 151/00
C08F 214/06
C08F 214/08
C09D 11/106
C09D 11/107
(11) EP2687550
(21) EP12760384.3
(22) 14.03.2012
(54) VINYL CHLORIDE-BASED RESIN EMULSION, METHOD FOR PRODUCING SAME, WATER-BASED INK, AND RECORDING PAPER
(73) Nissin Chemical Industry Co., Ltd.
(72) MITTA Yasuhiro
GAMA Yuji
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2011060533
(32) 18.03.2011
(33) Japan
(47) 03.07.2019

(51) C08G 18/28
C08G 18/67
C08G 18/70
C08G 18/78
C09D 175/04
(11) EP1957555
(21) EP06819713.6
(22) 23.11.2006
(54) RADIATION-CURABLE WATER-EMULSIFIABLE POLYISOCYANATES
(73) BASF SE
(72) WAGNER, Eva
BECK, Erich
STEINBRECHER, Angelika Maria
HEISCHKEL, Yvonne
SCHWALM, Reinhold
(74) ir. W.J.J.M. Kempes
(31) 102005057682
(32) 01.12.2005
(33) Germany
(47) 19.06.2019

(51) C08G 59/20
B32B 15/08
C08J 5/24
C08K 3/00
C08L 63/00
H05K 1/03
(11) EP2910587
(21) EP13847148.7
(22) 18.10.2013
(54) RESIN COMPOSITION, PREPREG, LAMINATE PLATE, METALLIC FOIL CLAD LAMINATE, AND PRINTED CIRCUIT BOARD
(73) Mitsubishi Gas Chemical Company, Inc.
(72) CHIBA, Tomo
TAKAHASHI, Hiroshi
SHIGA, Eisuke
OGASHIWA, Takaaki
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2012231631
(32) 19.10.2012
(33) Japan
(47) 17.07.2019

(51) C08G 63/47
C08G 63/91
C09D 167/07
(11) EP2539387
(21) EP11707248.8
(22) 16.02.2011
(54) VINYL-CONTAINING COMPOUNDS AND PROCESSES FOR MAKING THE SAME
(73) Reichhold LLC 2
(72) NAVA, Hildeberto
LIU, Yongning
(74) ir. C.M. Jansen c.s.
(31) 201113024547
307489 P
(32) 10.02.2011
24.02.2010
(33) United States of America
United States of America
(47) 05.06.2019

(51) C08G 77/06
C08G 77/10
C08L 83/04
(11) EP3321304
(21) EP17156421.4
(22) 16.02.2017

(54) MIXTURES OF CYCLIC BRANCHED D/T-TYPE SILOXANES AND THEIR ENSUING PRODUCTS
(73) Evonik Degussa GmbH
(72) Knott, Wilfried
Dudzik, Horst
(74) ir. W.J.J.M. Kempes
(31) 16198809
(32) 15.11.2016
(33) European Patent Office (EPO)
(47) 19.06.2019

(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
(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
(74) dr. A. Krebs
(31) 201461979080 P
(32) 14.04.2014
(33) United States of America
(47) 07.08.2019

(51) C08J 11/26
C08K 5/12
C08J 3/22
C08L 67/02
C08L 69/00
(11) EP3215560
(21) EP15790056.4
(22) 23.10.2015
(54) COMPOSITION FOR POLYMERIC CHAIN EXTENSION
(73) Clariant Plastics & Coatings Ltd
(72) WOLF, Jürgen
WARTIG, Karen-Alessa
VAN DEN ABBEELE, Tim
LÜNSTÄDEN, Tim
(74) J.M.H. Duyver lic.
(31) 14003779
(32) 05.11.2014
(33) European Patent Office (EPO)
(47) 24.07.2019

(51) C08K 3/04
C01B 32/192
C01B 32/23
B82Y 30/00
B82Y 40/00
(11) EP2496521
(21) EP10787885.2
(22) 27.10.2010
(54) PROCESS FOR THE PREPARATION OF NANO-SCALED GRAPHENE PLATELETS WITH A HIGH DISPERSIBILITY IN LOW-POLARITY POLYMERIC MATRIXES
(73) versalis S.p.A.
(72) FELISARI, Riccardo
VALENTINO, Olga
CASALINI, Alessandro
(74) J.M.H. Duyver lic.
(31) MI20091920
(32) 03.11.2009
(33) Italy
(47) 19.06.2019

(51) C08K 7/14
C08L 55/02
C08L 25/14
B32B 5/02
B32B 5/26
B32B 37/06
B32B 37/10
B32B 37/14
D04H 1/4209
D04H 1/60
D04H 1/732
D04H 3/02
D04H 3/002
(11) EP3030611
(21) EP14834107.6
(22) 05.08.2014
(54) A SCRIMLESS, RIGID COMPOSITE MATERIAL
(73) Neenah Technical Materials Inc.
(72) ANDREWS, Bruce
LOCKYER, Paul B.
SANGINETTI, Michael R.
DAVID, Benny E.
LOCKYER, Dennis G.
ADJEI, Thomas
(74) ir. P.J. Hylarides c.s.
(31) 201361862616 P
(32) 06.08.2013
(33) United States of America
(47) 05.06.2019

(51) C08L 27/06
(11) EP3216831
(21) EP17159814.7
(22) 08.03.2017
(54) A WATERPROOFING MEMBRANE COMPOSITION
(73) S.A. Imperbel N.V.
(72) AERTS, Hans
(74) ir. W.J.J.M. Kempes
(31) 16159206
(32) 08.03.2016
(33) European Patent Office (EPO)
(47) 12.06.2019

(51) C08L 53/00
C08L 67/04
(11) EP3137543
(21) EP15718243.7
(22) 28.04.2015
(54) POLYLACTIDE BASED COMPOSITIONS
(73) Total Research & Technology Feluy
(72) COUPIN, Thierry
(74) ir. W.J.J.M. Kempes
(31) 14166458
(32) 29.04.2014
(33) European Patent Office (EPO)
(47) 19.06.2019

(51) C08L 53/00
C08L 67/04
C08G 81/02
C08J 3/00
(11) EP3137544
(21) EP15720682.2
(22) 28.04.2015
(54) POLYMER COMPOSITION COMPRISING POLY-LACTIDE-POLYBUTADIENE BASED BLOCK COPOLYMER
(73) Total Research & Technology Feluy
(72) COUPIN, Thierry
(74) ir. W.J.J.M. Kempes
(31) 14166456
(32) 29.04.2014
(33) European Patent Office (EPO)
(47) 12.06.2019

(51) C08L 59/04
C08K 3/22
C08K 5/17
C08L 77/00
C08K 5/3435
(11) EP3239236
(21) EP15872824.6
(22) 15.12.2015
(54) POLYACETAL RESIN COMPOSITION AND ARTICLE MOLDED THEREFROM
(73) Mitsubishi Gas Chemical Company, Inc.
Thai Polyacetal Co. Ltd.
(72) OKUI, Yumi
KOBAYASHI, Daisuke
ITO, Akira
SUNAGA, Daisuke
PATTAMAMONGKOLCHAI, Yupin
PALAHARN, Sanit
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014259206
(32) 22.12.2014
(33) Japan
(47) 24.07.2019

(51) C09D 7/45
C09D 11/00
C09D 11/02
C08G 63/91
B01F 17/24
(11) EP2571945
(21) EP11721927.9
(22) 16.05.2011
(54) DISPERSANT COMPOSITION
(73) Lubrizol Advanced Materials, Inc.
(72) THETFORD, Dean
GIESELMAN, Matthew D.
JONES, Joanne L.
(74) ir. F.A. Geurts c.s.
(31) 346556 P
(32) 20.05.2010
(33) United States of America
(47) 10.07.2019

(51) C09D 11/322
B41J 2/01
B41M 5/00
C09D 11/10
C09D 11/107
C09D 11/326
(11) EP3006519
(21) EP14807397.6

(22) 04.06.2014
(54) WATER-BASED INK FOR INKJET RECORDING
(73) Kao Corporation
(72) EGUCHI, Tetsuya
MIZUSHIMA, Ryuma
(74) mr.ir. F.N. Ferro
(31) 2013119561
(32) 06.06.2013
(33) Japan
(47) 07.08.2019

(51) C09D 11/38
B41J 2/01
B41M 5/00
(11) EP3239255
(21) EP15872863.4
(22) 16.12.2015
(54) WATER-BASED INK
(73) Kao Corporation
(72) MITSUYOSHI, Kaname
TAKENO, Hirotaka
SUZUKI, Takayuki
YOSHIKAWA, Takahiro
(74) mr.ir. F.N. Ferro
(31) 2014266627
(32) 26.12.2014
(33) Japan
(47) 07.08.2019

(51) C09D 11/52
C09D 5/24
H05K 1/09
H05K 3/02
H05K 3/10
(11) EP3036294
(21) EP14755355.6
(22) 21.08.2014
(54) CONDUCTIVE PASTES OR INKS COMPRISING NANOMETRIC CHEMICAL FRITS
(73) Vispa S.r.l.
(72) GUNNELLA, Alessandro
MAGNANELLI, Stefano
POGGI, Antonio
COSTA, Chiara
SPOTTI, Davide
(74) J.M.H. Duyver lic.
(31) MI20131398
(32) 22.08.2013
(33) Italy
(47) 12.06.2019

(51) C09D 167/08
C08K 3/10
C08G 63/91
C08L 67/08
(11) EP3095826
(21) EP16171052.0
(22) 30.12.2009
(54) COBALT-BASED CATALYTIC DRYER FOR POLYMER COATINGS
(73) Umicore
(72) CLAUWAERT, Eddy
(31) 08022549
193980 P
(32) 31.12.2008
15.01.2009
(33) European Patent Office (EPO)
United States of America
(47) 19.06.2019

(51) C09D 175/16
C09D 133/14
C09D 4/06
C08G 18/48
C08G 18/67
C08G 18/75
C08G 18/08
C08G 18/10
(11) EP3227396
(21) EP15865316.2
(22) 26.11.2015
(54) RADIATION CURING COATING COMPOSITION
(73) Perstorp AB
(72) MAURIN, Vanessa
KELLY, Paul
(74) mr.ir. F.N. Ferro
(31) 1400571
(32) 04.12.2014
(33) Sweden
(47) 26.06.2019

(51) C09J 7/21
D06N 7/00
D06N 3/00
D21H 27/20
D21H 17/63
D21H 25/00
D04H 1/64
D04H 1/68
D04H 1/4218
(11) EP3337924
(21) EP16750434.9
(22) 08.08.2016
(54) BASE NON-WOVEN FABRIC AND METHOD FOR THE PRODUCTION THEREOF
(73) Surtech GmbH Wigbert H. Sauer
(72) SAUER, Wigbert
(74) ir. J.M.G. Dohmen c.s.
(31) 102015113674
(32) 18.08.2015
(33) Germany
(47) 19.06.2019

(51) C09J 101/28
C09J 103/02
C09J 105/00
D04H 1/4218
D04H 1/587
D21H 23/48
C08L 61/20
D21H 17/20
C08K 7/14
D04H 1/4242
D04H 1/64
D21H 13/40
C08L 61/32
C08L 61/24
(11) EP2730689
(21) EP13005303.6
(22) 11.11.2013
(54) VISCOSITY MODIFIED FORMALDEHYDE-FREE BINDER COMPOSITIONS
(73) Johns Manville
(72) Guo, Zhihua
Shooshtari, Kiarash Alavi
Lester, Uranchimeg
Zhang, Mingfu
Asrar, Jawed
(74) ir. F.A. Geurts c.s.
(31) 201213675414
(32) 13.11.2012
(33) United States of America
(47) 26.06.2019

(51) C09K 8/54
(11) EP3230398
(21) EP15807923.6
(22) 10.12.2015
(54) LIQUID INHIBITOR COMPOSITION AND A METHOD FOR ITS PREPARATION AND APPLICATION AS A HEAVY BRINE CORROSION CONTROL
(73) Clariant International Ltd
(72) OBEYESEKERE, Nihal
ARIYARATNA, Thenuka
WYLDE, Jonathan
(74) J.M.H. Duyver lic.
(31) 201414567885
15000028
(32) 11.12.2014
08.01.2015
(33) United States of America
European Patent Office (EPO)
(47) 14.08.2019

(51) C09K 11/61
(11) EP3221423
(21) EP15797819.8
(22) 16.11.2015
(54) COLOR STABLE RED-EMITTING PHOSPHORS
(73) General Electric Company
(72) MURPHY, James, Edward
GARCIA, Florencio
CHOWDHURY, Ashfaqul, Islam
SISTA, Srinivas, Prasad
SETLUR, Anant, Achyut
(74) ir. W.J.J.M. Kempes
(31) 201414549847
(32) 21.11.2014
(33) United States of America
(47) 21.08.2019

(51) C09K 11/61
H01L 33/50
(11) EP3095832
(21) EP16173586.5
(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
(74) ir. W.J.J.M. Kempes
(31) 201113069756
(32) 23.03.2011
(33) United States of America
(47) 07.08.2019

(51) C10G 51/04
C07B 61/00
C07C 4/06
C07C 7/04
C07C 11/04
C07C 11/06
C07C 11/08
C07C 15/04

C07C 15/06
C07C 15/08
C10G 9/00
C10G 11/05
C10G 45/50
C10G 69/06
C10G 35/095
C10G 63/04
C10G 69/08
(11) EP2913383
(21) EP13848235.1
(22) 25.10.2013
(54) OLEFIN AND SINGLE-RING AROMATIC HYDROCARBON PRODUCTION METHOD
(73) JX Nippon Oil & Energy Corporation
(72) YANAGAWA Shinichiro
KOBAYASHI Masahide
YOSHIWARA Yukihiro
(74) dr. A. Krebs
(31) 2012236132
(32) 25.10.2012
(33) Japan
(47) 21.08.2019

(51) C10G 57/02
C10G 69/12
C10G 67/06
C10G 25/03
C07C 5/03
C07C 7/04
C07C 7/12
C07C 2/10
C08F 10/00
B01J 21/04
B01J 21/06
B01J 23/78
B01J 23/755
B01J 27/135
B01J 27/182
(11) EP3204432
(21) EP14903583.4
(22) 09.10.2014
(54) A PROCESS FOR THE PRODUCTION OF OLIGOMERIZED OLEFINS
(73) BASF SE
(72) WAGNER, Hans-Guenter
BAYER, Christoph
KARRER, Lothar
RUETTER, Heinz
PIETZ, Patrik
CRONE, Sven
EGGERSMANN, Markus
WONG, Kam Wing
(74) ir. W.J.J.M. Kempes
(47) 19.06.2019

(51) C10G 69/06
C10G 49/00
C10G 49/22
C10L 1/04
(11) EP3158028
(21) EP15718717.0
(22) 10.04.2015
(54) PYROLYSIS TAR UPGRADING USING RECYCLED PRODUCT
(73) ExxonMobil Chemical Patents Inc.
(72) BEECH, James H., Jr.
KOC-KARABOCEK Reyyan
LEWIS, William E.
XU, Teng
(74) ir. W.J.J.M. Kempes
(31) 201462015036 P
14181263
(32) 20.06.2014
18.08.2014
(33) United States of America
European Patent Office (EPO)
(47) 19.06.2019

(51) C10G 75/02
(11) EP2132281
(21) EP08738390.7
(22) 27.03.2008
(54) HIGH TEMPERATURE NAPHTHENIC ACID CORROSION INHIBITION USING ORGANOPHOSPHOROUS SULPHUR COMPOUNDS AND COMBINATIONS THEREOF
(73) Dorf Ketal Chemicals (I) Private Limited
(72) SUBRAMANIYAM, Mahesh
(74) ir. W.J.J.M. Kempes
(31) MU06042007
(32) 30.03.2007
(33) India
(47) 12.06.2019

(51) C10M 111/04
C10M 169/04
(11) EP1688476
(21) EP06250506.0
(22) 31.01.2006
(54) LUBRICATING BASE OIL COMPOSITIONS
(73) Chevron Oronite Company LLC
(72) Roby, Stephen H.
Ruelas, Susanne G.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 46994
(32) 31.01.2005
(33) United States of America
(47) 03.07.2019

(51) C10M 129/70
C10M 163/00
C10N 10/02
C10N 10/04
C10N 30/04
C10N 30/12
C10N 40/26
(11) EP2271731
(21) EP09731363.9
(22) 19.03.2009
(54) MARINE LUBRICANT
(73) TOTAL MARKETING SERVICES
(72) DOYEN, Valérie
HERAULT, Chantal
(31) 0801532
(32) 20.03.2008
(33) France
(47) 05.06.2019

(51) C10M 145/26
C10M 145/36
C10M 145/38
C10N 10/04
C10N 20/04
C10N 30/04
C10N 30/12
C10N 40/25
(11) EP3024916
(21) EP14721721.0
(22) 08.04.2014
(54) LUBRICATING COMPOSITION CONTAINING AN OXYALKYLATED HYDROCARBYL PHENOL
(73) The Lubrizol Corporation
(72) ZHANG, Yanshi
WALKER, Gary M.
DELBRIDGE, Ewan E.
SAMPLER, Edward P
SIMPSON, Neil L
(74) ir. W.J.J.M. Kempes
(31) 201361828736 P
(32) 30.05.2013
(33) United States of America
(47) 26.06.2019

(51) C11D 1/37
C11D 1/83
C11D 1/86
C11D 10/04
A61K 8/36
A61K 8/362
A61Q 5/00
A61K 8/60
A61Q 9/02
A61Q 11/00
A61Q 19/00
(11) EP3290500
(21) EP17020388.9
(22) 25.08.2017
(54) DETERGENT COMPOSITION AND CARE COMPOSITION CONTAINING POLYOXYALKYLENE CARBOXYLATE
(73) Richli, Remo
(31) 11132016
(32) 29.08.2016
(33) Switzerland
(47) 15.05.2019

(51) C11D 1/65
C11D 1/835
C11D 1/86
C11D 10/04
(11) EP3290501
(21) EP17020387.1
(22) 25.08.2017
(54) DETERGENT COMPOSITIONS CONTAINING ALKOXYLATED FATTY ACID AMIDES
(73) Richli, Remo
(31) 11142016
(32) 29.08.2016
(33) Switzerland
(47) 15.05.2019

(51) C12N 1/12
(11) EP3024924
(21) EP14755879.5
(22) 25.07.2014
(54) METHOD FOR FED-BATCH FERMENTATION OF CHLORELLAE FED BY SEQUENTIAL, AUTOMATED PROVISIONS OF GLUCOSE
(73) Corbion Biotech, Inc.
(72) SEGUEILHA, Laurent
LE RUYET, Marie
DELAROCHE, Sylvain
(74) J.M.H. Duyver lic.
(31) 1357387
(32) 26.07.2013
(33) France

(47) 24.07.2019

(51) C12N 5/077
(11) EP2185693
(21) EP08782571.7
(22) 31.07.2008
(54) DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS
(73) Lifescan, Inc.
(72) XU, Jean
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 953178 P
(32) 31.07.2007
(33) United States of America
(47) 03.07.2019

(51) C12N 5/0775
C12N 5/071
A61K 35/12
(11) EP2348103
(21) EP10183850.6
(22) 01.07.2004
(54) Methods of using regenerative cells in the treatment of peripheral vascular disease and related disorders
(73) Cytori Therapeutics, Inc.
(72) Fraser John, K.
Hedrick, Marc, H.
Daniels, Eric
(74) drs. C.M.A. Quintelier
(31) 503589 P
(32) 17.09.2003
(33) United States of America
(47) 19.06.2019

(51) C12N 7/00
C12N 9/10
(11) EP3280798
(21) EP16716896.2
(22) 07.04.2016
(54) THERAPEUTIC COMPOSITIONS OF USE FOR TREATING CANCER
(73) Agalimmune Limited
(72) GALILI, Uri
WESTBY, Michael
SHAW, Steven
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201505860
(32) 07.04.2015
(33) United Kingdom
(47) 19.06.2019

(51) C12N 9/10
(11) EP3011019
(21) EP14738375.6
(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
(74) J.M.H. Duyver lic.
(31) 1301402
(32) 17.06.2013
(33) France
(47) 07.08.2019

(51) C12N 9/54
C11D 3/386
(11) EP2138574
(21) EP09172028.4
(22) 05.11.2003
(54) Subtilase variants
(73) Novozymes A/S
(72) Draborg, Henriette
Hansen, Peter, Kamp
Bjoernvad, Mads, Eskelund
Noerregaard-Madsen, Mads
Mikkelsen, Mikael
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 200201705
200201933
507537 P
(32) 06.11.2002
18.12.2002
01.10.2003
(33) Denmark
Denmark
United States of America
(47) 19.06.2019

(51) C12N 15/10
C07K 14/295
A61K 39/00
(11) EP3042958
(21) EP16158036.0
(22) 21.02.2007
(54) METHODS AND COMPOSITIONS FOR IDENTIFYING ANTIGENS
(73) President and Fellows of Harvard College
(72) HIGGINS, Darren E.
STARNBACH, Michael N.
GIERAHN, Todd
ROAN, Nadia R.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 775462 P
817471 P
(32) 21.02.2006
29.06.2006
(33) United States of America
United States of America
(47) 19.06.2019

(51) C12N 15/11
A61K 9/127
A61K 38/54
C07D 233/61
C07C 211/09
C07C 211/11
C07C 211/13
C07C 211/14
C07D 239/42
C07D 241/04
C07C 237/06
C07D 295/03
C07D 211/36
C07D 295/13
C07D 295/15
C07D 233/64
(11) EP2768958
(21) EP12841768.0
(22) 18.10.2012
(54) AMINE CATIONIC LIPIDS AND USES THEREOF
(73) Dicerna Pharmaceuticals, Inc.
(72) BROWN, Bob, Dale
BASU, Sujit, Kumar
SCHWARTZ, David
FRASER, Allister
(74) dr. A. Krebs
(31) 201161548598 P
(32) 18.10.2011
(33) United States of America
(47) 14.08.2019

(51) C12N 15/113
A61K 31/7088
(11) EP3129485
(21) EP15721376.0
(22) 01.04.2015
(54) CRISPR/CAS-RELATED METHODS AND COMPOSITIONS FOR TREATING CYSTIC FIBROSIS
(73) Editas Medicine, Inc.
(72) REYON, Deepak
MAEDER, Morgan, L.
FRIEDLAND, Ari, E.
WELSTEAD, G., Grant
BUMCROT, David, A.
(74) J.M.H. Duyver lic.
(31) 201461977488 P
(32) 09.04.2014
(33) United States of America
(47) 12.06.2019

(51) C12N 15/113
C12N 15/40
C12N 15/64
C12N 15/87
C12N 15/80
C12N 15/81
C12N 15/82
C12N 15/85
A01H 5/00
(11) EP2798065
(21) EP12863467.2
(22) 21.12.2012
(54) SIMULTANEOUS GENE SILENCING AND SUPRESSING GENE SILENCING IN THE SAME CELL
(73) Commonwealth Scientific and Industrial Research Organisation
(72) WOOD, Craig Christopher
NAIM, Fatima
SINGH, Surinder Pal
WATERHOUSE, Peter Michael
(74) ir. W.J.J.M. Kempes
(31) 201161580574 P
(32) 27.12.2011
(33) United States of America
(47) 05.06.2019

(51) C12N 15/86
A61K 48/00
C12N 9/10
A61K 38/45
(11) EP3134530
(21) EP15719677.5
(22) 27.04.2015
(54) TREATMENT OF HYPERBILIRUBINEMIA
(73) Genethon
International Centre For Genetic Engineering And Biotechnology
(72) MINGOZZI, Federico

RONZITTI, Giuseppe
COLLAUD, Fanny
MURO, Andrés
BORTOLUSSI, Giulia
(74) J.M.H. Duyver lic.
(31) 14305622
14196400
(32) 25.04.2014
04.12.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 12.06.2019

(51) C12P 7/40
C12P 7/64
C12P 39/00
C25B 3/10
C25B 15/08
C07C 9/15
(11) EP2986758
(21) EP14729945.7
(22) 16.04.2014
(54) METHOD FOR PRODUCING HYDROCARBIDES
(73) Bio-Think
(72) DUPRE, Jean-Yves
RODRIGUEZ, Oswaldo Yagüez
(74) ir. J.M.G. Dohmen c.s.
(31) 1353567
(32) 19.04.2013
(33) France
(47) 05.06.2019

(51) C12P 7/64
(11) EP2839018
(21) EP13778920.2
(22) 18.04.2013
(54) TAILORED OILS
(73) Corbion Biotech, Inc.
(72) FRANKLIN, Scott
SOMANCHI, Aravind
RUDENKO, George
BHAT, Riyaz
ZHAO, Xinhua
BOND, Risha
RAKITSKY, Walter
MARANGONI, Alejandro
BRAKSMAYER, Diza
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261635285 P
201261639838 P
201261655469 P
201261672196 P
201261679026 P
201261715998 P
201361769678 P
201361778963 P
201361809213 P
(32) 18.04.2012
27.04.2012
04.06.2012
16.07.2012
02.08.2012
19.10.2012
26.02.2013
13.03.2013
05.04.2013
(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
(47) 05.06.2019

(51) C12P 13/02
C12M 1/00
(11) EP2518154
(21) EP10839414.9
(22) 21.12.2010
(54) METHOD FOR PRODUCING ACRYLAMIDE USING MICROBIAL CATALYST
(73) Mitsubishi Chemical Corporation
(72) KARIYA, Takamitsu
BANBA, Hiroyasu
KANO, Makoto
(74) J.M.H. Duyver lic.
(31) 2009294613
(32) 25.12.2009
(33) Japan
(47) 14.08.2019

(51) C12P 19/34
C12Q 1/6869
C12N 9/12
C12Q 1/68
(11) EP3033435
(21) EP14756108.8
(22) 14.08.2014
(54) METHOD FOR FRAGMENTING NUCLEIC ACID BY MEANS OF TRANSPOSASE
(73) Oxford Nanopore Technologies Limited
(72) STODDART, David Jackson
WHITE, James
(74) dr. W.A.H.M. Van Borm
(31) 201314695
(32) 16.08.2013
(33) United Kingdom
(47) 24.07.2019

(51) C12P 21/00
C12N 5/00
(11) EP3122869
(21) EP15716252.0
(22) 24.03.2015
(54) METHODS FOR OVERCOMING GLUTAMINE DEPRIVATION DURING MAMMALIAN CELL CULTURE
(73) Biogen MA Inc.
Samsung Bioepis Co., Ltd.
(72) YANG, William C.
HUANG, Yao-Ming
MARTY, Sinacore
RYLL, Thomas
LU, Jiuyi
LEE, Jaesun
LIM, Hyoung Taek
YANG, Eunchong
LEE, Kyngju
(74) ir. W.J.J.M. Kempes
(31) 201461969800 P
(32) 24.03.2014
(33) United States of America
(47) 05.06.2019

(51) C12Q 1/04
B01L 3/00
G01N 21/3563
G01N 21/31
(11) EP3392342
(21) EP18161905.7
(22) 15.03.2018
(54) MICROBIAL TEST STANDARD FOR USE IN INFRARED SPECTROMETRY
(73) Bruker Daltonik GmbH
(72) Maier, Thomas
Mauder, Norman
(74) ir. W.J.J.M. Kempes
(31) 102017108278
(32) 19.04.2017
(33) Germany
(47) 12.06.2019

(51) C12Q 1/6869
C12Q 1/6851
C12Q 1/70
(11) EP3224376
(21) EP15801422.5
(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.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 14195464
(32) 28.11.2014
(33) European Patent Office (EPO)
(47) 07.08.2019

(51) C12Q 1/6874
(11) EP2766498
(21) EP12780609.9
(22) 12.10.2012
(54) SEQUENCING BY STRUCTURE ASSEMBLY
(73) President and Fellows of Harvard College
(72) CHURCH, George M.
TERRY, Richard C.
VIGNEAULT, Frederic
VIGNEAULT, Francois
(74) ir. F.A. Geurts c.s.
(31) 201161547138 P
201261609990 P
(32) 14.10.2011
13.03.2012
(33) United States of America
United States of America
(47) 19.06.2019

(51) C21C 7/064
C21C 7/076
F27D 27/00
C21C 1/02
C21C 1/06
C21C 7/00
F27D 3/16
(11) EP3031935
(21) EP13891083.1
(22) 25.09.2013
(54) MOLTEN IRON REFINING METHOD AND DEVICE THEREOF
(73) POSCO
(72) PARK, Jung Ho
KANG, Soo Chang
CHUN, Jin Kyu
SEO, Yun Yeol

(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130093720
(32) 07.08.2013
(33) Korea (Republic)
(47) 03.07.2019

(51) C21D 8/02
C21D 6/00
C23C 2/02
C23C 2/06
C23C 2/26
C23C 2/28
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/34
C22C 38/50
C22C 38/54
C22C 38/58
B32B 15/01
C21D 1/76
C21D 9/46
(11) EP2803750
(21) EP12863111.6
(22) 27.12.2012
(54) HIGH-MANGANESE HOT-ROLLED GALVANIZED STEEL SHEET AND MANUFACTURING METHOD THEREOF
(73) Posco
(72) JEON, Sun-Ho
CHIN, Kwang-Geun
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20110143889
(32) 27.12.2011
(33) Korea (Republic)
(47) 03.07.2019

(51) C22B 9/05
C22B 21/06
(11) EP3071718
(21) EP14820964.6
(22) 17.11.2014
(54) ULTRASONIC PROBES WITH GAS OUTLETS FOR DEGASSING OF MOLTEN METALS
(73) Southwire Company, LLC
(72) RUNDQUIST, Victor F.
(74) ir. C.M. Jansen c.s.
(31) 201361905408 P
(32) 18.11.2013
(33) United States of America
(47) 05.06.2019

(51) C22B 9/10
(11) EP2702179
(21) EP12725175.9
(22) 30.04.2012
(54) GAS AND PARTICULATE DELIVERY SYSTEM AND METHOD FOR METALLURGICAL VESSEL
(73) Berry Metal Company
(72) WHITE, Jacob, J.
VALENTAS, Louis, S.
SMITH, Todd, G.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161480982 P
(32) 29.04.2011
(33) United States of America
(47) 31.07.2019

(51) C23C 16/44
F23G 7/06
(11) EP2981635
(21) EP14715103.9
(22) 01.04.2014
(54) VACUUM PUMPING AND ABATEMENT SYSTEM AND METHOD OF PURGING THE SYSTEM
(73) Edwards Limited
(72) STANTON, Gareth
(74) ir. F.A. Geurts c.s.
(31) 201306060
(32) 04.04.2013
(33) United Kingdom
(47) 31.07.2019

(51) C25B 1/00
C25B 11/04
C25B 11/12
B01J 35/00
C25B 15/08
(11) EP3027788
(21) EP14772266.4
(22) 25.07.2014
(54) DEVICE FOR HYDROGEN AND ELECTRICITY PRODUCTION
(73) Katholieke Universiteit Leuven
(72) MARTENS, Johan
RONGE, Jan
BOSSEREZ, Tom
(31) 201361860139 P
201361861279 P
201405671
(32) 30.07.2013
01.08.2013
28.03.2014
(33) United States of America
United States of America
United Kingdom
(47) 12.06.2019

(51) C25B 9/02
C25B 9/20
(11) EP2734658
(21) EP12753598.7
(22) 20.07.2012
(54) ELECTROLYSER FRAME CONCEPT, METHOD AND USE
(73) NEW NEL HYDROGEN AS
(72) WALLEVIK, Oddmund
FELL, Hans, Jörg
CHLADEK, Petr
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20111048
20111046
(32) 20.07.2011
20.07.2011
(33) Norway
Norway
(47) 05.06.2019

(51) C25B 11/03
C25B 11/04
C25B 3/04
(11) EP3307924
(21) EP16741915.9
(22) 19.07.2016
(54) METHOD FOR PREPARING HYDROCARBON-SELECTIVE GAS DIFFUSION ELECTRODES BASED ON COPPER-CONTAINING CATALYSTS
(73) Siemens Aktiengesellschaft
(72) KRAUSE, Ralf
MALTENBERGER, Anna
RELLER, Christian
SCHMID, Bernhard
SCHMID, Günter
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015215309
(32) 11.08.2015
(33) Germany
(47) 19.06.2019

