Nummer 02/20 13 januari 2020

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:
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ING 0705001296
Iban: NL41INGB070500129
BIC: INGBNL2A

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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.	14	**Heading NP2** Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	14
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	20	**Heading NP3** Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	20
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	21	**Heading EP1** Contains data concerning translations of the conclusions of European patent applications.	21
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	22	**Heading EP2** Contains data concerning European patents granted for The Netherlands.	22
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.	291	**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.	291
Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzgde Europese octrooien.	354	**Heading EP4** Contains data concerning European patents granted in amended form for the Netherlands.	354
Rubriek EP5 Bevat gegevens betreffende voor Nederland verleende gewijzigde	356	**Heading EP5** Contains data concerning European patents granted in amended form for	356

Europese octrooien waarvoor een gewijzigde vertaling is ingediend.

The Netherlands in which an amended translation was filed.

Rubriek SPC 358 **Heading SPC** 358

Bevat gegevens betreffende ingeschreven en verleende certificaten

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

Rubriek VB1 359 **Heading VB1** 359

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 361 **Heading VB2** 361

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 362 **Heading MED** 362

Bevat gegevens betreffende overige mededelingen.

Contains data concerning other communications.

Rubriek VRV 363 **Heading VRV** 363

Bevat gegevens betreffende verval of nietigverklaring.

Contains data concerning lapse or annulment.

Rubriek VRB 422 **Heading VRB** 422

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

Contains data concerning corrections on earlier publications.

Rubriek CO 423 **Heading CO** 423

Bevat gegevens betreffende wijzigingen in het octrooiregister.

Contains data concerning changes in the Netherland patent register.

Rubriek TVH 426 **Heading TVH** 426

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) A01C 23/04
A01M 7/00
B05B 5/03
(21) 2021144
(22) 18.06.2018
(54) Besproeiingsinrichting en werkwijze voor het besproeien van gewassen
(71) Buisman Beheer
(74) ir. H.A. Witmans c.s.
(72) Jan Hendrik Tacoma Buisman
(41) 06.01.2020

(51) A01D 44/00
(21) 1042923
(22) 02.07.2018
(54) Waterplantendraadzaag
(71) ir. Jan Kollen
(72) ir. Jan Kollen
(41) 07.01.2020

(51) A01D 46/30
(21) 2021207
(22) 29.06.2018
(54) HARVESTING DEVICE
(71) Stichting Wageningen Research
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Engelbertus Willem Karruppannan
Antonius Petrus Marie Tielen
Ruud Barth
Bart Adrianus Johannes van Tuijl
(41) 07.01.2020

(51) A01D 90/10
(21) 2021232
(22) 03.07.2018
(54) Loader wagon and method for unloading a loader wagon
(71) SV Group B.V.
(74) ir. H.A. Witmans c.s.
(72) Geuchien Gerard Rumpt
Tom Molendijk
Gerben Te Raa
Mark Hoving
(41) 08.01.2020

(51) A01J 5/04
A01J 5/08
(21) 2021181
(22) 26.06.2018
(54) TEPELVOERING VOOR EEN MELKBEKER VAN EEN MELKINSTALLATIE, MELKBEKER EN INSTALLATIE VOORZIEN DAARVAN, EN WERKWIJZE DAARVOOR
(71) Hokofarm Group B.V.
(74) ir. P.J. Hylarides c.s.
(72) Jan Slager
(41) 06.01.2020

(51) A01K 1/035
A01K 45/00
(21) 2021154
(22) 19.06.2018
(54) Trolley for transporting animals, in particular poultry such as day old chicks
(71) André van Olst B.V.
Heering Group B.V.
(74) ir. F.A. Geurts c.s.
(72) Dries van Olst
Patrick Heering
(41) 06.01.2020

(51) A01K 43/00
A01K 45/00
(21) 2021159
(22) 20.06.2018
(54) EGG HANDLING SYSTEM
(71) Viscon B.V.
(74) ir. P.J. Hylarides c.s.
(72) Anthony Visser
(41) 06.01.2020

(51) A01L 15/00
A01L 13/00
(21) 2021162
(22) 21.06.2018
(54) A hoof treatment device and a method for immobilizing at least one leg of an animal in such a hoof treatment device
(71) Frank Gerardus Henricus Hochstenbach
(74) ir. C.G.C. Veldman-Dijkers
(72) Frank Gerardus Henricus Hochstenbach
(41) 06.01.2020

(51) A23N 12/02
B07B 1/16
B07B 13/07
(21) 2021200
(22) 28.06.2018
(54) Sorteerinrichting
(71) Graafstra Appelscha B.V.
(74) ir. F.A. Geurts c.s.
(72) Onno Graafstra
Frans Homan
(41) 07.01.2020

(51) A24D 1/02
(21) 1042914
(22) 26.06.2018
(54) Vloeitje, werkwijze voor het vervaardigen daarvan en verpakking bevattende vloeitjes
(71) Euro Papers V.O.F.
(72) Kevin Menno Bosma
Thierry van Bel
(41) 06.01.2020

(51) A41D 13/06
(21) 2021227
(22) 03.07.2018
(54) Attachable knee protector
(71) Haydar Ali Battaloglu
(74) mr. ir. J. van Breda c.s.
(72) Haydar Ali Battaloglu
(41) 08.01.2020

(51) A47C 1/124
(21) 2021170
(22) 22.06.2018
(54) Samenstel van twee door middel van een koppelstuk ten opzichte van elkaar gefixeerde en naast elkaar aanwezige stoelen
(71) Lambertus Jacobus Berbers
(74) ir. G.J.M. Verhees
(72) Lambertus Jacobus Berbers
(41) 06.01.2020

(51) A47C 17/00
(21) 2024056
(22) 18.10.2019
(54) AN INTELLIGENT SOFA
(71) Nanjing Enwell Technology Service Co., Ltd.
(74) ir. H.A. Witmans c.s.
(72) Xianfeng Wu
Guiyu Li
(31) 201811217134.3
(32) 18.10.2018
(33) China

(51) A47C 21/08
(21) 2024057
(22) 18.10.2019
(54) SMART ANTI-FALLING BED
(71) Nanjing Enwell Technology Service Co., Ltd.
(74) ir. H.A. Witmans c.s.
(72) Xianfeng Wu
Guiyu Li
(31) 201811217888.9
(32) 18.10.2018
(33) China

(51) A47F 5/11
(21) 2021190
(22) 27.06.2018
(54) lnrichting voor het presenteren van producten en het gebruik daarvan
(71) POZO NEGRO BEHEER B.V.
(74) ir. H.Th. van den Heuvel c.s.
(72) Johannes Leonardus Martinus Hol
(41) 06.01.2020

(51) A47K 13/30
(21) 2021182
(22) 26.06.2018
(54) APPARATUS FOR REMOVING UNPLEASANT ODOURS IN A TOILET
(71) Wensley Steven Blanker
(74) ir. P.J. Hylarides c.s.
(72) Wensley Steven Blanker
(41) 06.01.2020

(51) A61B 5/0215
A61B 5/00
A61M 25/00
(21) 2021208
(22) 29.06.2018

(54) PRESSURE SENSOR MICROCATHETER SYSTEM, AND ASSOCIATED METHODS
(71) Wellinq Medical B.V.
(74) ir. P.J. Hylarides c.s.
(72) Richard Dirks
Hendrik Hartholt
Jeroen Lanting
Rudolf Teunis Mulder
Jan Remke Schoemaker
Robert Splinter
Ronald Arthur van den Broek
(41) 07.01.2020

(51) A61B 17/14
A61B 17/15
A61B 17/88
A61B 17/00
B23D 57/02
(21) 2021191
(22) 27.06.2018
(54) A tool system for removing prosthetic cement from a bone of a patient undergoing a joint prosthesis replacement operation
(71) UMC Utrecht Holding B.V.
(74) ir. P.J. Hylarides c.s.
(72) Bart Cornelis Hendrikus van der Wal
Henri Charles Vogelij
Hermannus Hendricus Weinans
Lucas Alphonsus Maria Evers
(41) 06.01.2020

(51) A61B 17/43
(21) 2021153
(22) 19.06.2018
(54) Intravaginal conception assistance device, kit of parts, and method
(71) Rosesta Medical B.V.
(74) ir. H.A. Witmans c.s.
(72) Robert Sebastian Stal
(41) 06.01.2020

(51) A61F 2/16
(21) 2023333
(22) 17.06.2019
(54) Accommodating lens for sulcus plane and capsular bag
(71) AKKOLENS INTERNATIONAL B.V.
(74) ir. H.Th. van den Heuvel c.s.
(72) Willem Pieter van Lawick
Aleksey Nikolaevich Simonov
Michiel Christiaan Rombach
(31) 2021184
(32) 26.06.2018
(33) Netherlands

(51) A61F 9/007
(21) 2021140
(22) 18.06.2018
(54) Steerable Ophthalmic Probe comprising Actuation Assembly
(71) Crea IP B.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Adriaantje Coliene Dam-Huisman
(41) 06.01.2020

(51) A61F 13/02
A61F 13/00
A61M 1/00
(21) 2021186
(22) 26.06.2018
(54) Intelligent cap for skin tissue treatment
(71) Icap Holding B.V.
(74) dr. A. Ellens c.s.
(72) Louis John Zondag
Harm Jaap Smit
Oscar Beijert
(41) 06.01.2020

(51) A61G 3/08
(21) 2021220
(22) 02.07.2018
(54) Wheelchair floor clamp
(71) Willaarts + Willaarts Makelaars en Taxateurs in Onroerende Goederen B.V.
(74) ir. H.A. Witmans c.s.
(72) Jacques Willaarts
(41) 07.01.2020

(51) A61J 9/00
A61J 11/00
(21) 1042913
(22) 26.06.2018
(54) Zuigfles met een plastic buitenfles en een glazen binnenfles, die met elkaar verbonden zijn via een siliconen verbindingsring en een montagering
(71) Q.P. Tramm
(72) Quinn Paul Tramm
(41) 06.01.2020

(51) A61K 31/506
A61K 31/519
A61K 31/5377
A61P 35/00
A61K 45/06
G01N 33/574
(21) 2021185
(22) 26.06.2018
(54) Combination Therapy and Use Thereof for Treating Cancer
(71) Stichting Het Nederlands Kanker Instituut-Antoni van Leeuwenhoek Ziekenhuis
(74) ir. A. Blokland c.s.
(72) Rene Bernards
Cun Wang
(41) 06.01.2020

(51) A61M 5/168
A61M 5/20
G01F 23/292
(21) 2021179
(22) 26.06.2018
(54) FILL LEVEL DETECTION IN PLUNGER FLUID CONTAINERS
(71) ERIKS N.V.
(74) ir. J.P.E. Brants
(72) Paul Johan van der Stigchel
(41) 06.01.2020

(51) A61N 1/39
B60L 53/30
G07B 15/02
(21) 1042921
(22) 29.06.2018
(54) Systeem omvattende een straatmeubel, zoals een laadpaal of een parkeerautomaat, en een AED inrichting
(71) Marcel Henricus Bernardus Mattijssen
(72) Marcel Henricus Bernardus Mattijssen
(41) 07.01.2020

(51) A62C 3/16
(21) 2021177
(22) 26.06.2018
(54) Brandwerende inrichting, brandwerende scheiding voorzien van brandwerende inrichting en werkwijze voor het renoveren van een wand voorzien van een doorvoeropening voor het doorvoeren van een arrangement voor het realiseren van de brandwerende scheiding.
(71) Firenzo B.V.
(74) ir. A. Blokland c.s.
(72) Ernie Jozef Johan Terwijn
(41) 06.01.2020

(51) A62D 1/00
A62C 11/00
A62C 31/03
A62C 35/02
(21) 2021172
(22) 25.06.2018
(54) Fire extinguishing spray bottle
(71) EcoXtinguish B.V.
(74) mr. ir. J. van Breda c.s.
(72) Bart de Jonge
(41) 06.01.2020

(51) A63H 33/42
(21) 1042906
(22) 20.06.2018
(54) Slider
(71) Mattheijs Adriaan Platier
(72) Mattheijs Adriaan Platier
Ruben Platier
(41) 06.01.2020

(51) B01D 61/02
B01D 61/04
B01D 61/12
B01D 61/58
B01D 65/02
(21) 2022170
(22) 11.12.2018
(54) Werkwijze en inrichting voor het bedrijven van een omgekeerde osmose (RO) proces voor het behandelen van een processtroom
(71) Wafilin Systems B.V.
(74) ir. P.J. Hylarides c.s.
(72) Harm Dalfsen
Thomas Roersma
(41) 08.01.2020
(31) 2021235
(32) 03.07.2018
(33) Netherlands

(51) B01D 61/14
B01D 61/22
B01D 61/58
B01D 65/02
(21) 2022169
(22) 11.12.2018
(54) Werkwijze en inrichting voor het bedrijven van een ultrafiltratie (UF) proces voor het behandelen van een processtroom
(71) Wafilin Systems B.V.
(74) ir. P.J. Hylarides c.s.
(72) Harm van Dalfsen
Thomas Roersma
(41) 08.01.2020
(31) 2021234
(32) 03.07.2018
(33) Netherlands

(51) B01J 19/16
C02F 1/68

(21) 1043493
(22) 03.12.2019
(54) INDUSTRIAL WATER-SAVING AGENT AND PREPARATION METHOD THEREOF
(71) Shandong Qishideng Lubrication Technology Co., Ltd.
(74) dr. J. van Straaten
(72) Wenting Li
Hongqiang Li
Lijia Zhang
Yanhan Li

(51) B01L 3/00
(21) 2021377
(22) 23.07.2018
(54) INTERPOSER WITH FIRST AND SECOND ADHESIVE LAYERS
(71) Illumina, Inc
(74) ir. P.J. Hylarides c.s.
(72) Maxwell Zimmerley
Shane Bowen
Steven H. Modiano
Dajun Yuan
Randall Smith
Arthur J. Pitera
Hai Quang Tran
Gerald Kreindl
Qiang LiangLiang
(41) 08.01.2020
(31) 62/693,762
(32) 03.07.2018
(33) United States of America

(51) B05B 1/30
B05C 5/02
B05C 11/10
F16K 23/00
(21) 2021163
(22) 21.06.2018
(54) Dispensing nozzle for a Coater
(71) SUSS MicroTec Lithography GmbH
(74) ir. J.C. Volmer c.s.
(72) Kader Mekias
(41) 06.01.2020

(51) B29B 15/12
B29C 70/56
B33Y 30/00
(21) 2021152
(22) 19.06.2018
(54) Device and method for continuous extrusion-based fibre additive manufacturing
(71) CEAD B.V.
(74) ir. A. Blokland c.s.
(72) Maarten Jan Logtenberg
Lucas Leonard Albertus Janssen
(41) 06.01.2020