(51) C25B 15/08
C25B 3/04
C25B 1/00
C25B 9/06
(11) EP3317435
(21) EP16726551.1
(22) 31.05.2016
(54) REDUCTION METHOD AND ELECTROLYSIS SYSTEM FOR ELECTROCHEMICAL CARBON DIOXIDE UTILIZATION
(73) Siemens Aktiengesellschaft
(72) JEANTY, Philippe
FLEISCHER, Maximilian
KRAUSE, Ralf
MAGORI, Erhard
ROMERO CUÉLLAR, Nayra Sofia
SCHMID, Bernhard
SCHMID, Günter
WIESNER-FLEISCHER, Kerstin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015212503
(32) 03.07.2015
(33) Germany
(47) 03.07.2019

(51) D06F 35/00
D06F 39/02
D06F 39/08
(11) EP3303679
(21) EP17796642.1
(22) 08.05.2017
(54) HYDROXYL INJECTION SYSTEM
(73) Omni Solutions LLC
(72) RUPNOW, Andrew
(74) ir. W.J.J.M. Kempes
(31) 201615149444
(32) 09.05.2016
(33) United States of America
(47) 05.06.2019

(51) D06F 37/22
D06F 39/12
D06F 25/00
D06F 37/26
F16F 15/02
(11) EP2435622
(21) EP10780824.8
(22) 28.05.2010
(54) LAUNDRY MACHINE
(73) LG Electronics Inc.
(72) KWON, Ig Geun
CHOI, Jae Hyun
(74) ir. J.C. Volmer c.s.
(31) 20090047192
20090079948
20100047875
(32) 28.05.2009
27.08.2009
24.05.2010

(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
(47) 14.08.2019

(51) D06F 39/00
D06F 39/12
D06F 58/20
(11) EP2811061
(21) EP14170780.2
(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
(74) ir. J.C. Volmer c.s.
(31) 20130064077
20140046922
(32) 04.06.2013
18.04.2014
(33) Korea (Republic)
Korea (Republic)
(47) 07.08.2019

(51) D06F 39/04
D06F 58/26
D06F 37/04
D06F 37/22
D06F 58/02
D06F 25/00
(11) EP3287559
(21) EP17182365.1
(22) 20.07.2017
(54) LAUNDRY APPARATUS
(73) LG Electronics Inc.
(72) KIM, Woore
NOH, Hyunwoo
HONG, Sangwook
(74) ir. A.R. Aalbers
(31) 20160108329
(32) 25.08.2016
(33) Korea (Republic)
(47) 03.07.2019

(51) D06F 58/20
D06F 58/28
(11) EP3336239
(21) EP17206069.1
(22) 08.12.2017
(54) LAUNDRY TREATMENT APPARATUS AND CONTROL METHOD OF LAUNDRY TREATMENT APPARATUS
(73) LG Electronics Inc.
(72) Park, Minsung
(74) ir. J.C. Volmer c.s.
(31) 20160172574
(32) 16.12.2016
(33) Korea (Republic)
(47) 14.08.2019

(51) D21D 1/30
D01B 9/00
D21B 1/38
D21H 11/16
D21D 1/20
D21H 11/18
(11) EP2665859
(21) EP12736419.8
(22) 19.01.2012
(54) METHOD FOR THE PRODUCTION Of HIGH ASPECT RATIO CELLULOSE NANOFILAMENTS
(73) FPInnovations
(72) HUA, Xujun
LALEG, Makhlouf
MILES, Keith
AMIRI, Reza
ETTALEB, Lahoucine
DORRIS, Gilles
(74) ir. W.J.J.M. Kempes
(31) 201161435019 P
(32) 21.01.2011
(33) United States of America
(47) 26.06.2019

(51) D21H 11/18
D21H 17/25
(11) EP3137679
(21) EP15721286.1
(22) 28.04.2015
(54) METHOD FOR PRODUCING A SUSPENSION OF MICROFIBRILLATED CELLULOSE, MICROFIBRILLATED CELLULOSE AND ITS USE
(73) Kemira Oyj
(72) LILLANDT, Marcus
LUNDIN, Tom
(74) ir. W.J.J.M. Kempes
(31) 20145390
(32) 28.04.2014
(33) Finland
(47) 12.06.2019

(51) D21H 17/25
D21H 17/01
D21H 21/00
(11) EP2861799
(21) EP13803701.5
(22) 13.06.2013
(54) ENERGY EFFICIENT PROCESS FOR PREPARING NANOCELLULOSE FIBERS
(73) University of Maine System Board of Trustees
(72) BILODEAU, Michael, A.
PARADIS, Mark, A.
(74) ir. C.G.C. Veldman-Dijkers
(31) 201261659082 P
(32) 13.06.2012
(33) United States of America
(47) 05.06.2019

(51) E03B 7/07
(11) EP2982805
(21) EP15179595.2
(22) 04.08.2015
(54) MULTIFUNCTIONAL INTERCONNECTION DEVICE AND USES OF SAME
(73) Judo Wasseraufbereitung GmbH
(72) Pantow, Christian
(74) J.M.H. Duyver lic.
(31) 102014215408
(32) 05.08.2014
(33) Germany
(47) 12.06.2019

(51) E03D 11/08
E03D 11/17
E03D 11/13
(11) EP3215682
(21) EP15808790.8
(22) 04.11.2015
(54) LOW NOISE WC
(73) Ceramica Catalano S.p.A.
Gruppo Sanitari Italia - G.S.I S.p.A.
(72) ROSSI, Mario
(74) ir. F.A. Geurts c.s.
(31) RM20140643
(32) 04.11.2014
(33) Italy
(47) 17.07.2019

(51) E04D 3/08
(11) EP3290611
(21) EP17188184.0
(22) 28.08.2017
(54) COVERING DEVICE AND METHOD FOR PRODUCING SAME
(73) Kneer, Ingo
(72) Kneer, Ingo
(74) ir. F.A. Geurts c.s.
(31) 102016216212
102016216214
202016005196 U
202016005197 U
(32) 29.08.2016
29.08.2016
29.08.2016
29.08.2016
(33) Germany
Germany
Germany
Germany
(47) 26.06.2019

(51) E04D 3/08
(11) EP3290612
(21) EP17188187.3
(22) 28.08.2017
(54) COVERING DEVICE AND METHOD FOR PRODUCING SAME
(73) Kneer, Ingo
(72) Kneer, Ingo
(74) ir. F.A. Geurts c.s.
(31) 102016216214
102016216212
202016005197 U
202016005196 U
(32) 29.08.2016
29.08.2016
29.08.2016
29.08.2016
(33) Germany
Germany
Germany
Germany
(47) 12.06.2019

(51) E04F 19/00
E04F 17/02
E04F 17/04
E04F 17/08
E04C 1/39
E04C 2/52
E04C 2/00
E04H 12/28
E04H 14/00
E04B 1/61
(11) EP3299541
(21) EP17192781.7

(22) 22.09.2017
(54) CHIMNEY ELEMENT
(73) Peisselskabet AS
(72) Holt, Inge
(74) J.M.H. Duyver lic.
(31) 20161532
(32) 23.09.2016
(33) Norway
(47) 12.06.2019

(51) E04G 11/24
E04G 21/32
B66F 3/42
F15B 15/18
E04G 3/28
(11) EP3339535
(21) EP17205607.9
(22) 06.12.2017
(54) CLIMBING DEVICE WITH A CLIMBING RAIL
(73) Peri GmbH
(72) Herzog, Robert
Tries, Matthias
(74) dr. W.A.H.M. Van Borm
(31) 102016125549
(32) 23.12.2016
(33) Germany
(47) 24.07.2019

(51) E05B 17/20
E05B 83/02
E05C 7/04
E05B 9/08
(11) EP3034720
(21) EP14199241.2
(22) 19.12.2014
(54) A lock device for a double door and uses thereof
(73) Servial CC APS
(72) Larsen, Anders
(74) ir. F.A. Geurts c.s.
(47) 26.06.2019

(51) E05B 47/00
E05B 47/06
E05B 63/00
E05B 63/16
(11) EP3126597
(21) EP15711486.9
(22) 18.03.2015
(54) LOCK FOR DOOR OR WINDOW
(73) Assa Abloy Nederland B. V.
(72) PRAET, Petrus Joannes Laurentius
(74) ir. F.A. Geurts c.s.
(31) 102014104139
(32) 25.03.2014
(33) Germany
(47) 03.07.2019

(51) E05B 65/10
(11) EP3406829
(21) EP17172895.9
(22) 24.05.2017
(54) DOOR LINING FOR A PANIC DOOR LOCK AND PANIC DOOR LOCK
(73) BKS GmbH
(72) Hennecke, Gerhard
Kisker, Davor
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 03.07.2019

(51) E05F 15/63
(11) EP2933416
(21) EP15162802.1
(22) 08.04.2015
(54) DOOR DRIVE
(73) GEZE GmbH
(72) Vögele, Roland
(74) ir. W.J.J.M. Kempes
(31) 102014207217
102015202853
(32) 15.04.2014
17.02.2015
(33) Germany
Germany
(47) 05.06.2019

(51) E06B 3/67
E06B 3/673
E06B 3/663
(11) EP3230547
(21) EP15816389.9
(22) 09.12.2015
(54) INSULATING PICTURE WINDOW
(73) AGC Glass Europe
(72) BOUCHER, Nicolas
BOUESNARD, Olivier
CLOSSET, François
SCHNEIDER, Pierre
(74) ir. W.J.J.M. Kempes
(31) 14197688
(32) 12.12.2014
(33) European Patent Office (EPO)
(47) 19.06.2019

(51) E06B 3/82
E06B 3/72
(11) EP3385488
(21) EP17207030.2
(22) 13.12.2017
(54) DOOR LEAF WITH PANEL AND PANEL KIT FOR SUCH A DOOR LEAF
(73) HARINCK, naamloze vennootschap
(72) DE MUNSTER, Franck
(31) 201705243
(32) 06.04.2017
(33) Belgium
(47) 19.06.2019

(51) E06B 9/36
E06B 9/386
E06B 9/322
E06B 9/24
(11) EP3102768
(21) EP15705391.9
(22) 09.02.2015
(54) SOLAR TRACKING SYSTEM AND METHOD THEREFOR
(73) Kindow B.V.
(72) KIN, Sam
TEN KATE, Sander
(74) ir. M. van der Velden
(31) 2012229
2013304
(32) 07.02.2014
05.08.2014
(33) Netherlands
Netherlands
(47) 05.06.2019

(51) E21B 17/01
F16L 1/14
F16L 1/18
F16L 1/235
F16L 1/24
F16L 1/26
(11) EP3350403
(21) EP16767007.4
(22) 06.09.2016
(54) A RISER ASSEMBLY AND METHOD OF INSTALLING A RISER ASSEMBLY
(73) GE Oil & Gas UK Limited
(72) ZHANG, Yanqiu
TAN, Zhimin
HOU, Yucheng
YUAN, Jiabei
ZHU, Linfa
(74) dr. A. Krebs
(31) 201514856266
(32) 16.09.2015
(33) United States of America
(47) 21.08.2019

(51) E21B 31/06
E21B 37/02
(11) EP3277917
(21) EP15804489.1
(22) 03.12.2015
(54) WELL TOOL
(73) Norse Oiltools AS
(72) STANGELAND, Jan
(74) dr. A. Krebs
(31) 20150391
(32) 31.03.2015
(33) Norway
(47) 05.06.2019

(51) E21B 33/128
(11) EP3350409
(21) EP16763244.7
(22) 07.09.2016
(54) SUPPORTING DEVICE FOR A SEALING ELEMENT IN WELL PLUG
(73) Interwell Technology AS
(72) STORMO, Terje
(74) ir. J.C. Volmer c.s.
(31) 20151213
(32) 17.09.2015
(33) Norway
(47) 07.08.2019

(51) E21B 34/14
E21B 47/09
E21B 34/00
(11) EP2182167
(21) EP09166417.7
(22) 25.07.2009
(54) Memory Logging System for Determining the Condition of a Sliding Sleeve
(73) Precision Energy Services, Inc.
(72) Montgomery, Graeme
Reyes, Ricardo
Schoch, Peter
(74) ir. A. Ferguson
(31) 261661
(32) 30.10.2008
(33) United States of America
(47) 19.06.2019

(51) E21B 43/10
E21B 29/10
(11) EP3322877
(21) EP16741784.9
(22) 13.07.2016
(54) EXPANDABLE LINER
(73) Weatherford Technology Holdings, LLC

(72) DELANGE, Richard W.
SETTERBERG, Jr., John Richard
OSBURN, Scott H.
CAPEHART, Michael B.
GAO, Feng
(74) ir. C.M. Jansen c.s.
(31) 201562191947 P
(32) 13.07.2015
(33) United States of America
(47) 05.06.2019

(51) F01N 3/20
F01N 3/08
F01N 3/24
B01D 53/94
F01N 13/08
F01N 3/10
(11) EP2918807
(21) EP13846149.6
(22) 03.10.2013
(54) EXHAUST GAS PURIFICATION DEVICE
(73) Yanmar Co., Ltd.
(72) YOKOYAMA Tetsuya
INOUE Tsuyoshi
(74) mr.ir. F.N. Ferro
(31) 2012224133
(32) 09.10.2012
(33) Japan
(47) 07.08.2019

(51) F02D 31/00
F02M 69/32
F02N 11/08
F02D 37/00
F02D 41/00
F02D 41/06
F02D 9/10
F02B 61/04
(11) EP2587032
(21) EP12190007.0
(22) 25.10.2012
(54) ENGINE START CONTROL DEVICE WITH AN IDLE SPEED CONTROL VALVE
(73) SUZUKI MOTOR CORPORATION
(72) Miyaki, Tomohiko
(74) ir. A.R. Aalbers
(31) 2011235059
(32) 26.10.2011
(33) Japan
(47) 19.06.2019

(51) F02M 61/14
(11) EP3054149
(21) EP16000187.1
(22) 27.01.2016
(54) DEVICE FOR FIXING AT LEAST ONE FUEL INJECTION NOZZLE
(73) Neander Motors AG
(72) Brüstle, Claus
Baindl, Rupert
(74) ir. J.M.G. Dohmen c.s.
(31) 102015001614
(32) 07.02.2015
(33) Germany
(47) 07.08.2019

(51) F03B 13/18
F16H 19/04
(11) EP2921694
(21) EP14160554.3
(22) 18.03.2014
(54) A gear arrangement
(73) Cascade Drives AB
(72) Lundbäck, Stig
Svensson, Stefan
Hellestig, André
Möller, Patrik
Björklund, Stefan
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 05.06.2019

(51) F04B 39/12
F04B 39/14
F04B 35/04
(11) EP3056732
(21) EP16154566.0
(22) 05.02.2016
(54) IMPROVED AIR COMPRESSOR
(73) Chou, Wen-San
(72) Chou, Wen-San
(74) ir. J.H. de Hoog
(31) 104105168
(32) 13.02.2015
(33) Taiwan, Province of China
(47) 12.06.2019

(51) F04D 13/08
E04H 4/16
(11) EP2006546
(21) EP08252120.4
(22) 19.06.2008
(54) Pond cleaning apparatus
(73) Exel Industries S.A.
(72) Braithwaite, Ross Thomas Vernon
(74) ir. H.J.G. Lips c.s.
(31) 0711885
(32) 19.06.2007
(33) United Kingdom
(47) 07.08.2019

(51) F04D 29/22
F04D 29/24
F04D 13/06
F04D 29/041
F04D 29/047
F04D 29/58
(11) EP3147512
(21) EP16157021.3
(22) 23.02.2016
(54) IMPELLER STRUCTURE WITH IMPROVED ROTATION STABILITY
(73) Cooler Master Co., Ltd.
(72) Lin, Fu-Lung
Tsai, Shui-Fa
Lin, Tsung-Wei
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201520749557 U
(32) 25.09.2015
(33) China
(47) 19.06.2019

(51) F15B 1/02
F15B 1/033
B21J 9/12
B30B 15/16
B30B 15/22
(11) EP3290718
(21) EP17748373.2
(22) 12.01.2017
(54) HYDRAULIC FAST FORGING UNIT
(73) Zhongjuxin Ocean Engineering Equipment Co., Ltd
(72) ZHANG, Lianhua
ZHANG, Hui
MA, Haijun
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201610582538
(32) 22.07.2016
(33) China
(47) 12.06.2019

(51) F16B 1/00
(11) EP2908014
(21) EP14000527.3
(22) 13.02.2014
(54) Screw
(73) HALFEN GmbH
(72) Kirchner, Georg
(74) ir. J.M.G. Dohmen c.s.
(47) 12.06.2019

(51) F16H 55/06
F16F 15/30
(11) EP3180547
(21) EP15745423.2
(22) 21.07.2015
(54) METHOD FOR FLYWHEEL PRODUCTION
(73) Mühlhoff Umformtechnik GmbH
(72) HINCKERS, Hubert
(74) ir. W.J.J.M. Kempes
(31) 102014111581
(32) 13.08.2014
(33) Germany
(47) 05.06.2019

(51) F16J 15/16
F16J 15/447
F16C 33/76
F16C 33/80
F16C 33/78
F16J 15/3244
F16C 19/06
F16J 15/42
(11) EP3234417
(21) EP15871142.4
(22) 18.12.2015
(54) BEARING ISOLATOR SEAL WITH ENHANCED ROTOR DRIVE COUPLING
(73) Flowserve Management Company
(72) BENDER, Robert Paul
FERRIS, Jason C.
MEYER, William Eric, Jr
BARKER, Joseph Charles
(74) dr. A. Krebs
(31) 201462093856 P
(32) 18.12.2014
(33) United States of America
(47) 19.06.2019

(51) F16J 15/3232
F16J 15/08
F16J 15/02
F16J 15/3236
(11) EP3191745
(21) EP15839956.8
(22) 10.09.2015
(54) SEALING RING
(73) American Seal and Engineering Company, Inc.
(72) ARMITAGE, Mark, W.
CONWAY, Dallas
(74) dr. W.A.H.M. Van Borm
(31) 201414485429
(32) 12.09.2014

(33) United States of America
(47) 17.07.2019

(51) F16L 1/20
(11) EP3289264
(21) EP16730917.8
(22) 31.03.2016
(54) OFFSHORE VESSEL, MARINE PIPELINE INSTALLATION SYSTEM AND METHOD
(73) Itrec B.V.
(72) ROODENBURG, Joop
NOUWENS, Ronny Lambertus Waltherus
STAVENUITER, Wilco
(74) ir. J.C. Volmer c.s.
(31) PCT/NL2015/050285
(32) 28.04.2015
(33) World Intellectual Property Office (WIPO)
(47) 05.06.2019

(51) F16L 21/02
F16L 21/06
F16L 21/08
(11) EP2242947
(21) EP08858079.0
(22) 24.11.2008
(54) PIPE COUPLING
(73) Krausz Industries Development Ltd.
(72) KRAUSZ, Eliezer
CHIPROOT, Avi
(74) ir. W.J.J.M. Kempes
(31) 987802
(32) 04.12.2007
(33) United States of America
(47) 19.06.2019

(51) F16L 59/10
F16L 59/02
B32B 1/08
(11) EP2069679
(21) EP07835049.3
(22) 21.09.2007
(54) ADHESIVE TAPE FOR SEALING A JOINT IN AN INSULATION SYSTEM, AND METHOD FOR SEALING SUCH A JOINT
(73) Saint-Gobain Isover
(72) TIGERFELDT, Staffan
(74) ir. W.J.J.M. Kempes
(31) 0601967
(32) 22.09.2006
(33) Sweden
(47) 03.07.2019

(51) F16M 7/00
(11) EP3091268
(21) EP16167060.9
(22) 26.04.2016
(54) DEVICE FOR ALIGNING MOTORS, MACHINES AND PARTS OF MACHINES
(73) WASI GmbH
(72) HAAG, Philipp
KLUTH, Michael
(74) ir. W.J.J.M. Kempes
(31) 102015107212
(32) 08.05.2015
(33) Germany
(47) 28.08.2019

(51) F16M 7/00
G01L 1/00
(11) EP3332165
(21) EP16750375.4
(22) 20.07.2016
(54) METHOD FOR ESTABLISHING A SIGNAL INDICATIVE OF THE PRESSURE-CONDITION IN THE AS CONTACT-SURFACE BEFITTED RUBBER-ELASTIC BODY OF A MACHINE FOOT, AS WELL AS MACHINE FOOT WITH HYDROSTATIC PRESSURE SENSOR
(73) NGI A/S
(72) OLSEN, Tomas Hecht
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201570500
(32) 03.08.2015
(33) Denmark
(47) 19.06.2019

(51) F16T 1/48
G05B 23/02
G05B 23/00
(11) EP3282167
(21) EP16776332.5
(22) 19.02.2016
(54) THRESHOLD VALUE CALCULATION SYSTEM, AND THRESHOLD VALUE CALCULATION METHOD
(73) TLV Co., Ltd.
(72) FUJIWARA, Yoshiyasu
ODA, Kazunori
MIYAMAE, Yoshio
KAWAHARA, Hiroki
(74) ir. W.J.J.M. Kempes
(31) 2015078440
(32) 07.04.2015
(33) Japan
(47) 12.06.2019

(51) F17C 5/06
(11) EP2881645
(21) EP13275302.1
(22) 06.12.2013
(54) System for recharging portable breathing apparatus
(73) Stork Technical Services (RBG) Limited
(72) Elliot, James Roddy
(74) ir. J.D. de Zeeuw
(47) 26.06.2019

(51) F17C 13/00
(11) EP3234444
(21) EP14821233.5
(22) 16.12.2014
(54) LNG TANK AND SYSTEM FOR CONNECTING AT LEAST ONE PIPE BETWEEN AN LNG TANK AND A TANK CONNECTION SPACE THEREOF
(73) Wärtsilä Finland Oy
(72) RÅHOLM, Martin
BERGMAN, Viktor
ÖST, Ingvar
JANSSON, Mathias
(74) ir. A.R. Aalbers
(47) 19.06.2019

(51) F21S 4/00
F21V 23/00
G09F 13/04
G09F 13/22
F21Y 101/00
(11) EP3132184
(21) EP15709075.4
(22) 27.02.2015
(54) FLEXIBLE RIBBON LED MODULE
(73) The Sloan Company, Inc. dba Sloanled
(72) LIND, Justin
FERRIE, Timothy, Drew
QUAAL, Bruce
(74) J.M.H. Duyver lic.
(31) 201414192733
(32) 27.02.2014
(33) United States of America
(47) 05.06.2019

(51) F21V 3/02
F21K 9/232
(11) EP3343098
(21) EP18164133.3
(22) 27.03.2018
(54) LED LAMP WITH HEAT DISSIPATION EFFECT
(73) Liquidleds Lighting Corp.
(72) HUANG, David
(74) ir. P.J. Hylarides c.s.
(31) 201762479327 P
(32) 31.03.2017
(33) United States of America
(47) 05.06.2019

(51) F21V 5/00
F21K 9/90
F21Y 115/10
F21Y 105/10
(11) EP3234454
(21) EP14908219.0
(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
(74) ir. W.J.J.M. Kempes
(47) 07.08.2019

(51) F21V 9/02
F21V 11/06
F21W 121/00
(11) EP2697560
(21) EP12718394.5
(22) 11.04.2012
(54) AN OPTICAL ELEMENT FOR OBTAINING A DAYLIGHT APPEARANCE, A LIGHTING SYSTEM AND A LUMINAIRE
(73) Signify Holding B.V.
(72) ONAC, Gabriel-Eugen
KRIJN, Marcellinus, Petrus, Carolus, Michael
(74) drs. O. Griebling
(31) 11162237
(32) 13.04.2011
(33) European Patent Office (EPO)
(47) 12.06.2019

(51) F21V 13/02
F21V 15/01
F21V 3/02
F21Y 115/10
F21Y 105/00
(11) EP3156721

(21) EP16177657.0
(22) 18.06.2013
(54) LIGHTING DEVICE
(73) LG Innotek Co., Ltd.
(72) PARK, Kwang Ho
KIM, Chul Hong
YANG, Hyun Duck
PARK, Moo Ryong
HYUN, Jun Chul
(74) dr. A. Ellens c.s.
(31) 20120065259
20120065260
20120065264
(32) 18.06.2012
18.06.2012
18.06.2012
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
(47) 12.06.2019

(51) F21V 21/10
B44C 5/00
F16B 2/08
F16M 11/40
F21V 21/28
B60C 7/00
F21S 6/00
(11) EP3303916
(21) EP16726410.0
(22) 27.05.2016
(54) A SPINE OR WHEEL OF INTERCONNECTED UNITS
(73) Whitty, Angus Norman
(72) Whitty, Angus Norman
(74) dr. A. Krebs
(31) 201509278
(32) 29.05.2015
(33) United Kingdom
(47) 26.06.2019

(51) F21V 31/04
B29C 45/14
F21S 4/22
F21Y 115/10
F21Y 103/10
B29L 31/00
B29C 39/00
(11) EP3361150
(21) EP18020123.8
(22) 26.06.2014
(54) HORIZONTALLY OR VERTICALLY FLEXIBLE LIGHT EMITTING DIODE STRIPS WITH HOMOGENEOUS LIGHT OUTPUT AND METHOD FOR THEIR PRODUCTION
(73) Josef Barthelme GmbH & Co. KG
(72) Barthelme, Nicola
Eistetter, Stefan
Astrup, Hans
(74) ir. W.J.J.M. Kempes
(31) 102013019037
102013019039
(32) 15.11.2013
15.11.2013
(33) Germany
Germany
(47) 19.06.2019

(51) F23J 15/08
F23J 11/04
F23L 17/00
(11) EP3147565
(21) EP16191011.2
(22) 28.09.2016
(54) DEVICE FOR PARTIALLY OR TOTALLY REMOVING A SMOKE PLUME, INSTALLATION FOR DISCHARGING SMOKE TO THE ATMOSPHERE COMPRISING SUCH A DEVICE, AND CORRESPONDING MARINE VESSEL
(73) LAB SA
(72) SIRET, Bernard
TABARIES, Frank
(74) ir. A.R. Aalbers
(31) 1559109
(32) 28.09.2015
(33) France
(47) 26.06.2019

(51) F23L 7/00
F23M 5/00
F23J 15/02
(11) EP2612075
(21) EP11752070.0
(22) 30.08.2011
(54) APPARATUS FOR COMBUSTING A FUEL AT HIGH PRESSURE AND HIGH TEMPERATURE, AND ASSOCIATED SYSTEM
(73) 8 Rivers Capital, LLC
(72) PALMER, Miles R
ALLAM, Rodney John
BROWN, Glenn, William, JR.
FETVEDT, Jeremy Eron
(74) ir. F.A. Geurts c.s.
(31) 201113220439
201161510356 P
872364
(32) 29.08.2011
21.07.2011
31.08.2010
(33) United States of America
United States of America
United States of America
(47) 12.06.2019

(51) F23N 1/00
F23N 5/24
F23K 5/00
(11) EP2123979
(21) EP09005857.9
(22) 28.04.2009
(54) Gas regulator
(73) Honeywell Technologies Sarl
(72) Van Prooijen, Frank
(74) ir. W.J.J.M. Kempes
(31) 102008024843
(32) 23.05.2008
(33) Germany
(47) 05.06.2019

(51) F24H 3/00
F24C 7/00
F24D 13/02
(11) EP3184928
(21) EP16203540.6
(22) 12.12.2016
(54) PROCESS OF MAKING ELECTRIC STOVES
(73) Brocchetto, Diego
(72) Brocchetto, Diego
(74) J.M.H. Duyver lic.
(31) UB20159184
(32) 23.12.2015
(33) Italy
(47) 19.06.2019

(51) F24S 40/20
H02S 40/10
(11) EP3341660
(21) EP16766112.3
(22) 18.08.2016
(54) FRONT-HEAVY DUST CLEANING VEHICLE
(73) Saudi Arabian Oil Company
(72) PARROTT, Brian
CARRASCO ZANINI, Pablo
AISHEHRI, Ali
(74) dr. W.A.H.M. Van Borm
(31) 201562209047 P
(32) 24.08.2015
(33) United States of America
(47) 24.07.2019

(51) F25B 21/02
F25D 11/02
F25D 25/02
F25D 17/06
F25D 11/04
(11) EP2530408
(21) EP12170001.7
(22) 30.05.2012
(54) Refrigerator
(73) LG Electronics Inc.
(72) Shin, Jaehoon
Kim , Yanggyu
Sul, Heayoun
Park, Yongjoo
(74) ir. A.R. Aalbers
(31) 20110051885
20110113338
20110113337
20110114572
20110126530
(32) 31.05.2011
02.11.2011
02.11.2011
04.11.2011
30.11.2011
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
(47) 03.07.2019

(51) F25J 1/00
F25J 1/02
(11) EP3299757
(21) EP17193601.6
(22) 27.09.2017
(54) MIXED REFRIGERANT COOLING PROCESS AND SYSTEM
(73) AIR PRODUCTS AND CHEMICALS, INC.
(72) ROBERTS, Mark Julian
KRISHNAMURTHY, Gowri
BROSTOW, Adam Adrian
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201615277539
(32) 27.09.2016
(33) United States of America
(47) 19.06.2019

(51) F26B 3/12
B01D 1/18
(11) EP3152504
(21) EP14735840.2
(22) 04.06.2014
(54) AN AIR DISPERSER COMPRISING A GUIDE VANE FRAMEWORK FOR A SPRAY DRYING APPARATUS, AND METHOD FOR ASSEMBLING SUCH AN AIR DISPERSER IN A SPRAY DRYING APPARATUS
(73) GEA Process Engineering A/S
(72) KROGH, Kristian
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 03.07.2019

(51) F28F 3/04
F24H 1/12
F24H 1/52
F28D 9/00
F28D 21/00
(11) EP3171115
(21) EP15195092.0
(22) 18.11.2015
(54) PLATE FOR HEAT EXCHANGE ARRANGEMENT AND HEAT EXCHANGE ARRANGEMENT
(73) Alfa Laval Corporate AB
(72) MASGRAU, Marcello
(74) ir. C.M. Jansen c.s.
(47) 05.06.2019

(51) F28F 13/12
C10G 9/20
F28F 1/40
F28F 19/00
F28D 21/00
(11) EP2133644
(21) EP08715068.6
(22) 28.03.2008
(54) A TUBE TYPE CRACKING FURNACE
(73) China Petroleum & Chemical Corporation
Beijing Research Institute of Chemical Industry, China Petroleum &Chemical Corporation
(72) WANG, Guoqing
ZHANG, Lijun
DU, Zhiguo
CHEN, Shuo
ZHANG, Zhaobin
ZHOU, Cong
ZHOU, Xianfeng
(74) mr.ir. F.N. Ferro
(31) 200710064886
(32) 28.03.2007
(33) China
(47) 07.08.2019

(51) F42B 3/13
F42B 3/198
F42C 19/08
(11) EP3314200
(21) EP16751026.2
(22) 27.06.2016
(54) INTEGRATED CIRCUIT INITIATOR DEVICE
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) SCHOLTES, Jozef Hubertus Gerardus
PRINSE, Wilhelmus Cornelis
VAN DER LANS, Marcus Johannes
(74) ir. C.M. Jansen c.s.
(31) 15174123
(32) 26.06.2015
(33) European Patent Office (EPO)
(47) 12.06.2019

(51) G01B 7/14
G01B 11/06
G01N 21/59
(11) EP2943741
(21) EP14737631.3
(22) 09.01.2014
(54) APPARATUS AND METHOD FOR CHARACTERIZING A REPLICA TAPE
(73) Defelsko Corporation
(72) VANDERVALK, Leon
STACHNIK, Robert V.
DAVIS, James Edward
(74) J.M.H. Duyver lic.
(31) 201361750521 P
(32) 09.01.2013
(33) United States of America
(47) 12.06.2019