(51) B32B 5/32
B32B 27/06
E04B 1/38
E04B 1/80
E04B 1/90
E04B 7/22
E04D 3/36
E04D 13/16
E04B 7/00
(21) 2024423
(22) 11.12.2019
(54) Werkwijze voor het isoleren van een dakconstructie van een bouwwerk en isolatiepaneel voor toepassing in een dergelijke werkwijze.
(62) 2021134
(71) IsoBouw Systems B.V.
(74) ir. A. Blokland c.s.
(72) Petrus Frederikus Maria Rensen
Hugo Alexander Smits
Franciscus Gerardus Maria Knippers
Petrus Henricus Johannes van der Burgt

(51) B60B 29/00
B23P 19/02
(21) 1042924
(22) 29.06.2018
(54) Inrichting om wielen van afvalcontainers te demonteren en voor het scheiden van de verschillende materiaalsoorten
(71) INNOTECH KRAMER VOF
(72) Bertus Alexander Kramer
(41) 06.01.2020

(51) B60D 1/52
(21) 2021585
(22) 07.09.2018
(54) AFNEEMBARE KOPPELINRICHTING VOOR AANHANGERS AAN VOERTUIGEN EN BIJBEHORENDE ONTGRENDELINGSINRICHTING
(71) HERMANOS SANCHEZ LAFUENTE, S.A.
(74) ir. H.Th. van den Heuvel c.s.
(72) Francisco Sanchez Lafuente Ayala
(31) U201830994
(32) 27.06.2018
(33) Spain

(51) B60L 8/00
(21) 2021173
(22) 25.06.2018
(54) Electric or hybrid vehicle comprising a solar panel.
(71) Atlas Technologies Holding B.V.
(72) Rohit Algeri
(41) 06.01.2020

(51) B60R 9/055
E05B 63/14
(21) 2021189
(22) 27.06.2018
(54) Dakkoffer
(71) VDL Hapro B.V.
(74) ir. A. Blokland c.s.
(72) Cornelia Maria Jacobus van Tilburg-Nieuwenhuize
Michael Meissner
(41) 06.01.2020

(51) B62B 7/08
(21) 2023365
(22) 24.06.2019
(54) Automatically collapsible stroller frame
(71) ZHONGSHAN KINGMOON CHILDREN PRODUCTS CO., LTD.
(74) ir. J.C. Volmer c.s.
(72) Shunping Yang
(31) 201810647800.0
PCT/CN2018/094789
(32) 22.06.2018
06.07.2018
(33) China
China

(51) B63B 27/10
B63B 35/00
B66C 23/52
E02B 17/00
E02B 17/02
(21) 2021201
(22) 28.06.2018
(54) Method for installation of an offshore structure using one or more cranes
(71) Holding OOS II B.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Leon Overdulve
Stefan van Mierlo
Thijs Nagtegaal
Roel Diekerhof
(41) 07.01.2020

(51) B63B 27/14
B63B 27/30
B66F 11/04
E01D 15/24
(21) 2021225
(22) 02.07.2018
(54) Motion compensated transfer system, vessel and use thereof
(71) Safeway B.V.
(74) ir. H.A. Witmans c.s.
(72) Gerbrand August Wijnand van Aalst
(41) 07.01.2020

(51) B63B 35/00
B63B 35/00
(21) 2021166
(22) 21.06.2018
(54) Method And Vessel For Deploying Heavy Objects
(71) Ulstein Design & Solutions B.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Dolf Arnold Manschot
(41) 06.01.2020

(51) B63B 35/00
B66C 23/18
E02B 17/02
F03D 13/10
F03D 13/40
(21) 2021157
(22) 20.06.2018
(54) Wind turbine installation method
(71) Heerema Marine Contractors Nederland SE
(74) ir. J.C. Volmer c.s.
(72) Thijs Johannes Sebastianus Vervoort
Erik Fredericus Maria van Hintum
(41) 06.01.2020

(51) B65D 17/32
B65D 17/34
B65D 39/16
(21) 1042918
(22) 28.06.2018
(54) Geïntegreerde afsluit-lip-5 voor het openen en afsluiten van de drinkblikken
(71) Mobitel Nederland
(72) Joop Dekker
(41) 07.01.2020

(51) B65D 75/52
B65D 75/58
B65D 75/00
(21) 2021221
(22) 02.07.2018
(54) Assembly and method for preserving and dispensing a consumable food substance
(71) ALRO B.V.

(74) ir. H.Th. van den Heuvel c.s.
(72) Yasin El Bouzidi
Wilhelmina Walthera Maria Peeters
(41) 07.01.2020

(51) B65D 88/34
B65D 88/40
(21) 2021168
(22) 22.06.2018
(54) A method for performing an operation on a storage tank
(71) Jeffrey Faber
(74) ir. W.J.J.M. Kempes
(72) Jeffrey Faber
(41) 06.01.2020

(51) B65G 47/82
B65G 47/88
(21) 2023356
(22) 21.06.2019
(54) Inrichting en werkwijze voor het vormen van patronen van dozen
(71) Moba Group B.V.
(74) ir. H.A. Witmans c.s.
(72) Simon Jan Verkuijl
(31) 18020277.2
(32) 25.06.2018
(33) European Patent Office (EPO)

(51) B65H 1/04
B42F 7/10
(21) 2021165
(22) 21.06.2018
(54) INRICHTING VOOR HET HOUDEN VAN LOSSE VELLEN
(71) SDS
Logisticwork
(74) ir. M.B. Plaggenborg
(72) Rutger Laurens Sijtstra
(41) 06.01.2020

(51) B65H 75/12
B65H 75/22
B65H 75/24
(21) 2021192
(22) 27.06.2018
(54) Cable reel for heavy-duty electric cable
(71) Mammoet Holding B.V.
(74) mr. ir. J. van Breda c.s.
(72) Johannes Marinus Adrianus van Wees
(41) 06.01.2020

(51) B66C 1/34
(21) 2021139
(22) 18.06.2018
(54) Lifting tool
(71) High Performance Lifting Equipment B.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Boris Harold Johan van der Kolk
(41) 06.01.2020

(51) B66C 13/08
B66C 1/10
B66C 1/66
B66C 13/06
(21) 2021143
(22) 18.06.2018
(54) Werkwijze en inrichting voor het richten van een last die door hijskabels aan een kraan opgehangen is
(71) Stinis Beheer B.V.
(74) ir. P.J. Hylarides c.s.
(72) Cornelis Stinis
(41) 06.01.2020

(51) B66F 9/20
B66F 3/46
B66F 7/20
(21) 2021228
(22) 03.07.2018
(54) Mobile lifting column, lifting system comprising one or more of such lifting columns, and method for lifting a vehicle
(71) Stertil B.V.
(74) ir. P.J. Hylarides c.s.
(72) Jurjen de Jong
(41) 08.01.2020

(51) C02F 1/28
C02F 1/32
C02F 1/34
C02F 1/38
C02F 1/44
C02F 1/72
C02F 1/74
C02F 1/78
C02F 9/00
(21) 2021149
(22) 19.06.2018
(54) Method and system for the purification of contaminated water
(71) Indra Scientific SA
(74) ir. J.C. Volmer c.s.
(72) Yuriy Zabulonov
Vadym Kadoshnikov
Oleksandr Puhach
Volodymyr Krasnoholovets
Ivan Gandzha
(41) 06.01.2020

(51) C03B 17/06
C03C 3/068
(21) 2021322
(22) 17.07.2018
(54) CONTINUOUS METHODS OF MAKING GLASS RIBBON AND AS-DRAWN GLASS ARTICLES FROM THE SAME
(71) Corning Incorporated
(74) ir. P.J. Hylarides c.s.
(72) Thierry Luc Alain Dannoux
Vladislav Yuryevich Golyatin
Randy Lee Rhoads
(41) 06.01.2020
(31) 62/691,031
(32) 28.06.2018
(33) United States of America

(51) C04B 18/24
C04B 14/06
C04B 28/04
(21) 2021223
(22) 02.07.2018
(54) METHOD FOR PRODUCING CONCRETE BASED ON VEGETAL AGGREGATE
(71) Jacobus Gerhard Nicolaas Schotanus
Johannes Cornelis Willemsen
(74) ir. J.H. de Hoog
(72) Jacobus Gerhard Nicolaas Schotanus
(41) 07.01.2020

(51) C07C 2/34
C07D 213/24
C07F 5/00
C07F 5/02
C07F 5/06
C07F 7/00
C07F 7/28
C07F 9/58
C07F 11/00
C07F 13/00
C07F 15/00
C07F 15/06
(21) 2023317
(22) 14.06.2019
(54) METHOD AND CATALYST FOR SELECTIVE OLIGOMERIZATION OF ETHYLENE
(71) Petrochina Company Limited
(74) ir. P.J. Hylarides c.s.
(72) Buwei Yu
Tao Jiang
Sihan Wang
Hongling Chu
Yan Jiang
Hongliang Huo
Xianming Xu
Libo Wang
Huaiqi Shao
Yali Wang
Yuanyuan Cao
Tong Liu
Kecun Ma
Fuling Huang
Xiuhui Wang
Enhao Sun
Yulong Wang
(31) 201810648359.8
(32) 22.06.2018
(33) China

(51) C12C 1/067
G01N 22/04
G01R 27/06
G05B 17/02
(21) 2021212
(22) 29.06.2018
(54) APPARATUS FOR CONTROL OF DRYING PROCESS DURING KILNING
(71) Holland Malt B.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Edwin Evers
Martijn van Iersel
(41) 07.01.2020

(51) C12Q 1/6825
C12Q 1/6869
G16B 30/00
(21) 2021376
(22) 23.07.2018
(54) SENSOR AND SENSING SYSTEM
(71) Illumina, Inc
(74) ir. P.J. Hylarides c.s.
(72) John Moon
(41) 06.01.2020
(31) 62/692,468
(32) 29.06.2018
(33) United States of America

(51) D06F 57/00
(21) 1042916
(22) 27.06.2018
(54) Hulpstuk voor het drogen en/of luchten van een voorwerp van flexibel materiaal, omvattende afstandselementen ten behoeve van betere toetreding van omgevingslucht en/of wind tot dat voorwerp

(71) M. Aardeland
(72) M. Aardeland
(41) 06.01.2020

(51) E03D 5/02
E03D 1/012
(21) 2021605
(22) 11.09.2018
(54) Nis voor montage in een opening in een wand
(71) Easy Sanitary Solutions B.V.
(74) ir. B.J. 't Jong
(72) Jurgen Hendrik Peter Joseph Keizers
(41) 06.01.2020
(31) 2021193
(32) 27.06.2018
(33) Netherlands

(51) E03D 11/12
(21) 2021180
(22) 26.06.2018
(54) Toiletinrichting
(71) Abdelhamid Kerkouri
(74) ir. P.J. Hylarides c.s.
(72) Abdelhamid Kerkouri
(41) 06.01.2020

(51) E03F 5/10
(21) 2023362
(22) 22.06.2019
(54) Regenwatertank
(71) M.H.C. NV
(74) ir. R. Wijnstra
(72) Luc Vandebeek
(31) 2018/0079
(32) 28.06.2018
(33) Belgium

(51) E04G 23/02
(21) 2021384
(22) 24.07.2018
(54) Tensioning device
(71) B+BTec International B.V.
(74) ir. J.C. Volmer c.s.
(72) Robert Gerrit Willem van den Boogaart
(31) 20 2018 002 871.1
(32) 20.06.2018
(33) Germany

(51) E04H 6/08
(21) 1043061
(22) 31.10.2018
(54) PARKING INSTALLATION
(71) Amber International B.V. (voorheen P33 Holding)
(72) ing Merien ten Houten
Johannes Pieter Penning
(31) 1042908
(32) 21.06.2018
(33) Netherlands

(51) E04H 12/22
(21) 2021161
(22) 21.06.2018
(54) Adjusting device and an assembly comprising the adjusting device
(71) Powercast Holding B.V.
(74) ir. A. Blokland c.s.
(72) Eugenius Pascal Bartholomeus Christianus Raaijmakers
(41) 06.01.2020

(51) E05B 47/00
E05B 73/00
G07C 9/00
(21) 2021156
(22) 20.06.2018
(54) Vergrendelsysteem voor een vervoersmiddel
(71) Kooymans Beheer B.V.
(74) ir. G.J.M. Verhees
(72) Antonius Gerardus Petrus Johannes Kooijmans
(41) 06.01.2020

(51) E06B 1/34
F16B 12/44
(21) 2023377
(22) 25.06.2019
(54) dagkant-afwerkingssamenstel en werkwijze voor het afwerken van een dagkant met dagkant-panelen.
(71) Wood-Products B.V.
(74) ir. J.C. Volmer c.s.
(72) Marcel Hendrikus Maria Nienhuis
(31) 2021183
(32) 26.06.2018
(33) Netherlands

(51) E06B 9/15
(21) 2021206
(22) 29.06.2018
(54) Fire resistant shutter door, building and fire-resistant slat for a fire resistant shutter door
(71) Metaalwarenfabriek Metacon B.V.
(74) mr.ir. F.N. Ferro
(72) Vincent Vergunst
Lambert Vos
(41) 07.01.2020

(51) F03D 7/02
F03D 13/25
(21) 2021138
(22) 18.06.2018
(54) A rotor assembly and a windmill comprising the rotor assembly
(71) TouchWind Blue B.V.
(74) ir. A. Blokland c.s.
(72) Frederikus van de Klippe
(41) 06.01.2020

(51) F03D 80/10
G08G 5/00
(21) 2021151
(22) 19.06.2018
(54) Method for regulating light intensity output, wind turbine lighting system.
(71) Orga Holding B.V.
(74) ir. H.A. Witmans c.s.
(72) Robertus Everardus Antonius van der Heiden
Pieter Gerardus Goedknegt
(41) 06.01.2020

(51) F16K 5/06
(21) 2021203
(22) 28.06.2018
(54) Rotatable ball valve for controlling flow of fluids containing solid particles
(71) CS Business Services B.V.
(74) ir. H.A. Witmans c.s.
(72) Jaroslav Dana
(41) 06.01.2020

(51) F16K 5/06
F16K 5/20
F16K 31/524
(21) 2021202
(22) 28.06.2018
(54) Rotatable ball valve with axial displacement actuating stem
(71) CS Business Services B.V.
(74) ir. H.A. Witmans c.s.
(72) Jaroslav Dana
(41) 07.01.2020

(51) F16L 47/03
B29C 65/34
F16L 33/30
(21) 2021211
(22) 29.06.2018
(54) Anti-permeation ring
(71) TSE Fuelling Supplies B.V.
(74) ir. J.C. Volmer c.s.
(72) Petrus Johannes Bus
(41) 06.01.2020

(51) F24T 10/13
(21) 1042922
(22) 29.06.2018
(54) Inrichting voor warmteonttrekking middels een warmtepomp met ondergrondse metalen warmtewisselaar aan grondwater en lucht.
(71) Ecowarmtepomp
(72) Drs. Jan Izaak de Lange
Ir. Lars Rens de Lange
(41) 07.01.2020

(51) F25D 19/02
(21) 1042925
(22) 03.07.2018
(54) KOELINRICHTING MET EEN MODULAIRE KOELMACHINE
(71) Serrco B.V.
(72) Henricus Petrus Maria Snijders
(41) 08.01.2020

(51) G01B 17/02
G01N 29/07
(21) 2022952
(22) 16.04.2019
(54) PIPELINE DEPOSITION IMAGING
(71) Halliburton Energy Services, Inc.
(74) mr.ir. F.N. Ferro
(72) Srinivasan Jagannathan
David B. Bennett
(31) PCT/US2018/39021
(32) 22.06.2018
(33) United States of America

(51) G01J 3/42
G01Q 60/22
G01N 21/3581
(21) 2021205
(22) 28.06.2018
(54) Method and system for performing terahertz near-field measurements
(71) Technische Universiteit Eindhoven
(74) ir. A.R. Aalbers
(72) Niels Jacobus Johan van Hoof
Stan Erik Theodoor ter Huurne
Henri-Alexei Halpin
Jaime Gómez Rivas
Arkabrata Bhattacharya
Georgios Georgiou
(41) 07.01.2020

(51) G01K 17/20
(21) 2021233
(22) 03.07.2018
(54) Heat flow sensor and method of manufacture thereof

(71) Hukseflux Holding B.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Eric Richard Hoeksema
(41) 08.01.2020

(51) G01M 7/00
G01L 5/04
(21) 2021171
(22) 22.06.2018
(54) Method for testing integrity of pallet
(71) Ahrma Holding B.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Erik de Bokx
(41) 06.01.2020

(51) G01N 27/04
G01N 33/24
A01G 25/16
(21) 2021169
(22) 22.06.2018
(54) Sensing probe for sensing a parameter of the ground at a certain depth, methods for placing and using such probes
(71) Sensoterra B.V.
(74) mr.ir. F.N. Ferro
(72) Daan Nicolaas Roethof
Mark Pieter Jan Ruijs
Erik Petrus Nicolaas Damen
(41) 06.01.2020

(51) G01N 33/18
B01D 37/04
(21) 2021215
(22) 29.06.2018
(54) A system for monitoring fouling issues in a drinking water distribution network
(71) Oasen N.V.
(74) ir. A. Blokland c.s.
(72) Gang Liu
Walterus Gijsbertus Joseph van der Meer
(41) 06.01.2020

(51) G01N 33/18
G01N 1/20
G01N 35/00
(21) 2021210
(22) 29.06.2018
(54) A mobile system for continuous, automatic, online monitoring of water quality and particle sampling in a drinking water distribution network
(71) Oasen N.V.
(74) ir. A. Blokland c.s.
(72) Gang Liu
Walterus Gijsbertus Joseph van der Meer
(41) 06.01.2020

(51) G01S 1/70
G01C 11/06
G01C 15/04
G01S 5/16
G01S 17/48
(21) 2021199
(22) 28.06.2018
(54) Surveying instrument for and surveying method of surveying reference points
(71) Fugro N.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Dennis van Weeren
Arnoud Marc Jongsma
Joachim Seibert
(41) 07.01.2020

(51) G03F 1/22
G03F 1/62
G03F 7/20
(21) 2023229
(22) 29.05.2019
(54) EUV Pellicles
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Maxim Aleksandrovich Nasalevich
Alexander Ludwig Klein
Evgenia Kurganova
Arnoud Willem Notenboom
Pieter-Jan van Zwol
David Ferdinand Vles
(31) 18179320.9
18203954.5
(32) 22.06.2018
01.11.2018
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G03F 7/20
(21) 2023235
(22) 29.05.2019
(54) Sensor apparatus for lithographic measurements
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Alessandro Polo
(31) 18178414.1
(32) 19.06.2018
(33) European Patent Office (EPO)

(51) G03F 7/20
(21) 2023354
(22) 21.06.2019
(54) METHOD FOR PERFORMING A MANUFACTURING PROCESS AND ASSOCIATED APPARATUSES
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Thomas Theeuwes
Thomas Leo Maria Hoogenboom
(31) 18179450.4
(32) 25.06.2018
(33) European Patent Office (EPO)

(51) G03F 7/20
(21) 2023248
(22) 03.06.2019
(54) Apparatus for positioning and clamped curing
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Martin Dieter Nico Peters
Marcellus Antonius de Folter
(31) 18181606.7
18208040.8
18214483.2
19153678.8
(32) 04.07.2018
23.11.2018
20.12.2018
25.01.2019
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)

(51) G03F 7/20
(21) 2024432
(22) 12.12.2019
(54) ALIGNMENT METHOD AND ASSOCIATED ALIGNMENT AND LITHOGRAPHIC APPARATUSES
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Franciscus Godefridus Casper Bijnen
Edo Maria Hulsebos

(51) G03F 7/20
(21) 2024394
(22) 05.12.2019
(54) ALIGNMENT METHOD AND ASSOCIATED ALIGNMENT AND LITHOGRAPHIC APPARATUSES
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Sergei Sokolov
Filippo Alpeggiani
Sebastianus Adrianus Goorden
Simon Reinald Huisman

(51) G03F 7/20
(21) 2024406
(22) 09.12.2019
(54) METHOD OF MANUFACTURING A SUBSTRATE SUPPORT FOR A LITHOGRAPHIC APPARATUS, SUBSTRATE TABLE, LITHOGRAPHIC APPARATUS, DEVICE MANUFACTURING METHOD, METHOD OF USE
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Michael Marinus Anna Steur
Nicolaas ten Kate
Siegfried Alexander Tromp
Koen Gerhardus Winkels
Antonius Franciscus Johannes de Groot

(51) G06F 3/023
G06F 3/0354
G08B 21/24
(21) 1042917
(22) 27.06.2018
(54) Meldingssysteem om een verantwoord gebruik van een handbediend werkstation te ondersteunen.
(71) 4U Solutions BV
(72) Thomas Cornelis Olaf van Dijk Ba
(41) 06.01.2020

(51) G06F 9/48
G06F 9/54
(21) 2021174
(22) 25.06.2018
(54) Power interrupt immune software execution
(71) Technische Universiteit Delft
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Kasim Sinan Yildirim
Przemyslaw Pawelczak
Amjad Yousef Majid
(41) 06.01.2020

(51) G06Q 10/06
G16H 40/00
(21) 2023043
(22) 01.05.2019
(54) CIVIL HOSPITAL MOBILIZATION SYSTEM AND METHOD THEREOF
(71) Second Military Medical University
(74) ir. J.C. Volmer c.s.
(72) Lulu Zhang

Meina Li
Chen Xue
Tao Ding
Xu Liu
Wenya Yu
Junqiang Dong
Chaoqun Hu
(31) 2018106945510
(32) 27.06.2018
(33) China

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(51) H01J 37/02
H01J 37/18
(21) 2021217
(22) 29.06.2018
(54) Substrate exposure system and a frame therefore
(71) ASML Netherlands B.V.
(74) ir. A.J. Maas
(72) Jerry Johannes Martinus Peijster
(41) 07.01.2020

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(51) H01L 21/56
B29C 45/14
H01L 23/31
(21) 2021145
(22) 18.06.2018
(54) Mould for encapsulating electronic components, insert for such a mould, method for producing an insert and method for encapsulating electronic components
(71) BESI NETHERLANDS B.V.
(74) ir. H.Th. van den Heuvel c.s.
(72) Sebastianus Hubertus Maria Kersjes
(41) 06.01.2020

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(51) H01R 39/64
H01R 39/30
(21) 2021175
(22) 25.06.2018
(54) Power Coupler
(71) VerVent B.V.
(74) drs. P.A. van Essen c.s.
(72) Eize de Vries
(41) 06.01.2020

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(51) H02J 50/80
(21) 2021142
(22) 18.06.2018
(54) POWER TRANSFER DEVICE, POWER TRANSFER METHOD AND USE THEREOF
(71) Zens Group B.V.
(74) ir. P.J. Hylarides c.s.
(72) Ronald Hans van der Voort
Johannes Bernardus Plasmans
(41) 06.01.2020

---

(51) H04L 9/08
(21) 2021222
(22) 02.07.2018
(54) Method for secure encrypted digital services
(71) Helder IP B.V.
(74) ir. M.F.J.M. Ketelaars c.s.
(72) Bas Smits
(41) 07.01.2020

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) A01C 23/04
A01M 7/00
B05B 5/03
(11) 2021144
(47) 06.01.2020
(22) 18.06.2018
(54) Besproeiingsinrichting en werkwijze voor het besproeien van gewassen
(73) Buisman Beheer
(72) Jan Hendrik Tacoma Buisman
(74) ir. H.A. Witmans c.s.

(51) A01D 44/00
(11) 1042923
(47) 07.01.2020
(22) 02.07.2018
(54) Waterplantendraadzaag
(73) ir. Jan Kollen
(72) ir. Jan Kollen

(51) A01D 46/30
(11) 2021207
(47) 07.01.2020
(22) 29.06.2018
(54) HARVESTING DEVICE
(73) Stichting Wageningen Research
(72) Engelbertus Willem Karruppannan
Antonius Petrus Marie Tielen
Ruud Barth
Bart Adrianus Johannes van Tuijl
(74) ir. M.F.J.M. Ketelaars c.s.

(51) A01D 90/10
(11) 2021232
(47) 08.01.2020
(22) 03.07.2018
(54) Loader wagon and method for unloading a loader wagon
(73) SV Group B.V.
(72) Geuchien Gerard Rumpt
Tom Molendijk
Gerben Te Raa
Mark Hoving
(74) ir. H.A. Witmans c.s.

(51) A01J 5/04
A01J 5/08
(11) 2021181
(47) 06.01.2020
(22) 26.06.2018
(54) TEPELVOERING VOOR EEN MELKBEKER VAN EEN MELKINSTALLATIE, MELKBEKER EN INSTALLATIE VOORZIEN DAARVAN, EN WERKWIJZE DAARVOOR
(73) Hokofarm Group B.V.
(72) Jan Slager
(74) ir. P.J. Hylarides c.s.

(51) A01K 1/035
A01K 45/00
(11) 2021154
(47) 06.01.2020
(22) 19.06.2018
(54) Trolley for transporting animals, in particular poultry such as day old chicks
(73) André van Olst B.V.
Heering Group B.V.
(72) Dries van Olst
Patrick Heering
(74) ir. F.A. Geurts c.s.

(51) A01K 43/00
A01K 45/00
(11) 2021159
(47) 06.01.2020
(22) 20.06.2018
(54) EGG HANDLING SYSTEM
(73) Viscon B.V.
(72) Anthony Visser
(74) ir. P.J. Hylarides c.s.

(51) A01L 15/00
A01L 13/00
(11) 2021162
(47) 06.01.2020
(22) 21.06.2018
(54) A hoof treatment device and a method for immobilizing at least one leg of an animal in such a hoof treatment device
(73) Frank Gerardus Henricus Hochstenbach
(72) Frank Gerardus Henricus Hochstenbach
(74) ir. C.G.C. Veldman-Dijkers

(51) A23N 12/02
B07B 1/16
B07B 13/07
(11) 2021200
(47) 07.01.2020
(22) 28.06.2018
(54) Sorteerinrichting
(73) Graafstra Appelscha B.V.
(72) Onno Graafstra
Frans Homan
(74) ir. F.A. Geurts c.s.

(51) A24D 1/02
(11) 1042914
(47) 06.01.2020
(22) 26.06.2018
(54) Vloeitje, werkwijze voor het vervaardigen daarvan en verpakking bevattende vloeitjes
(73) Euro Papers V.O.F.
(72) Kevin Menno Bosma
Thierry van Bel

(51) A41D 13/06
(11) 2021227
(47) 08.01.2020
(22) 03.07.2018
(54) Attachable knee protector
(73) Haydar Ali Battaloglu
(72) Haydar Ali Battaloglu
(74) mr. ir. J. van Breda c.s.

(51) A47C 1/124
(11) 2021170
(47) 06.01.2020
(22) 22.06.2018
(54) Samenstel van twee door middel van een koppelstuk ten opzichte van elkaar gefixeerde en naast elkaar aanwezige stoelen
(73) Lambertus Jacobus Berbers
(72) Lambertus Jacobus Berbers
(74) ir. G.J.M. Verhees

(51) A47F 5/11
(11) 2021190
(47) 06.01.2020
(22) 27.06.2018
(54) lnrichting voor het presenteren van producten en het gebruik daarvan
(73) POZO NEGRO BEHEER B.V.
(72) Johannes Leonardus Martinus Hol
(74) ir. H.Th. van den Heuvel c.s.

(51) A47K 13/30
(11) 2021182
(47) 06.01.2020
(22) 26.06.2018
(54) APPARATUS FOR REMOVING UNPLEASANT ODOURS IN A TOILET
(73) Wensley Steven Blanker
(72) Wensley Steven Blanker
(74) ir. P.J. Hylarides c.s.

(51) A61B 5/0215
A61B 5/00
A61M 25/00
(11) 2021208
(47) 07.01.2020
(22) 29.06.2018
(54) PRESSURE SENSOR MICROCATHETER SYSTEM, AND ASSOCIATED METHODS
(73) Wellinq Medical B.V.
(72) Richard Dirks
Hendrik Hartholt
Jeroen Lanting
Rudolf Teunis Mulder
Jan Remke Schoemaker
Robert Splinter
Ronald Arthur van den Broek
(74) ir. P.J. Hylarides c.s.

(51) A61B 17/14
A61B 17/15
A61B 17/88
A61B 17/00
B23D 57/02
(11) 2021191
(47) 06.01.2020
(22) 27.06.2018
(54) A tool system for removing prosthetic cement from a bone of a patient undergoing a joint prosthesis replacement operation
(73) UMC Utrecht Holding B.V.
(72) Bart Cornelis Hendrikus van der Wal
Henri Charles Vogelij
Hermannus Hendricus Weinans
Lucas Alphonsus Maria Evers
(74) ir. P.J. Hylarides c.s.

(51) A61B 17/43
(11) 2021153

(47) 06.01.2020
(22) 19.06.2018
(54) Intravaginal conception assistance device, kit of parts, and method
(73) Rosesta Medical B.V.
(72) Robert Sebastian Stal
(74) ir. H.A. Witmans c.s.