(51) G01C 3/08
G02B 1/02
A01J 5/017
A01J 7/02
G02B 27/00
(11) EP3010332
(21) EP14734953.4
(22) 17.06.2014
(54) METHOD AND APPARATUS FOR CLEANING AN OPTICAL DETECTION DEVICE
(73) DeLaval Holding AB
(72) HOLMERTZ, Nils-Erik
(74) dr. W.A.H.M. Van Borm
(31) 1350745
(32) 18.06.2013
(33) Sweden
(47) 24.07.2019

(51) G01D 5/347
(11) EP2972111
(21) EP14717074.0
(22) 08.03.2014
(54) METHOD OF APPLYING A STRUCTURE ON AN ELEMENT, IN PARTICULAR ON AN ELEMENT OF AN ANGLE MEASURING SYSTEM
(73) Hoche, Randolf Karl
(72) Hoche, Randolf Karl
(31) 102013004156
(32) 10.03.2013
(33) Germany
(47) 26.12.2018

(51) G01D 5/347
B66C 11/00
B66C 13/46
(11) EP3167252
(21) EP15778619.5
(22) 15.09.2015
(54) APPARATUS AND METHOD FOR RELIABLY DETERMINING THE POSITION OF AN OBJECT
(73) Pepperl & Fuchs GmbH
(72) KIRSCH, Martin
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 05.06.2019

(51) G01F 1/84
G01F 1/684
(11) EP2530438
(21) EP12170442.3
(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
(74) ir. J.M.G. Dohmen c.s.
(31) 2006895
(32) 03.06.2011
(33) Netherlands
(47) 07.08.2019

(51) G01F 1/84
G01F 1/74
(11) EP2335032
(21) EP09783143.2
(22) 18.09.2009
(54) IN-LINE MEASURING DEVICE
(73) Endress+Hauser Flowtec AG
(72) KUTTLER, Daniel
RIEDER, Alfred
HUBER, Christof
ZHU, Hao
(74) ir. W.J.J.M. Kempes
(31) 102008050113
(32) 06.10.2008
(33) Germany
(47) 19.06.2019

(51) G01K 1/08
G01K 7/02
H01L 35/20
(11) EP2553738
(21) EP11714802.3
(22) 31.03.2011
(54) THERMOCOUPLE APPARATUS AND METHOD
(73) Cambridge Enterprise Limited
(72) SCERVINI, Michele
RAE, Cathie
(74) ir. C.M. Jansen c.s.
(31) 201005509
(32) 31.03.2010
(33) United Kingdom
(47) 26.06.2019

(51) G01M 3/26
A61F 2/00
(11) EP2999951
(21) EP14731917.2
(22) 21.05.2014
(54) METHOD AND DEVICE FOR DETECTING A SLOW LEAK IN A IMPLANTABLE HYDRAULIC BANDING SYSTEM
(73) Uromems
(72) LAMRAOUI, Hamid
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1354538
(32) 21.05.2013
(33) France
(47) 19.06.2019

(51) G01M 17/02
G01M 1/16
B29D 30/00

(11) EP3175215
(21) EP14898957.7
(22) 31.07.2014
(54) TIRE UNIFORMITY IMPROVEMENT THROUGH IDENTIFICATION OF A COMPOSITE UNIFORMITY PARAMETER USING MULTIVARIATE NORMAL DISTRIBUTIONS
(73) Compagnie Générale des Etablissements Michelin
(72) MAWBY, William, David
(74) ir. C.M. Jansen c.s.
(47) 05.06.2019

(51) G01N 1/12
G01N 33/20
(11) EP2525207
(21) EP12002651.3
(22) 17.04.2012
(54) Sampler for taking samples of melts with a melt point higher than 600°C and sampling method
(73) Heraeus Elektro-Nite International N.V.
(72) Song, Lihuan
Broekmans, Gerrit
Neyens, Guido, Jacobus
Beyens, Dries
(74) ir. W.J.J.M. Kempes
(31) 102011121183
102011101943
(32) 16.12.2011
18.05.2011
(33) Germany
Germany
(47) 19.06.2019

(51) G01N 1/22
H01J 49/04
G01N 21/39
(11) EP2350606
(21) EP09768111.8
(22) 20.11.2009
(54) GAS SAMPLING DEVICE
(73) Ap2E
(72) LONIGRO, Lucien
CHOLAT, Pierre
(74) dr. W.A.H.M. Van Borm
(31) 0806593
(32) 24.11.2008
(33) France
(47) 05.06.2019

(51) G01N 1/44
B01L 3/00
G01N 33/483
(11) EP2263069
(21) EP09729368.2
(22) 07.04.2009
(54) DEVICE FOR STORING A BIOLOGICAL SAMPLE AND FOR PREPARING THE BIOLOGICAL SAMPLE
(73) Denator Aktiebolag
(72) SKÖLD, Olof
PALMERS, Göran
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0800810
(32) 10.04.2008
(33) Sweden
(47) 05.06.2019

(51) G01N 11/08
G01N 33/22
(11) EP3189329
(21) EP15757251.2
(22) 01.09.2015
(54) GAS SENSOR
(73) Ecole Polytechnique Fédérale de Lausanne (EPFL)
(72) SLATER, Conor
FARINE, Gaël
(74) ir. C.H. Riem
(31) 14183247
(32) 02.09.2014
(33) European Patent Office (EPO)
(47) 19.06.2019

(51) G01N 27/327
(11) EP2972275
(21) EP14712547.0
(22) 10.03.2014
(54) WHOLE BLOOD HEMOLYSIS SENSOR
(73) Instrumentation Laboratory Company
(72) BALASUBRAMANIAN, Shankar
D'ORAZIO, Paul
(74) J.M.H. Duyver lic.
(31) 201361782166 P
(32) 14.03.2013
(33) United States of America
(47) 10.07.2019

(51) G01N 27/333
(11) EP2861976
(21) EP13732390.3
(22) 14.06.2013
(54) OPTIMIZED UNIVERSAL ION-SELECTIVE ELECTRODE
(73) PION Inc.
(72) BOHETS, Hugo
(74) dr. A. Krebs
(31) 201210525
(32) 14.06.2012
(33) United Kingdom
(47) 12.06.2019

(51) G01N 33/487
C12Q 1/68
G01N 27/447
(11) EP3196645
(21) EP17000425.3
(22) 17.09.2010
(54) BARE SINGLE-LAYER GRAPHENE MEMBRANE HAVING A NANOPORE ENABLING HIGH-SENSITIVITY MOLECULAR DETECTION AND ANALYSIS
(73) President and Fellows of Harvard College
(72) SLAVEN, Garaj
GOLOVCHENKO, Jene
BRANTON, Daniel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 243607 P
355528 P
(32) 18.09.2009
16.06.2010
(33) United States of America
United States of America
(47) 19.06.2019

(51) G01N 33/74
(11) EP3058374
(21) EP14789218.6
(22) 17.10.2014
(54) METHOD FOR DIAGNOSIS OF PRIMARY HYPERALDOSTERONISM
(73) Attoquant Diagnostics GmbH
(72) POGLITSCH, Marko
SCHWAGER, Cornelia
VAN OYEN, Dunja
LEITNER, Martin
(74) ir. F.A. Geurts c.s.
(31) 13189386
14152763
(32) 18.10.2013
28.01.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 26.06.2019

(51) G01P 15/093
G01D 5/353
G01L 1/24
G01L 5/00
G01H 9/00
G01P 15/18
G01P 15/08
G01V 1/18
(11) EP3295184
(21) EP15729948.8
(22) 08.05.2015
(54) OPTICAL SENSOR DEVICE, SENSOR APPARATUS AND CABLE
(73) Fugro Technology B.V.
(72) MATTHIJSSEN, Martijn
MEULBLOK, Bastiaan
KNOPPERS, German Enrique
KARABACAK, Devrez Mehmet
(74) ir. C.M. Jansen c.s.
(47) 05.06.2019

(51) G01S 5/02
G01S 11/06
G06Q 10/06
G01S 13/46
G01S 11/02
G08B 21/24
G06T 11/20
(11) EP3173808
(21) EP16205659.2
(22) 02.03.2010
(54) HYGIENE MONITORING AND MANAGEMENT SYSTEM AND METHOD
(73) Diversey, Inc.
(72) LI, Anderson Chung Kong
BHAGVANJI, Anup
(74) ir. F.A. Geurts c.s.
(31) 156569 P
(32) 02.03.2009
(33) United States of America
(47) 03.07.2019

(51) G01S 5/02
G06T 9/00
(11) EP3036556
(21) EP14745150.4
(22) 01.08.2014
(54) FREQUENCY TRANSFORMED RADIOMAP DATA SET
(73) HERE Global B.V.
(72) WIROLA, Lauri
SYRJÄRINNE, Jari
TALVITIE, Jukka
LOHAN, Elena-Simona
(74) ir. J.M.G. Dohmen c.s.
(31) 201315077
(32) 23.08.2013

(33) United Kingdom
(47) 31.07.2019

(51) G01S 17/42
G01S 7/48
G05D 1/02
(11) EP2836853
(21) EP12759813.4
(22) 11.04.2012
(54) APPARATUS AND METHOD FOR DETERMINING REFERENCE ELEMENTS OF AN ENVIRONMENT
(73) BALYO
(72) GARCIA, Olivier
DUVAL, Thomas
BRAVO, Raul
(74) ir. C.M. Jansen c.s.
(47) 12.06.2019

(51) G01T 7/00
(11) EP2279433
(21) EP09750074.8
(22) 18.05.2009
(54) AUTO CALIBRATION TECHNIQUE FOR RADIATION DETECTORS
(73) The Secretary of State For Defence
(72) JONES, Morgan
AULD, Graham
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0809198
(32) 21.05.2008
(33) United Kingdom
(47) 03.07.2019

(51) G02B 6/42
(11) EP2997405
(21) EP14797225.1
(22) 13.05.2014
(54) COMPACT MULTI-CHANNEL OPTICAL TRANSCEIVER MODULE
(73) Applied Optoelectronics, Inc.
(72) WANG, Yi,
HO, I-Lung,
LII, Justin,
(74) J.M.H. Duyver lic.
(31) 201313893802
(32) 14.05.2013
(33) United States of America
(47) 07.08.2019

(51) G02C 7/02
G02B 1/00
B29D 11/00
G02B 3/00
(11) EP3100100
(21) EP15743111.5
(22) 30.01.2015
(54) FABRICATING LENSES USING GRAVITY
(73) The Australian National University
(72) LEE, Woei Ming
(74) ir. P.J. Hylarides c.s.
(31) 2014900293
(32) 31.01.2014
(33) Australia
(47) 26.06.2019

(51) G03F 1/62
(11) EP3404485
(21) EP17171170.8
(22) 15.05.2017
(54) A LITHOGRAPHIC RETICLE SYSTEM
(73) IMEC vzw
IMEC USA NANOELECTRONICS DESIGN CENTER, Inc.
(72) JONCKHEERE, Rik
HUYGHEBAERT, Cedric
GALLAGHER, Emily
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 03.07.2019

(51) G03G 15/08
(11) EP2450752
(21) EP11186958.2
(22) 27.10.2011
(54) Developer storage body, image forming unit and image forming apparatus
(73) Oki Data Corporation
(72) Ushikubo, Junichi
(74) dr. A. Krebs
(31) 2010250931
(32) 09.11.2010
(33) Japan
(47) 21.08.2019

(51) G03G 15/08
G03G 21/16
(11) EP3062160
(21) EP16156037.0
(22) 17.02.2016
(54) REPLACEABLE UNIT FOR AN ELECTROPHOTOGRAPHIC IMAGE FORMING DEVICE HAVING AN ENGAGMENT MEMBER FOR POSITIONING A MAGNETIC SENSOR
(73) Lexmark International, Inc.
(72) Carpenter, Brian Scott
(74) ir. J.D. de Zeeuw
(31) 201514631146
(32) 25.02.2015
(33) United States of America
(47) 10.07.2019

(51) G03G 21/16
G03G 15/08
G03G 21/18
(11) EP3264191
(21) EP17175065.6
(22) 08.06.2017
(54) DEVELOPER STORAGE CONTAINER, DEVELOPING DEVICE, IMAGE FORMING APPARATUS AND SUBSTRATE SUPPORT STRUCTURE
(73) Oki Data Corporation
(72) Koido, Shigenori
(74) dr. A. Krebs
(31) 2016128303
(32) 29.06.2016
(33) Japan
(47) 14.08.2019

(51) G05B 5/01
G05B 11/28
(11) EP3252547
(21) EP17168918.5
(22) 02.05.2017
(54) METHOD FOR CONTROLLING A MOVEMENT OF A MOBILE BODY OF A MECHANICAL SYSTEM
(73) Primetals Technologies Austria GmbH
(72) Keintzel, Georg
Haas, Rainer
Kogler, Helmut
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 03.07.2019

(51) G05D 1/02
B60W 40/02
B60W 30/00
B60W 30/08
(11) EP2771751
(21) EP11867078.5
(22) 30.09.2011
(54) SENSOR FIELD SELECTION
(73) WAYMO LLC
(72) FAIRFIELD, Nathaniel
ZHU, Jiajun
DOLGOV, Dmitri, A.
(74) dr. A. Krebs
(31) 201113150385
(32) 01.06.2011
(33) United States of America
(47) 21.08.2019

(51) G05D 11/13
(11) EP3301533
(21) EP17193473.0
(22) 20.04.2007
(54) METHOD FOR CONTINUOUS IN-LINE BLENDING OF BUTANE AND PETROLEUM
(73) Texon LP
(72) MATTINGLY, Larry, D.
VANDERBUR, Steven, M.
(74) J.M.H. Duyver lic.
(31) 407523
(32) 20.04.2006
(33) United States of America
(47) 10.07.2019

(51) G06F 1/32
(11) EP2939081
(21) EP13869655.4
(22) 26.06.2013
(54) PERIODIC ACTIVITY ALIGNMENT
(73) Intel Corporation
(72) GORBATOV, Eugene
DIEFENBAUGH, Paul, S.
CRAWFORD, John H.
KUMAR, Anil K.
GRECO, Richard J.
(74) ir. W.J.J.M. Kempes
(31) 201213730074
(32) 28.12.2012
(33) United States of America
(47) 26.06.2019

(51) G06F 3/01
(11) EP2724209
(21) EP11868364.8
(22) 24.06.2011
(54) COMPUTER DEVICE OPERABLE WITH USER'S EYE MOVEMENT AND METHOD FOR OPERATING THE COMPUTER DEVICE
(73) InterDigital CE Patent Holdings
(72) SONG, Wenjuan
SONG, Jianping
DU, Lin
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 31.07.2019

(51) G06F 3/01
G06F 3/048
(11) EP1892605
(21) EP07114438.0

(22) 16.08.2007
(54) Apparatus, method, and medium of sensing movement of multi-touch point and mobile apparatus using the same
(73) Samsung Electronics Co., Ltd.
(72) Cho, Seong-il
Park, Joon-ah
Chang, Wook
Soh, Byung-seok
Kang, Kyoung-ho
(74) ir. P.J. Hylarides c.s.
(31) 20060079477
(32) 22.08.2006
(33) Korea (Republic)
(47) 05.06.2019

(51) G06F 3/0354
G06F 3/0346
(11) EP3022623
(21) EP14741856.0
(22) 17.07.2014
(54) ELECTRONIC PEN
(73) Stabilo International GmbH
(72) KÄMPF, Karl-Peter
(74) ir. H.J.G. Lips c.s.
(31) 102013214020
(32) 17.07.2013
(33) Germany
(47) 07.08.2019

(51) G06F 3/041
G06F 3/044
(11) EP3394714
(21) EP16812792.6
(22) 08.12.2016
(54) PRESSURE-SENSITIVE TOUCH PANEL
(73) Cambridge Touch Technologies, Ltd.
(72) BANKS, Simon
NATHAN, Arokia
(74) dr. A. Krebs
(31) 201522813
(32) 23.12.2015
(33) United Kingdom
(47) 21.08.2019

(51) G06F 3/041
G06F 3/044
H05K 7/06
(11) EP2631748
(21) EP13155848.8
(22) 19.02.2013
(54) Touch panel having improved visibility and method of manufacturing the same
(73) Samsung Electronics Co., Ltd
(72) Kim, Myung-Gon
Kim, Jong-Woo
Song, Hyon-Myong
Lee, Duck-Yong
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120018264
20120090487
(32) 23.02.2012
20.08.2012
(33) Korea (Republic)
Korea (Republic)
(47) 12.06.2019

(51) G06F 3/048
G06F 3/14
G06F 3/0483
(11) EP2684114
(21) EP12754695.0
(22) 04.03.2012
(54) TASK-BASED ADDRESS BAR AND TABS SCALING
(73) Microsoft Technology Licensing, LLC
(72) MANDIC, Mirko
KIM, Jane T.
(74) ir. P.J. Hylarides c.s.
(31) 201113042274
(32) 07.03.2011
(33) United States of America
(47) 26.06.2019

(51) G06F 3/048
G11B 27/34
G06F 3/0488
G06F 3/0484
G06F 3/0485
G11B 27/10
(11) EP2977874
(21) EP15182607.0
(22) 18.11.2008
(54) METHOD FOR PROVIDING GRAPHICAL USER INTERFACE (GUI), AND MULTIMEDIA APPARATUS APPLYING THE SAME
(73) Samsung Electronics Co., Ltd
(72) PARK, Chan-ho
HWANGBO, Kyoung-nyo
KIM, Mi-kyoung
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20080011594
(32) 05.02.2008
(33) Korea (Republic)
(47) 03.07.2019

(51) G06F 3/0481
(11) EP2238528
(21) EP09708655.7
(22) 08.01.2009
(54) ARRANGING DISPLAY AREAS UTILIZING ENHANCED WINDOW STATES
(73) Microsoft Technology Licensing, LLC
(72) MATTHEWS, David A.
SADEK, Mohamed A.M.
HOEFNAGELS, Stephan
BRUGIOLO, Ivan
(74) ir. P.J. Hylarides c.s.
(31) 24706
(32) 01.02.2008
(33) United States of America
(47) 03.07.2019

(51) G06F 3/0481
G06F 3/0484
G06F 3/0486
(11) EP3126946
(21) EP15716338.7
(22) 31.03.2015
(54) ORGANIZING USER INTERFACE ELEMENTS
(73) Microsoft Technology Licensing, LLC
(72) WELICKI, Leon Ezequiel
WANG, Mo
SCROSATI, Christopher
OWENS, Kristofer John
HARRIS, Jon
STERLING, Jonah Bush
SUPINO, Dina-Marie Ledonna
JOSHI, Vishal R.
FRANCISCO, Jesse David
DANTON, Stephen Michael
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201461974191 P
201414310617
(32) 02.04.2014
20.06.2014
(33) United States of America
United States of America
(47) 19.06.2019

(51) G06F 3/0481
G06F 3/0486
G06F 3/0488
G06F 3/0484
(11) EP3198391
(21) EP15775544.8
(22) 22.09.2015
(54) MULTI-FINGER TOUCHPAD GESTURES
(73) Microsoft Technology Licensing, LLC
(72) DOAN, Christopher
WORLEY, Matthew I.
DONAHUE, Tyler J.
SAPPINGTON, Emily Grace
KAROL, Sohit
SANGHAI, Nidhi S.
VRANJES, Miron
SLEMON, Matthew Kiichi
MITTEREDER, Andrew P.
(74) ir. P.J. Hylarides c.s.
(31) 201414494432
(32) 23.09.2014
(33) United States of America
(47) 26.06.2019

(51) G06F 3/0481
G06F 16/16
(11) EP1872193
(21) EP05776529.9
(22) 29.07.2005
(54) SYSTEM AND METHOD FOR VIEWING AND EDITING MULTI-VALUE PROPERTIES
(73) Microsoft Technology Licensing, LLC
(72) GUSMORINO, Paul, A.
KARAS, Ben
DE VORCHIK, David, G.
HARVEY, Marcus
MINER, Patrice, L.
BEAM, Tyler, K.
MCKEE, Timothy, P.
(74) ir. P.J. Hylarides c.s.
(31) 111968
(32) 22.04.2005
(33) United States of America
(47) 03.07.2019

(51) G06F 3/0482
G06F 3/0488
(11) EP2555103
(21) EP12172995.8
(22) 21.06.2012
(54) Information processing device, information processing method, and program
(73) Sony Corporation
(72) Murata, Yu
(74) ir. W.J.J.M. Kempes
(31) 2011168261
(32) 01.08.2011
(33) Japan
(47) 07.08.2019

(51) G06F 3/0488

G06F 3/0481
(11) EP2796982
(21) EP14164794.1
(22) 15.04.2014
(54) Method and apparatus for providing a changed shortcut icon corresponding to a status thereof
(73) Samsung Electronics Co., Ltd
(72) Won, Sung-Joon
Chong, Jae-Yoon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130044307
(32) 22.04.2013
(33) Korea (Republic)
(47) 12.06.2019

(51) G06F 3/06
(11) EP2955621
(21) EP15171204.9
(22) 09.06.2015
(54) ELECTRONIC DEVICE AND FILE STORING METHOD THEREOF
(73) Samsung Electronics Co., Ltd
(72) YUN, Sung Hwan
KIM, Sei Jin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20140070929
(32) 11.06.2014
(33) Korea (Republic)
(47) 31.07.2019

(51) G06F 8/41
G06F 9/455
(11) EP2281236
(21) EP09735848.5
(22) 06.03.2009
(54) JUST-AHEAD-OF-TIME COMPILATION
(73) Microsoft Technology Licensing, LLC
(72) GRICE, Matthew, B.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 106585
(32) 21.04.2008
(33) United States of America
(47) 26.06.2019

(51) G06F 9/06
G06F 9/30
G06F 13/14
G06T 1/00
G06T 15/00
(11) EP2277106
(21) EP09747102.3
(22) 15.04.2009
(54) SOFTWARE RASTERIZATION OPTIMIZATION
(73) Microsoft Technology Licensing, LLC
(72) PELTON, Blake
GLAISTER, Andy
LYAPUNOV, Mikhail
KIHSLINGER, Steve
TUFT, David
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 121402
(32) 15.05.2008
(33) United States of America
(47) 19.06.2019

(51) G06F 9/4401
(11) EP2817716
(21) EP13707994.3
(22) 20.02.2013
(54) SYSTEM AND METHOD FOR THERMALLY AWARE DEVICE BOOTING
(73) Qualcomm Incorporated
(72) ANDERSON, Jon J.
ALTON, Ron T.
CHIDAMBARAM, Praveen Kumar
THIELEN, Joshua D.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261602755 P
201213420139
(32) 24.02.2012
14.03.2012
(33) United States of America
United States of America
(47) 03.07.2019

(51) G06F 9/445
G06F 9/4401
(11) EP2189901
(21) EP09252648.2
(22) 19.11.2009
(54) Method and system to enable fast platform restart
(73) Intel Corporation
(72) Cooper, Barnes
Siddiqi, Faraz A.
Rothman, Michael A
Zimmer, Vincent J
(74) ir. W.J.J.M. Kempes
(31) 274276
(32) 19.11.2008
(33) United States of America
(47) 26.06.2019

(51) G06F 9/50
(11) EP3329372
(21) EP16751729.1
(22) 29.07.2016
(54) DYNAMIC RESOURCE ALLOCATION BASED UPON NETWORK FLOW CONTROL
(73) NetApp, Inc.
(72) EVERHART, Craig Fulmer
SHIVAPPA, Vishwajith
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201562199735 P
201514842086
(32) 31.07.2015
01.09.2015
(33) United States of America
United States of America
(47) 19.06.2019

(51) G06F 9/52
H04L 29/08
G06F 3/048
G06Q 10/10
(11) EP2992423
(21) EP13773981.9
(22) 20.09.2013
(54) PREVENTING SYNC INTERRUPTIONS
(73) Microsoft Technology Licensing, LLC
(72) MCDEVITT, Sarah
FAUCHERE, Clement
DUNCAN, Rick
WHYTOCK, Chris
GARSIDE, Adrian
(74) ir. P.J. Hylarides c.s.
(31) 201313873191
(32) 29.04.2013
(33) United States of America
(47) 26.06.2019

(51) G06F 11/14
G06F 11/20
(11) EP3163446
(21) EP14895667.5
(22) 04.11.2014
(54) DATA STORAGE METHOD AND DATA STORAGE MANAGEMENT SERVER
(73) Hangzhou Hikvision System Technology Co., Ltd.
(72) ZENG, Fanli
LIN, Peng
LIN, Qiqian
WANG, Weichun
(74) ir. J.C. Volmer c.s.
(31) 201410292889
(32) 26.06.2014
(33) China
(47) 14.08.2019

(51) G06F 11/36
(11) EP3072051
(21) EP14805759.9
(22) 14.11.2014
(54) DIAGNOSING PRODUCTION APPLICATIONS BASED ON PROCESS SNAPSHOTS
(73) Microsoft Technology Licensing, LLC
(72) DAVIS, Jackson
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201314083157
(32) 18.11.2013
(33) United States of America
(47) 19.06.2019

(51) G06F 13/42
(11) EP3155697
(21) EP15795241.7
(22) 11.06.2015
(54) REVERSIBLE CONNECTOR FOR ACCESSORY DEVICES
(73) Microsoft Technology Licensing, LLC
(72) HUANG, Heng
HE, Yi
EVANS, Duane Martin
OBIE, Gene Robert
(74) J.M.H. Duyver lic.
(31) 201414304174
(32) 13.06.2014
(33) United States of America
(47) 24.07.2019

(51) G06F 15/16
H04M 3/00
H04M 3/56
H04M 19/04
(11) EP3049949
(21) EP14805713.6
(22) 04.11.2014
(54) ACOUSTIC FEEDBACK CONTROL FOR CONFERENCE CALLS
(73) Microsoft Technology Licensing, LLC
(72) KOENIG, Lionel
(74) ir. C.M. Jansen c.s.
(31) 201319687
201414173523
(32) 07.11.2013
05.02.2014
(33) United Kingdom
United States of America

(47) 12.06.2019

(51) G06F 16/951
G06F 16/2457
(11) EP1779273
(21) EP05784308.8
(22) 08.08.2005
(54) MULTI-STAGE QUERY PROCESSING SYSTEM AND METHOD FOR USE WITH TOKENSPACE REPOSITORY
(73) Google LLC
(72) DEAN, Jeffrey Adgate
HAAHR, Paul G.
SERCINOGLU, Olcan
SINGHAL, Amitabh K.
(74) ir. C.M. Jansen c.s.
(31) 917746
(32) 13.08.2004
(33) United States of America
(47) 19.06.2019

(51) G06F 17/30
(11) EP2115634
(21) EP07855337.7
(22) 21.12.2007
(54) METHOD AND SYSTEM FOR SEARCHING STORED DATA
(73) Commvault Systems, Inc.
(72) KOTTOMTHARAYIL, Rajiv
MAY, Andreas
BROCKWAY, Brian
MULLER, Marcus S..
PRAHLAD, Anand
KAVURI, Srinivas
PRASAD, Arun
(74) ir. J.C. Volmer c.s.
(31) 871735 P
931034
(32) 22.12.2006
31.10.2007
(33) United States of America
United States of America
(47) 19.06.2019

(51) G06F 21/10
H04L 29/06
H04L 29/02
H04L 12/58
H04L 12/66
H04L 12/18
H04N 7/15
(11) EP2382746
(21) EP10733756.0
(22) 12.01.2010
(54) CONVERSATION RIGHTS MANAGEMENT
(73) Microsoft Technology Licensing, LLC
(72) RAMANATHAN, Rajesh
LOONEY, William
BHATTACHARJEE, Avronil
GUPTA, Amit
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 359485
(32) 26.01.2009
(33) United States of America
(47) 03.07.2019

(51) G06F 21/52
G06F 21/54
G06F 21/64
G06F 21/51
G06F 21/14
(11) EP3301601
(21) EP16191975.8
(22) 30.09.2016
(54) INTEGRITY OF ON DEMAND CODE DECRYPTION
(73) Nagravision SA
(72) DORÉ, Laurent
PIRET, Eric
BRECHT, Wyseur
(74) drs. W.H.P. Derks
(47) 03.07.2019

(51) G06F 21/53
G06F 17/22
G06F 9/445
(11) EP2356582
(21) EP09836588.5
(22) 11.11.2009
(54) ISOLATING APPLICATIONS HOSTED BY PLUG-IN CODE
(73) Microsoft Technology Licensing, LLC
(72) GEORGE, Sam
KAZA, Akhilesh
HARSH, Michael R.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 330528
(32) 09.12.2008
(33) United States of America
(47) 19.06.2019

(51) G06F 21/55
G06F 21/62
H04L 29/06
(11) EP3356984
(21) EP16781262.7
(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
(74) ir. J.M.G. Dohmen c.s.
(31) 201514874265
(32) 02.10.2015
(33) United States of America
(47) 07.08.2019

(51) G06K 9/62
H04M 1/725
G06K 9/00
H04L 29/06
H04L 9/32
G06K 19/07
G06F 21/32
(11) EP3296907
(21) EP16894126.8
(22) 05.08.2016
(54) METHOD FOR FINGERPRINT UNLOCKING AND TERMINAL
(73) Guangdong OPPO Mobile Telecommunications Corp., Ltd.
(72) ZHANG, Haiping
ZHOU, Yibao
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201610147997
(32) 15.03.2016
(33) China
(47) 19.06.2019

(51) G06K 19/077
H04B 17/17
H04W 88/08
H04W 24/06
H01Q 1/22
G06K 19/07
(11) EP3323089
(21) EP16748276.9
(22) 15.07.2016
(54) SYSTEM FOR DETERMINING THE LAYOUT AND ABSOLUTE AND RELATIVE POSITIONS OF ELEMENTS IN A DISTRIBUTED ANTENNA SYSTEM AND FOR USE OF THE ELEMENTS FOR MEASUREMENT
(73) Andrew Wireless Systems GmbH
(72) KUMMETZ, Thomas
RANSON, Christopher Goodman
LANGE, Keld Knut
(74) ir. J.D. de Zeeuw
(31) 201562193394 P
(32) 16.07.2015
(33) United States of America
(47) 03.07.2019

(51) G06Q 50/10
(11) EP3117395
(21) EP15761339.9
(22) 10.03.2015
(54) ANALYTICS-BASED UPDATE OF DIGITAL CONTENT
(73) Google LLC
(72) REILLY, James
SHALABI, Sami, Mohammed
AGARWAL, Mehul
DEPINET, Michael, Scott
(74) dr. A. Krebs
(31) 201414210050
(32) 13.03.2014
(33) United States of America
(47) 21.08.2019

(51) G06T 1/60
G06T 15/00
(11) EP2860690
(21) EP14182972.1
(22) 31.08.2014
(54) Techniques and architecture for improved vertex processing
(73) Intel Corporation
(72) Sathe, Rahul P.
Foley, Tim
(74) ir. W.J.J.M. Kempes
(31) 201314039732
(32) 27.09.2013
(33) United States of America
(47) 26.06.2019

(51) G06T 7/11
G06T 7/33
G06T 7/174
G06T 7/194
G06T 3/00
(11) EP3454298
(21) EP17189567.5
(22) 06.09.2017
(54) CAMERA DEVICE AND METHOD FOR RECORDING A FLOW OF OBJECTS
(73) Sick AG
(72) Walter, Stephan
Hafner, Carl

(47) 07.08.2019

(51) G06T 11/20
H02J 13/00
H02J 3/00
(11) EP3292540
(21) EP16726837.4
(22) 25.05.2016
(54) METHOD FOR OPERATING A NETWORK WITH A PLURALITY OF NODE DEVICES AND CORRESPONDING NETWORK
(73) Siemens Aktiengesellschaft
(72) KROMPASS, Denis
MÜNZ, Ulrich
RUSITSCHKA, Sebnem
TRESP, Volker
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015212026
(32) 29.06.2015
(33) Germany
(47) 26.06.2019