(51) A61F 9/007
(11) 2021140
(47) 06.01.2020
(22) 18.06.2018
(54) Steerable Ophthalmic Probe comprising Actuation Assembly
(73) Crea IP B.V.
(72) Adriaantje Coliene Dam-Huisman
(74) ir. M.F.J.M. Ketelaars c.s.

(51) A61F 13/02
A61F 13/00
A61M 1/00
(11) 2021186
(47) 06.01.2020
(22) 26.06.2018
(54) Intelligent cap for skin tissue treatment
(73) Icap Holding B.V.
(72) Louis John Zondag
Harm Jaap Smit
Oscar Beijert
(74) dr. A. Ellens c.s.

(51) A61G 3/08
(11) 2021220
(47) 07.01.2020
(22) 02.07.2018
(54) Wheelchair floor clamp
(73) Willaarts + Willaarts Makelaars en Taxateurs in Onroerende Goederen B.V.
(72) Jacques Willaarts
(74) ir. H.A. Witmans c.s.

(51) A61J 9/00
A61J 11/00
(11) 1042913
(47) 06.01.2020
(22) 26.06.2018
(54) Zuigfles met een plastic buitenfles en een glazen binnenfles, die met elkaar verbonden zijn via een siliconen verbindingsring en een montagering
(73) Q.P. Tramm
(72) Quinn Paul Tramm

(51) A61K 31/506
A61K 31/519
A61K 31/5377
A61P 35/00
A61K 45/06
G01N 33/574
(11) 2021185
(47) 06.01.2020
(22) 26.06.2018
(54) Combination Therapy and Use Thereof for Treating Cancer
(73) Stichting Het Nederlands Kanker Instituut-Antoni van Leeuwenhoek Ziekenhuis
(72) Rene Bernards
Cun Wang
(74) ir. A. Blokland c.s.

(51) A61M 5/168
A61M 5/20
G01F 23/292
(11) 2021179
(47) 06.01.2020
(22) 26.06.2018
(54) FILL LEVEL DETECTION IN PLUNGER FLUID CONTAINERS
(73) ERIKS N.V.
(72) Paul Johan van der Stigchel
(74) ir. J.P.E. Brants

(51) A61N 1/39
B60L 53/30
G07B 15/02
(11) 1042921
(47) 07.01.2020
(22) 29.06.2018
(54) Systeem omvattende een straatmeubel, zoals een laadpaal of een parkeerautomaat, en een AED inrichting
(73) Marcel Henricus Bernardus Mattijssen
(72) Marcel Henricus Bernardus Mattijssen

(51) A62C 3/16
(11) 2021177
(47) 06.01.2020
(22) 26.06.2018
(54) Brandwerende inrichting, brandwerende scheiding voorzien van brandwerende inrichting en werkwijze voor het renoveren van een wand voorzien van een doorvoeropening voor het doorvoeren van een arrangement voor het realiseren van de brandwerende scheiding.
(73) Firenzo B.V.
(72) Ernie Jozef Johan Terwijn
(74) ir. A. Blokland c.s.

(51) A62D 1/00
A62C 11/00
A62C 31/03
A62C 35/02
(11) 2021172
(47) 06.01.2020
(22) 25.06.2018
(54) Fire extinguishing spray bottle
(73) EcoXtinguish B.V.
(72) Bart de Jonge
(74) mr. ir. J. van Breda c.s.

(51) A63H 33/42
(11) 1042906
(47) 06.01.2020
(22) 20.06.2018
(54) Slider
(73) Mattheijs Adriaan Platier
(72) Mattheijs Adriaan Platier
Ruben Platier

(51) B01D 61/02
B01D 61/04
B01D 61/12
B01D 61/58
B01D 65/02
(11) 2022170
(47) 08.01.2020
(22) 11.12.2018
(54) Werkwijze en inrichting voor het bedrijven van een omgekeerde osmose (RO) proces voor het behandelen van een processtroom
(73) Wafilin Systems B.V.
(72) Harm Dalfsen
Thomas Roersma
(74) ir. P.J. Hylarides c.s.
(31) 2021235
(32) 03.07.2018
(33) Netherlands

(51) B01D 61/14
B01D 61/22
B01D 61/58
B01D 65/02
(11) 2022169
(47) 08.01.2020
(22) 11.12.2018
(54) Werkwijze en inrichting voor het bedrijven van een ultrafiltratie (UF) proces voor het behandelen van een processtroom
(73) Wafilin Systems B.V.
(72) Harm van Dalfsen
Thomas Roersma
(74) ir. P.J. Hylarides c.s.
(31) 2021234
(32) 03.07.2018
(33) Netherlands

(51) B01L 3/00
(11) 2021377
(47) 08.01.2020
(22) 23.07.2018
(54) INTERPOSER WITH FIRST AND SECOND ADHESIVE LAYERS
(73) Illumina, Inc
(72) Maxwell Zimmerley
Shane Bowen
Steven H. Modiano
Dajun Yuan
Randall Smith
Arthur J. Pitera
Hai Quang Tran
Gerald Kreindl
Qiang LiangLiang
(74) ir. P.J. Hylarides c.s.
(31) 62/693,762
(32) 03.07.2018
(33) United States of America

(51) B05B 1/30
B05C 5/02
B05C 11/10
F16K 23/00
(11) 2021163
(47) 06.01.2020
(22) 21.06.2018
(54) Dispensing nozzle for a Coater
(73) SUSS MicroTec Lithography GmbH
(72) Kader Mekias
(74) ir. J.C. Volmer c.s.

(51) B23Q 1/72
F16H 19/04
F16M 11/04
F16M 11/18
F16M 11/42
(11) 2023059
(47) 07.01.2020
(22) 02.05.2019
(54) MOBILE SLIDING TABLE
(73) YANTAI ADDCARE BIO-TECH LIMITED COMPANY
(72) Lihai Zhang
Wei Shao
Ping Lin
(74) P.J. Pollard B.Eng
(31) 2022083
(32) 28.11.2018

(33) Netherlands
(51) B29B 15/12
B29C 70/56
B33Y 30/00
(11) 2021152
(47) 06.01.2020
(22) 19.06.2018
(54) Device and method for continuous extrusion-based fibre additive manufacturing
(73) CEAD B.V.
(72) Maarten Jan Logtenberg
Lucas Leonard Albertus Janssen
(74) ir. A. Blokland c.s.

(51) B60B 29/00
B23P 19/02
(11) 1042924
(47) 06.01.2020
(22) 29.06.2018
(54) Inrichting om wielen van afvalcontainers te demonteren en voor het scheiden van de verschillende materiaalsoorten
(73) INNOTECH KRAMER VOF
(72) Bertus Alexander Kramer

(51) B60L 8/00
(11) 2021173
(47) 06.01.2020
(22) 25.06.2018
(54) Electric or hybrid vehicle comprising a solar panel.
(73) Atlas Technologies Holding B.V.
(72) Rohit Algeri

(51) B60R 9/055
E05B 63/14
(11) 2021189
(47) 06.01.2020
(22) 27.06.2018
(54) Dakkoffer
(73) VDL Hapro B.V.
(72) Cornelia Maria Jacobus van Tilburg-Nieuwenhuize
Michael Meissner
(74) ir. A. Blokland c.s.

(51) B63B 27/10
B63B 35/00
B66C 23/52
E02B 17/00
E02B 17/02
(11) 2021201
(47) 07.01.2020
(22) 28.06.2018
(54) Method for installation of an offshore structure using one or more cranes
(73) Holding OOS II B.V.
(72) Leon Overdulve
Stefan van Mierlo
Thijs Nagtegaal
Roel Diekerhof
(74) ir. M.F.J.M. Ketelaars c.s.

(51) B63B 27/14
B63B 27/30
B66F 11/04
E01D 15/24
(11) 2021225
(47) 07.01.2020
(22) 02.07.2018
(54) Motion compensated transfer system, vessel and use thereof
(73) Safeway B.V.
(72) Gerbrand August Wijnand van Aalst
(74) ir. H.A. Witmans c.s.

(51) B63B 35/00
B63B 35/00
(11) 2021166
(47) 06.01.2020
(22) 21.06.2018
(54) Method And Vessel For Deploying Heavy Objects
(73) Ulstein Design & Solutions B.V.
(72) Dolf Arnold Manschot
(74) ir. M.F.J.M. Ketelaars c.s.

(51) B63B 35/00
B66C 23/18
E02B 17/02
F03D 13/10
F03D 13/40
(11) 2021157
(47) 06.01.2020
(22) 20.06.2018
(54) Wind turbine installation method
(73) Heerema Marine Contractors Nederland SE
(72) Thijs Johannes Sebastianus Vervoort
Erik Fredericus Maria van Hintum
(74) ir. J.C. Volmer c.s.

(51) B64C 1/14
B64C 1/36
B64D 11/00
(11) 2020969
(47) 07.01.2020
(22) 22.05.2018
(54) Antenneinrichting, communicatiesysteem en werkwijze
(73) MI Group B.V.
(72) Job Daniel Marie Heimerikx
(74) ir. F.E. Hoeben

(51) B65D 17/32
B65D 17/34
B65D 39/16
(11) 1042918
(47) 07.01.2020
(22) 28.06.2018
(54) Geïntegreerde afsluit-lip-5 voor het openen en afsluiten van de drinkblikken
(73) Mobitel Nederland
(72) Joop Dekker

(51) B65D 75/52
B65D 75/58
B65D 75/00
(11) 2021221
(47) 07.01.2020
(22) 02.07.2018
(54) Assembly and method for preserving and dispensing a consumable food substance
(73) ALRO B.V.
(72) Yasin El Bouzidi
Wilhelmina Walthera Maria Peeters
(74) ir. H.Th. van den Heuvel c.s.

(51) B65D 88/34
B65D 88/40
(11) 2021168
(47) 06.01.2020
(22) 22.06.2018
(54) A method for performing an operation on a storage tank
(73) Jeffrey Faber
(72) Jeffrey Faber
(74) ir. W.J.J.M. Kempes

(51) B65H 1/04
B42F 7/10
(11) 2021165
(47) 06.01.2020
(22) 21.06.2018
(54) INRICHTING VOOR HET HOUDEN VAN LOSSE VELLEN
(73) SDS Logisticwork
(72) Rutger Laurens Sijtstra
(74) ir. M.B. Plaggenborg

(51) B65H 75/12
B65H 75/22
B65H 75/24
(11) 2021192
(47) 06.01.2020
(22) 27.06.2018
(54) Cable reel for heavy-duty electric cable
(73) Mammoet Holding B.V.
(72) Johannes Marinus Adrianus van Wees
(74) mr. ir. J. van Breda c.s.

(51) B66C 1/34
(11) 2021139
(47) 06.01.2020
(22) 18.06.2018
(54) Lifting tool
(73) High Performance Lifting Equipment B.V.
(72) Boris Harold Johan van der Kolk
(74) ir. M.F.J.M. Ketelaars c.s.

(51) B66C 13/08
B66C 1/10
B66C 1/66
B66C 13/06
(11) 2021143
(47) 06.01.2020
(22) 18.06.2018
(54) Werkwijze en inrichting voor het richten van een last die door hijskabels aan een kraan opgehangen is
(73) Stinis Beheer B.V.
(72) Cornelis Stinis
(74) ir. P.J. Hylarides c.s.

(51) B66F 9/20
B66F 3/46
B66F 7/20
(11) 2021228
(47) 08.01.2020
(22) 03.07.2018
(54) Mobile lifting column, lifting system comprising one or more of such lifting columns, and method for lifting a vehicle
(73) Stertil B.V.
(72) Jurjen de Jong
(74) ir. P.J. Hylarides c.s.

(51) C02F 1/28
C02F 1/32
C02F 1/34
C02F 1/38
C02F 1/44
C02F 1/72
C02F 1/74
C02F 1/78
C02F 9/00
(11) 2021149
(47) 06.01.2020

(22) 19.06.2018
(54) Method and system for the purification of contaminated water
(73) Indra Scientific SA
(72) Yuriy Zabulonov
Vadym Kadoshnikov
Oleksandr Puhach
Volodymyr Krasnoholovets
Ivan Gandzha
(74) ir. J.C. Volmer c.s.

(51) C03B 17/06
C03C 3/068
(11) 2021322
(47) 06.01.2020
(22) 17.07.2018
(54) CONTINUOUS METHODS OF MAKING GLASS RIBBON AND AS-DRAWN GLASS ARTICLES FROM THE SAME
(73) Corning Incorporated
(72) Thierry Luc Alain Dannoux
Vladislav Yuryevich Golyatin
Randy Lee Rhoads
(74) ir. P.J. Hylarides c.s.
(31) 62/691,031
(32) 28.06.2018
(33) United States of America

(51) C04B 18/24
C04B 14/06
C04B 28/04
(11) 2021223
(47) 07.01.2020
(22) 02.07.2018
(54) METHOD FOR PRODUCING CONCRETE BASED ON VEGETAL AGGREGATE
(73) Jacobus Gerhard Nicolaas Schotanus
Johannes Cornelis Willemsen
(72) Jacobus Gerhard Nicolaas Schotanus
(74) ir. J.H. de Hoog

(51) C12C 1/067
G01N 22/04
G01R 27/06
G05B 17/02
(11) 2021212
(47) 07.01.2020
(22) 29.06.2018
(54) APPARATUS FOR CONTROL OF DRYING PROCESS DURING KILNING
(73) Holland Malt B.V.
(72) Edwin Evers
Martijn van Iersel
(74) ir. M.F.J.M. Ketelaars c.s.

(51) C12Q 1/6825
C12Q 1/6869
G16B 30/00
(11) 2021376
(47) 06.01.2020
(22) 23.07.2018
(54) SENSOR AND SENSING SYSTEM
(73) Illumina, Inc
(72) John Moon
(74) ir. P.J. Hylarides c.s.
(31) 62/692,468
(32) 29.06.2018
(33) United States of America

(51) D06F 57/00
(11) 1042916
(47) 06.01.2020
(22) 27.06.2018
(54) Hulpstuk voor het drogen en/of luchten van een voorwerp van flexibel materiaal, omvattende afstandselementen ten behoeve van betere toetreding van omgevingslucht en/of wind tot dat voorwerp
(73) M. Aardeland
(72) M. Aardeland

(51) E03D 5/02
E03D 1/012
(11) 2021605
(47) 06.01.2020
(22) 11.09.2018
(54) Nis voor montage in een opening in een wand
(73) Easy Sanitary Solutions B.V.
(72) Jurgen Hendrik Peter Joseph Keizers
(74) ir. B.J. 't Jong
(31) 2021193
(32) 27.06.2018
(33) Netherlands

(51) E03D 11/12
(11) 2021180
(47) 06.01.2020
(22) 26.06.2018
(54) Toiletinrichting
(73) Abdelhamid Kerkouri
(72) Abdelhamid Kerkouri
(74) ir. P.J. Hylarides c.s.

(51) E04H 12/22
(11) 2021161
(47) 06.01.2020
(22) 21.06.2018
(54) Adjusting device and an assembly comprising the adjusting device
(73) Powercast Holding B.V.
(72) Eugenius Pascal Bartholomeus Christianus Raaijmakers
(74) ir. A. Blokland c.s.

(51) E05B 47/00
E05B 73/00
G07C 9/00
(11) 2021156
(47) 06.01.2020
(22) 20.06.2018
(54) Vergrendelsysteem voor een vervoersmiddel
(73) Kooymans Beheer B.V.
(72) Antonius Gerardus Petrus Johannes Kooijmans
(74) ir. G.J.M. Verhees

(51) E06B 9/15
(11) 2021206
(47) 07.01.2020
(22) 29.06.2018
(54) Fire resistant shutter door, building and fire-resistant slat for a fire resistant shutter door
(73) Metaalwarenfabriek Metacon B.V.
(72) Vincent Vergunst
Lambert Vos
(74) mr.ir. F.N. Ferro

(51) E21F 13/02
(11) 2023125
(47) 07.01.2020
(22) 13.05.2019
(54) Side wall conveying system, a forming method and a conveying method for an explosion-proof coal mine roadway
(73) Jiangsu Vocational Institute of Architectural Technology
(72) Tu Yunhe
Wu Chao
Yu Qing
Liu Ming
Liu Hui
Tao Xiangling
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201810460768.5
(32) 14.05.2018
(33) China

(51) F03D 7/02
F03D 13/25
(11) 2021138
(47) 06.01.2020
(22) 18.06.2018
(54) A rotor assembly and a windmill comprising the rotor assembly
(73) TouchWind Blue B.V.
(72) Frederikus van de Klippe
(74) ir. A. Blokland c.s.

(51) F03D 80/10
G08G 5/00
(11) 2021151
(47) 06.01.2020
(22) 19.06.2018
(54) Method for regulating light intensity output, wind turbine lighting system.
(73) Orga Holding B.V.
(72) Robertus Everardus Antonius van der Heiden
Pieter Gerardus Goedknegt
(74) ir. H.A. Witmans c.s.

(51) F16K 5/06
(11) 2021203
(47) 06.01.2020
(22) 28.06.2018
(54) Rotatable ball valve for controlling flow of fluids containing solid particles
(73) CS Business Services B.V.
(72) Jaroslav Dana
(74) ir. H.A. Witmans c.s.

(51) F16K 5/06
F16K 5/20
F16K 31/524
(11) 2021202
(47) 07.01.2020
(22) 28.06.2018
(54) Rotatable ball valve with axial displacement actuating stem
(73) CS Business Services B.V.
(72) Jaroslav Dana
(74) ir. H.A. Witmans c.s.

(51) F16L 5/04
A62C 2/06
H02G 3/22
(11) 2020412
(47) 07.01.2020
(22) 09.02.2018
(54) Brandbeveiligingsinrichting voor een leidingdoorvoer met twee slangbeugels
(73) RUDOLF HENSEL GMBH
(72) Felix Neumann
(74) ir. H.Th. van den Heuvel c.s.
(31) 202018100720.3
(32) 09.02.2018
(33) Germany

(51) F16L 47/03
B29C 65/34
F16L 33/30
(11) 2021211
(47) 06.01.2020
(22) 29.06.2018
(54) Anti-permeation ring
(73) TSE Fuelling Supplies B.V.
(72) Petrus Johannes Bus
(74) ir. J.C. Volmer c.s.

(51) F24T 10/13
(11) 1042922
(47) 07.01.2020
(22) 29.06.2018
(54) Inrichting voor warmteonttrekking middels een warmtepomp met ondergrondse metalen warmtewisselaar aan grondwater en lucht.
(73) Ecowarmtepomp
(72) Drs. Jan Izaak de Lange
Ir. Lars Rens de Lange

(51) F25D 19/02
(11) 1042925
(47) 08.01.2020
(22) 03.07.2018
(54) KOELINRICHTING MET EEN MODULAIRE KOELMACHINE
(73) Serrco B.V.
(72) Henricus Petrus Maria Snijders

(51) G01J 3/42
G01Q 60/22
G01N 21/3581
(11) 2021205
(47) 07.01.2020
(22) 28.06.2018
(54) Method and system for performing terahertz near-field measurements
(73) Technische Universiteit Eindhoven
(72) Niels Jacobus Johan van Hoof
Stan Erik Theodoor ter Huurne
Henri-Alexei Halpin
Jaime Gómez Rivas
Arkabrata Bhattacharya
Georgios Georgiou
(74) ir. A.R. Aalbers

(51) G01K 17/20
(11) 2021233
(47) 08.01.2020
(22) 03.07.2018
(54) Heat flow sensor and method of manufacture thereof
(73) Hukseflux Holding B.V.
(72) Eric Richard Hoeksema
(74) ir. M.F.J.M. Ketelaars c.s.

(51) G01M 7/00
G01L 5/04
(11) 2021171
(47) 06.01.2020
(22) 22.06.2018
(54) Method for testing integrity of pallet
(73) Ahrma Holding B.V.
(72) Erik de Bokx
(74) ir. M.F.J.M. Ketelaars c.s.

(51) G01N 27/04
G01N 33/24
A01G 25/16
(11) 2021169
(47) 06.01.2020
(22) 22.06.2018
(54) Sensing probe for sensing a parameter of the ground at a certain depth, methods for placing and using such probes
(73) Sensoterra B.V.
(72) Daan Nicolaas Roethof
Mark Pieter Jan Ruijs
Erik Petrus Nicolaas Damen
(74) mr.ir. F.N. Ferro

(51) G01N 33/18
B01D 37/04
(11) 2021215
(47) 06.01.2020
(22) 29.06.2018
(54) A system for monitoring fouling issues in a drinking water distribution network
(73) Oasen N.V.
(72) Gang Liu
Walterus Gijsbertus Joseph van der Meer
(74) ir. A. Blokland c.s.

(51) G01N 33/18
G01N 1/20
G01N 35/00
(11) 2021210
(47) 06.01.2020
(22) 29.06.2018
(54) A mobile system for continuous, automatic, online monitoring of water quality and particle sampling in a drinking water distribution network
(73) Oasen N.V.
(72) Gang Liu
Walterus Gijsbertus Joseph van der Meer
(74) ir. A. Blokland c.s.

(51) G01S 1/70
G01C 11/06
G01C 15/04
G01S 5/16
G01S 17/48
(11) 2021199
(47) 07.01.2020
(22) 28.06.2018
(54) Surveying instrument for and surveying method of surveying reference points
(73) Fugro N.V.
(72) Dennis van Weeren
Arnoud Marc Jongsma
Joachim Seibert
(74) ir. M.F.J.M. Ketelaars c.s.

(51) G02B 13/00
(11) 2020987
(47) 07.01.2020
(22) 25.05.2018
(54) Lens system
(73) Anteryon International B.V.
(72) Edwin Maria Wolterink
Yelena Vladimirovna Shulepova
(74) ir. A. Blokland c.s.

(51) G06F 3/023
G06F 3/0354
G08B 21/24
(11) 1042917
(47) 06.01.2020
(22) 27.06.2018
(54) Meldingssysteem om een verantwoord gebruik van een handbediend werkstation te ondersteunen.
(73) 4U Solutions BV
(72) Thomas Cornelis Olaf van Dijk Ba

(51) G06F 9/48
G06F 9/54
(11) 2021174
(47) 06.01.2020
(22) 25.06.2018
(54) Power interrupt immune software execution
(73) Technische Universiteit Delft
(72) Kasim Sinan Yildirim
Przemyslaw Pawelczak
Amjad Yousef Majid
(74) ir. M.F.J.M. Ketelaars c.s.

(51) G06K 9/00
(11) 2022442
(47) 07.01.2020
(22) 24.01.2019
(54) Positiebepalingsinrichting
(73) Lely Patent N.V.
(72) Martin Ivan Ganeff
Nicky de Waard
(74) ir. M.J.F.M. Corten

(51) H01J 37/02
H01J 37/18
(11) 2021217
(47) 07.01.2020
(22) 29.06.2018
(54) Substrate exposure system and a frame therefore
(73) ASML Netherlands B.V.
(72) Jerry Johannes Martinus Peijster
(74) ir. A.J. Maas

(51) H01L 21/56
B29C 45/14
H01L 23/31
(11) 2021145
(47) 06.01.2020
(22) 18.06.2018
(54) Mould for encapsulating electronic components, insert for such a mould, method for producing an insert and method for encapsulating electronic components
(73) BESI NETHERLANDS B.V.
(72) Sebastianus Hubertus Maria Kersjes
(74) ir. H.Th. van den Heuvel c.s.

(51) H01R 39/64
H01R 39/30
(11) 2021175
(47) 06.01.2020
(22) 25.06.2018
(54) Power Coupler
(73) VerVent B.V.
(72) Eize de Vries
(74) drs. P.A. van Essen c.s.

(51) H02J 50/80
(11) 2021142
(47) 06.01.2020
(22) 18.06.2018
(54) POWER TRANSFER DEVICE, POWER TRANSFER METHOD AND USE THEREOF
(73) Zens Group B.V.
(72) Ronald Hans van der Voort
Johannes Bernardus Plasmans
(74) ir. P.J. Hylarides c.s.

(51) H04L 9/08
(11) 2021222

(47) 07.01.2020
(22) 02.07.2018
(54) Method for secure encrypted digital services
(73) Helder IP B.V.
(72) Bas Smits
(74) ir. M.F.J.M. Ketelaars c.s.

NP3

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

EP1

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

(43) 16.10.2019
(11) EP3554013
(51) H04L 12/24
H04L 12/26
H04L 12/40
H04W 24/08
(71) GEOTAB Inc.

EP2

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

(51) A01B 1/00
A01D 1/00
B60P 1/00
B62D 6/00
E01C 23/088
E02F 3/76
E02F 3/84
E02F 9/08
E02F 9/20
E02F 9/26
(11) EP3119941
(21) EP15765963.2
(47) 08.01.2020
(87) US2015016543
24.09.2015
(22) 19.02.2015
(54) METHOD OF CONTROLLING ARTICULATION OF AN ARTICULATED MACHINE
(73) Caterpillar Inc.
(72) SHARMA, Amit
BUDDE, Steven C.
VAN DE VEER, Brad Robert
(31) 201414216543
(32) 17.03.2014
(33) United States of America

(51) A01B 21/08
A01B 49/02
(11) EP3375271
(21) EP18305280.2
(47) 08.01.2020
(22) 15.03.2018
(54) AGRICULTURAL SOIL PREPARATION MACHINE COMPRISING TWO MUTUALLY OFFSET DISC TRAINS WITH ADJUSTABLE POSITION IN THE FORWARD DIRECTION
(73) Kuhn-Huard S.A.
(72) CAVALON, Anthony
BOUTIN, Gérald
BOUCHET, Yoann
LEDIG, Thierry
(31) 1752181
(32) 17.03.2017
(33) France

(51) A01B 59/04
B60K 25/06
(11) EP3393839
(21) EP16836237.4
(47) 08.01.2020
(87) IB2016057932
29.06.2017
(22) 22.12.2016
(54) VEHICLE WITH TRAILER, OPERATIVELY CONNECTED THERETO TROUGH A CARDAN
(73) Vercellino, Pierangelo
Raganelli, Valerio
(72) Vercellino, Pierangelo
Raganelli, Valerio
(31) UB20159734
(32) 22.12.2015
(33) Italy

(51) A01B 59/06
(11) EP3179841
(21) EP15767273.4
(47) 08.01.2020
(87) IB2015055770
18.02.2016
(22) 30.07.2015
(54) AUTOMATIC COUPLING-DECOUPLING DEVICE FOR A SOIL WORKING APPARATUS
(73) Perrein
(72) DEZ, Jérôme
DEFRANCQ, Hubert
HAZOUARD, Bastien
(31) 1457746
(32) 11.08.2014
(33) France

(51) A01B 69/00
(11) EP3257346
(21) EP17155170.8
(47) 08.01.2020
(22) 08.02.2017
(54) SYSTEM FOR OPERATING ACTIVITIES OF AT LEAST A COMPLEMENTARY DEVICE FOR AN AGRICULTURAL MACHINE
(73) CLAAS E-Systems GmbH
365FarmNet Group KGaA mbh & Co KG
(72) Kuhlmann, Marcus
Hoff, Dr., Carsten
Warkentin, Heinrich
Kowohl, Magnus
Mähler, Reinhold
Johann to Büren, Gerald
Apke, Christoph
(31) 102016110811
(32) 13.06.2016
(33) Germany

(51) A01B 79/00
G01C 21/34
(11) EP3343176
(21) EP18157532.5
(47) 08.01.2020
(22) 13.06.2012
(54) METHOD FOR CREATING PRESCRIPTION MAPS
(73) The Climate Corporation
(72) SAUDER, Timothy A.
KOCH, Justin L.
(31) 201161496486 P
(32) 13.06.2011
(33) United States of America

(51) A01B 79/00
G05D 1/02
(11) EP1915894
(21) EP07119306.4
(47) 08.01.2020
(22) 25.10.2007
(54) Method and apparatus for creating curved swath patterns for farm machinery
(73) CNH Industrial Belgium nv
(72) Dix, Peter J.
Ni, Bingcheng
Moaveninejad, Kousha
(31) 553958
(32) 27.10.2006
(33) United States of America

(51) A01C 1/00
A01C 1/06
A01N 63/00
C12N 1/04
C12N 1/20
(11) EP1827074
(21) EP05851562.8
(47) 08.01.2020
(87) US2005041003
06.07.2006
(22) 14.11.2005
(54) IMPROVED SHELF LIFE AND ON SEED STABILIZATION OF LIQUID BACTERIUM INOCULANTS
(73) BASF Corporation
(72) PEARCE, Jeremy David
CARPENTER, Mary Ann
(31) 20714
(32) 23.12.2004
(33) United States of America

(51) A01C 3/04
C12M 1/00
C12M 1/107
C12M 1/26
(11) EP3294860
(21) EP16725058.8
(47) 08.01.2020
(87) EP2016060627
17.11.2016
(22) 12.05.2016
(54) DEVICE FOR ANAEROBIC DIGESTION USING SOLID BIOMASS AND CORRESPONDING METHOD FOR PRODUCING BIOGAS
(73) YANNCO
(72) MERCIER, Yann
(31) 1554268
(32) 12.05.2015
(33) France