(51) G06T 11/60
(11) EP2777025
(21) EP12846930.1
(22) 14.09.2012
(54) INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM
(73) Sony Corporation
(72) KASAHARA, Shunichi
(74) ir. W.J.J.M. Kempes
(31) 2011247568
(32) 11.11.2011
(33) Japan
(47) 07.08.2019

(51) G06T 15/20
G06T 15/50
(11) EP1926052
(21) EP07121427.4
(22) 23.11.2007
(54) Method, medium, and system rendering 3 dimensional graphics data considering fog effect
(73) Samsung Electronics Co., Ltd.
(72) Woo, Sang-oak
Jung, Seok-yoon
Park, Chan-min
(74) ir. J.C. Volmer c.s.
(31) 20060116583
(32) 23.11.2006
(33) Korea (Republic)
(47) 19.06.2019

(51) G08B 25/01
(11) EP3171350
(21) EP16199723.4
(22) 21.11.2016
(54) IDENTIFYING A PERSON DETECTED IN A MONITORED LOCATION
(73) Essence Smartcare Ltd
(72) Amir, Ohad
(74) ir. W.J.J.M. Kempes
(31) 201562258558 P
(32) 23.11.2015
(33) United States of America
(47) 12.06.2019

(51) G08B 25/14
G08B 3/10
G08B 25/00
G08B 21/02
G06F 16/11
G06F 16/61
(11) EP3335207
(21) EP16774764.1
(22) 19.09.2016
(54) HISTORY ARCHIVE OF LIVE AUDIO AND METHODS OF USING THE SAME
(73) Siemens Industry, Inc.
(72) EL-MANKABADY, Emad
IASSO, Daniel S.
LIMLAW, Robert
PERLAK, Lester K.
BAKER, George E.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514868881
(32) 29.09.2015
(33) United States of America
(47) 05.06.2019

(51) G08C 17/02
G08C 23/04
(11) EP2339559
(21) EP10159268.1
(22) 07.04.2010
(54) METHOD FOR PAIRING A MOTOR WITH A REMOTE CONTROL DEVICE
(73) Güler, Muzaffer
(72) Güler, Muzaffer
(74) dr. A. Ellens c.s.
(31) 200900808
(32) 22.12.2009
(33) Belgium
(47) 12.06.2019

(51) G09G 3/32
G09F 9/302
(11) EP3113161
(21) EP15859996.9
(22) 02.07.2015
(54) VARIABLE LED DISPLAY SCREEN
(73) Glux Visual Effects Tech (Shenzhen) Co., Ltd.
(72) LAN, Ming
XU, Yuancai
(74) ir. W.J.J.M. Kempes
(31) 201510227454
(32) 06.05.2015
(33) China
(47) 12.06.2019

(51) G09G 3/32
G09G 3/20
(11) EP2657929
(21) EP13162683.0
(22) 08.04.2013
(54) Transparent display apparatus and method thereof
(73) Samsung Electronics Co., Ltd
(72) Yun, Il-kook
Lee, Geun-ho
Lee, Chang-soo
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120036475
(32) 08.04.2012
(33) Korea (Republic)
(47) 12.06.2019

(51) G10L 19/022
(11) EP3288028
(21) EP17194762.5
(22) 25.08.2008
(54) LOW-COMPLEXITY SPECTRAL ANALYSIS/SYNTHESIS USING SELECTABLE TIME RESOLUTION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) TALEB, Anisse
(74) ir. J.M.G. Dohmen c.s.
(31) 968125 P
(32) 27.08.2007
(33) United States of America
(47) 03.07.2019

(51) G10L 21/0216
G10K 11/00
G10K 11/178
(11) EP3008728
(21) EP14810578.6
(22) 29.05.2014
(54) METHOD FOR CANCELLING NOISE AND ELECTRONIC DEVICE THEREOF
(73) Samsung Electronics Co., Ltd.
(72) RHEE, Min-Su
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130067809
(32) 13.06.2013
(33) Korea (Republic)
(47) 03.07.2019

(51) G16H 40/40
(11) EP2742447
(21) EP12747977.2
(22) 09.08.2012
(54) CRYPTOGRAPHIC DATA DISTRIBUTION AND REVOCATION FOR HANDHELD MEDICAL DEVICES
(73) F.Hoffmann-La Roche AG
(72) SCHWENKER, Kai-Oliver
TENBARGE, James
BRITWHISTLE, Daniel
PORSCH, Ulrich
RACHNER, Eric
(74) drs. C.M.A. Quintelier
(31) 201113207934
(32) 11.08.2011
(33) United States of America
(47) 17.07.2019

(51) G16H 40/63
(11) EP2628104
(21) EP11769868.8
(22) 12.10.2011
(54) USE OF A HANDHELD MEDICAL DEVICE AS A COMMUNICATIONS MEDIATOR BETWEEN A PERSONAL COMPUTER-BASED CONFIGURATOR AND ANOTHER NETWORKED MEDICAL DEVICE
(73) F.Hoffmann-La Roche AG
(72) NIERZWICK, Mark
RAMEY, Blaine Edward
REINKE, Robert Eugene
(74) drs. C.M.A. Quintelier
(31) 975467
393554 P
(32) 22.12.2010
15.10.2010
(33) United States of America
United States of America
(47) 17.07.2019

(51) G21F 1/10

D01F 1/10
D03D 15/00
G21F 3/02
D01D 5/30
D03D 1/00
(11) EP2981975
(21) EP14779514.0
(22) 04.04.2014
(54) RADIATION PROTECTIVE MATERIAL
(73) Ten Medical Design AB
(72) APELL, Petra
GELLERSTEDT, Fredrik
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1350419
(32) 05.04.2013
(33) Sweden
(47) 05.06.2019

(51) G21F 9/12
B01D 39/08
(11) EP3416173
(21) EP17756907.6
(22) 10.02.2017
(54) METHOD FOR PURIFYING LIQUID RADIOACTIVE WASTE
(73) Tsyvyan, Vadim Pavlovich
Future Resources Capital LLP
(72) REMEZ, Viktor Pavlovich
(74) J.M.H. Duyver lic.
(31) 2016104838
(32) 12.02.2016
(33) Russian Federation
(47) 19.06.2019

(51) H01G 11/24
H01G 11/26
H01G 11/38
H01G 11/46
H01G 11/52
H01M 2/16
C01B 33/18
H01M 4/62
H01G 11/36
(11) EP3340261
(21) EP17186722.9
(22) 17.07.2013
(54) DIATOMACEOUS ENERGY STORAGE DEVICES
(73) Printed Energy Pty Ltd
(72) Lockett, Vera N.
Gustafson, John G.
Ray, William J.
Lowenthal, Mark
(74) drs. C.M.A. Quintelier
(31) 201261673149 P
201361750757 P
(32) 18.07.2012
09.01.2013
(33) United States of America
United States of America
(47) 21.08.2019

(51) H01J 49/04
B01J 20/28
G01N 1/40
(11) EP2422355
(21) EP10767399.8
(22) 23.04.2010
(54) PARTICLE-LOADED MEMBRANE FOR SOLID-PHASE-EXTRACTION AND METHOD FOR PERFORMING SALDI-MS ANALYSIS OF AN ANALYTE
(73) Amini, Nahid
Ilag, Leopold L.
Shariatgorji, Mohammadreza
(72) THORSÉN, Erik, Gunnar
AMINI, Nahid
ILAG, Leopold L.
SHARIATGORJL, Mohammadreza
(74) ir. W.J.J.M. Kempes
(31) 0950271
(32) 24.04.2009
(33) Sweden
(47) 26.06.2019

(51) H01L 23/62
H02H 9/02
G01R 31/28
G01R 31/02
(11) EP3411722
(21) EP17702452.8
(22) 09.01.2017
(54) SHORT-RESISTANT OUTPUT PIN CIRCUITRY
(73) Qualcomm Incorporated
(72) BANSAL, Virendra
GULATI, Rahul
BHUYAN, Pranjal
JAIN, Palkesh
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201615012723
(32) 01.02.2016
(33) United States of America
(47) 10.07.2019

(51) H01L 31/10
G01J 1/44
G01T 1/17
G01T 1/20
G01T 7/00
H04N 5/335
H04N 5/355
H04N 5/378
(11) EP2395566
(21) EP10738469.5
(22) 29.01.2010
(54) SIGNAL PROCESSING DEVICE AND PHOTODETECTION DEVICE
(73) Hamamatsu Photonics K.K.
(72) MIZUNO Seiichiro
YAMAMOTO Hiroo
KOBAYASHI Makoto
(74) ir. C.M. Jansen c.s.
(31) 2009022762
(32) 03.02.2009
(33) Japan
(47) 10.07.2019

(51) H01L 33/04
H01L 33/06
H01L 33/32
(11) EP2259347
(21) EP10180148.8
(22) 23.05.2002
(54) Group III nitride based light emitting diodes with a quantum well and a superlattice
(73) Cree, Inc.
(72) Emerson, David Todd
Bergmann, Michael John
Doverspike, Kathleen Marie
O'Loughlin, Michael John
Nordby, Howard Dean Jr.
Ibbetson, James
Salter, Amber Christine
(74) ir. H.J.G. Lips c.s.
(31) 294445 P
294308 P
294378 P
140796
(32) 30.05.2001
30.05.2001
30.05.2001
07.05.2002
(33) United States of America
United States of America
United States of America
United States of America
(47) 14.08.2019

(51) H01M 2/10
B60L 11/18
(11) EP3281239
(21) EP16716019.1
(22) 06.04.2016
(54) RAPIDLY EXCHANGEABLE BATTERY MODULE AND MOTOR VEHICLE, IN PARTICULAR A SCOOTER
(73) Ujet S.A.
(72) DAVID, Patrick
GREHL, Mariana
SPEIDEL, Timo
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015105330
(32) 08.04.2015
(33) Germany
(47) 26.06.2019

(51) H01M 4/134
H01M 4/1395
H01M 4/36
H01M 4/38
H01M 4/04
H01M 10/052
(11) EP3143657
(21) EP15791953.1
(22) 12.05.2015
(54) STRUCTURALLY CONTROLLED DEPOSITION OF SILICON ONTO NANOWIRES
(73) Amprius, Inc.
(72) WANG, Weijie
LIU, Zuqin
HAN, Song
BORNSTEIN, Jonathan
STEFAN, Constantin Ionel
(74) ir. C.G.C. Veldman-Dijkers
(31) 201461992121 P
(32) 12.05.2014
(33) United States of America
(47) 10.07.2019

(51) H01P 1/208
H01P 1/213
(11) EP2559098
(21) EP11714588.8
(22) 18.04.2011
(54) MULTI-BAND FILTER
(73) Astrium Limited
(72) KUNES, Mark, Anthony
(74) ir. W.J.J.M. Kempes
(31) 10275041
(32) 16.04.2010

(33) European Patent Office (EPO)
(47) 21.08.2019

(51) H01R 4/48
(11) EP2956992
(21) EP14704142.0
(22) 12.02.2014
(54) CONDUCTOR TERMINAL
(73) Wago Verwaltungsgesellschaft mbH
(72) KÖLLMANN, Hans-Josef
GERBERDING, Wolfgang
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102013101406
(32) 13.02.2013
(33) Germany
(47) 03.07.2019

(51) H01S 3/03
H01S 3/038
H01S 3/223
(11) EP2997631
(21) EP14735701.6
(22) 13.05.2014
(54) LASER TUBE WITH BAFFLES
(73) Novanta Corporation
(72) BETHEL, Jason, W.
LIMA, Melvin, J.
LITMANOVICH, Yakov, L.
(74) ir. P.J. Hylarides c.s.
(31) 201361822562 P
(32) 13.05.2013
(33) United States of America
(47) 10.07.2019

(51) H02G 1/08
(11) EP3108550
(21) EP15705971.8
(22) 17.02.2015
(54) METHOD FOR INSTALLING AN ELONGATED ELEMENT INTO A BENDED DUCT
(73) Plumettaz Holding S.A.
(72) GRIFFIOEN, Willem
(74) drs. C.M.A. Quintelier
(31) 206142014
(32) 17.02.2014
(33) Switzerland
(47) 14.08.2019

(51) H02G 1/12
H02G 1/00
B26B 13/00
(11) EP3018778
(21) EP15020215.8
(22) 02.11.2015
(54) PAIR OF SHEARS FOR CUTTING TUBES
(73) Klinkers, Marcus Leonardus Hendrickus Hubertus
Dam, Danny Marinus Theresia
(72) Klinkers, Marcus Leonardus Hendrickus Hubertus
Dam, Danny Marinus Theresia
(74) Michel Gilio
(31) 2013733
(32) 04.11.2014
(33) Netherlands
(47) 21.08.2019

(51) H02J 3/38
F03D 7/04
F03D 9/25
(11) EP2928037
(21) EP15155514.1
(22) 18.02.2015
(54) Output control device, method and program for wind farm
(73) Kabushiki Kaisha Toshiba
(72) Hiromasa, Katsutoshi
Kosaka, Yoko
Tanomura, Kenichi
Yamada, Toshimasa
Tone, Yoichi
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014077381
(32) 03.04.2014
(33) Japan
(47) 03.07.2019

(51) H02J 7/00
(11) EP3113321
(21) EP16177570.5
(22) 01.07.2016
(54) SYSTEM AND METHOD FOR MONITORING AND CONTROLLING PARALLEL BATTERIES
(73) Carrier Corporation
(72) SELISKI, John
KYLLONEN, Kimmo A.
(74) J.M.H. Duyver lic.
(31) 201562187684 P
(32) 01.07.2015
(33) United States of America
(47) 28.08.2019

(51) H02J 7/00
H02J 7/04
H02J 7/02
H02M 3/335
(11) EP3282551
(21) EP17746704.0
(22) 07.01.2017
(54) ADAPTER AND CHARGING CONTROL METHOD
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) TIAN, Chen
ZHANG, Jialiang
(74) drs. C.M.A. Quintelier
(31) PCT/CN2016/073679
201610600612
(32) 05.02.2016
26.07.2016
(33) World Intellectual Property Office (WIPO)
China
(47) 14.08.2019

(51) H02J 7/02
H02J 50/90
H02J 50/80
(11) EP3238323
(21) EP15874273.4
(22) 22.12.2015
(54) METHOD FOR 3 DIMENSIONAL POCKET-FORMING
(73) Energous Corporation
(72) LEABMAN, Michael, A.
BREWER, Gregory, Scott
(74) ir. H.J.G. Lips c.s.
(31) 201414583643
(32) 27.12.2014
(33) United States of America
(47) 07.08.2019

(51) H02K 5/22
H02K 5/04
H02K 15/00
F03D 1/00
F03D 80/50
H02K 7/18
(11) EP2512007
(21) EP11162609.9
(22) 15.04.2011
(54) Access means for an electrical machine
(73) Siemens Gamesa Renewable Energy A/S
(72) Booth, James Kenneth
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 05.06.2019

(51) H02K 21/44
H02K 41/03
H02P 25/08
H01H 36/00
(11) EP2693616
(21) EP12763814.6
(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
(47) 07.08.2019

(51) H03F 1/32
(11) EP3311484
(21) EP15731724.9
(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.
(74) ir. J.M.G. Dohmen c.s.
(47) 07.08.2019

(51) H03F 3/21
H03G 1/00
H03G 3/30
H03F 3/195
H03F 1/02
H03F 3/193
H03F 3/24
H03F 3/45
H03F 3/72
H04B 1/04
H03D 7/14
(11) EP2195924
(21) EP08787745.2
(22) 22.08.2008
(54) SIGNAL AMPLIFIER STRUCTURE FOR RADIO TRANSMITTER
(73) Nokia Technologies Oy
(72) VILHONEN, Sami
(74) ir. W.J.J.M. Kempes
(31) 20075586
(32) 24.08.2007
(33) Finland
(47) 05.06.2019

(51) H04B 1/40

H04W 88/06
H04M 1/725
H04W 52/02
(11) EP2215734
(21) EP08854078.6
(22) 25.11.2008
(54) SLEEP MODE FOR MOBILE COMMUNICATION DEVICE
(73) Microsoft Technology Licensing, LLC
(72) VARGAS, Sandra Irene
ROWE, Keith
CHIN, Peter
ANDREWS, Anton
(74) ir. P.J. Hylarides c.s.
(31) 948157
(32) 30.11.2007
(33) United States of America
(47) 03.07.2019

(51) H04B 7/024
H04B 7/0456
H04B 7/06
(11) EP2811660
(21) EP13743258.9
(22) 01.02.2013
(54) METHOD AND DEVICE FOR TRANSMITTING AND RECEIVING CHANNEL STATE INFORMATION IN DOWNLINK COORDINATED MULTI-POINT SYSTEM
(73) Samsung Electronics Co., Ltd.
(72) LEE, Hyo Jin
KIM, Youn Sun
KIM, Ki Il
LEE, Ju Ho
CHO, Joon Young
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261593411 P
(32) 01.02.2012
(33) United States of America
(47) 31.07.2019

(51) H04B 7/04
H04B 7/06
H04B 7/0452
H04L 12/26
(11) EP2826161
(21) EP13720585.2
(22) 14.03.2013
(54) COMBINING CHANNEL QUALITY MEASUREMENTS BASED ON SOUNDING REFERENCE SIGNALS AND DEMODULATION REFERENCE SIGNALS
(73) Guangdong OPPO Mobile Telecommunications Corp., Ltd.
(72) PARK, Chester
(74) dr. A. Krebs
(31) 201213421055
(32) 15.03.2012
(33) United States of America
(47) 21.08.2019

(51) H04B 7/155
H04L 1/08
H04L 12/18
H04W 4/06
H04W 84/04
H04L 1/00
(11) EP2730056
(21) EP12735319.1
(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
(74) ir. W.J.J.M. Kempes
(31) 201111739
(32) 08.07.2011
(33) United Kingdom
(47) 07.08.2019

(51) H04B 7/26
H04J 11/00
H04L 5/00
H04W 72/04
H04W 28/16
H04W 36/00
H04W 48/16
H04W 88/10
H04B 17/318
(11) EP2807765
(21) EP13741219.3
(22) 18.01.2013
(54) DYNAMIC UPLINK AND DOWNLINK CONFIGURATION USING FLEXIBLE SUBFRAMES
(73) Intel Corporation
(72) HE, Hong
FWU, Jong-Kae
(74) ir. W.J.J.M. Kempes
(31) 201261589774 P
201213608369
(32) 23.01.2012
10.09.2012
(33) United States of America
United States of America
(47) 26.06.2019

(51) H04B 10/69
(11) EP3400659
(21) EP16825644.4
(22) 20.12.2016
(54) IN-BAND OPTICAL INTERFERENCE MITIGATION FOR DIRECT-DETECTION OPTICAL COMMUNICATION SYSTEMS
(73) Google LLC
(72) ZHOU, Xiang
URATA, Ryohei
MAO, Erji
LIU, Hong
JOHNSON, Christopher Lyle
(74) ir. H.Th. van den Heuvel c.s.
(31) 201614991826
(32) 08.01.2016
(33) United States of America
(47) 05.06.2019

(51) H04L 1/06
H04B 1/40
(11) EP2920904
(21) EP13854730.2
(22) 30.05.2013
(54) ADAPTIVE ANTENNA SELECTION
(73) Intel Corporation
Wong, Hong W.
Kwong, Wah Yiu
(72) WONG, Hong W.
KWONG, Wah Yiu
(74) ir. W.J.J.M. Kempes
(31) 201213679082
(32) 16.11.2012
(33) United States of America
(47) 26.06.2019

(51) H04L 1/16
(11) EP2675094
(21) EP13181835.3
(22) 09.12.2008
(54) Method in a telecommunication system
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) Astely, David
Hu, Yang
Wan, Lei
Larsson, Daniel
(74) ir. J.M.G. Dohmen c.s.
(31) 76899 P
(32) 30.06.2008
(33) United States of America
(47) 07.08.2019

(51) H04L 1/16
H04L 27/26
H04B 7/26
H04W 72/04
(11) EP2639984
(21) EP11839830.4
(22) 11.11.2011
(54) UPLINK CONTROL INFORMATION TRANSMITTING/RECEIVING METHOD AND DEVICE IN A WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) LEE, Hyunwoo
CHUNG, Jaehoon
HAN, Seunghee
(74) ir. J.C. Volmer c.s.
(31) 201161483763 P
412405 P
(32) 09.05.2011
11.11.2010
(33) United States of America
United States of America
(47) 31.07.2019

(51) H04L 1/18
H04L 5/00
(11) EP2863572
(21) EP14191870.6
(22) 03.08.2012
(54) Allocating physical hybrid ARQ indicator channel (PHICH) resources
(73) Qualcomm Incorporated
(72) Chen, Wanshi
Damnjanovic, Jelena M.
Montojo, Juan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161514757 P
201213565704
(32) 03.08.2011
02.08.2012
(33) United States of America
United States of America
(47) 03.07.2019

(51) H04L 5/00
H04L 5/14
H04W 72/04
H04W 24/10
H04L 1/00
(11) EP3000266

(21) EP13885355.1
(22) 20.05.2013
(54) METHOD AND ARRANGEMENT FOR CSI MEASUREMENT
(73) Guangdong OPPO Mobile Telecommunications Corp., Ltd.
(72) LIU, Jinhua
SONG, Xinghua
(74) dr. A. Krebs
(47) 21.08.2019

(51) H04L 5/00
H04W 72/02
(11) EP3334079
(21) EP16203397.1
(22) 12.12.2016
(54) VERSATILE CHANNEL SELECTION PROCEDURE FOR WIRELESS NETWORK
(73) Kyynel Oy
(72) Vanninen, Teemu
Raustia, Matti
(74) J.M.H. Duyver lic.
(47) 19.06.2019

(51) H04L 5/00
H04W 74/08
H04W 72/02
H04W 74/00
H04W 72/04
(11) EP3337271
(21) EP18155538.4
(22) 25.03.2014
(54) ENHANCED PRACH PREAMBLE FORMAT
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SAHLIN, Henrik
ANDERSSON, Håkan
FURUSKOG, Johan
NAUCLÉR, Peter
BALDEMAIR, Robert
PARKVALL, Stefan
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 03.07.2019

(51) H04L 5/14
H04L 5/00
H04B 7/0452
H04B 7/08
H04W 72/12
H04W 74/02
H04W 74/08
(11) EP3443704
(21) EP17727742.3
(22) 12.05.2017
(54) MULTIPLEXING OF SUBFRAMES WITH DIFFERENT SUBCARRIER SPACINGS
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) BALDEMAIR, Robert
ABRAHAMSSON, Richard
AKTAS, Ismet
ALRIKSSON, Peter
ANSARI, Junaid
ASHRAF, Shehzad Ali
ASPLUND, Henrik
ATHLEY, Fredrik
AXELSSON, Håkan
AXMON, Joakim
AXNÄS, Johan
BALACHANDRAN, Kumar
BARK, Gunnar
BERG, Jan-Erik
BERGSTRÖM, Andreas
BJÖRKEGREN, Håkan
BRAHMI, Nadia
CAPAR, Cagatay
CARLSSON, Anders
CEDERGREN, Andreas
COLDREY, Mikael
DA SILVA, Icaro L. J.
DAHLMAN, Erik
EL ESSAILI, Ali
ENGSTRÖM, Ulrika
ERICSON, Mårten
ERIKSSON, Erik
FALLGREN, Mikael
FAN, Rui
FODOR, Gabor
FRENGER, Pål
FRIDÉN, Jonas
FRÖBERG OLSSON, Jonas
FURUSKÄR, Anders
FURUSKOG, Johan
GARCIA, Virgile
GATTAMI, Ather
GUNNARSSON, Fredrik
GUSTAVSSON, Ulf
HAGERMAN, Bo
HARRYSSON, Fredrik
HE, Ning
HESSLER, Martin
HILTUNEN, Kimmo
HONG, Songnam
HUI, Dennis
HUSCHKE, Jörg
IRNICH, Tim
JACOBSSON, Sven
JALDÉN, Niklas
JÄRMYR, Simon
JIANG, Zhiyuan
JOHANSSON, Martin
JOHANSSON, Niklas
KANG, Du Ho
KARIPIDIS, Eleftherios
KARLSSON, Patrik
KHAYRALLAH, Ali S.
KILINC, Caner
KLANG, Göran N.
KRONANDER, Jonas
LANDSTRÖM, Sara
LARSSON, Christina
LI, Gen
LINDBOM, Lars
LINDGREN, Robert
LINDOFF, Bengt
LINDQVIST, Fredrik
LIU, Jinhua
LOHMAR, Thorsten
LU, Qianxi
MANHOLM, Lars
MARIC, Ivana
MEDBO, Jonas
MIAO, Qingyu
MILDH, Gunnar
MOOSAVI, Reza
MÜLLER, Walter
MZHRE, Elena
NORMAN, Karl
OLSSON, Bengt-Erik
PALENIUS, Torgny
PARKVALL, Stefan
PEISA, Janne
PETERSSON, Sven
PRADAS, Jose Luis
PRYTZ, Mikael
QUUESETH, Olav
RAMACHANDRA, Pradeepa
RAMOS, Edgar
RELAL, Andres
RIMHAGEN, Thomas
RINGH, Emil
RUGELAND, Patrik
RUNE, Johan
SACHS, Joachim
SAHLIN, Henrik
SAXENA, Vidit
SEIFI, Nima
SELÉN, Yngve
(74) ir. J.M.G. Dohmen c.s.
(31) 201615154212
(32) 13.05.2016
(33) United States of America
(47) 31.07.2019

(51) H04L 12/18
(11) EP3373513
(21) EP17187557.8
(22) 23.08.2017
(54) METHOD FOR MONITORING BROADCAST MESSAGE AND TERMINAL
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) PEI, Runsheng
FU, Liangjing
LIN, Zhiyong
WU, Ruyu
ZHANG, Jun
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201710142302
(32) 10.03.2017
(33) China
(47) 19.06.2019

(51) H04L 12/28
H04W 28/18
H04W 88/02
(11) EP3293921
(21) EP17001548.1
(22) 05.10.2007
(54) COMMUNICATION APPARATUS, METHOD FOR SETTING PARAMETERS, COMPUTER READABLE MEDIUM AND PROGRAM
(73) CANON KABUSHIKI KAISHA
(72) Fujii, Kenichi
(74) J.M.H. Duyver lic.
(31) 2006292710
(32) 27.10.2006
(33) Japan
(47) 03.07.2019

(51) H04L 12/28
H04W 52/02
G06F 1/3209
G05D 23/19
G06F 15/17
H04W 4/80
(11) EP2641172
(21) EP11840968.9

(22) 18.11.2011
(54) METHODS AND SYSTEMS FOR DATA INTERCHANGE BETWEEN A NETWORK-CONNECTED THERMOSTAT AND CLOUD-BASED MANAGEMENT SERVER
(73) Google LLC
(72) MUCIGNAT, Andrea
SUPRAMANIAM, Senthilvasan
HARDISON, Osborne, B.
SCHULTZ, Richard, J., III
STEELE, Oliver W.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 415771 P
201061429093 P
201113275307
(32) 19.11.2010
31.12.2010
17.10.2011
(33) United States of America
United States of America
United States of America
(47) 14.08.2019

(51) H04L 12/869
H04L 12/863
G06F 9/00
H04L 29/08
H04J 3/06
H04L 12/823
(11) EP3369224
(21) EP16788904.7
(22) 19.10.2016
(54) SYSTEMS AND METHODS FOR DISTRIBUTED PACKET SCHEDULING
(73) Citrix Systems, Inc.
(72) TESTICIOGLU, Mustafa Kutluk
KEITH, Seth
(74) ir. J.D. de Zeeuw
(31) 201514927867
(32) 30.10.2015
(33) United States of America
(47) 31.07.2019

(51) H04L 25/02
H04L 27/26
(11) EP2400704
(21) EP11170511.7
(22) 20.06.2011
(54) Receiving apparatus, receiving method, and receiving system with channel estimation
(73) Saturn Licensing LLC
(72) Yokokawa, Takashi
Sakai, Hitoshi
Matthew, Taylor
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2010145804
(32) 28.06.2010
(33) Japan
(47) 31.07.2019

(51) H04L 27/26
H04L 5/00
(11) EP3253017
(21) EP17180419.8
(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
(74) ir. J.C. Volmer c.s.
(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
(47) 07.08.2019

(51) H04L 29/02
H04B 1/69
H04L 27/26
H04W 56/00
H04J 11/00
H04J 13/16
(11) EP2179556
(21) EP08766564.2
(22) 24.06.2008
(54) METHOD FOR GENERATING DOWNLINK FRAME, AND METHOD FOR SEARCHING CELL
(73) Electronics and Telecommunications Research Institute
Samsung Electronics Co., Ltd.
(72) KIM, Il Gyu
KO, Young Jo
PARK, Hyeong Geun
CHANG, Kap Seok
YI, Hyo Seok
KIM, Young-Hoon
BANG, Seung Chan
LEE, Kyoung Joon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20070072454
20080056236
(32) 19.07.2007
16.06.2008
(33) Korea (Republic)
Korea (Republic)
(47) 05.06.2019

(51) H04L 29/06
(11) EP3035639
(21) EP15201439.5
(22) 18.12.2015
(54) METHOD OF UNAUTHORIZED PORT-SCAN DETECTION IN A COMPUTER NETWORK, ASSOCIATED COMPUTER PROGRAM AND DEVICE
(73) THALES
(72) NOGUES, Damien
(74) ir. A.R. Aalbers
(31) 1402917
(32) 18.12.2014
(33) France
(47) 19.06.2019

(51) H04L 29/08
G10L 15/22
(11) EP3360310
(21) EP17768899.1
(22) 31.08.2017
(54) SELECTIVE SENSOR POLLING
(73) Google LLC
(72) BHAYA, Gaurav
STETS, Robert
(74) dr. A. Krebs
(31) 201615395715
(32) 30.12.2016
(33) United States of America
(47) 21.08.2019

(51) H04L 29/08
H04W 12/06
G01C 21/34
G08G 1/0968
(11) EP3332536
(21) EP16747500.3
(22) 02.08.2016
(54) METHOD AND APPARATUS FOR SYNCING AN EMBEDDED SYSTEM WITH PLURALITY OF DEVICES
(73) HERE Global B.V.
(72) TUUKKANEN, Marko Tapio
MEISTER, Joachim
KLAUS, Jens
HINRICHS, Henrik
(74) dr. W.A.H.M. Van Borm
(31) 201562200495 P
(32) 03.08.2015
(33) United States of America
(47) 24.07.2019

(51) H04L 29/12
G06F 9/455
H04L 12/721
(11) EP2982097
(21) EP14719871.7
(22) 03.04.2014
(54) METHOD AND APPARATUS FOR EXCHANGING IP PACKETS AMONG NETWORK LAYER 2 PEERS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) KRISHNAN, Suresh
LEFEBVRE, Geoffrey
(74) ir. J.M.G. Dohmen c.s.
(31) 201313856971
(32) 04.04.2013
(33) United States of America
(47) 12.06.2019

(51) H04M 1/215
H04M 1/24
H04M 1/725
(11) EP3240267
(21) EP17174539.1
(22) 02.04.2013

(54) SYSTEM, METHOD, AND APPARATUS FOR PERFORMING FAULT DIAGNOSIS FOR AN ELECTRONIC APPLIANCE
(73) Samsung Electronics Co., Ltd.
(72) Park, Kyong-Ha
Hong, Hyun-Su
Shim, Seung-Seop
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120035047
(32) 04.04.2012
(33) Korea (Republic)
(47) 03.07.2019

(51) H04M 1/60
H04M 1/725
(11) EP2262209
(21) EP10163391.5
(22) 20.05.2010
(54) Apparatus and method for outputting audio signal in portable terminal
(73) Samsung Electronics Co., Ltd.
(72) Chang, Ju-Hee
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20090050972
(32) 09.06.2009
(33) Korea (Republic)
(47) 03.07.2019

(51) H04M 1/725
G06F 3/16
G06F 3/0481
G06F 3/0484
(11) EP2996317
(21) EP15184430.5
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20140120993
(32) 12.09.2014
(33) Korea (Republic)
(47) 07.08.2019