(51) A01C 15/00
A01C 17/00
G01G 1/00
G01G 19/08
(11) EP3398424
(21) EP18401041.1
(47) 18.12.2019
(22) 18.04.2018
(54) DRAWN DISTRIBUTION MACHINE
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG
(72) Kleine-Hartlage, Hubertus
(31) 102017109644

(32) 05.05.2017
(33) Germany

(51) A01C 17/00
(11) EP3426014
(21) EP17713886.4
(47) 08.01.2020
(87) EP2017000311
14.09.2017
(22) 09.03.2017
(54) DISTRIBUTION MACHINE
(73) RAUCH Landmaschinenfabrik GmbH
(72) STÖCKLIN, Volker
(31) 102016002827
(32) 09.03.2016
(33) Germany

(51) A01D 34/73
(11) EP3170384
(21) EP16198286.3
(47) 08.01.2020
(22) 10.11.2016
(54) DEVICE FOR ASSISTING THE EXCHANGE OF BLADES ON MOWERS
(73) CLAAS Saulgau GmbH
(72) Speer, Christian
Loebe, Stefan
Perrin, Carine
(31) 102015120062
(32) 19.11.2015
(33) Germany

(51) A01D 34/90
A01G 3/06
B27B 5/30
F02B 63/02
F16C 1/06
F16C 1/26
F16C 1/28
(11) EP3222861
(21) EP16000679.7
(47) 08.01.2020
(22) 21.03.2016
(54) PROTECTIVE TUBE FOR PROVIDING A BEARING FOR THE DRIVE SHAFT OF A HANDHELD TOOL
(73) Andreas Stihl AG & Co. KG
(72) Föhrenbach, Jan

(51) A01D 41/12
F02B 29/04
F02M 35/08
(11) EP3103319
(21) EP16173877.8
(47) 08.01.2020
(22) 10.06.2016
(54) COOLING PACKAGE FOR AN AGRICULTURAL VEHICLE
(73) CNH Industrial Belgium nv
(72) Demonie, Lode A.
Heyns, Jolan
Titeca, Steven
Duquesne, Frank R.G.
(31) 201505355
(32) 10.06.2015
(33) Belgium

(51) A01D 46/26
A01D 46/28
(11) EP3379914
(21) EP16800975.1
(47) 08.01.2020
(87) EP2016078604
01.06.2017
(22) 23.11.2016
(54) SHAKER DEVICE FOR A FRUIT HARVESTING UNIT
(73) CNH Industrial France
CQFD Composites
(72) CHAUZU, Frank
LE NEVÉ, Daniel, H.A.M.
(31) 1561244
(32) 23.11.2015
(33) France

(51) A01F 15/08
(11) EP3155890
(21) EP16193830.3
(47) 08.01.2020
(22) 14.10.2016
(54) AUTOMOTIVE BALING PRESS
(73) Brielmaier Motormäher GmbH
(72) BRIELMAIER, Martin
(31) 102015117585
(32) 15.10.2015
(33) Germany

(51) A01F 15/10
(11) EP3027004
(21) EP14747607.1
(47) 08.01.2020
(87) EP2014066472
05.02.2015
(22) 31.07.2014
(54) AGRICULTURAL RECTANGULAR BALER AND METHOD FOR USE THEREOF
(73) CNH Industrial Belgium nv
(72) DUMAREY, Robrecht M.K.
VAN VOOREN, Sandor
VANDEVELDE, Pieter
VANHERCKE, Olivier Arnel
(31) 201300516
(32) 01.08.2013
(33) Belgium

(51) A01F 15/14
(11) EP3320770
(21) EP17200750.2
(47) 08.01.2020
(22) 09.11.2017
(54) KNOTTER SYSTEM FOR A BALER
(73) CNH Industrial Belgium NV
(72) NAEYAERT, Karel
(31) 201605848
(32) 10.11.2016
(33) Belgium

(51) A01F 15/14
B65B 13/32
(11) EP3391735
(21) EP18000359.2
(47) 08.01.2020
(22) 13.04.2018
(54) BALING PRESS
(73) Maschinenfabrik Bernard Krone GmbH & Co. KG
(72) Kreyenhagen, Michael
Horstmann, Josef
Martensen, Klaus
Amshove, Martin
(31) 102017003879
(32) 21.04.2017
(33) Germany

(51) A01G 9/14
(11) EP3373721
(21) EP16802169.9
(47) 08.01.2020
(87) NL2016050782
18.05.2017
(22) 10.11.2016
(54) CULTIVATION FLOOR SYSTEM FOR CULTIVATION OF PLANTS
(73) ErfGoed Nederland B.V.
(72) PAANS, Hugo Willem Lambertus
(31) 2015771
(32) 11.11.2015
(33) Netherlands

(51) A01G 9/14
A01G 31/02
(11) EP3366113
(21) EP17175043.3
(47) 08.01.2020
(22) 08.06.2017
(54) PLANT CULTIVATION APPARATUS USING AN UP-DOWN SYSTEM
(73) Green Plus Co., Ltd.
Park, Yeong Hwan
(72) Park, Yeong Hwan
(31) 20170025429
(32) 27.02.2017
(33) Korea (Republic)

(51) A01G 17/08
(11) EP3257363
(21) EP17176045.7
(47) 08.01.2020
(22) 14.06.2017
(54) BINDING MACHINE FOR GARDENING
(73) Max Co., Ltd.
(72) Hayashi, Susumu
Taguchi, Satoshi
(31) 2016119285
(32) 15.06.2016
(33) Japan

(51) A01G 25/16
G05B 19/042
(11) EP3439459
(21) EP16715521.7
(47) 08.01.2020
(87) EP2016057768
12.10.2017
(22) 08.04.2016
(54) INTELLIGENT WATERING PUMP
(73) Husqvarna AB
(72) GUNGL, Johannes
SOOR, Florian
SCHABEL, Thomas
LINK, Juergen
SCHWARZ, Wolfgang

(51) A01H 1/08
C07K 14/415
C12N 15/82
(11) EP2486135
(21) EP10822533.5
(47) 08.01.2020
(87) US2010051483
14.04.2011
(22) 05.10.2010
(54) GENERATION OF HAPLOID PLANTS AND IMPROVED PLANT BREEDING

(73) The Regents of the University of California
(72) CHAN, Simon
MARUTHACHALAM, Ravi
(31) 248996 P
(32) 06.10.2009
(33) United States of America

(51) A01H 4/00
A01G 9/02
(11) EP1761125
(21) EP05752854.9
(47) 08.01.2020
(87) NL2005000427
22.12.2005
(22) 10.06.2005
(54) SUPPORT FOR CULTIVATING BIOLOGICAL MATERIAL
(73) ViVi B.V.
(72) BIJL, Jacob, Johannes
(31) 1026379
(32) 10.06.2004
(33) Netherlands

(51) A01J 5/007
A01J 5/04
A01J 9/04
(11) EP3506739
(21) EP18746015.9
(47) 18.12.2019
(87) NL2018050391
03.01.2019
(22) 14.06.2018
(54) MILKING SYSTEM
(73) Lely Patent N.V.
(72) VAN DE MEERENDONK, Robertus Carolus Maria
(31) 2019130
(32) 27.06.2017
(33) Netherlands

(51) A01J 5/04
A01J 5/08
A01J 5/16
A01J 7/02
A01J 7/04
A01J 9/02
A01J 9/04
(11) EP3355688
(21) EP16760740.7
(47) 08.01.2020
(87) EP2016070998
06.04.2017
(22) 06.09.2016
(54) MILKING INSTALLATION AND ASSOCIATED OPERATING METHOD
(73) Fischer, Friedrich
(72) Fischer, Friedrich
(31) 102015116333
(32) 28.09.2015
(33) Germany

(51) A01K 1/015
C08F 222/02
C08F 228/02
(11) EP3075241
(21) EP16161786.5
(47) 08.01.2020
(22) 27.08.2014
(54) METHOD OF REDUCING ATMOSPHERIC AMMONIA UTILIZING POLYANIONIC POLYMERS
(73) Verdesian Life Sciences U.S., LLC
(72) SANDERS, John Larry
MAZO, Jacob
MAZO, Grigory
(31) 201361870472 P
201461978011 P
201462001110 P
(32) 27.08.2013
10.04.2014
21.05.2014
(33) United States of America
United States of America
United States of America

(51) A01K 11/00
(11) EP3381273
(21) EP18165062.3
(47) 08.01.2020
(22) 29.03.2018
(54) DETERMINATION OF LIFE OF ANIMAL MANAGEMENT TAGS
(73) Nedap N.V.
(72) Lammers, Rudie Jan Hendrik
van Dijk, Jeroen Martin
(31) 2018597
(32) 29.03.2017
(33) Netherlands

(51) A01K 67/027
A61K 38/00
A61K 48/00
C07K 14/47
C07K 14/725
(11) EP3268385
(21) EP16712262.1
(47) 08.01.2020
(87) EP2016055242
22.09.2016
(22) 11.03.2016
(54) COMBINED T CELL RECEPTOR GENE THERAPY OF CANCER AGAINST MHC I AND MHC II-RESTRICTED EPITOPES OF THE TUMOR ANTIGEN NY-ESO-1
(73) Max-Delbrück-Centrum für Molekulare Medizin in der Helmholtz-Gemeinschaft
(72) BLANKENSTEIN, Thomas
PONCETTE, Lucia
CHEN, Xiaojing
(31) 15159001
(32) 13.03.2015
(33) European Patent Office (EPO)

(51) A01K 67/027
A61K 39/395
C07K 14/47
C07K 16/40
(11) EP3067067
(21) EP16164436.4
(47) 08.01.2020
(22) 27.03.2007
(54) METHODS FOR TREATING CONDITIONS ASSOCIATED WITH MASP-2 DEPENDENT COMPLEMENT ACTIVATION
(73) UNIVERSITY OF LEICESTER
Omeros Corporation
(72) SCHWAEBLE, Hans-Wilhelm
STOVER, Cordula Margaret
TEDFORD, Clark E.
PARENT, James B.
FUJITA, Teizo
(31) 788876 P
645359
(32) 03.04.2006
22.12.2006
(33) United States of America
United States of America

(51) A01K 67/027
A61K 49/00
A61P 25/00
C07K 14/75
(11) EP2922392
(21) EP13857454.6
(47) 08.01.2020
(87) US2013070900
30.05.2014
(22) 20.11.2013
(54) ANIMAL MODEL OF NEURONAL INJURY
(73) The J. David Gladstone Institutes
(72) AKASSOGLOU, Katerina
RYU, Jae Kyu
(31) 201261728904 P
201261730835 P
(32) 21.11.2012
28.11.2012
(33) United States of America
United States of America

(51) A01K 87/04
C04B 35/111
C04B 35/117
(11) EP3366128
(21) EP16868660.8
(47) 08.01.2020
(87) JP2016084938
01.06.2017
(22) 25.11.2016
(54) GUIDE MEMBER FOR FISHING LINE
(73) Kyocera Corporation
(72) MIKAKI, Shunji
(31) 2015232503
(32) 28.11.2015
(33) Japan

(51) A01M 1/04
A01M 1/10
A01M 1/20
A01N 43/22
A01N 43/40
A01N 47/22
A01N 49/00
A01N 53/00
A01N 57/16
A01N 63/00
(11) EP2838342
(21) EP13778229.8
(47) 08.01.2020
(87) US2013037422
24.10.2013
(22) 19.04.2013
(54) DUAL ACTION LETHAL CONTAINERS AND COMPOSITIONS FOR KILLING ADULT MOSQUITOS AND LARVAE
(73) University of Florida Research Foundation, Inc.
(72) KOEHLER, Philip, G.
RAGASA, Ephraim, V.
PEREIRA, Robert, M.
(31) 201261635497 P
201361777766 P
(32) 19.04.2012

12.03.2013
(33) United States of America
United States of America

(51) A01M 29/06
(11) EP2779827
(21) EP12795570.6
(47) 08.01.2020
(87) FR2012052654
23.05.2013
(22) 16.11.2012
(54) METHOD AND DEVICE FOR VISUALLY SCARING BIRD SPECIES
(73) Airbus Operations (S.A.S.)
Université de Rennes 1
Centre National de la Recherche Scientifique
(72) PAPIN, Nathalie
HAUSBERGER, Martine
HENRY, Laurence
RICHARD, Jean-Pierre
DE MARGERIE, Emmanuel
(31) 1160545
(32) 18.11.2011
(33) France

(51) A01N 1/00
B01L 3/14
G01N 1/31
(11) EP1816461
(21) EP07008752.3
(47) 08.01.2020
(22) 16.10.2003
(54) Method and device for collecting and preserving cells for analysis
(73) Streck Laboratories, Inc.
(72) Ryan, Wayne L.
(31) 418978 P
(32) 16.10.2002
(33) United States of America

(51) A01N 1/02
(11) EP3177924
(21) EP15829066.8
(47) 08.01.2020
(87) US2015043269
11.02.2016
(22) 31.07.2015
(54) STABILIZATION OF WHOLE BLOOD SAMPLES
(73) The General Hospital Corporation
(72) SANDLIN, Rebecca
WONG, Keith
TESSIER, Shannon
TONER, Mehmet
(31) 201462034481 P
201462037632 P
(32) 07.08.2014
15.08.2014
(33) United States of America
United States of America

(51) A01N 1/02
(11) EP3099164
(21) EP15710244.3
(47) 08.01.2020
(87) IB2015050610
06.08.2015
(22) 27.01.2015
(54) SYSTEM AND METHOD OF PRESERVATION, STORAGE AND TRANSPORT OF BIOLOGICAL MATERIALS
(73) Instituto Superior Técnico
(72) JOAQUIM RODRIGUES, Miguel Ângelo
GERALDES FERNANDES, Vítor Manuel
(31) 10742714
(32) 28.01.2014
(33) Portugal

(51) A01N 25/00
A61K 39/00
C12P 21/04
(11) EP3016512
(21) EP14819813.8
(47) 08.01.2020
(87) US2014045444
08.01.2015
(22) 03.07.2014
(54) SOLUBLE CD33 FOR TREATING MYELODYSPLASTIC SYNDROMES (MDS)
(73) H. Lee Moffitt Cancer Center And Research Institute, Inc.
(72) LIST, Alan F.
WEI, Sheng
(31) 201361843274 P
201461930798 P
201461931366 P
201461978009 P
(32) 05.07.2013
23.01.2014
24.01.2014
10.04.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) A01N 25/04
A01N 25/08
A01N 25/12
A01N 57/20
A01N 59/02
A01N 59/16
A01N 59/20
A01P 3/00
A01P 7/00
A01P 13/00
(11) EP3071039
(21) EP14812641.0
(47) 08.01.2020
(87) IB2014066158
28.05.2015
(22) 19.11.2014
(54) USE OF HYDROXYAPATITE AS A CARRIER OF BIOACTIVE SUBSTANCES FOR TREATING PLANTS
(73) NDG Natural Development Group S.r.l.
(72) MANFREDINI, Gianluca
MERCURI, Rocco
ROVERI, Norberto
LELLI, Marco
MORSELLI, Silvana
CECCHINI, Alice
PIVA, Massimo
(31) 1361357
1452749
1452750
(32) 19.11.2013
28.03.2014
28.03.2014
(33) France
France
France

(51) A01N 25/34
A01N 59/16
A01N 61/00
C08K 3/36
C09D 5/16
C09D 7/61
(11) EP3326465
(21) EP17200781.7
(47) 08.01.2020
(22) 09.11.2017
(54) USE OF BASALT FOR REDUCING FOULING AND/OR AS ANTIBACTERIAL MATERIAL, COATING FOR A SURFACE AND METHOD FOR PRODUCING A COATING
(73) Innovent e.V.
(72) PFUCH, Andreas
DÖPEL, Monika
RAMM, Max
SPANGE, Sebastian
GRÜNLER, Bernd
(31) 102016223453
(32) 25.11.2016
(33) Germany

(51) A01N 33/00
A61K 31/385
A61K 31/621
A61K 31/625
(11) EP3104856
(21) EP15749116.8
(47) 08.01.2020
(87) US2015015380
20.08.2015
(22) 11.02.2015
(54) METHOD OF PRIMING PLANTS AGAINST ABIOTIC STRESS FACTORS
(73) Research Foundation Of The City University Of New York
Cyprus University of Technology
(72) KASHFI, Khosrow
FOTOPOULOS, Vasileios
(31) 201461939064 P
201462006295 P
(32) 12.02.2014
02.06.2014
(33) United States of America
United States of America

(51) A01N 35/02
A01N 37/16
A01N 59/00
A01N 59/16
A61Q 17/00
C02F 1/00
C02F 1/50
C02F 103/28
D21H 21/36
(11) EP2760287
(21) EP12772740.2
(47) 08.01.2020
(87) EP2012069228
04.04.2013
(22) 28.09.2012
(54) PREVENTION OF STARCH DEGRADATION IN PULP, PAPER OR BOARD MAKING PROCESSES
(73) Kemira OYJ

(72) KOLARI, Marko
EKMAN, Jaakko
IKÄVALKO, Satu
(31) 201161541509 P
(32) 30.09.2011
(33) United States of America

(51) A01N 43/40
A01N 43/54
A01N 43/56
C07D 213/65
C07D 401/12
C07D 403/12
C07D 417/12
(11) EP3383848
(21) EP16800991.8
(47) 08.01.2020
(87) EP2016078693
08.06.2017
(22) 24.11.2016
(54) PYRIDINE COMPOUNDS AS FUNGICIDES
(73) BASF SE
(72) GRAMMENOS, Wassilios
WINTER, Christian
MUELLER, Bernd
WOLF, Antje
ESCRIBANO CUESTA, Ana
CAMBEIS, Erica
LOHMANN, Jan Klaas
GROTE, Thomas
KRETSCHMER, Manuel
RIEDIGER, Nadine
CRAIG, Ian Robert
WIEBE, Christine
TERTERYAN-SEISER, Violeta
KOCH, Andreas
FEHR, Marcus
MENTZEL, Tobias
(31) 15197236
(32) 01.12.2015
(33) European Patent Office (EPO)

(51) A01N 43/40
C07D 213/26
C07D 213/61
C07D 213/70
C07D 213/71
C07D 213/81
C07D 401/12
C07D 403/12
C07D 417/12
(11) EP3383849
(21) EP16801781.2
(47) 08.01.2020
(87) EP2016078958
08.06.2017
(22) 28.11.2016
(54) PYRIDINE COMPOUNDS AS FUNGICIDES
(73) BASF SE
(72) GRAMMENOS, Wassilios
WINTER, Christian
MUELLER, Bernd
WOLF, Antje
ESCRIBANO CUESTA, Ana
CAMBEIS, Erica
LOHMANN, Jan Klaas
GROTE, Thomas
KRETSCHMER, Manuel
RIEDIGER, Nadine
CRAIG, Ian Robert
WIEBE, Christine
TERTERYAN-SEISER, Violeta
KOCH, Andreas
FEHR, Marcus
MENTZEL, Tobias
(31) 15197232
(32) 01.12.2015
(33) European Patent Office (EPO)

(51) A01N 43/80
C07D 275/03
C07D 417/12
(11) EP3190110
(21) EP17151894.7
(47) 08.01.2020
(22) 27.08.2012
(54) ISOTHIAZOLINE DERIVATIVES AS INSECTICIDAL COMPOUNDS
(73) Syngenta Participations AG
(72) CASSAYRE, Jérôme, Yves
EL QACEMI, Myriem
(31) 11181057
12175166
(32) 13.09.2011
05.07.2012
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A01N 63/00
A61K 9/00
A61P 25/00
C12N 5/0797
A61K 35/30
(11) EP2913393
(21) EP15156823.5
(47) 08.01.2020
(22) 17.11.2005
(54) Transplantation of human neural cells for treatment of neurodegenerative conditions
(73) Neuralstem, Inc.
(72) Marsala, Martin
Johe, Karl K.
Hazel, Thomas G.
Kakinohama, Osamu
Koliatsos, Vassilis
Yan, Jun
Reier, Paul J.
Velardo, Margaret J.
(31) 629220
(32) 17.11.2004
(33) United States of America

(51) A21B 1/36
A21B 1/42
A21B 1/48
A21B 3/02
F27B 9/14
F27B 9/30
F27B 9/40
A23L 5/10
(11) EP3376872
(21) EP16795357.9
(47) 08.01.2020
(87) EP2016077744
26.05.2017
(22) 15.11.2016
(54) OVEN WITH IMPROVED DRAG
(73) GEA Food Solutions Bakel B.V.
(72) KOP, Ben
VAN LIEROP, Marco
VERBRUGGEN, Paul
(31) 15194963
(32) 17.11.2015
(33) European Patent Office (EPO)

(51) A21B 3/04
F01K 23/00
F22B 1/28
F24C 1/00
F24C 15/32
(11) EP2565542
(21) EP11775033.1
(47) 08.01.2020
(87) JP2011060221
03.11.2011
(22) 27.04.2011
(54) COOKING DEVICE
(73) Sharp Kabushiki Kaisha
(72) NISHIJIMA, Masahiro
UTSUMI, Takashi
FUKUNAGA, Takahiro
(31) 2010183335
2010103616
2010103615
2010103614
2010103613
(32) 18.08.2010
28.04.2010
28.04.2010
28.04.2010
28.04.2010
(33) Japan
Japan
Japan
Japan
Japan

(51) A23B 4/044
A23B 4/048
A23B 4/052
A23B 4/056
A47J 37/06
A47J 37/07
(11) EP3273786
(21) EP16769494.2
(47) 08.01.2020
(87) US2016023419
29.09.2016
(22) 21.03.2016
(54) VERTICAL ELECTRIC COOKER AND SMOKER WITH SMOKE BOX
(73) W.C. Bradley Co.
(72) DIXON, William, A.
ABDALLAH, Sleiman, Assaad
MCQUAGG, Mark, Stephen
(31) 201562138002 P
(32) 25.03.2015
(33) United States of America

(51) A23B 7/158
A47F 3/00
A47F 7/00
B05B 1/14
B05B 1/26
B05B 1/30
B05B 7/00
(11) EP3071334
(21) EP14821699.7
(47) 08.01.2020
(87) FR2014052894

28.05.2015
(22) 13.11.2014
(54) MIST-DIFFUSING HEAD PROVIDED WITH A DEFLECTOR
(73) ARECO FINANCES ET TECHNOLOGIE - ARFITEC
(72) GSCHWIND, Michel
DUBOIS, Julien
SABRAOUI, Abbas
(31) 1361356
(32) 19.11.2013
(33) France

(51) A23C 9/12
A23C 21/02
A61K 35/20
A61K 35/74
A23L 33/135
(11) EP2197287
(21) EP08858623.5
(47) 08.01.2020
(87) FR2008001372
18.06.2009
(22) 02.10.2008
(54) USE OF A BIFIDOBACTERIUM STRAIN FOR PREPARING A COMPOSITION FOR PREVENTING AND/OR TREATING ALLERGIC MANIFESTATIONS
(73) Compagnie Gervais Danone
(72) AUBERT-JACQUIN, Cécile
LECROIX, Francis
PERRIN, Emmanuel
PETAY, Valérie
(31) 0706925
(32) 03.10.2007
(33) France

(51) A23C 9/123
C12N 1/20
C12R 1/225
C12R 1/46
A23K 10/18
A23L 33/135
(11) EP3318625
(21) EP17200484.8
(47) 08.01.2020
(22) 08.11.2017
(54) A LACTIC ACID BACTERIA STRAIN
(73) Innolact Group Oy
(72) HEINONEN, Jussi
TAPAILA, Matti
VON WRIGHT, Atte
(31) 20165837
(32) 08.11.2016
(33) Finland

(51) A23C 9/142
A23L 33/00
A23L 33/19
(11) EP2775850
(21) EP12794738.0
(47) 08.01.2020
(87) FI2012051097
16.05.2013
(22) 09.11.2012
(54) METHOD FOR PRODUCING AN INFANT FORMULA BASE
(73) Valio Ltd
(72) TIKANMÄKI, Reetta
HARJU, Matti Erkki
TOSSAVAINEN, Olli
(31) 20116120
(32) 11.11.2011
(33) Finland

(51) A23C 19/032
A23C 19/068
C12N 1/20
C12R 1/00
C12R 1/46
(11) EP3068232
(21) EP14796493.6
(47) 08.01.2020
(87) EP2014074199
14.05.2015
(22) 10.11.2014
(54) LACTIC ACID BACTERIAL CULTURE
(73) Chr. Hansen A/S
(72) JANNIK TORBEN, Vindeloev
(31) PCT/EP2013/073499
(32) 11.11.2013
(33) World Intellectual Property Office (WIPO)

(51) A23D 9/00
(11) EP3092904
(21) EP15734814.5
(47) 08.01.2020
(87) KR2015000207
16.07.2015
(22) 08.01.2015
(54) SESAME OIL AND METHOD FOR PREPARING SAME
(73) Cj Cheiljedang Corporation
(72) SEO, Jang Won
LEE, Kyu Eun
KIM, Chul Jin
JUNG, Dong Chul
MOON, Jun Hee
LEE, Yoon Hee
LEE, Jae Hwan
(31) 20140002390
(32) 08.01.2014
(33) Korea (Republic)

(51) A23D 9/007
A23D 9/013
C11B 5/00
(11) EP3060066
(21) EP14792440.1
(47) 08.01.2020
(87) EP2014072839
30.04.2015
(22) 24.10.2014
(54) ANTIOXIDANT COMPOSITION INTENDED FOR OXIDATIVE STABILISATION OF MARINE, ANIMAL OR PLANT OILS
(73) Polaris
(72) BRETON, Gildas
LOZACHMEUR, Stéphane
LENNON, Benoît
(31) 1360376
(32) 24.10.2013
(33) France

(51) A23F 5/26
A47J 31/00
A47J 31/36
A47J 31/40
(11) EP3057476
(21) EP14761594.2
(47) 08.01.2020
(87) EP2014068102
23.04.2015
(22) 26.08.2014
(54) METHOD FOR MAKING AND DISPENSING COFFEE-BASED BEVERAGES
(73) Sanremo Coffee Machines SRL
(72) LLOPIS, Francesco Daniele
(31) TV20130172
(32) 18.10.2013
(33) Italy

(51) A23F 5/32
A23F 5/38
A23F 5/40
(11) EP3013151
(21) EP14759054.1
(47) 08.01.2020
(87) IB2014001563
31.12.2014
(22) 19.06.2014
(54) COFFEE PRODUCT
(73) Koninklijke Douwe Egberts B.V.
(72) PENNER, Amy, L.
(31) 201311188
(32) 24.06.2013
(33) United Kingdom

(51) A23G 1/00
A23G 1/54
A23G 3/34
A23G 3/54
(11) EP2934165
(21) EP13799171.7
(47) 08.01.2020
(87) US2013070978
26.06.2014
(22) 20.11.2013
(54) PROCESS FOR MAKING A CONFECTION WITH SUPPORTED FILLING
(73) Mars, Incorporated
(72) KESSELL, Gwendolyn
(31) 201261740987 P
(32) 21.12.2012
(33) United States of America

(51) A23G 3/42
A23G 3/48
A23G 4/06
A23G 4/10
A23L 29/212
A23L 29/30
(11) EP3160252
(21) EP15733433.5
(47) 08.01.2020
(87) EP2015064781
07.01.2016
(22) 30.06.2015
(54) NOVEL FAT-FREE CONFECTIONERY ITEM
(73) Roquette Frères
(72) BRENDEL, Raymond
BUSOLIN, André
(31) 1456221
(32) 30.06.2014
(33) France

(51) A23G 9/00
A23G 9/04
A23G 9/08
(11) EP2775855
(21) EP13748514.0

(47) 08.01.2020
(87) IL2013050125
22.08.2013
(22) 11.02.2013
(54) SYSTEM AND METHOD FOR THE PREPARATION OF COOLED EDIBLE PRODUCTS
(73) Solo Gelato Ltd.
(72) BETH HALACHMI, Barak
(31) 201261598481 P
201261650734 P
201361749652 P
(32) 14.02.2012
23.05.2012
07.01.2013
(33) United States of America
United States of America
United States of America

(51) A23G 9/08
A23G 9/12
A23G 9/22
A47F 3/04
(11) EP3338560
(21) EP17203060.3
(47) 08.01.2020
(22) 22.11.2017
(54) MACHINE FOR MAKING, DISPLAYING AND DISPENSING ICE CREAM
(73) ALI GROUP S.r.l. - CARPIGIANI
(72) COCCHI, Andrea
LAZZARINI, Roberto
(31) 201600130582
(32) 23.12.2016
(33) Italy

(51) A23J 3/00
A61K 35/64
(11) EP3182985
(21) EP15833824.4
(47) 08.01.2020
(87) US2015046141
25.02.2016
(22) 20.08.2015
(54) FIBROIN-DERIVED PROTEIN COMPOSITION
(73) Silk Technologies Ltd.
(72) LAWRENCE, Brian D.
INFANGER, David W.
(31) 201462039675 P
201562193790 P
(32) 20.08.2014
17.07.2015
(33) United States of America
United States of America