(51) H04M 7/00
H04N 5/445
H04L 29/06
A63F 13/00
H04L 12/58
H04N 21/422
H04N 21/443
H04N 21/454
H04N 21/478
H04M 7/12
H04N 21/4788
H04N 21/485
H04N 21/488
H04N 21/61
H04N 21/84
H04L 29/08
(11) EP3229452
(21) EP16207628.5
(22) 30.03.2011
(54) GAMES CONSOLE AND METHOD OF OPERATING A GAMES CONSOLE
(73) Rovi Technologies Corporation
(72) DINKA, David
GIER, Gisela
(74) ir. W.J.J.M. Kempes
(31) 201005458
(32) 31.03.2010
(33) United Kingdom
(47) 17.07.2019

(51) H04N 1/60
(11) EP3314882
(21) EP16732486.2
(22) 08.06.2016
(54) HUE CHANGING COLOR GAMUT MAPPING
(73) InterDigital CE Patent Holdings
(72) THEBAULT, Cedric
STAUDER, Jurgen
ORHAND, Anita
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 15305996
(32) 25.06.2015
(33) European Patent Office (EPO)
(47) 31.07.2019

(51) H04N 5/225
(11) EP2884736
(21) EP14196265.4
(22) 04.12.2014
(54) Camera with heating element
(73) MEKRA LANG GmbH & Co. KG
(72) Lang, Werner
Geissendörfer, Peter
Kunz, Manuel
Witzke, Michael
Centmayer, Stefan
Hornung, Michael
(74) ir. C.M. Jansen c.s.
(31) 102013020894
(32) 11.12.2013
(33) Germany
(47) 03.07.2019

(51) H04N 5/225
H04N 5/232
G03B 5/00
G03B 17/02
H04M 1/02
(11) EP2933997
(21) EP15162934.2
(22) 09.04.2015
(54) ELECTRONIC DEVICE WITH ZOOM LENS
(73) Samsung Electronics Co., Ltd
(72) Choi, Jongmin
(74) ir. P.J. Hylarides c.s.
(31) 20140046672
(32) 18.04.2014
(33) Korea (Republic)
(47) 10.07.2019

(51) H04N 5/765
(11) EP1969839
(21) EP06838833.9
(22) 07.12.2006
(54) AN INTERACTIVE MEDIA GUIDANCE SYSTEM HAVING MULTIPLE DEVICES
(73) Rovi Guides, Inc.
(72) WALKER, Todd A.
ARMALY, Samir B.
KNEE, Robert A.
(74) ir. W.J.J.M. Kempes
(31) 324187
323828
324158
323485
324206
(32) 29.12.2005
29.12.2005
29.12.2005
29.12.2005
29.12.2005
(33) United States of America
United States of America
United States of America
United States of America
United States of America
(47) 24.07.2019

(51) H04N 7/16
H04N 5/445
H04N 21/458
H04N 21/482
(11) EP3169062
(21) EP16186676.9
(22) 08.12.2006
(54) SYSTEMS AND METHODS FOR EPISODE TRACKING IN AN INTERACTIVE MEDIA ENVIRONMENT
(73) Rovi Guides, Inc.
(72) Cordray, Charles
Walker, Todd A.
Armaly, Samir B.
(74) ir. W.J.J.M. Kempes
(31) 324156
323464
(32) 29.12.2005
29.12.2005
(33) United States of America
United States of America
(47) 14.08.2019

(51) H04N 19/105
(11) EP3324623
(21) EP17204555.1
(22) 16.04.2003
(54) MOTION VECTOR CALCULATING METHOD
(73) Panasonic Intellectual Property Corporation of America
(72) KONDO, Satoshi
KADONO, Shinya
HAGAI, Makoto
ABE, Kiyofumi
(74) ir. W.J.J.M. Kempes
(31) 2002118598
2002121053
378643 P
378954 P
2002156266
2002177889
2002193027
2002204713
2002262151
2002290542
2002323096
(32) 19.04.2002
23.04.2002
09.05.2002
10.05.2002

29.05.2002
19.06.2002
02.07.2002
12.07.2002
06.09.2002
02.10.2002
06.11.2002
(33) Japan
Japan
United States of America
United States of America
Japan
Japan
Japan
Japan
Japan
Japan
Japan
(47) 12.06.2019

(51) H04N 19/105
(11) EP3324626
(21) EP17204573.4
(22) 16.04.2003
(54) MOTION VECTOR CALCULATING METHOD
(73) Panasonic Intellectual Property Corporation of America
(72) KONDO, Satoshi
KADONO, Shinya
HAGAI, Makoto
ABE, Kiyofumi
(74) ir. W.J.J.M. Kempes
(31) 2002118598
2002121053
378643 P
378954 P
2002156266
2002177889
2002193027
2002204713
2002262151
2002290542
2002323096
(32) 19.04.2002
23.04.2002
09.05.2002
10.05.2002
29.05.2002
19.06.2002
02.07.2002
12.07.2002
06.09.2002
02.10.2002
06.11.2002
(33) Japan
Japan
United States of America
United States of America
Japan
Japan
Japan
Japan
Japan
Japan
Japan
(47) 12.06.2019

(51) H04N 19/105
H04N 19/52
H04N 19/176
H04N 19/70
H04N 19/172
H04N 19/46
H04N 19/51
H04N 19/61
H04N 19/103
H04N 19/107
H04N 19/109
H04N 19/127
H04N 19/136
H04N 19/137
H04N 19/16
H04N 19/423
H04N 19/573
H04N 19/58
H04N 19/577
(11) EP3054680
(21) EP16157926.3
(22) 16.04.2003
(54) MOTION VECTOR CALCULATING METHOD
(73) Panasonic Intellectual Property Corporation of America
(72) KONDO, Satoshi
KADONO, Shinya
HAGAI, Makoto
ABE, Kiyofumi
(74) ir. W.J.J.M. Kempes
(31) 2002118598
2002121053
378643 P
378954 P
2002156266
2002177889
2002193027
2002204713
2002262151
2002290542
2002323096
(32) 19.04.2002
23.04.2002
09.05.2002
10.05.2002
29.05.2002
19.06.2002
02.07.2002
12.07.2002
06.09.2002
02.10.2002
06.11.2002
(33) Japan
Japan
United States of America
United States of America
Japan
Japan
Japan
Japan
Japan
Japan
Japan
(47) 05.06.2019

(51) H04N 19/117
H04N 19/70
H04N 19/176
H04N 19/13
H04N 19/91
H04N 19/174
H04N 19/186
(11) EP3297283
(21) EP17199792.7
(22) 11.06.2013
(54) ENCODING AND DECODING VIDEOS SHARING SAO PARAMETERS ACCORDING TO A COLOR COMPONENT
(73) Samsung Electronics Co., Ltd.
(72) ALSHINA, Elena
ALSHIN, Alexander
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261657967 P
(32) 11.06.2012
(33) United States of America
(47) 04.09.2019

(51) H04N 19/117
H04N 19/70
H04N 19/176
H04N 19/13
H04N 19/91
H04N 19/174
H04N 19/186
(11) EP3300364
(21) EP17199794.3
(22) 11.06.2013
(54) ENCODING AND DECODING VIDEOS SHARING SAO PARAMETERS ACCORDING TO A COLOR COMPONENT
(73) Samsung Electronics Co., Ltd.
(72) ALSHINA, Elena
ALSHIN, Alexander
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261657967 P
(32) 11.06.2012
(33) United States of America
(47) 04.09.2019

(51) H04N 19/117
H04N 19/70
H04N 19/176
H04N 19/13
H04N 19/91
H04N 19/174
H04N 19/186
(11) EP3300365
(21) EP17199795.0
(22) 11.06.2013
(54) ENCODING AND DECODING VIDEOS SHARING SAO PARAMETERS ACCORDING TO A COLOR COMPONENT
(73) Samsung Electronics Co., Ltd.
(72) ALSHINA, Elena
ALSHIN, Alexander
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261657967 P
(32) 11.06.2012
(33) United States of America
(47) 04.09.2019

(51) H04N 19/176
H04N 19/70
H04N 19/147
H04N 19/196
H04N 19/96
H04N 19/11
H04N 19/463

H04N 19/136
(11) EP3288268
(21) EP17192048.1
(22) 29.06.2010
(54) METHODS AND APPARATUS FOR SIGNALING INTRA PREDICTION FOR LARGE BLOCKS FOR VIDEO ENCODERS AND DECODERS
(73) InterDigital VC Holdings, Inc.
(72) ZHENG, Yunfei
XU, Qian
LU, Xiaoan
YIN, Peng
SOLE ROJALS, Joel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 222177 P
(32) 01.07.2009
(33) United States of America
(47) 31.07.2019

(51) H04N 19/463
H04N 19/51
H04N 19/105
(11) EP2770736
(21) EP11874283.2
(22) 17.10.2011
(54) ENCODING METHOD AND DECODING METHOD
(73) Kabushiki Kaisha Toshiba
(72) TANIZAWA, Akiyuki
CHUJOH, Takeshi
(74) ir. C.M. Jansen c.s.
(47) 19.06.2019

(51) H04N 19/597
H04N 19/105
H04N 19/176
H04N 19/46
H04N 19/61
(11) EP2156671
(21) EP08741494.2
(22) 22.04.2008
(54) METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE BY PARTITIONING IMAGE
(73) Samsung Electronics Co., Ltd.
(72) SONG, Hak-Sup
SHIM, Woo-Sung
MOON, Young-Ho
CHOI, Jong-Bum
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20070060101
(32) 19.06.2007
(33) Korea (Republic)
(47) 10.07.2019

(51) H04N 21/462
H04H 20/18
H04N 21/44
H04N 21/43
H04N 21/61
(11) EP2866458
(21) EP13807805.0
(22) 05.06.2013
(54) RECEPTION DEVICE, AND SYNCHRONOUS PROCESSING METHOD THEREFOR
(73) Saturn Licensing LLC
(72) KITAZATO, Naohisa
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2012141034
(32) 22.06.2012
(33) Japan
(47) 31.07.2019

(51) H04N 21/845
H04N 21/438
H04N 21/2343
H04N 19/70
H04N 19/30
(11) EP2982129
(21) EP14720460.6
(22) 04.04.2014
(54) IRAP ACCESS UNITS AND BITSTREAM SWITCHING AND SPLICING
(73) Qualcomm Incorporated
(72) RAMASUBRAMONIAN, Adarsh Krishnan
WANG, Ye-kui
RAPAKA, Krishnakanth
CHEN, Ying
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361809063 P
201361812225 P
201414244743
(32) 05.04.2013
15.04.2013
03.04.2014
(33) United States of America
United States of America
United States of America
(47) 03.07.2019

(51) H04Q 11/04
(11) EP2123104
(21) EP08706780.7
(22) 22.01.2008
(54) METHOD AND BROADBAND ACCESS SYSTEM FOR REMOTE-CONTROLLING A VOICE INTERFACE OF AN ACCESS NODE
(73) Deutsche Telekom AG
(72) HAAG, Thomas
(74) J.M.H. Duyver lic.
(31) 102007008463
(32) 19.02.2007
(33) Germany
(47) 05.06.2019

(51) H04R 1/02
(11) EP3272132
(21) EP16707365.9
(22) 23.02.2016
(54) MAGNETIC SHIELDING AND COMMUNICATION COIL
(73) Microsoft Technology Licensing, LLC
(72) SLOTTE, Benedict
(74) ir. P.J. Hylarides c.s.
(31) 201514659145
(32) 16.03.2015
(33) United States of America
(47) 26.06.2019

(51) H04R 25/00
(11) EP3016408
(21) EP15191872.9
(22) 28.10.2015
(54) COMPRESSOR ARCHITECTURE FOR AVOIDANCE OF CROSS-MODULATION IN REMOTE MICROPHONES
(73) Starkey Laboratories, Inc.
(72) Galster, Jason Alan
(74) dr. W.A.H.M. Van Borm
(31) 201414525772
(32) 28.10.2014
(33) United States of America
(47) 07.08.2019

(51) H04S 7/00
(11) EP2552130
(21) EP11305977.8
(22) 27.07.2011
(54) Method for sound signal processing, and computer program for implementing the method
(73) AURO TECHNOLOGIES NV
(72) Bernard, Benjamin
Becker, François
(74) ir. J.P.E. Brants
(47) 03.07.2019

(51) H04S 7/00
(11) EP2661907
(21) EP12731992.9
(22) 03.01.2012
(54) IMMERSIVE AUDIO RENDERING SYSTEM
(73) DTS, Inc.
DTS LLC
(72) KRAEMER, Alan, D.
TRACEY, James
KATSIANOS, Themis
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161429600 P
(32) 04.01.2011
(33) United States of America
(47) 03.07.2019

(51) H04W 4/029
H04W 4/02
H04L 29/08
H04L 29/06
H04W 4/20
(11) EP2664121
(21) EP12702338.0
(22) 09.01.2012
(54) AREA TRACKING SYSTEMS AND METHODS OF TRACKING ELECTRONIC DEVICES
(73) Alcatel Lucent
(72) WENGROVITZ, Michael
JANISZEWSKI, Tom
ZHOU, Qiru
(74) ir. W.J.J.M. Kempes
(31) 201113006840
(32) 14.01.2011
(33) United States of America
(47) 05.06.2019

(51) H04W 4/08
H04W 28/02
H04W 52/02
H04W 72/04
H04W 72/10
H04W 72/12
H04W 88/02
H04W 92/18
H04L 12/64
(11) EP2514223
(21) EP10842399.7
(22) 28.10.2010
(54) DEVICE, SYSTEM AND METHOD OF SIMULTANEOUSLY COMMUNICATING WITH A GROUP OF WIRELESS COMMUNICATION UNITS
(73) Intel Corporation

(72) GONG, Michelle, X.
STACEY, Robert, J.
(74) ir. W.J.J.M. Kempes
(31) 639061
(32) 16.12.2009
(33) United States of America
(47) 26.06.2019

(51) H04W 4/80
H04B 17/318
H04W 64/00
(11) EP3128792
(21) EP14892112.5
(22) 13.05.2014
(54) POSITIONING METHOD AND COMMUNICATION DEVICE
(73) Huawei Technologies Co. Ltd.
(72) CHEN, Daiting
(74) ir. W.J.J.M. Kempes
(47) 19.06.2019

(51) H04W 8/24
(11) EP1997344
(21) EP07758956.2
(22) 20.03.2007
(54) EXTENDED CAPABILITY TRANSFER BETWEEN A USER EQUIPMENT AND A WIRELESS NETWORK
(73) QUALCOMM Incorporated
(72) EDGE, Stephen W.
FISCHER, Sven
JIANG, Yongjin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 784587 P
688775
(32) 20.03.2006
20.03.2007
(33) United States of America
United States of America
(47) 10.07.2019

(51) H04W 12/04
H04L 9/06
H04L 9/14
H04L 29/06
H04L 9/32
G06F 21/12
(11) EP2286610
(21) EP09763085.9
(22) 21.04.2009
(54) TECHNIQUES FOR PEFORMING SYMMETRIC CRYPTOGRAPHY
(73) Microsoft Technology Licensing, LLC
(72) ASIPOV, Boris
(74) ir. P.J. Hylarides c.s.
(31) 136772
(32) 11.06.2008
(33) United States of America
(47) 26.06.2019

(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
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20140004069
20140055885
(32) 13.01.2014
09.05.2014
(33) Korea (Republic)
Korea (Republic)
(47) 07.08.2019

(51) H04W 12/08
H04B 7/26
G06F 21/10
H04L 29/06
(11) EP2260654
(21) EP09754964.6
(22) 06.04.2009
(54) METHOD AND APPARATUS FOR MANAGING TOKENS FOR DIGITAL RIGHTS MANAGEMENT
(73) Samsung Electronics Co., Ltd.
(72) LEE, Byung-Rae
HWANG, Sung-Oh
SELEZNEV, Sergey Nikolayevich
LEE, Kook-Heui
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20080031896
20090007651
(32) 04.04.2008
30.01.2009
(33) Korea (Republic)
Korea (Republic)
(47) 12.06.2019

(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
(22) 24.06.2014
(54) COMMUNICATION CONTROL APPARATUS, COMMUNICATION CONTROL METHOD AND RADIO COMMUNICATION SYSTEM
(73) Sony Corporation
(72) TSUDA, Shinichiro
TAKANO, Hiroaki
(74) ir. W.J.J.M. Kempes
(31) 2013167755
2014075987
(32) 12.08.2013
02.04.2014
(33) Japan
Japan
(47) 07.08.2019

(51) H04W 24/00
H04W 56/00
H04W 72/04
(11) EP3151605
(21) EP15799858.4
(22) 27.05.2015
(54) ELECTRONIC DEVICE AND METHOD FOR SYNCHRONOUS DETECTION BETWEEN TIME DIVISION DUPLEX WIRELESS COMMUNICATION CELLS
(73) Sony Corporation
(72) BAI, Wei
(74) ir. W.J.J.M. Kempes
(31) 201410234233
(32) 29.05.2014
(33) China
(47) 14.08.2019

(51) H04W 28/18
(11) EP2106077
(21) EP09165436.8
(22) 11.05.2001
(54) Method and apparatus for wireless communication
(73) Qualcomm Incorporated
(72) Esteves, Eduardo A.S.
Attar, Rashid A.
Sindhushayana, Nagabhushana T.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 570210
(32) 12.05.2000
(33) United States of America
(47) 19.06.2019

(51) H04W 28/26
H04W 92/18
(11) EP3226609
(21) EP17163857.0
(22) 30.03.2017
(54) METHOD FOR SCHEDULING VEHICLE-TO-VEHICLE COMMUNICATIONS
(73) Telefonaktiebolaget LM Ericsson (Publ)
(72) BLASCO SERRANO, Ricardo
SORRENTINO, Stefano
DO, Hieu
(74) ir. J.M.G. Dohmen c.s.
(31) 201662316876 P
(32) 01.04.2016
(33) United States of America
(47) 31.07.2019

(51) H04W 36/00
H04W 24/10
(11) EP3160181
(21) EP15811249.0
(22) 05.06.2015
(54) ELECTRONIC APPARATUS IN WIRELESS COMMUNICATIONS SYSTEM, AND MOBILITY MEASUREMENT METHOD
(73) Sony Corporation
(72) QIN, Zhongbin
(74) ir. W.J.J.M. Kempes
(31) 201410283433
(32) 23.06.2014
(33) China
(47) 07.08.2019

(51) H04W 36/18
H04W 52/02
H04W 52/40
H04W 56/00
H04W 88/02
(11) EP2538723
(21) EP12006352.4
(22) 13.08.2002

(54) Method and apparatus for wireless network connectivity
(73) Qualcomm Incorporated
(72) Laroia, Rajiv
Li, Junyi
Corson, Scott, M.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 312126 P
(32) 14.08.2001
(33) United States of America
(47) 03.07.2019

(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
(22) 20.06.2013
(54) A METHOD OF MEASURING INTEGRITY OF WIRELESS SIGNALLING SYSTEMS
(73) Texecom Limited
(72) ALEXANDER, Peter
DAY, Richard
(74) ir. H.J.G. Lips c.s.
(31) 201210920
(32) 20.06.2012
(33) United Kingdom
(47) 07.08.2019

(51) H04W 48/12
H04W 74/00
H04W 74/08
H04W 4/70
(11) EP2839710
(21) EP13727364.5
(22) 16.04.2013
(54) METHOD AND COMMUNICATION DEVICE FOR CONTROLLING ACCESS TO A WIRELESS ACCESS NETWORK
(73) Guangdong OPPO Mobile Telecommunications Corp., Ltd.
(72) JANG, Ke-Chi
CHERIAN, Airin
(74) dr. A. Krebs
(31) 201261625157 P
201213558665
(32) 17.04.2012
26.07.2012
(33) United States of America
United States of America
(47) 14.08.2019

(51) H04W 48/16
H04W 48/18
H04W 8/18
H04W 60/04
H04W 76/10
(11) EP3169109
(21) EP16785767.1
(22) 22.03.2016
(54) NETWORK ACCESS METHOD AND MOBILE COMMUNICATION TERMINAL
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) LIU, Hai
(74) drs. C.M.A. Quintelier
(31) 201510217896
(32) 30.04.2015
(33) China
(47) 21.08.2019

(51) H04W 52/02
H04W 72/12
(11) EP2127419
(21) EP08709775.4
(22) 06.02.2008
(54) METHOD AND APPARATUS FOR PROVIDING EFFICIENT DISCONTINUOUS COMMUNICATION
(73) Nokia Technologies Oy
(72) KOLDING, Troels
DALSGAARD, Lars
FREDERIKSEN, Frank
KOSKELA, Jarkko, J.
RINNE, Mika, P.
(74) ir. W.J.J.M. Kempes
(31) 888514 P
27061
(32) 06.02.2007
06.02.2008
(33) United States of America
United States of America
(47) 03.07.2019

(51) H04W 52/34
(11) EP2102998
(21) EP07864502.5
(22) 16.11.2007
(54) MONITORING AND CONTROL OF TRANSMIT POWER IN A MULTI-MODEM WIRELESS COMMUNICATION DEVICE
(73) Google Technology Holdings LLC
(72) BURGAN, John M.
KORNELUK, Jose E.
RUDOWICZ, Michael J.
(74) ir. H.J.G. Lips c.s.
(31) 867853 P
686426
(32) 30.11.2006
15.03.2007
(33) United States of America
United States of America
(47) 31.07.2019

(51) H04W 52/40
H04W 72/12
H04W 52/14
H04W 52/24
(11) EP2532185
(21) EP11737326.6
(22) 01.02.2011
(54) APPARATUS AND METHOD FOR ALLOCATING CHANNEL AND POWER IN COMMUNICATION SYSTEM
(73) Samsung Electronics Co., Ltd.
(72) KWON, Ho-Joong
YOON, Soon-Young
MOON, June
PARK, Sung-Woo
KANG, Seung-Won
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20100009208
20110001574
(32) 01.02.2010
06.01.2011
(33) Korea (Republic)
Korea (Republic)
(47) 12.06.2019

(51) H04W 60/00
H04W 8/00
(11) EP3424248
(21) EP17729448.5
(22) 07.06.2017
(54) ALLOCATION OF ALLOWED REGISTERED AREA
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) RAMLE, Peter
KARLSSON, Josefin
OLSSON, Lasse
(74) ir. J.M.G. Dohmen c.s.
(31) 201662352271 P
(32) 20.06.2016
(33) United States of America
(47) 07.08.2019

(51) H04W 64/00
G01S 5/00
(11) EP2489226
(21) EP10779083.4
(22) 12.10.2010
(54) METHOD AND APPARATUS FOR TRANSMITTING INDOOR CONTEXT INFORMATION
(73) Qualcomm Incorporated
(72) GUPTA, Rajarshi
WACHTER, Andreas, K.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 250867 P
251033 P
901230
(32) 12.10.2009
13.10.2009
08.10.2010
(33) United States of America
United States of America
United States of America
(47) 03.07.2019

(51) H04W 72/04
(11) EP2640143
(21) EP12360016.5
(22) 16.03.2012
(54) Resource allocation for a mobile station based on application traffic profile
(73) Alcatel Lucent
(72) Worrall, Chandrika K.
Palat, Sudeep K.
(74) ir. W.J.J.M. Kempes
(47) 10.07.2019

(51) H04W 72/04
H04W 4/00
H04L 1/18
H04L 5/00
H04W 24/10
H04W 28/18
H04W 76/00
(11) EP3065481
(21) EP13896496.0
(22) 01.11.2013
(54) VOIP DATA TRANSMISSION METHOD AND BASE STATION
(73) Yulong Computer Telecommunication Scientific (Shenzhen) Co. Ltd.
(72) ZHANG, Chenlu
DONG, Xiandong
(74) ir. M.F.J.M. Ketelaars c.s.

(47) 03.07.2019

(51) H04W 72/04
H04W 4/06
(11) EP2179621
(21) EP08724271.5
(22) 25.03.2008
(54) NUMBERING OF RADIO FREQUENCY CHANNELS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) QUESETH, Olav
KAZMI, Muhammad
SKÖLD, Johan
(74) ir. J.M.G. Dohmen c.s.
(31) 0701890
(32) 17.08.2007
(33) Sweden
(47) 07.08.2019

(51) H04W 72/04
H04W 88/06
H04W 88/10
(11) EP2698018
(21) EP11788924.6
(22) 14.10.2011
(54) METHOD AND DEVICE FOR DETERMINING A NUMBER OF MIMO LAYERS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) GERSTENBERGER, Dirk
SUNELL, Kai-Erik
WIEMANN, Henning
LARSSON, Daniel
(74) ir. J.M.G. Dohmen c.s.
(31) 201161474938 P
(32) 13.04.2011
(33) United States of America
(47) 10.07.2019

(51) H04W 72/12
H04L 5/00
H04L 5/18
H04W 74/04
H04B 7/04
H04L 12/911
H04L 12/927
H04B 7/26
H04L 1/18
H04W 74/08
H04W 28/24
H04W 52/50
H04W 52/14
H04L 1/16
(11) EP3220706
(21) EP17170673.2
(22) 27.08.2014
(54) METHODS AND APPARATUS FOR MULTIPLE USER UPLINK
(73) Qualcomm Incorporated
(72) MERLIN, Simone
BARRIAC, Gwendolyn D.
SAMPATH, Hemanth
VERMANI, Sameer
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361871269 P
201414469111
(32) 28.08.2013
26.08.2014
(33) United States of America
United States of America
(47) 03.07.2019

(51) H04W 74/00
H04W 88/06
H04W 84/04
(11) EP3294031
(21) EP17198440.4
(22) 04.08.2015
(54) A WIRELESS DEVICE, A FIRST NETWORK NODE AND METHODS THEREIN
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) RAHMAN, Imadur
KAZMI, Muhammad
AXMON, Joakim
(74) mr.ir. F.N. Ferro
(31) 201462035534 P
(32) 11.08.2014
(33) United States of America
(47) 17.07.2019

(51) H04W 74/08
H04W 16/14
(11) EP3216302
(21) EP15807713.1
(22) 03.11.2015
(54) NETWORK NODE, WIRELESS DEVICE AND METHODS THEREIN, FOR SCHEDULING ONE OR MORE BEARERS WITH DIFFERENT QOS REQUIREMENTS AND APPLYING A LISTEN-BEFORE-TALK SETTING, RESPECTIVELY
(73) Guangdong OPPO Mobile Telecommunications Corp., Ltd.
(72) MUKHERJEE, Amitav
CHENG, Jung-Fu
KOORAPATY, Havish
LARSSON, Daniel
FALAHATI, Sorour
YANG, Yu
(74) dr. A. Krebs
(31) 201462076677 P
(32) 07.11.2014
(33) United States of America
(47) 21.08.2019

(51) H04W 80/00
H04W 8/22
H04L 29/06
H04L 29/12
H04W 80/04
(11) EP2564657
(21) EP11778079.1
(22) 29.04.2011
(54) COMMUNICATION PROTOCOL PREFERENCES
(73) T-Mobile USA, Inc.
(72) SHAH, Mehul, Jayant
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 770632
(32) 29.04.2010
(33) United States of America
(47) 03.07.2019

(51) H04W 88/02
H04W 4/12
H04W 4/00
H04M 1/725
H04L 29/08
(11) EP3389335
(21) EP17741593.2
(22) 05.01.2017
(54) TERMINAL DEVICE, REMOTE CONTROL SYSTEM AND CONTROL METHOD
(73) Samsung Electronics Co., Ltd.
(72) HAN, Jun-kyu
PARK, Sung-jae
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20160008212
20160125584
(32) 22.01.2016
29.09.2016
(33) Korea (Republic)
Korea (Republic)
(47) 03.07.2019

(51) H05B 3/20
B41J 3/407
B41J 11/00
B41J 11/06
(11) EP3399837
(21) EP18166168.7
(22) 06.04.2018
(54) LIQUID DISCHARGE APPARATUS
(73) Ricoh Company, Ltd.
(72) YANASE, Norikazu
KEMMA, Tsuguyori
CHUBACHI, Kohei
(74) ir. C.M. Jansen c.s.
(31) 2017091057
2017129313
(32) 01.05.2017
30.06.2017
(33) Japan
Japan
(47) 17.07.2019

(51) H05B 3/44
A24F 47/00
A61M 15/06
A61M 11/04
A61M 16/00
(11) EP3081102
(21) EP15163660.2
(22) 15.04.2015
(54) ELECTRONIC SMOKING DEVICE
(73) Fontem Holdings 1 B.V.
(72) Borkovec, Vaclav
Biel, Stefan
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 05.06.2019

(51) H05B 33/08
H05B 37/02
(11) EP3217765
(21) EP16205643.6
(22) 21.12.2016
(54) SIMPLIFIED COMMISSIONING CONCEPT FOR CONTROLLING ACTUATORS OF AN INSTALLATION IN A BUILDING
(73) Insta GmbH
(72) Grosch, Volker
Melnik, Andrew
Donat, Matthias
Marquardt, Henning
(74) ir. H.J.G. Lips c.s.
(31) 102016104347
(32) 10.03.2016
(33) Germany
(47) 26.06.2019

(51) H05B 41/36

H05B 41/292
H05B 41/288
(11) EP2544513
(21) EP10796642.6
(22) 19.03.2010
(54) METHOD FOR CONTROLLING THE OUTPUT POWER OF A GAS DISCHARGE LAMP AND AN ELECTRONIC BALLAST
(73) Zhang, Botao
(72) HU, Jun
(74) J.M.H. Duyver lic.
(31) 200910040971
(32) 09.07.2009
(33) China
(47) 19.06.2019

(51) H05K 5/00
H05K 5/02
B32B 27/36
H04M 1/02
B32B 27/08
B32B 27/30
B32B 1/00
(11) EP3337305
(21) EP16835275.5
(22) 26.05.2016
(54) METHOD FOR MANUFACTURING EXTERIOR HOUSING AND ELECTRONIC DEVICE COMPRISING SAME
(73) Samsung Electronics Co., Ltd.
(72) KIM, Young-Gyun
KIM, Minjung
OH, Jeeyoung
LEE, Gyoosug
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20150113076
(32) 11.08.2015
(33) Korea (Republic)
(47) 03.07.2019

(51) H05K 7/14
H05K 7/20
H01F 27/08
H05K 1/02
H05K 3/32
(11) EP2876984
(21) EP14194179.9
(22) 20.11.2014
(54) Power conversion device and method for assembling the same
(73) Delta Electronics (Shanghai) Co., Ltd.
(72) You, Pei-Ai
Lu, Xing-Xian
Liu, Gang
Zhang, Jin-Fa
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201310612824
(32) 26.11.2013
(33) China
(47) 31.07.2019

(51) H05K 13/00
(11) EP2966952
(21) EP13877234.8
(22) 05.03.2013
(54) BACKUP PIN AND AUTOMATED BACKUP-PIN SWAP SYSTEM
(73) FUJI Corporation
(72) KAWAI, Hidetoshi
MIZUNO, Takayuki
ITO, Hidetoshi
TANAKA, Keita
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 19.06.2019

EP4

Voor Nederland verleende gewijzigde Europese octrooien.
Contains data concerning European patents granted in amended form (B2 or B3 publications).

(51) A61B 17/12
A61B 17/00
(11) EP2856949
(21) EP14196658.0
(22) 31.03.2005
(54) Flanged occlusion devices
(73) Aga Medical Corporation
(72) Gu, Xiaoping
Amplatz, Kurt
Thill, Gary A
Russo, Pat
Santer, Jana
(31) 560825 P
(32) 08.04.2004
(33) United States of America
(47) 07.10.2015

(51) C12N 15/82
(11) EP2513314
(21) EP10842614.9
(22) 16.12.2010
(54) COMBINED USE OF CRY1CA AND CRY1AB PROTEINS FOR INSECT RESISTANCE MANAGEMENT
(73) Dow AgroSciences LLC
(72) MEADE, Thomas
NARVA, Kenneth
STORER, Nicholas, P.
SHEETS, Joel, J.
WOOSLEY, Aaron, T.
BURTON, Stephanie, L.
(31) 284292 P
(32) 16.12.2009
(33) United States of America
(47) 21.09.2016

(51) F16L 47/28
F16L 41/14
(11) EP2100070
(21) EP07860866.8
(22) 05.12.2007
(54) CONNECTION ASSEMBLY FOR THE CONNECTING OF A CYLINDRICAL BRANCH OF A PLASTIC PIPE, AND METHOD FOR THE ATTACHING OF A CYLINDRICAL BRANCH TO A PLASTIC PIPE
(73) Wavin B.V.
(72) ROELFSEMA, Marcel
REKERS, Gerrit
(31) 1033005
(32) 06.12.2006
(33) Netherlands
(47) 18.05.2011

(51) H02J 3/38
F03D 7/02
F03D 9/00
(11) EP2680390
(21) EP13161084.2
(22) 26.03.2013
(54) Method for current control
(73) RWE Innogy GmbH
(72) Feltes, Dr. Christian
Runge, Dr. Jörn
Koch, Dr. Friedrich
(31) 102012012401
(32) 25.06.2012
(33) Germany
(47) 13.07.2016

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) A24D 3/02
(11) EP2767177
(21) EP14153194.7
(22) 30.01.2014
(54) Method, mechanism and apparatus for momentary compression of filter material
(73) International Tobacco Machinery Poland Sp. z o.o.
(72) Lisowski, Andrzej
Mamerski, Marcin
Stanikowski, Robert
Wiecaszek, Grzegorz
(74) J.M.H. Duyver lic.
(31) 40277713
(32) 15.02.2013
(33) Poland
(47) 16.09.2015

(51) A41D 19/00
(11) EP2556109
(21) EP11714021.0
(22) 07.04.2011
(54) CUT RESISTANT ARTICLE
(73) DSM IP Assets B.V.
(72) HENSSEN, Giovanni Joseph Ida
VERDAASDONK, Peto
(74) ir. W.J.J.M. Kempes
(31) 10159248
(32) 07.04.2010
(33) European Patent Office (EPO)
(47) 20.05.2015

(51) A47L 5/36
(11) EP1434512
(21) EP02777164.1
(22) 20.09.2002
(54) Vacuum cleaner
(73) BSH Hausgeräte GmbH
(72) SEITH, Thomas
SCHWARZ, Heribert
WEIGAND, Artur
(74) ir. C.M. Jansen c.s.
(31) 10148509
(32) 01.10.2001
(33) Germany
(47) 15.04.2009

(51) A61B 18/02
(11) EP2162083
(21) EP07784124.5
(22) 24.05.2007
(54) DEVICE FOR ENHANCED REMOVAL OF HEAT FROM SUBCUTANEOUS LIPID-RICH CELLS HAVING AN ACTUATOR
(73) Zeltiq Aesthetics, Inc.
(72) LEVINSON, Mitchell, E.
ROSEN, Jesse, Nicasio
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 750953
(32) 18.05.2007
(33) United States of America
(47) 30.12.2015

(51) A61F 2/24
(11) EP2257242
(21) EP09714661.7
(22) 24.02.2009
(54) INFUNDIBULAR REDUCER DEVICES
(73) Medtronic Vascular Inc.
(72) HOUSE, Morgan
BONHOEFFER, Philipp
RAFIEE, Nasser
BUSOLD, Rany Huynh
DOUK, Nareak
MAS, Juan-pablo
MACDONALD, Stuart R.
FINNEY, Michael
(74) ir. F.A. Geurts c.s.
(31) 31266 P
(32) 25.02.2008
(33) United States of America
(47) 20.02.2013

(51) A61K 31/155
A61K 38/26
A61K 38/28
A61K 45/06
(11) EP2329848
(21) EP09175877.1
(22) 13.11.2009
(54) Lixisenatide as add-on therapy to insulin glargine and metformin for treating type 2 diabetes
(73) Sanofi-Aventis Deutschland GmbH
(72) Silvestre, Louise
Souhami, Elisabeth
Wei, Xiaodan
(74) ir. W.J.J.M. Kempes
(47) 24.10.2012

(51) A61M 1/00
A61F 13/02
A61F 13/00
(11) EP2437802
(21) EP09845644.5
(22) 08.06.2009
(54) SYSTEM FOR PROVIDING CONTINUAL DRAINAGE IN NEGATIVE PRESSURE WOUND THERAPY
(73) Smith & Nephew, Inc
(72) BRAGA, Richard, M.
VESS, Mark, A.
SWISHER, David, R.
SHAH, Chirag, B.
(74) ir. J.D. de Zeeuw
(31) 475954
(32) 01.06.2009
(33) United States of America
(47) 04.05.2016

(51) B01J 2/04
B01J 2/16
F26B 3/12
G01N 21/85
(11) EP2504090
(21) EP09764176.5
(22) 24.11.2009
(54) A METHOD OF MONITORING A SPRAY DRYER COMPRISING ONE OR MORE INFRARED CAMERAS
(73) GEA Process Engineering A/S
(72) JENSEN, Thomas, Willum
BONKE, Johnny
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 12.03.2014

(51) B41J 2/175
(11) EP2161135
(21) EP09179904.9
(22) 28.02.2008
(54) Ink cartridge determination system
(73) Brother Kogyo Kabushiki Kaisha
(72) Hattori, Shingo
Nakamura, Hirotake
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 23.11.2011

(51) B60D 1/54
(11) EP2141034
(21) EP09171110.1
(22) 26.07.2007
(54) Trailer tow-bar
(73) Bosal ACPS Holding 2 B.V.
(72) Riehle, Jörg
Gentner, Wolfgang
Still, Jürgen
(74) ir. F.A. Geurts c.s.
(31) 102006035261
(32) 29.07.2006
(33) Germany
(47) 29.02.2012

(51) C08F 2/26
C08F 14/00
C08J 3/16
C08J 9/00
(11) EP1939222
(21) EP06811856.1
(22) 16.10.2006
(54) Process for producing an AQUEOUS POLYTETRAFLUOROETHYLENE EMULSION, AND POLYTETRAFLUOROETHYLENE FINE POWDER AND POROUS MATERIAL PRODUCED FROM THE SAME
(73) AGC Inc.
(72) HIGUCHI, Shinya
KAMIYA, Hiroki
HOSHIKAWA, Jun
MATSUOKA, Yasuhiko
(74) ir. J.M.G. Dohmen c.s.

(31) 2005302340
(32) 17.10.2005
(33) Japan
(47) 29.06.2011

(51) C09D 5/00
(11) EP2785801
(21) EP12805496.2
(22) 30.11.2012
(54) METHOD OF MITIGATING ICE BUILD-UP ON A SUBSTRATE
(73) PPG Industries Ohio Inc.
(72) CONNELLY, Bruce A.
RAKIEWICZ, Edward F.
SCHWARTZMILLER, Davina J.
ZALICH, Michael A.
MORAVEK, Scott J.
VALENTA, Jane N.
ZAWACKY, Steven R.
(74) ir. F.A. Geurts c.s.
(31) 201161566077 P
201213688622
(32) 02.12.2011
29.11.2012
(33) United States of America
United States of America
(47) 03.08.2016

(51) H01M 16/00
H01M 8/04
H01M 8/06
H01M 8/0656
H01M 8/04082
(11) EP2748885
(21) EP12766601.4
(22) 23.08.2012
(54) ARRANGEMENT AND METHOD FOR SUPPLYING ENERGY TO BUILDINGS
(73) Hydrogenious Technologies GmbH
(72) WASSERSCHEID, Peter
ARLT, Wolfgang
(74) ir. J.C. Volmer c.s.
(31) 102011111565
102011121704
(32) 23.08.2011
10.12.2011
(33) Germany
Germany
(47) 30.09.2015

SPC

Ingeschreven en verleende certificaten.
Contains data concerning applications for- or granted Supplementary Protection Certificates.

(21) 300371
(22) 27.11.2008
(11) 300371
(73) Gilead Sciences Inc.
(74) ir. M.F.J.M. Ketelaars c.s.
(68) EP1109558
(54) Ranolazine bevattende formuleringen met langdurige afgifte.
(94) 13.07.2023
(95) Ranolazine of een zout of solvaat daarvan
(93) EU/1/08/462/001-006 14.07.2008
(47) 01.10.2009

---

(21) 301004
(22) 05.09.2019
(11) 301004
(74) ir. M.F.J.M. Ketelaars c.s.
(68) EP1746999
(54) 4-PHENYLAMINO-QUINAZOLIN-6-YL-AMIDES.
(94) 1826
(95) Dacomitinib, desgewenst in de vorm van een farmaceutisch aanvaardbaar zout, solvaat of hydraat ervan, in het bijzonder Dacomitinib monohydraat.
(93) EU/1/19/1354 04.04.2019

---

(21) 301005
(22) 06.09.2019
(11) 301005
(74) ir. F.A. Geurts c.s.
(68) EP2305232
(54) Synergistic combinations comprising a renin inhibitor for cardiovascular diseases
(94) 796
(95) Aliskiren of een farmaceutisch aanvaardbaar zout daarvan; en hydrochloorthiazide of een farmaceutisch aanvaardbaar zout daarvan
(93) EU/1/08/491 20.01.2009

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) 300417
(00) 09.09.2019
(00) Appeal
(00) Abraxis BioScience, LLC

(11) EP1662272
(51) G01S 13/92
G01S 13/04
G01S 13/32
G08G 1/01
(00) 46/18
07.11.2018

(11) EP1948355
(51) B01J 19/00
B01J 19/18
B01J 19/24
(00) 46/18
07.11.2018

(11) EP1996010
(51) A01J 5/017
A01K 1/12
(00) 46/18
07.11.2018

(11) EP2117081
(51) H01R 13/24
G01R 1/067
G01R 1/073
(00) 46/18
07.11.2018

(11) EP2232663
(51) H02J 1/10
H02J 3/38
H02J 3/46
H02J 13/00
H02H 7/122
H04B 3/54
H01L 31/02
G01S 3/786
(00) 46/18
07.11.2018

(11) EP2241866
(51) G01F 3/22
G01F 15/00
(00) 46/18
07.11.2018

(11) EP2296714
(51) A61L 9/14
A61L 2/22
(00) 46/18
07.11.2018

(11) EP2326464
(51) B25B 13/04
B25B 23/00
B25B 23/142
B25B 23/14
(00) 46/18
07.11.2018

(11) EP2347151
(51) F16K 17/14
F16K 17/16
F16K 17/40
F16K 31/44
(00) 46/18
07.11.2018

(11) EP2374569
(51) B23K 26/08
B23K 26/06
B23K 26/36
(00) 46/18
07.11.2018

(11) EP2551294
(51) C08K 5/13
C08K 5/52
C08L 23/02
C08L 23/04
(00) 46/18
07.11.2018

(11) EP2573388
(51) F16H 57/04
(00) 46/18
07.11.2018

(11) EP2573391
(51) F16H 57/04
F16H 57/08
F03D 80/00
(00) 48/18
21.11.2018

(11) EP2594610
(51) C08L 81/06
B32B 27/00
C08J 5/18
C08L 77/00
H01B 3/30
H01B 3/42
(00) 46/18
07.11.2018

(11) EP2628720
(51) C07C 51/12
C07C 51/44
C07C 53/08
(00) 46/18
07.11.2018

(11) EP2673237
(51) C07F 7/02
C01B 39/02
C01B 39/46
C01B 33/20
A61K 33/00
A61K 33/24
A61K 45/06
A61K 9/14
B01J 39/02
B01J 39/14
B01J 19/00
B01J 19/18
(00) 46/18
07.11.2018

(11) EP2823430
(51) G06F 21/44
B60W 50/02
(00) 46/18
07.11.2018

(11) EP2850189
(51) C12N 15/113
C12N 15/11
A61K 48/00
(00) 46/18
07.11.2018

(11) EP2879649
(51) B65D 81/32
A61K 8/31
A61K 8/39
A61K 8/44
A61K 8/46
A61K 8/81
A61K 8/86
A61K 8/22
A61Q 5/10
A61K 8/73
A61K 8/41
A61K 8/92
B65D 25/04
(00) 46/18
07.11.2018

(11) EP2898183
(51) E21B 47/12
(00) 46/18
07.11.2018

(11) EP2906382
(51) B23D 61/18
B28D 1/06
B28D 5/04
(00) 46/18
07.11.2018

(11) EP2925198
(51) B01F 15/00
B01F 15/06
A47J 43/07
(00) 46/18
07.11.2018

(11) EP2926142
(51) G01N 33/74
G01N 33/68
(00) 46/18
07.11.2018

(11) EP2934971
(51) B60T 8/88
B60T 7/22
B60T 17/22
(00) 46/18
07.11.2018

(11) EP2956146
(51) A61P 25/28
A61P 11/00

A61P 9/00
A61K 35/30
A61K 31/713
A61K 31/7105
(00) 46/18
07.11.2018

(11) EP2976798
(51) H01M 10/0562
H01M 10/052
H01M 10/054
H01M 4/66
(00) 46/18
07.11.2018

(11) EP2977492
(51) D01D 5/26
D01D 5/22
D01F 6/06
D01F 1/10
(00) 46/18
07.11.2018

(11) EP2983480
(51) A21D 10/04
A21D 13/02
(00) 46/18
07.11.2018

(11) EP2990444
(51) C09C 1/28
C01B 33/22
C08K 3/34
C08K 9/00
C08K 9/04
(00) 46/18
07.11.2018

(11) EP3017827
(51) A61K 39/09
(00) 46/18
07.11.2018

(11) EP3018452
(51) G01D 5/14
(00) 46/18
07.11.2018

(11) EP3019819
(51) F41H 11/02
G01S 7/38
F42B 12/36
(00) 46/18
07.11.2018

(11) EP3027063
(51) A23L 33/10
A23L 33/00
A61K 31/20
A61K 31/23
A61P 25/28
(00) 48/18
21.11.2018

(11) EP3041873
(51) C08F 210/02
(00) 46/18
07.11.2018

(11) EP3042659
(51) A61K 31/445
C07D 401/04
(00) 46/18
07.11.2018

(11) EP3042971
(51) C22C 9/04
C22C 9/02
C22C 9/05
C22C 1/04
C22F 1/08
B22F 3/16
B22F 3/24
B22F 9/08
(00) 46/18
07.11.2018

(11) EP3045175
(51) A61K 31/445
C07D 401/04
(00) 46/18
07.11.2018

(11) EP3045176
(51) A61K 31/445
C07D 401/04
(00) 46/18
07.11.2018

(11) EP3071272
(51) A61M 15/00
(00) 02/19
09.01.2019

(11) EP3075422
(51) A63C 7/10
A63C 9/08
A63C 9/084
A63C 9/00
(00) 46/18
07.11.2018

(11) EP3076820
(51) A43B 7/02
A43B 7/34
A43B 7/36
A43B 3/00
A43B 7/14
A43B 17/00
A43B 13/38
A43B 17/02
A43B 7/04
(00) 46/18
07.11.2018

(11) EP3078667
(51) C07F 5/02
C07F 5/04
C07K 5/078
A61K 38/05
A61K 31/69
A61P 35/00
A61P 29/00
(00) 48/18
21.11.2018

(11) EP3087852
(51) A24B 13/00
(00) 46/18
07.11.2018

(11) EP3128974
(51) A61F 13/495
A61F 13/511
A61F 13/512
A61F 13/513
(00) 47/18
14.11.2018

(11) EP3128975
(51) A61F 13/495
A61F 13/511
A61F 13/512
A61F 13/513
(00) 47/18
14.11.2018

(11) EP3141254
(51) A61K 35/74
A61P 17/00
A23L 33/00
(00) 52/18
19.12.2018

(11) EP3141374
(51) B29C 65/14
B29C 65/20
B23C 3/30
E06B 3/96
B29K 27/06
B29L 31/10
(00) 49/18
28.11.2018

(11) EP3156214
(51) B29C 65/14
B29C 65/20
B23C 3/30
E06B 3/96
B29K 27/06
B29L 31/10
(00) 49/18
28.11.2018

(11) EP3184358
(51) B60N 2/64
B60N 2/70
(00) 46/18
07.11.2018

(11) EP3212448
(51) B60K 15/035
(00) 46/18
07.11.2018

(11) EP3235376
(51) A01K 5/02
(00) 49/18
28.11.2018

(11) EP3284582
(51) B29C 65/48
B29C 65/02
B65C 3/26
B65B 7/14
B65D 35/14
B65D 35/24
B29C 65/10
B29C 65/08
B29C 65/14
B29C 65/16
B29C 65/18
B29L 23/20
(00) 46/18
07.11.2018

(11) EP3286111
(51) B65G 1/04
(00) 46/18
07.11.2018

(11) EP3304627
(51) H01M 8/04029
H01M 8/04119
H01M 8/04291
B63G 8/08
H01M 8/04089
(00) 46/18
07.11.2018

(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) EP1857547
(51) C12N 15/113
A61K 31/713
C07H 21/00
C12Q 1/68
A01K 67/027
C12N 5/10
(00) 41/18
03.10.2018

(11) EP1946769
(51) A61K 39/116
A61K 39/295
A61K 39/385
(00) 2013/15
10.04.2013

(11) EP2079065
(51) G08C 17/02
G05D 1/00
(00) 38/17
20.09.2017

(11) EP2121202
(51) B05D 7/16
C08K 5/12
C09D 127/06
C09D 5/08
(00) 06/18
31.01.2018

(11) EP2251573
(51) F16K 1/22
(00) 23/19
05.06.2019
(00) 09.09.2019
(00) Negative

(11) EP2258847
(51) C12N 15/113
A61K 31/713
C07H 21/00
C12Q 1/68
A01K 67/027
C12N 5/10
(00) 48/17
29.11.2017

(11) EP2910152
(51) A47F 7/00
(00) 45/17
08.11.2017

(11) EP2972111
(51) G01D 5/347
(00) 25/19
19.06.2019
(00) 04.09.2019
(00) Positive

(11) EP3004311
(51) C11D 3/33
C11D 3/37
C11D 7/32

(11) EP3052701
(51) D21H 27/26
D21H 19/06
D21H 19/08
D21H 19/16
D21H 19/82
D21H 25/04

MED

Overige mededelingen.
Contains data concerning other communications.

(11) 1020618
(00) 03.09.2019
(51) F04D 29/20
F16D 1/06
(00) Established
(00) 2e pandrecht

(11) 1026041
(00) 03.09.2019
(51) F04D 29/16
(00) Established
(00) 2e pandrecht

(11) 2003073
(00) 03.09.2019
(51) E02D 13/00
(00) Established
(00) 2e pandrecht

(11) 2003557
(00) 03.09.2019
(51) E02F 9/06
(00) Established
(00) 2e pandrecht

(11) 2004771
(00) 03.09.2019
(51) E02F 9/28
(00) Established
(00) 2e pandrecht

(11) 2005373
(00) 03.09.2019
(51) E02F 3/90
G01F 23/14
(00) Established
(00) 2e pandrecht

(11) 2005542
(00) 03.09.2019
(51) F16L 1/26
F16L 55/17
E02B 17/08
(00) Established
(00) 2e pandrecht

(11) 2006667
(00) 03.09.2019
(51) B63B 35/44
E21B 19/00
(00) Established
(00) 2e pandrecht

(11) 2006942
(00) 03.09.2019
(51) B63B 35/00
B63B 27/00
(00) Established
(00) 2e pandrecht

(11) 2006982
(00) 03.09.2019
(51) E02D 13/00
E02D 13/04
(00) Established
(00) 2e pandrecht

(11) 2007463
(00) 03.09.2019
(51) B63B 21/04
B63B 21/20
(00) Established
(00) 2e pandrecht

(11) 2007694
(00) 03.09.2019
(51) E02F 9/06
E02F 3/92
B63B 21/50
(00) Established
(00) 2e pandrecht

(11) 2008279
(00) 03.09.2019
(51) E02D 13/04
E02D 27/52
(00) Established
(00) 2e pandrecht

(11) 2008493
(00) 03.09.2019
(51) E04H 12/08
E04H 12/34
(00) Established
(00) 2e pandrecht

(11) 2008694
(00) 03.09.2019
(51) E02F 9/06
B63H 19/08
(00) Established
(00) 2e pandrecht

(11) 2009146
(00) 03.09.2019
(51) E02F 9/28
E02F 3/92
(00) Established
(00) 2e pandrecht

(11) 2010028
(00) 03.09.2019
(51) E02F 3/88
E02F 3/90
(00) Established
(00) 2e pandrecht

(11) 2010538
(00) 03.09.2019
(51) E02F 3/90
G01N 21/85
G01N 15/14
(00) Established
(00) 2e pandrecht

(11) 2010545
(00) 03.09.2019
(51) B61B 1/00
B63B 27/30
(00) Established
(00) 2e pandrecht

(11) 2010645
(00) 03.09.2019
(51) E02F 3/24
E02F 3/88
E02F 3/92
E02F 3/96
(00) Established
(00) 2e pandrecht

(11) 2011003
(00) 03.09.2019
(51) E02D 7/02
(00) Established
(00) 2e pandrecht

(11) 2011156
(00) 03.09.2019
(51) E21B 17/01
E21C 50/00
E02F 3/88
E02F 3/90
E02F 7/06
(00) Established
(00) 2e pandrecht

(11) 2011157
(00) 03.09.2019
(51) E02F 3/88
E02F 3/90
E02F 7/00
E02F 7/06
E21C 50/00
E21B 43/36
(00) Established
(00) 2e pandrecht

(11) 2011179
(00) 03.09.2019
(51) F16J 15/00
F16J 15/34
(00) Established
(00) 2e pandrecht

(11) 2011961
(00) 03.09.2019
(51) E02F 3/92
(00) Established
(00) 2e pandrecht

(11) 2011985
(00) 03.09.2019
(51) B63B 35/28
(00) Established
(00) 2e pandrecht

(11) 2011994
(00) 03.09.2019
(51) E02F 3/92
(00) Established
(00) 2e pandrecht

(11) 2012000
(00) 03.09.2019
(51) B63B 27/24
B63B 27/36
(00) Established
(00) 2e pandrecht

(11) 2012002
(00) 03.09.2019
(51) B63B 27/34
B63B 27/36
(00) Established
(00) 2e pandrecht

(11) 2012302
(00) 03.09.2019
(51) E02F 3/88
E02F 3/90

E02F 3/92
E02F 9/06
(00) Established
(00) 2e pandrecht

(11) 2012634
(00) 03.09.2019
(51) B66B 7/12
(00) Established
(00) 2e pandrecht

(11) 2012654
(00) 03.09.2019
(51) E02F 3/88
E02F 3/92
E02F 3/94
(00) Established
(00) 2e pandrecht

(11) 2012695
(00) 03.09.2019
(51) B63B 27/16
E21C 50/00
(00) Established
(00) 2e pandrecht

(11) 2012825
(00) 03.09.2019
(51) E02F 9/06
(00) Established
(00) 2e pandrecht

(11) 2012858
(00) 03.09.2019
(51) E02D 5/28
E02D 7/02
(00) Established
(00) 2e pandrecht

(11) 2012951
(00) 03.09.2019
(51) E02D 13/00
(00) Established
(00) 2e pandrecht

(11) 2013004
(00) 03.09.2019
(51) B01D 35/05
B01D 29/11
B01D 29/21
B01D 29/58
B01D 29/64
B01D 29/68
E02F 7/06
(00) Established
(00) 2e pandrecht

(11) 2013326
(00) 03.09.2019
(51) F16L 1/24
(00) Established
(00) 2e pandrecht

(11) 2013331
(00) 03.09.2019
(51) B28B 1/00
B29C 67/00
C04B 28/00
(00) Established
(00) 2e pandrecht

(11) 2013349
(00) 03.09.2019
(51) E02D 7/00
E02D 13/00
E02D 27/42
(00) Established
(00) 2e pandrecht

(11) 2013367
(00) 03.09.2019
(51) F04D 29/24
(00) Established
(00) 2e pandrecht

(11) 2013368
(00) 03.09.2019
(51) B01D 21/24
E02F 7/04
(00) Established
(00) 2e pandrecht

(11) 2013784
(00) 03.09.2019
(51) B63B 35/30
B63B 27/25
E02F 7/06
E02F 7/04
(00) Established
(00) 2e pandrecht

(11) 2013843
(00) 03.09.2019
(51) B63B 27/25
E02F 3/92
(00) Established
(00) 2e pandrecht

(11) 2013886
(00) 03.09.2019
(51) E02B 17/00
E02B 17/02
E02B 17/04
(00) Established
(00) 2e pandrecht

(11) 2014022
(00) 03.09.2019
(51) E21B 7/15
E21C 37/18
(00) Established
(00) 2e pandrecht

(11) 2014049
(00) 03.09.2019
(51) E02D 27/42
(00) Established
(00) 2e pandrecht

(11) 2014069
(00) 03.09.2019
(51) E02D 13/00
(00) Established
(00) 2e pandrecht

(11) 2014212
(00) 03.09.2019
(51) E02F 9/06
B63B 39/00
B66C 13/02
B66D 1/52
E02F 9/22
E21B 19/00
E21B 19/09
(00) Established
(00) 2e pandrecht

(11) 2014376
(00) 03.09.2019
(51) E02F 9/06
(00) Established
(00) 2e pandrecht

(11) 2014491
(00) 03.09.2019
(51) E02F 3/88
B63B 21/50
B63H 19/08
E02F 9/06
B66D 1/00
(00) Established
(00) 2e pandrecht

(11) 2014578
(00) 03.09.2019
(51) E02D 7/02
E02D 7/28
E02D 13/10
(00) Established
(00) 2e pandrecht

(11) 2014823
(00) 03.09.2019
(51) B66C 1/54
(00) Established
(00) 2e pandrecht

(11) 2014967
(00) 03.09.2019
(51) B63B 35/03
F16L 1/20
F16L 1/23
(00) Established
(00) 2e pandrecht

(11) 2015214
(00) 03.09.2019
(51) E21B 31/20
E21B 19/06
F16F 9/00
E21B 41/00
(00) Established
(00) 2e pandrecht

(11) 2015462
(00) 03.09.2019
(51) E02F 5/30
C04B 28/06
C02F 11/00
C04B 38/10
E02D 3/12
E02F 7/06
(00) Established
(00) 2e pandrecht

(11) 2015612
(00) 03.09.2019
(51) E02F 9/28
(00) Established
(00) 2e pandrecht

(11) 2015672
(00) 03.09.2019
(51) E02F 9/28
E21C 35/193
(00) Established
(00) 2e pandrecht

(11) 2015785
(00) 03.09.2019
(51) E02F 9/28
B28D 1/18
E21C 35/18
(00) Established
(00) 2e pandrecht

(11) 2015858
(00) 03.09.2019
(51) E02F 7/04
E01F 7/06
(00) Established

(00) 2e pandrecht

(11) 2015981
(00) 03.09.2019
(51) B63B 21/10
(00) Established
(00) 2e pandrecht

(11) 2016225
(00) 03.09.2019
(51) B63C 11/52
B63G 8/00
E21C 50/00
B63C 11/50
(00) Established
(00) 2e pandrecht

(11) 2016401
(00) 03.09.2019
(51) E02D 13/00
(00) Established
(00) 2e pandrecht

(11) 2017021
(00) 03.09.2019
(51) A01G 33/00
A01D 44/00
(00) Established
(00) 2e pandrecht

(11) 2017180
(00) 03.09.2019
(51) E02F 9/28
(00) Established
(00) 2e pandrecht

(11) 2017794
(00) 03.09.2019
(51) E21B 15/00
B65G 7/02
(00) Established
(00) 2e pandrecht

(11) 2018044
(00) 03.09.2019
(51) F04D 29/24
F04D 7/04
F04D 29/22
(00) Established
(00) 2e pandrecht

(11) 2018257
(00) 03.09.2019
(51) B63B 27/10
B66C 1/10
B66C 1/66
(00) Established
(00) 2e pandrecht

(11) 2018384
(00) 03.09.2019
(51) F16L 1/20
B66D 1/74
(00) Established
(00) 2e pandrecht

(11) 2018916
(00) 03.09.2019
(51) E02F 9/00
(00) Established
(00) 2e pandrecht

(11) 2019014
(00) 03.09.2019
(51) B63B 35/04
F16L 1/20
H02G 1/10
(00) Established

(00) 2e pandrecht

(11) 2019068
(00) 03.09.2019
(51) E02D 13/04
(00) Established
(00) 2e pandrecht

(11) 2019327
(00) 03.09.2019
(51) F16K 3/02
F16K 3/20
F16K 3/314
(00) Established
(00) 2e pandrecht

(11) 2019348
(00) 29.08.2019
(51) A61K 31/714
A61K 33/26
A61P 3/02
A61K 45/00
(00) Partial - Renunciation

(11) 2019699
(00) 03.09.2019
(51) B63B 27/30
B63B 27/14
(00) Established
(00) 2e pandrecht

(11) 2019708
(00) 03.09.2019
(51) A01G 33/00
(00) Established
(00) 2e pandrecht

(11) 2020037
(00) 03.09.2019
(51) E02D 27/42
E02B 17/00
(00) Established
(00) 2e pandrecht

(11) 2020381
(00) 03.09.2019
(51) E02D 7/24
(00) Established
(00) 2e pandrecht

(11) EP1174547
(00) 03.09.2019
(51) E02F 9/28
(00) Established
(00) 2e pandrecht

(11) EP1296064
(00) 03.09.2019
(51) F15B 1/04
F04D 13/08
(00) Established
(00) 2e pandrecht

(11) EP1649109
(00) 03.09.2019
(51) E02F 9/06
(00) Established
(00) 2e pandrecht

(11) EP1653010
(00) 03.09.2019
(51) E02F 3/92
(00) Established
(00) 2e pandrecht

(11) EP1781861
(00) 03.09.2019
(51) E02D 7/00
(00) Established

(00) 2e pandrecht

(11) EP1795491
(00) 03.09.2019
(51) B66D 1/52
B66C 13/02
(00) Established
(00) 2e pandrecht

(11) EP1903216
(00) 03.09.2019
(51) F04D 7/04
F04D 29/22
(00) Established
(00) 2e pandrecht

(11) EP1910623
(00) 03.09.2019
(51) E02D 7/10
(00) Established
(00) 2e pandrecht

(11) EP1972788
(00) 03.09.2019
(51) F04D 7/04
F04D 29/42
(00) Established
(00) 2e pandrecht

(11) EP1972789
(00) 03.09.2019
(51) F04D 7/04
F04D 29/42
F04D 29/62
(00) Established
(00) 2e pandrecht

(11) EP1973171
(00) 03.09.2019
(51) H01L 31/048

(11) EP1983112
(00) 03.09.2019
(51) E02D 5/66
(00) Established
(00) 2e pandrecht

(11) EP1997967
(00) 03.09.2019
(51) E02F 9/28
E21C 35/18
(00) Established
(00) 2e pandrecht

(11) EP2089694
(00) 03.09.2019
(51) G01N 22/04
G01F 1/66
G01F 1/74
G01N 9/24
G01S 13/00
E02D 3/00
(00) Established
(00) 2e pandrecht

(11) EP2100070
(51) F16L 47/28
F16L 41/14

(11) EP2148120
(00) 03.09.2019
(51) F16L 27/053
(00) Established
(00) 2e pandrecht

(11) EP2148123
(00) 03.09.2019
(51) F16L 55/134
E02B 17/00

(00) Established
(00) 2e pandrecht

(11) EP2258904
(00) 03.09.2019
(51) E02F 9/06
(00) Established
(00) 2e pandrecht

(11) EP2325397
(00) 03.09.2019
(51) E02D 7/02
E02D 7/10
(00) Established
(00) 2e pandrecht

(11) EP2402511
(00) 03.09.2019
(51) E02D 13/00
E02D 13/04
E02D 27/42
E02D 27/50
(00) Established
(00) 2e pandrecht

(11) EP2483481
(00) 03.09.2019
(51) E02F 9/06
(00) Established
(00) 2e pandrecht

(11) EP2488703
(00) 03.09.2019
(51) E02D 13/00
E02D 7/14
(00) Established
(00) 2e pandrecht

(11) EP2513314
(51) C12N 15/82

(11) EP2535466
(00) 03.09.2019
(51) E02F 3/90
E02F 3/88
(00) Established
(00) 2e pandrecht

(11) EP2585712
(00) 03.09.2019
(51) B66C 13/08
B66C 23/18
B66C 23/58
B66C 17/00
E02D 27/42
F03D 1/00
B66C 23/00
E02B 17/00
(00) Established
(00) 2e pandrecht

(11) EP2646694
(00) 03.09.2019
(51) F04D 7/04
F04D 29/24
(00) Established
(00) 2e pandrecht

(11) EP2661408
(00) 03.09.2019
(51) B66C 1/42
B66C 1/10
(00) Established
(00) 2e pandrecht

(11) EP2680390
(51) H02J 3/38
F03D 7/02
F03D 9/00

(11) EP2691577
(00) 03.09.2019
(51) E02D 13/06
(00) Established
(00) 2e pandrecht

(11) EP2697111
(00) 03.09.2019
(51) B63B 27/10
B66C 23/82
(00) Established
(00) 2e pandrecht

(11) EP2701970
(00) 03.09.2019
(51) B63B 35/44
E21B 19/00
B63B 27/16
(00) Established
(00) 2e pandrecht

(11) EP2707548
(00) 03.09.2019
(51) E02F 3/90
E02F 5/00
E02F 3/88
B63B 35/00
E21C 50/00
B63B 35/44
(00) Established
(00) 2e pandrecht

(11) EP2729629
(00) 03.09.2019
(51) E02F 3/88
E02F 3/92
E21C 35/187
E02F 5/00
(00) Established
(00) 2e pandrecht

(11) EP2748503
(00) 03.09.2019
(51) F16L 11/12
F16L 57/06
F16L 11/08
(00) Established
(00) 2e pandrecht

(11) EP2751347
(00) 03.09.2019
(51) E02F 9/06
E02F 3/92
B63B 21/50
(00) Established
(00) 2e pandrecht

(11) EP2791545
(00) 03.09.2019
(51) F16G 15/06
B63C 11/52
(00) Established
(00) 2e pandrecht

(11) EP2807376
(00) 03.09.2019
(51) F04D 7/04
F04D 29/62
(00) Established
(00) 2e pandrecht

(11) EP2812498
(00) 03.09.2019
(51) C02F 1/00
C02F 103/00
C02F 103/08
E02B 15/04
E02B 15/10
E02B 15/00
G01N 1/02
G01N 1/10
G01N 1/20
B63B 35/32
B63B 35/00
B63B 1/12
(00) Established
(00) 2e pandrecht

(11) EP2856949
(51) A61B 17/12
A61B 17/00

(11) EP2870299
(00) 03.09.2019
(51) E02F 5/28
E02F 9/28
E02F 3/92
E21B 10/43
(00) Established
(00) 2e pandrecht

(11) EP2914390
(00) 03.09.2019
(51) B08B 1/00
B08B 9/02
B08B 9/023
B08B 9/027
B08B 9/08
B08B 9/087
B08B 9/093
E02B 17/00
(00) Established
(00) 2e pandrecht

(11) EP2914483
(00) 03.09.2019
(51) B63B 21/00
B63B 27/16
(00) Established
(00) 2e pandrecht

(11) EP2925658
(00) 03.09.2019
(51) E02D 11/00
E02D 13/04
E02D 35/00
E04H 12/34
B66C 1/56
(00) Established
(00) 2e pandrecht

(11) EP2956397
(00) 03.09.2019
(51) B66C 1/44
E02B 17/06
E02B 17/08
(00) Established
(00) 2e pandrecht

(11) EP2978651
(00) 03.09.2019
(51) B61B 1/00
B63B 27/10
B63B 27/30
B65B 35/00
B65G 41/00
(00) Established
(00) 2e pandrecht

(11) EP3011112

(00) 03.09.2019
(51) E02D 7/02
(00) Established
(00) 2e pandrecht

(11) EP3017142
(00) 03.09.2019
(51) E21B 41/00
E02F 7/10
B63B 27/25
B63B 23/08
B63B 27/34
B63B 38/00
B63B 35/30
(00) Established
(00) 2e pandrecht

(11) EP3019699
(00) 03.09.2019
(51) E21C 50/00
E02F 3/88
E02F 7/06
(00) Established
(00) 2e pandrecht

(11) EP3027838
(00) 03.09.2019
(51) E21B 19/08
E21C 47/06
B63B 27/00
B63B 35/44
B65G 67/60
(00) Established
(00) 2e pandrecht

(11) EP3083389
(00) 03.09.2019
(51) B63B 27/16
E21C 50/00
E02F 7/00
E02F 9/00
(00) Established
(00) 2e pandrecht

(11) EP3083391
(00) 03.09.2019
(51) B63B 35/28
(00) Established
(00) 2e pandrecht

(11) EP3148873
(00) 03.09.2019
(51) B63H 23/06
E02F 3/88
(00) Established
(00) 2e pandrecht

(11) EP3194045
(00) 03.09.2019
(51) B01D 21/24
E02F 7/04
(00) Established
(00) 2e pandrecht

(11) EP3237688
(00) 03.09.2019
(51) E02D 27/42
(00) Established
(00) 2e pandrecht

VRV

Verval of nietigverklaring.
Contains data concerning lapse or annulment.

(11) 2022500
(00) 26.08.2019
(00) Application Withdrawn

(11) 300159
(00) 12.09.2019
(00) SPC Expired

(11) 300265
(00) 08.09.2019
(00) SPC Expired

(11) 300762
(00) 04.09.2019
(00) SPC Application Withdrawn

(11) 300954
(00) 01.01.2019
(00) SPC got Invalid due to parent patent lapse

(11) EP0967193
(00) 08.09.2019
(00) Patent Expired

(11) EP0983755
(00) 06.09.2019
(00) Patent Expired

(11) EP0985348
(00) 10.09.2019
(00) Patent Expired

(11) EP0985765
(00) 08.09.2019
(00) Patent Expired

(11) EP0985778
(00) 10.09.2019
(00) Patent Expired

(11) EP0985993
(00) 10.09.2019
(00) Patent Expired

(11) EP0988885
(00) 06.09.2019
(00) Patent Expired

(11) EP0988893
(00) 07.09.2019
(00) Patent Expired

(11) EP0989145
(00) 10.09.2019
(00) Patent Expired

(11) EP1001530
(00) 10.09.2019
(00) Patent Expired

(11) EP1004253
(00) 10.09.2019
(00) Patent Expired

(11) EP1005842
(00) 07.09.2019
(00) Patent Expired

(11) EP1005999
(00) 08.09.2019
(00) Patent Expired

(11) EP1026870
(00) 08.09.2019
(00) Patent Expired

(11) EP1031890
(00) 07.09.2019
(00) Patent Expired

(11) EP1041559
(00) 09.09.2019
(00) Patent Expired

(11) EP1041560
(00) 09.09.2019
(00) Patent Expired

(11) EP1041561
(00) 09.09.2019
(00) Patent Expired

(11) EP1042845
(00) 07.09.2019
(00) Patent Expired

(11) EP1043723
(00) 09.09.2019
(00) Patent Expired

(11) EP1045848
(00) 10.09.2019
(00) Patent Expired

(11) EP1047904
(00) 08.09.2019
(00) Patent Expired

(11) EP1096937
(00) 09.09.2019
(00) Patent Expired

(11) EP1109534
(00) 10.09.2019
(00) Patent Expired

(11) EP1109558
(00) 09.09.2019
(00) Patent Expired

(11) EP1109864
(00) 10.09.2019
(00) Patent Expired

(11) EP1109892
(00) 07.09.2019
(00) Patent Expired

(11) EP1110023
(00) 10.09.2019
(00) Patent Expired

(11) EP1110179
(00) 08.09.2019
(00) Patent Expired

(11) EP1112062
(00) 08.09.2019
(00) Patent Expired

(11) EP1112095
(00) 10.09.2019
(00) Patent Expired

(11) EP1112097
(00) 08.09.2019
(00) Patent Expired

(11) EP1112098
(00) 09.09.2019
(00) Patent Expired

(11) EP1112214
(00) 09.09.2019
(00) Patent Expired

(11) EP1112500
(00) 07.09.2019
(00) Patent Expired

(11) EP1112546
(00) 10.09.2019
(00) Patent Expired

(11) EP1112666
(00) 07.09.2019
(00) Patent Expired

(11) EP1113797
(00) 10.09.2019
(00) Patent Expired

(11) EP1113828
(00) 07.09.2019
(00) Patent Expired

(11) EP1113978
(00) 09.09.2019
(00) Patent Expired

(11) EP1113979
(00) 09.09.2019
(00) Patent Expired

(11) EP1115491
(00) 09.09.2019
(00) Patent Expired

(11) EP1115909
(00) 07.09.2019
(00) Patent Expired

(11) EP1115914
(00) 09.09.2019
(00) Patent Expired

(11) EP1116414
(00) 09.09.2019
(00) Patent Expired

(11) EP1117639
(00) 09.09.2019
(00) Patent Expired

(11) EP1117909
(00) 09.09.2019
(00) Patent Expired

(11) EP1117976
(00) 09.09.2019
(00) Patent Expired

(11) EP1118229
(00) 11.09.2019
(00) Patent Expired

(11) EP1118239
(00) 10.09.2019
(00) Patent Expired

(11) EP1119235
(00) 07.09.2019
(00) Patent Expired

(11) EP1119575
(00) 08.09.2019
(00) Patent Expired

(11) EP1125546
(00) 06.09.2019
(00) Patent Expired

(11) EP1144110
(00) 07.09.2019
(00) Patent Expired

(11) EP1151525
(00) 07.09.2019

(00) Patent Expired

(11) EP1200805
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1214609
(00) 08.09.2019
(00) Patent Expired

(11) EP1326665
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1383532
(00) 23.10.2018
(00) European Patent got Revoked

(11) EP1386354
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1398599
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1472194
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1474494
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1482917
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1485996
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1486218
(00) 07.09.2019
(00) Patent Expired

(11) EP1487426
(00) 28.01.2019
(00) European Patent got Revoked

(11) EP1495635
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1540702
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1545667
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1546838
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1596979
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1606764
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1627472
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1647917
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1671480
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1680724
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP1687091
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1710522
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1725854
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1729097
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1733257
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1742577
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1743408
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1755303
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1761768
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1784727
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1787144
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1807187
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1811566
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1830132
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1830300
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1832657
(00) 09.09.2019
(00) Patent Expired

(11) EP1833009
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1834172
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1838192
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1845465
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1846852
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1851811
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP1865740
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1866632
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1869571
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1869667
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1869727
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1869820
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1871274
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1872497
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1872776
(00) 08.09.2019
(00) Patent Expired

(11) EP1875668
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1875978
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1876787
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1877513
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1886477
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1889642
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1891287
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1894401
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1905763
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1909298
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1910518
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1920696
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP1930418
(00) 07.09.2019

(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1930959	(11) EP1996091	(11) EP2092035
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1941791	(11) EP1998114	(11) EP2092784
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1954993	(11) EP1999367	(11) EP2098424
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1958162	(11) EP1999439	(11) EP2099178
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1960823	(11) EP1999818	(11) EP2101678
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1961008	(11) EP2002218	(11) EP2102721
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1965847	(11) EP2007471	(11) EP2103887
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1967276	(11) EP2008081	(11) EP2105494
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1968686	(11) EP2014726	(11) EP2107660
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1971714	(11) EP2020438	(11) EP2108890
(00) 08.05.2019	(00) 11.09.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP1971998	(11) EP2025102	(11) EP2111640
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1973116	(11) EP2025150	(11) EP2115060
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1973356	(11) EP2026135	(11) EP2117079
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1975265	(11) EP2027577	(11) EP2119544
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1976360	(11) EP2037981	(11) EP2120283
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1984121	(11) EP2044392	(11) EP2120566
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1984837	(11) EP2045818	(11) EP2120637
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1989995	(11) EP2067296	(11) EP2122682
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1991160	(11) EP2074503	(11) EP2124837
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1993517	(11) EP2077229	(11) EP2125215
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1994514	(11) EP2078217	(11) EP2127009
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1994679	(11) EP2081217	(11) EP2127635
(00) 08.05.2019	(00) 08.05.2019	(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2127850
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2132583
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2134777
(00) 21.03.2019
(00) European Patent got Revoked

(11) EP2138716
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2141219
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2149124
(00) 19.06.2019
(00) European Patent got Revoked

(11) EP2155625
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2157930
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2160899
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2161828
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2161953
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2167760
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2167890
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2168401
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2175921
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2177576
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2179652
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2180897
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2184549
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2184720
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2187220
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2187419
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2189109
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2195277
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2195715
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2197655
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2198542
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2203266
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2208088
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2208502
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2210667
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2214928
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2217375
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2219039
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2220272
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2220449
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2221357
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2222821
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2223702
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2223736
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2224127
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2224170
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2224306
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2226155
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2228821
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2230143
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2232447
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2233272
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2233533
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2233808
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2234917
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2235464
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2235807
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2236821
(00) 15.03.2019
(00) European Patent got Revoked

(11) EP2236922
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2238459
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2239446
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2239539
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2241027
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2241174
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2242968
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2242992
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2243162
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2244133
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2244189
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2246252
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2246595
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2250725
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2250802
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2254469
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2254499
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2255222
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2255508
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2255524
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2255585
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2256169
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2256319
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2256916
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2256951
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2257021
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2257057
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2258748
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2260413
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2261551
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2262417
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2262939
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2265673
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2265840
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2270515
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2271847
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2272132
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2273704
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2273712
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2274514
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2278633
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2282797
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2283515
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2287037
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2289856
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2290632
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2290689
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2292022
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2293905
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2293945
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2298440
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2299280
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2300670
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2301016
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2301071
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2301139
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2302692
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2304941
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2305601
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2313921
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2314639
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2316052
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2317694
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2317778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2318024
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2320691
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2324797
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2325593
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2325737
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2327134
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2328688
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2331560
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2334292
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2335100
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2336021
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2338176
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2338789
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2339183
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2339323
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2345960
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2347366
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2349880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2351231
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2353056
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2355909
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2359457
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2360374
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2361188
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2362279
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2366458
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2366668
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2367637
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2368447
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2369155
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2369561
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2370623
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2372175
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2372768
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2374482
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2374657
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2374911
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2375860
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2376849
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2378127
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2378331
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2380793
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2381195
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2381572
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2381671
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2381821
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2383290
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2383895
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2384388
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2384527
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2386463
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2386895
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2390429
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2390484
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2390606
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2393808
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2394250
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2394312
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2395292
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2395400
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2396073
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2396741
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2397338
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2397789
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2401176
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2402460
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2402898
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2403230
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2403799
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2404146
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2405591
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2405819
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2406389
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2406841
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2407838
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2407847
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2408027
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2409134
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2409195
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2410949
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2411125
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2411793
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2411963
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2411977
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2412362
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2412926
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2413065
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2413772
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2414284
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2414681
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2414751
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2414873
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2414958
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2414991
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2415242
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2415540
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2415673
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2416232
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2416461
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2416714
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2417780
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2418416
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2420772
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2421136
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2421137
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2423331
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2423837
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2426052
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2428989
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2429140
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2431657
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2433412
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2433422
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2433933
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2434808
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2434938
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2435717
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2436419
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2437038
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2438630
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2439284
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2439285
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2439623
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2442183
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2446822
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2447006
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2447375
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2447729
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2448080
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2449865
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2450196
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2450771
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2451032
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2452073
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2453693
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2454909
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2456466
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2457768
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2457881
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2458760
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2459090
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2463599
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2464100
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2464686
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2466928
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2468598
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2469587
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2470976
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2471184
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2471778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2472102
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2472118
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2472438
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2473139
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2475155
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2476590
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2479406
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2479672
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2483870
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2484871
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2484911
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2485568
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2486164
(00) 06.05.2019
(00) European Patent got Revoked

(11) EP2487439
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2488429
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2488672
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2490341
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2490433
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2494759
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2495233
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2495888
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2496064
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2497212
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2497619
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2498042
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2498285
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2498861
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2499570
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2500716
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2500814
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2502780
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2504605
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2504606
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2504816
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2505128
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2505905
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2506091
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2506407
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2508020
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2508803
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2510282
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2510660
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2510735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2510859
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2511030
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2511896
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2512686
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2514281
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2515232
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2516903
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2517355
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2517960
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2518550
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2519015
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2521405
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2522856
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2523162
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2523839
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2524575
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2525444
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2525851
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2526503
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2526681
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2527525
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2527851
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2527884
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2528522
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2528937
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2529545
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2531455
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2532447
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2533092
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2534409
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2534516
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2534572
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2535152
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2535177
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2535942
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2536227
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2536895
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2536956
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2538192
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2539080
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2540186
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2540911
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2541136
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2541735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2542120
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2542269
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2542421
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2542913
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2544992
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2545687
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2545708
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2545996
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2546686
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2546806
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2547298
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2547431
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2547635
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2547893
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2547904
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2548235
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2548313
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2549086
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2549333
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2550002
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2550734
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2550844
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2550867
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2553091
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2553131
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2553274
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2553309
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2553317
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2553630
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2553920
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2553955
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2554061
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2554191
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2554301
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2554339
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2554638
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2554698
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2555236
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2555579
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2555806
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2556389
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2556413
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2557768
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2557773
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2558523
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2558725
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2559826
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2561501
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2565559
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2565653
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2567548
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2568021
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2568339
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2569142
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2569486
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2569672
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2570989
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2572475
(00) 15.05.2019
(00) EPV Ceased Effect

(11) EP2573956
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2574600
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2578757
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2581550
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2581590
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2581721
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2582300
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2583856
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2584380
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2584593
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2584682
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2585281
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2586013
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2587073
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2587363
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2587660
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2587862
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2588665
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2589152
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2589938
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2590363
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2590580
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2590845
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2591308
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2591466
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2591618
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2592671
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2593804
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2594255
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2594918
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2595905
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2595906
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2597477
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2597531
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2599688
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2600519
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2601502
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2604670
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2607946
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2608617
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2609711
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2609873
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2610179
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2610909
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2612488
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2612511
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2613076
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2613187
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2613290
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2613490
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2613578
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2614619
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2614693
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2615631
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2615632
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2615761
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2615954
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2615984
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2617025
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2617300
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2618223
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2618426
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2618926
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2619384
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2619491
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2619700
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2621601
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2622278
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2623155
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2624148
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2626631
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2626694
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2626706
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2629142
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2629824
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2630273
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2630469
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2630555
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2630582
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2630593
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2631735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2632115
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2632150
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2633860
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2633913
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2633983
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2634546
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2634797
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2634823
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2635074
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2635822
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2636264
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2636445
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2636472
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2636554
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2636568
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2636883
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2636946
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2638986
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2638990
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2639408
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2639409
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2639458
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2639536
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2639761
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2639778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2640176
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2642012
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2642085
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2642417
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2642631
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2642738
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2642779
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2643603
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2643821
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2643866
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2643908
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2644281
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2644836
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2644920
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2644950
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2645003
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2645364
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2645368
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2645885
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2645918
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2645985
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2646382
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2646654
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2647801
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2647902
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2648718
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2649553
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2650519
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2650881
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2650935
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2652493
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2652966
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2654080
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2655120
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2655731
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2656880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2657940
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2659159
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2659211
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2659667
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2659993
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2663193
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2663626
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2664800
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2667050
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2667202
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2669185
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2670999
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2671768
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2672009
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2672257
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2672469
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2675732
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2676526
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2676882
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2677510
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2677609
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2677910
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2678038
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2678630
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2678854
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2679333
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2680678
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2680813
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2680864
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2680905
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2681018
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2681435
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2681786
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2682196
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2682369
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2682677
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2683292
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2683294
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2683482
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2683844
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2684002
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2684192
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2684224
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2685258
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2685655
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2685773
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2686059
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2686791
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2686801
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2687931
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2688901
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2689257
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2689266
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2689280
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2689307
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2689356
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2690069
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2690193
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2690424
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2690463
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2690869
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2691048
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2691327
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2691880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2691973
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2692118
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2692886
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2693420
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2693430
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2694020
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2694892
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2695086
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2695386
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2695586
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2695761
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2696113
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2697511
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2697695
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2698539
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2701360
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2701727
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2702708
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2703687
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2703910
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2705060
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2707465
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2707539
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2707944
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2708365
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2708895
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2709801
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2709880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2709967
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2711999
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2713163
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2713231
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2713791
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2716495
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2717367
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2717640
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2717852
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2717862
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2718602
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2719022
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2719966
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2722427
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2723008
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2723250
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2724059
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2724946
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2725258
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2725559
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2725762
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2726201
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2726220
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2726238
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2726331
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2727402
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2728738
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2728843
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2729671
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2729840
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2730082
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2730982
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2731941
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2732380
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2732807
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2733591
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2734005
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2734019
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2734881
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2735418
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2736200
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2738038
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2738148
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2738452
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2739348
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2739506
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2740428
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2740444
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2740869
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2741063
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2741268
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2744052
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2744099
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2744480
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2745073
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2745094
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2745693
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2746740
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2747099
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2747246
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2747425
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2749152
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2749393
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2750190
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2750277
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2750806
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2750920
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2751438
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2751748
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2751818
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2752091
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2752515
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2752524
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2753461
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2753825
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2754237
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2755493
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2755643
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2755876
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2757063
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2757575
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2758978
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2759715
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2759890
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2760354
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2761237
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2762283
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2762899
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2762986
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2763165
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2763740
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2767724
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2767813
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2768153
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2768650
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2768708
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2769314
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2770389
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2770548
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2771716
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2772212
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2772255
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2774686
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2774889
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2775103
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2775337
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2775620
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2775694
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2775945
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2776173
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2777565
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2777889
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2778262
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2778350
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2778503
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2778656
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2778778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2778821
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2779028
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2779067
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2779104
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2779149
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2779531
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2779571
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2780033
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2781404
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2781478
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2781583
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2781599
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2782125
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2782378
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2783156
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2783748
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2783862
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2783863
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2784395
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2784429
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2784927
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2784937
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2785039
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2785099
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2785561
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2786274
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2786406
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2786583
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2786880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2787300
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2787306
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2787378
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2787389
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2787517
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2787903
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2788482
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2788892
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2788912
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2789711
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2789845
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2790425
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2791202
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2792078
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2792585
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2793137
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2793228
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2793251
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2793457
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2793756
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2794943
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2795381
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2795395
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2795504
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2797238
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2797554
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2798299
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2799109
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2799477
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2799794
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2800312
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2800328
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2800390
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2801679
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2801761
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2803577
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2803774
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2803919
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2803968
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2805852
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2806349
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2806475
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2807111
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2807319
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2807852
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2808254
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2808598
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2808741
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2809008
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2809318
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2810378
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2810476
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2810780
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2811068
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2811139
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2811200
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2811248
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2811761
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2812535
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2813943
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2814292
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2814788
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2814814
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2815128
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2815460
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2815553
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2816430
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2817585
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2818006
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2818247
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2819140
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2819428
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2819791
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2820265
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2820457
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2820595
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2820678
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2820744
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2820893
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2821274
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2821282
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2822036
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2822061
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2822778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2822787
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2822802
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2822833
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2823096
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2823693
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2824476
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2825106
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2825511
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2825786
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2825790
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2825872
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2825875
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2825876
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2825913
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2826201
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2826268
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2826285
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2826349
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2826825
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2827057
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2827231
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2827267
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2827342
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2827486
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2827586
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2827877
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2827879
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2827924
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2828456
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2828484
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2828779
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2828826
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2828845
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2828939
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2828978
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2829605
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2829893
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2830142
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2830197
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2830244
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2830504
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2830639
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2830806
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2830884
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2831114
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2831278
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2831298
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2831591
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2831870
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2832083
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2832244
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2832537
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2832709
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2832814
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2833314
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2833655
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2834005
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2834511
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2834575
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2834711
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2834757
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2835040
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2835550
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2835589
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2835685
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2835831
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2835870
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2836386
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2836401
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2836698
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2837208
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2837514
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2837560
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2838145
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2838154
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2838284
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2838285
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2838452
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2838848
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2840281
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2840324
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2840379
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2843217
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2843265
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2843267
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2844038
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2848082
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2848975
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2850552
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2850861
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2851739
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2852524
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2852843
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2853216
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2853424
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2853787
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2853968
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2854416
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2854437
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2854510
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2854552
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2854725
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2854827
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2855729
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2856918
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2857451
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2857533
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2857652
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2857854
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2858069
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2858106
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2858213
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2858664
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2860335
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2860365
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2860885
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2861655
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2862120
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2862274
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2863471
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2863680
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2863733
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2863923
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2865047
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2865777
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2866965
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2867360
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2867565
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2867655
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2867819
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2868002
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2868243
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2869061
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2869264
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2869763
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2869961
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2869981
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2870088
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2871523
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2873306
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2873645
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2874008
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2874191
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2875258
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2875347
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2875419
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2875527
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2875660
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2876796
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2876806
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2877200
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2878280
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2878665
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2879171
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2879470
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2879745
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2879990
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2880763
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2881009
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2881422
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2881897
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2882221
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2882465
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2883269
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2883907
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2883911
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2884833
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2886414
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2887116
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2887142
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2887395
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2887530
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2888293
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2888667
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2888761
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2888781
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2889518
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2889558
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2889923
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2890005
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2890198
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2892137
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2892453
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2892500
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2892728
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2893435
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2893571
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2893652
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2893822
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2894232
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2894471
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2894654
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2894679
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2894710
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2895136
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2895317
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2895504
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2895980
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2896088
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2896447
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2897224
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2897296
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2897742
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2897953
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2900197
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2900365
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2900500
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2901062
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2901413
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2901560
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2901630
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2901987
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2902847
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2903007
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2903426
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2904424
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2904615
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2904765
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2904766
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2904863
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2905927
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2906325
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2906776
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2908565
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2908697
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2909554
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2910985
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2911051
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2911664
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2911920
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2912194
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2912921
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2913047
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2913062
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2913146
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2913298
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2913994
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2914103
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2914670
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2914685
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2914688
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2915157
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2915243
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2915590
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2915726
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2915753
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2915986
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2916181
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2916190
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2916384
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2916406
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2916412
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2916447
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2916566
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2916756
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2917684
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2917884
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2918446
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2918540
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2918672
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919000
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919023
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919050
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919088
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919143
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919195
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919279
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2919483
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919542
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2919917
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2920057
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2920281
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2921186
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2921320
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2921523
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2921656
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2921773
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2921783
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2921804
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2921880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2922086
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2922104
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2923340
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2923865
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2923904
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2923952
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2924003
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2924210
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2924407
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2924477
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2925200
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2925340
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2925349
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2925646
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2926010
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2926473
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927060
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927115
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927594
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927636
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927727
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927791
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927861
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927868
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927870
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927873
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2927903
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2928214
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2928645
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2928744
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2928790
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2929669
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2930506
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2930735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2930903
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2931185
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2932070
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2932664
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2932955
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2933958
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2934112
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2934295
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2934525
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2936190
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2936282
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2937026
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2937049
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2937784
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2937810
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2937841
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2938381
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2939020
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2939523
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2939769
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2941136
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2941769
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2943168
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2943169
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2944113
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2944145
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2944356
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2944559
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2944616
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2945272
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2945358
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2945417
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2945619
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2945778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2945787
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2946224
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2947421
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2947429
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2948271
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2948590
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2948691
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2948769
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2948864
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2948986
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2949075
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2949715
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2949767
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2949963
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2950026
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2950284
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2950294
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2950585
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2950734
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2951282
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2951371
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2951466
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2952103
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2952718
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2953902
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2954662
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2955203
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2955284
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2955302
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2955461
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2955770
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2956647
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2957087
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2958134
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2958372
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2958420
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2958560
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2958713
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2959093
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2959135
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2959152
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2959228
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2959810
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2960486
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2960513
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2960716
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961035
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961040
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961116
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961220
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961375
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2961463
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961491
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961508
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961587
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2961779
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2963292
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2963402
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2963523
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2963973
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2964137
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2964228
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2964280
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2964395
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2964502
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2964688
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2964917
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2965175
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2965371
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2965932
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2966125
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2966179
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2967038
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2967143
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2967231
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2967459
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2967746
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2967904
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2967975
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2968107
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2968383
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2968756
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2968818
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2968820
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969007
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969054
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969074
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969173
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969229
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969287
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969420
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969554
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969677
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2969735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2970090
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2970102
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2970122
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2970335
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2970492
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2970630
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971032
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971159
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971162
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971192
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971341
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971582
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971691
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971781
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971882
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2971885
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972016
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972099
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972135
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972136
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972182
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972222
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972352
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2972627
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972700
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972831
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2972976
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973103
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973111
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973486
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973504
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973606
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973704
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973714
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973789
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973806
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2973842
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2974090
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2974138
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2974158
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2974229
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2974253
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2974565
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2974691
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2975077
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2975151
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2975325
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2975475
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2975778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2975971
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976220
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976238
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976256
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976519
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976528
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976584
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976612
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976818
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2976891
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2977124
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2977189
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2977372
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2977460
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2977770
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2977846
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2977989
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2978123
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2978204
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2978366
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2978370
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2978447
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2978490
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2978623
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2978626
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2978679
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2979029
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2979361
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2979362
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2979425
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2979696
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2979880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2979890
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2979973
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2980019
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2980276
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2980390
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2980504
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2980556
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2980770
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2980876
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2980892
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2982411
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2983833
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2984725
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2984734
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2985204
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2985427
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2985878
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2985939
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2986968
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2987499
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2987883
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2988609
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2989302
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2989355
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2990379
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2991368
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2991999
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2992704
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2992782
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2992798
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP2993645
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2994064
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2994401
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2995196
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2995857
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2995896
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2996137
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2996170
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2996530
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2996757
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2997316
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2998120
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2999144
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP2999299
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3000262
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3000298
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3000532
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3000706
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3001338
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3002171
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3002339
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3002446
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3002574
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3002706
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3002805
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3002832
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3003756
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3004629
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3004673
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3005280
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3005438
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3005854
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3006396
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3006708
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3006809
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3006811
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3007472
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3007602
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3008231
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3008742
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3008966
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3008971
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3008990
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3009088
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3009492
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3010915
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3011066
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3011176
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3011310
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3012209
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3012732
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3012904
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3013493
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3014160
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3015229
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3015530
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3015766
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3016378
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3016921
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3017229
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3017360
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3017860
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3018414
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3018736
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3020360
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3020773
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3021659
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3021666
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3022045
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3022610
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3023143
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3023495
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3023625
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3023709
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3023941
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3024040
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3024107
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3024601
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3025051
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3025220
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3025798
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3026138
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3026741
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3027069
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3027695
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3028271
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3028972
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3029291
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3029443
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3029640
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3029665
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3030179
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3030732
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3030789
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3031149
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3031435
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3031711
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3033134
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3033965
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3034219
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3034862
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3035480
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3036156
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3036667
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3036859
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3036860
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3037456
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3037811
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3038310
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3038909
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3039043
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3039737
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3039844
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3042029
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3042080
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3042833
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3043079
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3043360
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3043435
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3043687
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3044187
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3045143
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3045487
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3045489
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3045523
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3046023
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3046053
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3046414
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3048655
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3050424
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3050425
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3050474
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3051186
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3051373
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3051430
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3051761
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3051970
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3053307
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3053754
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3054035
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3054607
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3055868
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3056778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3057216
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3057251
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3057786
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3057991
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3058555
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3058682
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3058711
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3058735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3058774
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3059200
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3059361
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3059413
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3059472
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3059509
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3059731
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3060094
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3060787
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3060827
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3061082
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3061451
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3061633
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3061634
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3062055
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3062466
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3062676
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3062686
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3063514
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3063807
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3064055
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3064294
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3064304
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3064827
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3064837
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3064839
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3064908
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3064916
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065097
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065201
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065243
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065297
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065302
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065362
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065372
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065507
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065873
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3065888
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3066330
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3066516
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3066969
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3067201
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3067255
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3067310
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3067334
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3067383
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3067477
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3067521
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3067697
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3067964
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068055
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068084
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068115
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068353
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068372
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068396
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068508
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068708
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068876
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3068987
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3069781
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3069801
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070120
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070128
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070196
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070340
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070348
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070490
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070553
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3070610
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070654
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070685
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070757
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3070765
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3071084
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3071261
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3072103
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3072409
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3072545
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3072700
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3072785
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3073030
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3073195
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3073224
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3073297
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3073379
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3073438
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3073540
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3074002
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3074297
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3074468
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3074818
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3075063
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3075427
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3075946
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3075966
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3076095
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3076147
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3076148
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3076313
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3076475
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3076558
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3077128
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3078305
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3078318
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3078519
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3078585
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3078736
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3078763
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3078878
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3078879
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3079774
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3079822
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3079876
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3080089
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3080115
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3080116
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3080223
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3080541
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3080956
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3081204
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3081399
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3081515
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3082373
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3082415
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3082925
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3083658
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3083948
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3084124
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3084257
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3084309
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3084506
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3084541
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3084546
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3084551
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3084796
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3085488
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3085673
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3085681
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3086076
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3086304
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3086383
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3086387
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3087204
(00) 04.05.2019
(00) European Patent got Revoked

(11) EP3087259
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3087763
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3088024
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3088562
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3089751
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3090169
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3090184
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3091260
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3091363
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3091846
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3092041
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3092091
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3092560
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3093239
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3093573
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3093819
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3093971
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3094056
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3094078
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3094174
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3094290
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3094462
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3095313
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3095669
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3096327
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3096866
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3097186
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3097249
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3097757
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3098004
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3098074
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3098559
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3098586
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3098677
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3098961
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3099193
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3100006
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3100635
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3101208
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3101530
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3101674
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3101828
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3101886
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3101980
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3102062
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3102069
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3103305
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3103859
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3104364
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3105120
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3105485
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3105819
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3105859
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3106724
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3106733
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3107083
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3107515
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3107722
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3108025
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3108078
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3108310
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3108351
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3108586
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3108646
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3109001
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3110027
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3110164
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3110210
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3110223
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3110531
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3110971
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3111516
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3111536
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3111956
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3112285
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3112488
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3112831
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3113226
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3113390
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3113466
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3113555
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3113569
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3113724
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3114061
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3114071
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3114191
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3114368
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3114446
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3114506
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3114779
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3114872
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3115566
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3116259
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3116470
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3116578
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3116592
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3116753
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117017
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117141
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117144
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117213
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3117255
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117508
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117536
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117570
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117642
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117694
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117724
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3117850
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3118160
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3118169
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3118297
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3118499
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119007
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119179
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119441
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119496
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119576
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119672
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119750
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119818
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3119891
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3120340
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3120434
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3120496
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121091
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121230
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121242
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121393
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121433
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121631
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121642
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121906
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3121920
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122240
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122456
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122613
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122789
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122823
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122853
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122855
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3122861
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123092
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3123463
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123489
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123632
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123634
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123696
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123794
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123805
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123846
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123847
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123945
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123949
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3123950
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124137
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124167
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124281
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124300
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124364
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124366
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124392
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124831
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124840
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3124894
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3124899
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3125286
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3125627
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3125716
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3125731
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3125829
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126051
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126157
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126295
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126296
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126298
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126538
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126564
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126568
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126577
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126600
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126642
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126680
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3126999
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3127221
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3127322
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3127548
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3127634
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3127899
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3127956
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3128206
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3128525
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3128591
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3128666
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3128881
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3128935
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3130004
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3130300
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3130837
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3130874
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3130893
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3131179
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3131350
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3132222
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3132259
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3132272
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3133311
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3133324
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3133897
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3135130
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3135276
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3135661
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3135833
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3136056
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3136458
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3136583
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3136696
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3136747
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3137322
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3138372
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3138384
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3138452
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3138500
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3138755
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3139573
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3141436
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3141440
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3141891
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3142883
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3143246
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3143331
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3143924
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3144679
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3145272
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3145384
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3145421
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3145473
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3146175
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3146221
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3146267
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3146660
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3146801
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3146892
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3146903
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3147074
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3147502
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3148128
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3148337
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3148782
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3148872
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3149220
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3149412
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3149515
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3149606
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3149761
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3150165
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3150410
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3150495
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3150532
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3151324
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3151327
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3151496
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3152207
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3152208
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3152425
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3152515
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3152642
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3152782
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3152828
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3152829
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3153252
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3153816
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3154852
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3154965
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3154966
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3155389
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3155476
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3156267
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3156438
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3156756
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3156845
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3157133
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3157248
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3157372
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3158782
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3159071
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3159094
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3159557
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3159778
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3159974
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3159975
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3160056
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3160057
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3160322
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3160421
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3160644
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3160967
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3161505
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3161793
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3162608
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3162756
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3163020
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3163269
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3164568
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3165350
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3165360
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3166658
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3167807
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3168292
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3168427
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3168463
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3168713
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3168790
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3169324
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3169960
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3170450
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3170584
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3170793
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3171554
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3171570
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3172133
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3173224
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3173277
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3173579
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3173927
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3175139
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3175717
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3175841
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3176076
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3176087
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3176220
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3176497
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3176609
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3176642
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3176786
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3177555
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3178958
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3179088
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3179498
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3179844
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3180327
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3180404
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3180807
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3180819
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3181180
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3181510
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3181903
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3182472
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3183531
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3183893
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3183901
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3184729
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3184772
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3185085
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3185495
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3186167
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3186509
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3186679
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3187137
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3187300
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3187392
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3187393
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3187670
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3189872
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3190027
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3190216
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3190279
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3190287
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3190369
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3190590
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3190946
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3191218
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3191478
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3192240
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3192508
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3192539
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3192722
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3192820
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3192937
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3193052
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3193485
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3194091
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3195057
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3195543
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3195656
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3195764
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3196651
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3196873
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3196903
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3196912
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3197068
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3197130
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3197280
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3197358
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3197833
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3197851
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3198370
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3198371
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199044
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199050
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199229
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199513
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199546
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199630
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199643
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199775
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3199909
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3199946
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3200558
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3200609
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3201394
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3201815
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3201818
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3202211
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3202819
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3202841
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3203339
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3203398
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3203512
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3204262
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3204500
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3205170
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3205568
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3205595
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3205724
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3206043
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3207122
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3207387
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3207739
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3207822
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3207841
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3207993
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3207996
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3208037
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3208113
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3208153
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3208583
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3208876
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3209079
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3209227
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3209637
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3209746
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3210006
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3210237
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3210941
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3211827
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3211840
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3211966
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3212241
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3212822
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3212913
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3213245
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3213626
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3214087
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3214223
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3214233
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3214466
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3214581
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3214602
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3214874
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3215412
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3215434
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3215482
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3215484
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3215513
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216408
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216516
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216530
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216545
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216627
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216629
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216678
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216749
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3216882
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216903
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216947
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3216979
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217016
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217055
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217074
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217083
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217103
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217293
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217487
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217509
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217739
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217776
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3217846
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3218818
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3219195
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3219274
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3219334
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3219363
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3219458
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3219474
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3219658
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3219773
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3220047
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3220054
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3220249
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3220282
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3220420
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3220514
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3220583
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3221043
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3221187
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3221435
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3221880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3222038
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3222057
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3222148
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3222437
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3222473
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3222834
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3222982
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3223076
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3223085
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3223592
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3224222
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3224387
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3224716
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225037
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225288
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225292
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225434
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225504
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225586
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225687
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225751
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225867
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225869
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225897
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3225908
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3226234
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3226741
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3228537
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3228890
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3229305
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3229321
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3229324
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3229450
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3229976
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3230562
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3230580
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3230618
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3230667
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3230813
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3231043
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3231330
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3231399
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3232093
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3232165
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3232268
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3232554
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3232851
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3233264
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3233737
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3233797
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3234620
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3235180
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3235895
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3236066
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3236196
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3236593
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3236718
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3237281
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3237390
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3237414
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3238356
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3238508
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3238613
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3239126
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3239327
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3239363
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3239395
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3239447
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3239999
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3240002
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3240260
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3240600
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3241102
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3242002
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3242733
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3242859
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3243194
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3243912
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3244035
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3244081
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3244093
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3244649
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3245052
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3245170
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3245317
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3246585
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3246666
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3246671
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3246698
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3247145
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3247537
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3247731
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3247847
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3247880
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3247993
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3248492
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3248913
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3249141
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3249147
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3249891
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3250952
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3251296
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3251835
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3251886
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3251978
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3252002
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3252318
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3252421
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3252534
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3253107
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3253255
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3253378
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3253496
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3254453
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3254551
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3254803
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3254840
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3254890
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3254898
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3255698
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3256344
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3256411
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3256779
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3257319
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3257681
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3257697
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3257961
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3258134
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3258217
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3258243
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3258352
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3258354
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3258588
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3258616
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3259042
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3259193
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3259486
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3259524
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3259988
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3260567
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3260725
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3261137
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3261638
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3261765
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3262117
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3262118
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3262969
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3263148
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3263533
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3264190
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3264316
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3264639
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3264905
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265289
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265333
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265348
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265383
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265513
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265602
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265604
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265733
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3265967
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3266021
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3266054
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3266208
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3266223
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3267158
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3267294
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3267392
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3267521
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3267821
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268048
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268144
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268351
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268439
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268512
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268547
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268561
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268568
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268569
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268570
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268599
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268602
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3268802
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3269060
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3269061
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3269201
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3269452
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3269701
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3270458
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3270709
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3270721
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3270752
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3270835
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271055
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271195
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271238
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271246
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271265
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271409
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271536
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271537
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271559
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271595
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271601
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271674
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271680
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3271681
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271738
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271882
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271895
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271986
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3271991
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3273824
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3273936
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274215
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274259
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274289
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274309
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274310
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274599
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274603
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3274776
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3275135
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3275228
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3275700
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3275884
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3276023
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3276032
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3276077
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277129
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277358
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277444
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277488
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277518
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277522
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277601
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277628
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277853
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3277960
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3278024
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3278149
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3278612
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3278638
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3279193
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3279205
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3280181
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3280297
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3280502
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3280901
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3280902
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3281026
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3281451
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3281534
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3281583
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3282345
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3282625
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3283255
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3283292
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3283373
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3283389
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3283681
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3283690
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3285100
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3285430
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3286029
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3286045
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3286370
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3287708
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3287763
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3287801
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3288429
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3288731
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3288815
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3288902
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3290591
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3290786
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3291352
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3291411
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3293494
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3295126
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3295642
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3295664
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3296315
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3297449
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3297603
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3297871
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3297932
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3298814
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3299123
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3299679
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3299939
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3300145
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3300786
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3301228
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3301318
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3302711
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3303068
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3303144
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3303980
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3305669
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3306320
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3306900
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3307486
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3307603
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3307627
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3307835
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3309378
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3309490
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3310495
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3310697
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3310779
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3311011
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3311023
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3311102
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3312373
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3312615
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3313539
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3314148
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3315204
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3315286
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3316711
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317047
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317121
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317122
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317123
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317247
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317267
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317305
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317470
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317602
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3317956
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3318674
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3318736
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3318752
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3319267
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3319309
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3319497
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3319727
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3319756
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3320007
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3320118
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3320199
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3320567
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3320619
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3321836
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3322854
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3322899
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3323162
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3324479
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3324780
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3325286
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3325287
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3325296
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3325411
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3326224
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3327590
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3328637
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3328698
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3329609
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3330465
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3331398
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3332072
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3332347
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3334742
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3334782
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3335024
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3335045
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3335093
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3335209
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3337649
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3337752
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3338066
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3338423
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3339985
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3340940
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3341143
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3341633
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3343815
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3347300
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3347643
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3348091
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3348111
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3348711
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3349042
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3350876
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3351765
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3353507
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3356166
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3356767
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3359733
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3359734
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3361675
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3367612
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3368817
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3370045
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3373093
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3376691
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3379782
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3382735
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3383767
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3384705
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3386410
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3386851
(00) 08.05.2019

(00) EPV Ceased Effect

(11) EP3387365
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3389339
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3389472
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3390600
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3392496
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3393356
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3393981
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3397167
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3405385
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3405386
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3409031
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3410324
(00) 08.05.2019
(00) EPV Ceased Effect

(11) EP3413204
(00) 08.05.2019
(00) EPV Ceased Effect

VRB

Verbeteringen op eerdere publicaties.
Contains data concerning corrections.

CO

Ingeschreven overdrachten.
Contains data concerning registered assignments or change of owners.

(71) Beretta Industrie S.P.A.
(73) Beretta Industrie S.P.A.
(11) EP3023729
(00) 29.08.2019
(51) F41A 21/30
(00) Change of owner(s) name

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2289757
(00) 29.08.2019
(51) B61L 1/16
(00) Assignment

(71) Altos Computing Inc.
(73) Altos Computing Inc.
(11) EP2472402
(00) 29.08.2019
(51) G06F 11/30
H04L 12/24
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2443015
(00) 29.08.2019
(51) B61L 3/12
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP1945971
(00) 29.08.2019
(51) F16H 25/20
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2663483
(00) 29.08.2019
(51) B61L 27/00
B61L 23/32
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP1796059
(00) 29.08.2019
(51) G08G 1/123
G01S 5/14
G07B 15/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2619066
(00) 29.08.2019
(51) B61L 17/02
B61J 3/02
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP1902437
(00) 29.08.2019
(51) G08G 1/095
H05B 33/08
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2694351
(00) 29.08.2019
(51) B61L 3/24
B61L 23/22
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP1647462
(00) 29.08.2019
(51) B61D 3/10
B61G 5/02
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2477863
(00) 29.08.2019
(51) B61D 17/06
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2223841
(00) 29.08.2019
(51) B61D 17/04
B61D 17/08
B61D 1/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2686222
(00) 29.08.2019
(51) B61L 1/16
B61L 7/06
B61L 11/08
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2250044
(00) 29.08.2019
(51) H02M 5/44
B60M 3/00
H02M 5/14
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2802502
(00) 29.08.2019
(51) B61L 1/20
B61L 9/04
B61L 11/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2834094
(00) 29.08.2019
(51) B60H 1/34
B61D 27/00
B61D 17/08
B61D 17/12
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2903879
(00) 29.08.2019
(51) B61L 25/02
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2849986
(00) 29.08.2019
(51) B61L 21/04
B61L 19/06
B61L 27/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2403745
(00) 29.08.2019
(51) B61L 1/18
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2788242
(00) 29.08.2019
(51) B61D 29/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2812227
(00) 29.08.2019
(51) B61L 27/00
B61L 15/00
H04W 64/00
G08G 1/123
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2729342
(00) 29.08.2019
(51) B61K 7/02
B61K 7/04
B61K 7/00
B61K 7/08
B60T 17/22
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2900538
(00) 29.08.2019
(51) G01R 31/44
H05B 39/04
H05B 39/09
B61L 1/20
B61L 7/10
B61L 5/18
B61L 29/30
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2804798
(00) 29.08.2019

(51) B61L 19/06
B61L 27/00
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2900539
(00) 29.08.2019
(51) B61L 29/24
B61L 5/18
B61L 1/20
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2755844
(00) 29.08.2019
(51) B60L 1/00
B61D 49/00
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2883022
(00) 29.08.2019
(51) B61L 23/04
B61L 25/02
B61L 3/06
B61L 23/00
G01H 9/00
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2279480
(00) 29.08.2019
(51) G06F 21/55
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2707268
(00) 29.08.2019
(51) B61J 3/06
B61L 17/02
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2745205
(00) 29.08.2019
(51) G06F 11/20
G06F 11/14
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2483127
(00) 29.08.2019
(51) B61L 27/00
B61K 9/02
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2718165
(00) 29.08.2019
(51) B61K 7/02
B61L 25/02
B61J 3/02
B61L 17/00
B61K 7/12
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2907119
(00) 29.08.2019
(51) G08C 17/02
H04L 1/08
B61L 3/12
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2956321
(00) 29.08.2019
(51) B60H 1/00
B61D 17/12
B61D 17/18
B61D 27/00
B61D 29/00
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2681097
(00) 29.08.2019
(51) B61L 27/00
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2753527
(00) 29.08.2019
(51) B61D 35/00
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2673179
(00) 29.08.2019
(51) B61L 1/18
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2945831
(00) 29.08.2019
(51) B61L 23/14
B61L 27/00
B61L 21/04
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2718163
(00) 29.08.2019
(51) B61L 1/16
B61L 17/02
B61L 25/02
B61J 3/02
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2945827
(00) 29.08.2019
(51) B61D 1/00
B61D 17/00
B61D 17/18
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2724084
(00) 29.08.2019
(51) E03C 1/02
F24D 17/00
F24D 19/10
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2586178
(00) 29.08.2019
(51) H04L 29/06
H04L 12/22
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2927044
(00) 29.08.2019
(51) B60L 3/00
B60L 9/00
B60L 1/00
H02H 11/00
H02J 3/14
H02M 7/06
H02J 3/46
H02M 7/493
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2945828
(00) 29.08.2019
(51) B61D 1/00
B61D 17/00
B61D 17/18
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP1659019
(00) 29.08.2019
(51) B60M 1/28
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2879934
(00) 29.08.2019
(51) B61L 3/12
B61L 27/00
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2994336
(00) 29.08.2019
(51) B60L 5/20
B60L 3/12
G06K 9/20
G06T 7/00
H04N 5/77
H04N 7/18
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2870663
(00) 29.08.2019
(51) H01R 4/66
H01R 11/12
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2809563
(00) 29.08.2019
(51) B61L 3/12
B61L 17/02
B61L 25/02
B61J 3/06

(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2598391
(00) 29.08.2019
(51) B61D 3/10
B61G 5/02
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3003774
(00) 29.08.2019
(51) B60L 11/18
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2926092
(00) 29.08.2019
(51) G01D 5/353
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2718168
(00) 29.08.2019
(51) B61L 29/28
B61L 29/30
B61L 25/02
B61L 29/32
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2849985
(00) 29.08.2019
(51) B61L 1/16
B61L 1/18
B61L 25/02
B61L 27/00
(00) Assignment

(71) Siemens Mobility GmbH
Paschen, Christian
(73) Paschen, Christian
Siemens Mobility GmbH
(11) EP2239177
(00) 29.08.2019
(51) B61D 27/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3065996
(00) 29.08.2019
(51) B61L 1/02
B61L 7/00
B61L 13/00
B61L 3/12
B61L 29/00
B61L 15/00
(00) Assignment

(71) Siemens Mobility GmbH
Scania CV AB
(73) Scania CV AB
Siemens Mobility GmbH
(11) EP3036127
(00) 29.08.2019
(51) B60L 9/18
B60M 5/02
B60L 5/00
B60L 3/00
B60L 11/18
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2178064
(00) 29.08.2019
(51) G08G 1/16
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2212178
(00) 29.08.2019
(51) B61F 5/44
B61F 5/38
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2867066
(00) 29.08.2019
(51) E06C 1/12
E06C 5/04
B61D 23/02
B60R 3/02
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3074292
(00) 29.08.2019
(51) B61L 5/00
B61L 27/00
G01M 17/08
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2921722
(00) 29.08.2019
(51) F16B 7/18
F16B 37/04
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3145788
(00) 29.08.2019
(51) B61F 5/24
B61K 9/12
B61L 23/04
B61L 25/02
B61L 15/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3024712
(00) 29.08.2019
(51) B61L 5/10
B61L 19/06
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2872354
(00) 29.08.2019
(51) B60L 9/22
B60L 11/18
H02P 7/28
B60L 11/00
B60L 15/20
B61C 3/02
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2577839
(00) 29.08.2019
(51) H02J 7/02
H02J 7/00
H02J 15/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2979951
(00) 29.08.2019
(51) B61D 19/02
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2634063
(00) 29.08.2019
(51) B61D 19/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3167227
(00) 29.08.2019
(51) F21V 7/00
F21V 23/04
F21W 111/02
F21V 5/04
F21Y 115/10
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3126873
(00) 29.08.2019
(51) G01S 17/48
G01S 17/42
B60L 11/18
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2718167
(00) 29.08.2019
(51) B61L 25/02
B61L 17/02
B61L 1/16
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2422518
(00) 29.08.2019
(51) H04N 7/18
B61L 15/00
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3013666
(00) 29.08.2019
(51) B61L 3/12
B61L 23/14
(00) Assignment

(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3142909
(00) 29.08.2019
(51) B60T 17/22
G01D 1/00
G01D 21/00

(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2691282
(00) 29.08.2019
(51) B61L 17/00
B61L 1/18
B61L 23/24
B61L 17/02
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3161389
(00) 29.08.2019
(51) F24H 9/18
F24H 9/02
F24H 9/20
F24H 3/04
B60H 1/22
H01H 37/00
H01H 37/36
H01H 71/00
H02H 5/04
A47K 10/48
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2763883
(00) 29.08.2019
(51) B61D 35/00
(00) Assignment
(71) Teijin Limited
Teijin Pharma Limited
KM Biologics Co., Ltd.
(73) Teijin Pharma Limited
Teijin Limited
KM Biologics Co., Ltd.
(11) EP2851083
(00) 29.08.2019
(51) A61L 27/26
A61L 27/50
A61L 28/00
A61L 29/04
A61L 31/04
A61K 47/38
A61L 15/22
A61L 17/10
A61K 38/00
A61K 9/70
A61K 38/48
A61L 31/14
A61K 38/17
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP3028546
(00) 29.08.2019
(51) H05B 33/08
H05B 37/02
B61L 5/18
(00) Assignment
(71) Siemens Mobility GmbH
(73) Siemens Mobility GmbH
(11) EP2621753
(00) 29.08.2019
(51) B60M 1/26
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2172738
(00) 29.08.2019
(51) G01C 19/28
G08C 23/04
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2068558
(00) 29.08.2019
(51) H04N 5/445
H04N 5/44
H04N 5/76
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2066127
(00) 29.08.2019
(51) H04N 21/4623
H04N 21/426
H04N 21/845
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2177874
(00) 29.08.2019
(51) G08C 19/28
G08C 23/04
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2243272
(00) 29.08.2019
(51) H04L 29/06
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2076029
(00) 29.08.2019
(51) H04N 5/44
H04N 5/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2357813
(00) 29.08.2019
(51) H04N 21/433
H04N 21/472
H04N 5/782
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2391004
(00) 29.08.2019
(51) H03G 3/32
H03G 7/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2364548
(00) 29.08.2019
(51) H04N 5/44
H04N 21/41
H04N 5/765
H04N 21/4363
H04N 21/482
H04N 21/485
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2368358
(00) 29.08.2019
(51) H04N 5/14
H04N 5/76
H04N 21/845
H04N 21/4545
H04N 21/462
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2073534
(00) 29.08.2019
(51) H04N 5/445
(00) Change of owner(s) name
(71) Bio Preventive Medicine Corporation
(73) Bio Preventive Medicine Corporation
(11) EP2391654
(00) 29.08.2019
(51) C07K 16/38
C07K 16/18
C40B 30/00
G01N 33/53
G01N 33/573
G01N 33/68
C07K 14/81
C07K 14/47
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2179411
(00) 29.08.2019
(51) G08C 17/02
(00) Change of owner(s) name
(71) Bio Preventive Medicine Corporation
(73) Bio Preventive Medicine Corporation
(11) EP2623517
(00) 29.08.2019
(51) C07K 16/38
C07K 16/18
C40B 30/00
G01N 33/53
G01N 33/573
G01N 33/68
C07K 14/81
C07K 14/47
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2191649
(00) 29.08.2019
(51) H04N 7/24
(00) Change of owner(s) name
(71) Bio Preventive Medicine Corporation
(73) Bio Preventive Medicine Corporation
(11) EP2391653
(00) 29.08.2019
(51) C07K 16/28
G01N 33/493
G01N 33/53
G01N 33/543
G01N 33/566
G01N 33/68
C07K 14/705

C40B 30/00
G01N 27/00
(00) Assignment
(71) EchoStar Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2661084
(00) 29.08.2019
(51) G11B 27/034
G11B 27/10
G11B 27/34
H04N 21/433
H04N 21/434
H04N 21/472
H04N 21/845
H04N 21/4402
H04N 21/854
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2075932
(00) 29.08.2019
(51) H04H 20/42
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2364546
(00) 29.08.2019
(51) H04H 60/80
H04N 21/4147
H04N 21/4227
H04N 21/4402
H04N 21/4405
H04N 21/442
H04N 21/4623
H04N 21/472
H04N 21/4788
H04N 21/488
H04N 21/4363
H04L 29/08
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2661084
(00) 29.08.2019
(51) G11B 27/034
G11B 27/10
G11B 27/34
H04N 21/433
H04N 21/434
H04N 21/472
H04N 21/845
H04N 21/4402
H04N 21/854
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2206343
(00) 29.08.2019
(51) H04N 7/025
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2532167
(00) 29.08.2019
(51) H04N 13/04
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2362296
(00) 29.08.2019
(51) G06F 1/30
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2681922
(00) 29.08.2019
(51) H04N 21/41
H04N 21/434
H04N 21/4722
H04N 21/858
G06F 17/30
H04N 21/462
G06K 19/06
H04N 21/61
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2432218
(00) 29.08.2019
(51) H04N 13/04
H04N 9/31
H04N 21/41
H04N 13/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2660819
(00) 29.08.2019
(51) G11B 27/034
G11B 27/10
G11B 27/34
H04N 21/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2214398
(00) 29.08.2019
(51) H04N 5/14
G11B 27/10
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2510684
(00) 29.08.2019
(51) H04N 5/76
H04N 5/92
H04N 9/82
H04N 5/775
H04N 5/782
H04N 21/4147
H04N 21/441
H04N 21/4415
H04N 21/466
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2443825
(00) 29.08.2019
(51) H04N 5/76
H04N 5/14
H04N 21/439
H04N 21/454
H04N 21/81
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2752022
(00) 29.08.2019
(51) H04N 21/4227
H04N 21/422
H04N 5/44
(00) Change of owner(s) name
(71) EchoStar Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2532167
(00) 29.08.2019
(51) H04N 13/04
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2355498
(00) 29.08.2019
(51) H04N 5/782
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2532168
(00) 29.08.2019
(51) H04N 13/04
G02B 27/22
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2348480
(00) 29.08.2019
(51) G05B 19/00
G08B 1/00
G06Q 10/06
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2681856
(00) 29.08.2019
(51) H04B 17/23
H04B 17/318
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2681908
(00) 29.08.2019
(51) H04N 5/765
H04N 21/45
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2061239
(00) 29.08.2019
(51) H04N 5/76
G11B 27/00
H04N 5/783
G11B 27/10
G11B 27/30
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2056227
(00) 29.08.2019
(51) G06F 1/14
G06F 21/10
G06F 21/72
G06F 1/04

(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2586192
(00) 29.08.2019
(51) H04N 21/258
H04N 21/442
H04N 21/61
H04N 21/658
H04L 12/24
H04L 12/26
H04B 17/373
H04N 17/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2761883
(00) 29.08.2019
(51) H04N 21/422
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2164192
(00) 29.08.2019
(51) H04H 40/90
H04N 7/20
(00) Change of owner(s) name
(71) EchoStar Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2660819
(00) 29.08.2019
(51) G11B 27/034
G11B 27/10
G11B 27/34
H04N 21/00
(00) Assignment
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2710810
(00) 29.08.2019
(51) H04N 21/422
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2890081
(00) 29.08.2019
(51) H04L 29/06
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2186297
(00) 29.08.2019
(51) H04N 21/242
H04N 21/43
H04L 29/08
(00) Change of owner(s) name
(71) NIPPON STEEL NISSHIN CO., LTD.
(73) NIPPON STEEL NISSHIN CO., LTD.
(11) EP3090991
(00) 29.08.2019
(51) C04B 5/00
C01B 25/01
C01B 25/32
C04B 5/06
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2221791
(00) 29.08.2019
(51) G08C 17/02
G08C 23/04
G08C 19/28
H04N 21/422
H04N 21/6547
H04N 21/658
H04N 21/436
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2057630
(00) 29.08.2019
(51) G11B 27/00
G11B 27/28
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2348408
(00) 29.08.2019
(51) G06F 9/54
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2308203
(00) 29.08.2019
(51) H04L 29/06
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2230841
(00) 29.08.2019
(51) H04N 5/77
H04N 5/00
H04H 60/33
H04N 21/4223
H04N 21/4415
H04H 60/45
H04N 21/422
H04N 21/433
H04N 21/442
H04N 21/443
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2645203
(00) 29.08.2019
(51) G06F 1/30
G06F 1/26
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP3195426
(00) 29.08.2019
(51) H01R 43/26
H01R 13/62
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2750398
(00) 29.08.2019
(51) H04N 21/426
H04N 21/438
H04N 5/50
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2594084
(00) 29.08.2019
(51) H04N 5/44
G06F 3/02
G06F 3/023
G06F 3/042
H04N 5/445
H04N 21/422
G06F 3/03
G06F 3/0354
H04N 21/4782
(00) Change of owner(s) name
(71) Trustees of Boston University
(73) Trustees of Boston University
(11) EP2158476
(00) 29.08.2019
(51) G01N 27/00
C12Q 1/68
B81C 1/00
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2777293
(00) 29.08.2019
(51) H04W 4/80
H04Q 9/00
H04B 7/24
H04L 29/08
G08C 17/02
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2731329
(00) 29.08.2019
(51) H04N 5/445
H04L 12/28
H04N 21/482
(00) Change of owner(s) name
(71) DISH Technologies L.L.C.
(73) DISH Technologies L.L.C.
(11) EP2666304
(00) 29.08.2019
(51) H04N 21/422
(00) Change of owner(s) name
(71) Tessa Therapeutics Ltd.
(73) Tessa Therapeutics Ltd.
(11) EP3265555
(00) 09.09.2019
(51) C12N 5/0783
(00) Change of Legal Entity
(71) Philipp Kevin Mair
(73) Philipp Kevin Mair
(11) EP2828482
(00) 30.08.2019
(51) F01C 1/344
F01C 1/356
F01C 21/10
F02B 53/00
(00) Assignment
(71) Cornell Research Foundation, Inc.
(73) Cornell Research Foundation, Inc.
(11) EP1572445
(00) 02.09.2019
(51) B32B 5/16
G01N 33/553
C09K 11/02

H01L 33/00
(00) Assignment

(71) Hokuetsu Corporation
(73) Hokuetsu Corporation
(11) EP2422866
(00) 03.09.2019
(51) D21H 13/10
D21H 13/40
D21H 27/08
B01D 39/16
B01D 39/20
(00) Change of owner(s) name

(71) Hudson I.P. B.V.
(73) Hudson I.P. B.V.
(11) 2011596
(00) 30.08.2019
(51) B60K 6/20
B60K 6/46
(00) Assignment

(71) Matthews International GmbH
(73) Matthews International GmbH
(11) EP1306210
(00) 30.08.2019
(51) B41F 13/08
B65H 75/24
B41F 13/10
(00) Assignment

(71) Matthews International GmbH
(73) Matthews International GmbH
(11) EP2701858
(00) 30.08.2019
(51) B21B 37/62
B21B 37/64
H01M 4/04
(00) Assignment

(71) Weinor GmbH & Co. KG
(73) Weinor GmbH & Co. KG
(11) 1041910
(00) 30.08.2019
(51) E06B 3/54
E06B 7/082
(00) Assignment

(71) Hokuetsu Corporation
(73) Hokuetsu Corporation
(11) EP2987544
(00) 03.09.2019
(51) B01D 39/20
D04H 1/4218
D04H 1/542
D21H 13/10
D21H 13/40
F24F 7/00
(00) Change of owner(s) name

(71) Nopixglobal AG
(73) Nopixglobal AG
(11) EP3282840
(00) 03.09.2019
(51) A01M 29/28
(00) Assignment

TVH

Topografieën van halfgeleiderproducten.
Contains data concerning Semiconductors.