(51) A23J 3/20
C12N 1/12
A23L 17/60
(11) EP3298126
(21) EP16727771.4
(47) 08.01.2020
(87) FR2016051163
24.11.2016
(22) 18.05.2016
(54) FERMENTATIVE METHOD FOR BLEACHING BIOMASS OF CHLORELLA PROTOTHECOIDES
(73) Corbion Biotech, Inc.
(72) LE RUYET, Marie
SEGUEILHA, Laurent
DELAROCHE, Sylvain
(31) 1554442
(32) 19.05.2015
(33) France

(51) A23K 20/105
A23K 20/158
A23K 20/24
A23K 40/35
A23K 50/10
(11) EP3203860
(21) EP15781618.2
(47) 08.01.2020
(87) EP2015073479
14.04.2016
(22) 09.10.2015
(54) COMPOSITIONS TO INCREASE MILK FAT PRODUCTION IN LACTATING RUMINANTS AND METHODS USING THE SAME
(73) Nutreco IP Assets B.V.
(72) DOELMAN, John Henry
(31) 2013610
(32) 10.10.2014
(33) Netherlands

(51) A23K 20/111
A23K 50/40
(11) EP3037000
(21) EP16156584.1
(47) 08.01.2020
(22) 23.11.2011
(54) PET FOOD COMPOSITIONS FOR INDUCING A SATIETY RESPONSE
(73) Hill's Pet Nutrition, Inc.
(72) AL-MURRANI, Samer
(31) 201061425008 P
(32) 20.12.2010
(33) United States of America

(51) A23L 2/38
A23L 2/52
A23L 29/10
A23L 29/212
A23L 29/231
A23L 29/238
A23L 29/25
A23L 29/256
A23L 29/262
A23L 33/10
A23L 33/105
(11) EP3207807
(21) EP15850071.0
(47) 08.01.2020
(87) KR2015007070
21.04.2016
(22) 08.07.2015
(54) GINSENG POWDER-CONTAINING BEVERAGE COMPOSITION AND METHOD FOR PREPARING SAME
(73) Cj Cheiljedang Corporation
(72) SEO, Yong Ki
SONG, Ji Hye
PAEK, Se Hee
(31) 20140140727
(32) 17.10.2014
(33) Korea (Republic)

(51) A23L 2/46
A23L 3/02
A23L 3/04
B65B 55/02
B65B 65/00
(11) EP3378330
(21) EP17162250.9
(47) 08.01.2020
(22) 22.03.2017
(54) PASTEURIZATION PLANT AND METHOD FOR OPERATING A PASTEURIZING PLANT
(73) Red Bull GmbH
(72) CONCIN, Roland
DEMOULIN, Gunnar
RINDERER, Christian

(51) A23L 2/52
(11) EP2986143
(21) EP14775080.6
(47) 08.01.2020
(87) US2014026367
02.10.2014
(22) 13.03.2014
(54) USE OF SOLUBLE WHOLE GRAIN OAT FLOUR IN THE PREPARATION OF SLUSHIES
(73) The Quaker Oats Company
(72) CARDER, Gary D.
CHUNG, Yongsoo
DEUTSCH, Ronald G.
FRENCH, Justin A.
FEITO, Juan Carlos Fernandez
LEE, Mayte
LAY MA, Ursula Vanesa
MILLER, Margaret Jane
RAMAGE, Holly
CHATEL, Robert E.
(31) 201361783046 P
(32) 14.03.2013
(33) United States of America

(51) A23L 3/46
A23L 27/00
A23P 10/40
(11) EP3302098
(21) EP16725511.6
(47) 08.01.2020
(87) EP2016061798
01.12.2016
(22) 25.05.2016
(54) SPRAY DRYING
(73) Givaudan S.A.
(72) CHANEY, Michael
SHERMAN, Gregory Alan
(31) 201561166737 P
(32) 27.05.2015
(33) United States of America

(51) A23N 1/02
A47J 19/02
(11) EP3379947
(21) EP16798781.7
(47) 08.01.2020
(87) EP2016078502
01.06.2017
(22) 23.11.2016
(54) A DEVICE FOR EXTRACTING JUICE FROM FRUIT AND/OR VEGETABLE ITEMS
(73) Thompe B.V.
(72) VAN VELZEN, Tom
(31) 2015851
(32) 25.11.2015
(33) Netherlands

(51) A24B 1/02
A24B 3/12
C10L 1/02
C10L 1/06
(11) EP3338566
(21) EP17157803.2
(47) 08.01.2020
(22) 24.02.2017
(54) SYSTEM AND METHOD FOR CURING TOBACCO
(73) Universal Leaf Tobacco Company, Inc.
(72) Fedetto, Fabio
Mahomed, Hanif Mahomed
(31) 201615387371
(32) 21.12.2016
(33) United States of America

(51) A24C 5/32
A24C 5/47
(11) EP3376883
(21) EP16805515.0
(47) 08.01.2020
(87) IB2016056923
26.05.2017
(22) 17.11.2016
(54) CENTERING DEVICE FOR ROD SHAPED ARTICLES OF THE TOBACCO INDUSTRY
(73) International Tobacco Machinery Poland Sp. z o.o.
(72) BOLESLAWSKI, Andrzej
CIESLIKOWSKI, Bartosz
(31) 41485415
(32) 19.11.2015
(33) Poland

(51) A24C 5/34
A24D 1/02
A24D 3/04
A24F 47/00
(11) EP2789248
(21) EP12854784.1
(47) 08.01.2020
(87) JP2012080905
13.06.2013
(22) 29.11.2012
(54) SMOKING ARTICLE AND FILTER
(73) Japan Tobacco Inc.
(72) NAKAMURA, Jun
KIDO, Yuichiro
ICHITSUBO, Hirokazu
KAIHATSU, Yutaka
NINOMIYA, Yu
SUGIYAMA, Akihiro
KANTO, Wakako
INOUE, Yasunobu
(31) 2011269995
2012132374
2012234041
(32) 09.12.2011
11.06.2012
23.10.2012
(33) Japan
Japan
Japan

(51) A24F 47/00
(11) EP3003075
(21) EP14744154.7
(47) 08.01.2020
(87) IB2014061909
11.12.2014
(22) 03.06.2014
(54) KIT FOR INHALING VAPORIZED SUBSTANCES
(73) Old Navigators Limited
(72) LUCIANI, Massimiliano
(31) MI20130903
MI20130211 U
MI20130212 U
MI20131118
(32) 03.06.2013
03.06.2013
03.06.2013
04.07.2013
(33) Italy
Italy
Italy
Italy

(51) A24F 47/00
B41J 2/175
B81B 3/00
F04B 19/00
F04B 43/04
F04B 49/06
(11) EP3380732
(21) EP16868605.3
(47) 08.01.2020
(87) JP2016084755
01.06.2017
(22) 24.11.2016
(54) FLUIDIC PUMP
(73) Funai Electric Co., Ltd.
(72) EDELEN, John Glenn
(31) 201514951836
(32) 25.11.2015
(33) United States of America

(51) A24F 47/00
F16J 15/02
H05B 3/44
(11) EP3366149
(21) EP16856713.9
(47) 08.01.2020
(87) CN2016093522
27.04.2017
(22) 05.08.2016
(54) ELECTRONIC CIGARETTE AND ATOMIZER THEREOF
(73) Shenzhen Smoore Technology Limited
(72) CHEN, Zhiping
(31) 201510690956
201510854348
(32) 22.10.2015
27.11.2015
(33) China
China

(51) A24F 47/00
H05B 1/02
(11) EP3245887
(21) EP17189532.9
(47) 08.01.2020
(22) 06.09.2017
(54) ELECTRONIC CIGARETTE AND TEMPERATURE CONTROL METHOD THEREOF
(73) Shenzhen First Union Technology Co., Ltd.
(72) HU, Shuyun
LI, Yonghai
XU, Zhongli
(31) 201610805396
(32) 06.09.2016
(33) China

(51) A41D 1/04
A41D 13/005
A41D 13/05
A41F 9/00
A45F 3/14
A45F 5/00
A45F 5/02
F41C 33/04
(11) EP3048930
(21) EP14847651.8
(47) 08.01.2020
(87) US2014057468
02.04.2015
(22) 25.09.2014
(54) GEAR TRACK SYSTEM
(73) S & S Precision, LLC
(72) SWAN, Johnny E.
BORLAND, Andrew C.
ELIZALDE, William-Joseph Basan
(31) 201361882405 P
(32) 25.09.2013
(33) United States of America

(51) A41D 7/00
A41D 13/012
A61B 5/00
A61B 5/024
A61B 5/0245
G08B 6/00
G08B 21/04
A41D 1/00
(11) EP3384791
(21) EP18174382.4
(47) 08.01.2020
(22) 28.11.2012
(54) WETSUIT
(73) Roka Sports Inc.
(72) CANALES, Robert, Allen
SPENSER, Kurt, Robert
(31) 201161563885 P
(32) 28.11.2011
(33) United States of America

(51) A41D 13/002
A41D 27/28
(11) EP3370555
(21) EP16797776.8
(47) 08.01.2020
(87) EP2016076680
11.05.2017
(22) 04.11.2016
(54) SPORTSWEAR WITH AT LEAST ONE CONTROLLED TEMPERATURE ZONE
(73) X-Technology Swiss GmbH
(72) LAMBERTZ, Bodo
(31) 102015118892
(32) 04.11.2015
(33) Germany

(51) A41D 13/005
A41D 13/12
A61F 7/03
A61F 7/10
A62B 17/00
(11) EP3057457
(21) EP14787042.2
(47) 08.01.2020
(87) GB2014053110

23.04.2015
(22) 16.10.2014
(54) THERMAL DEVICE
(73) Bodychillz Limited
(72) TOCKER, Stephen McCallum
SIMPSON, William Howden
(31) 201318427
201403499
(32) 18.10.2013
27.02.2014
(33) United Kingdom
United Kingdom

(51) A41D 13/012
A41D 19/00
A41D 27/24
A43B 5/08
A63B 71/14
B29C 44/02
B29K 75/00
B29L 31/48
B29L 31/50
(11) EP3169173
(21) EP15822690.2
(47) 08.01.2020
(87) US2015037143
21.01.2016
(22) 23.06.2015
(54) MOLDED WATERSPORTS AND COLD CLIMATE ACCESSORIES
(73) Solite Innovations LLC
(72) MEISELMAN, James, Alexander
(31) 201414332703
(32) 16.07.2014
(33) United States of America

(51) A41D 27/24
B29C 65/06
B29C 65/08
B29C 65/18
B29C 65/50
B29C 65/74
B29L 31/48
D06H 5/00
(11) EP2838706
(21) EP13778325.4
(47) 08.01.2020
(87) US2013037191
24.10.2013
(22) 18.04.2013
(54) FABRIC WELDING AND CUTTING WHEEL ASSEMBLY
(73) NIKE Innovate C.V.
(72) PEZZIMENTI, Luke, A.
(31) 201213449725
(32) 18.04.2012
(33) United States of America

(51) A41D 31/02
(11) EP3205222
(21) EP17161069.4
(47) 08.01.2020
(22) 14.01.2015
(54) HEAT INSULATION STRUCTURE FOR A GARMENT
(73) Adidas AG
(72) MAUD, Tim
(31) 102014200824
(32) 17.01.2014
(33) Germany

(51) A41H 43/00
B21D 28/06
B26F 1/00
B26F 1/26
B26F 1/44
B26F 3/00
B23K 26/00
B23K 26/38
(11) EP2166889
(21) EP08778546.5
(47) 08.01.2020
(87) KR2008003882
08.01.2009
(22) 02.07.2008
(54) CUTTING FRAME OF HIGH CUTTING EFFICIENCY
(73) LG Chem, Ltd.
(72) LEE, Hokyung
HEO, SOONKI
LEE, Jongku
(31) 20070066910
(32) 04.07.2007
(33) Korea (Republic)

(51) A42B 3/12
A42B 3/32
(11) EP3430928
(21) EP18180695.1
(47) 08.01.2020
(22) 29.06.2018
(54) INNER PADDING FOR PROTECTIVE HELMET
(73) Griot, Denis
(72) Griot, Denis
(31) 1756874
(32) 20.07.2017
(33) France

(51) A43B 1/04
A43B 3/00
A43B 23/02
(11) EP3308667
(21) EP17198952.8
(47) 08.01.2020
(22) 28.05.2014
(54) A KNITTED COMPONENT FOR AN ARTICLE OF FOOTWEAR
(73) NIKE Innovate C.V.
(72) BELL, Thomas
BHUPESH, Dua
HUFFMAN, Julie
LYTTLE, Amy
(31) 201313907054
(32) 31.05.2013
(33) United States of America

(51) A43B 1/04
A43B 5/06
A43B 23/02
A43C 1/04
(11) EP2922434
(21) EP13814673.3
(47) 08.01.2020
(87) US2013070651
30.05.2014
(22) 19.11.2013
(54) FOOTWEAR UPPER INCORPORATING A KNITTED COMPONENT WITH COLLAR AND THROAT PORTIONS
(73) NIKE Innovate C.V.
(72) CRAIG, Kenneth, T.
(31) 201213681842
(32) 20.11.2012
(33) United States of America

(51) A43B 1/04
A43B 23/02
A43B 23/04
A43C 1/04
D04B 1/16
(11) EP3102725
(21) EP14812323.5
(47) 08.01.2020
(87) US2014065131
06.08.2015
(22) 12.11.2014
(54) A KNITTED COMPONENT FOR AN ARTICLE OF FOOTWEAR INCLUDING A FULL MONOFILAMENT UPPER
(73) NIKE Innovate C.V.
(72) PODHAJNY, Daniel A.
(31) 201414170947
(32) 03.02.2014
(33) United States of America

(51) A43B 3/00
A43B 5/02
(11) EP3092913
(21) EP16166347.1
(47) 08.01.2020
(22) 21.04.2016
(54) SHOES FOR BALL SPORTS
(73) adidas AG
Friedrich-Alexander-Universität Erlangen-Nürnberg
(72) Kirk, Robert Frank
Zwick, Constantin
Schuldhaus, Dominik
Eskofier, Björn Michael
Dorschky, Eva Andrea
DiBenedetto, Christian
Sabberton, Ian James
Laitenberger, Peter Georg
(31) 201514694379
(32) 23.04.2015
(33) United States of America

(51) A43B 3/00
A43B 23/00
(11) EP2916677
(21) EP13853805.3
(47) 08.01.2020
(87) US2013069311
15.05.2014
(22) 08.11.2013
(54) FOOTWEAR ARTICLE HAVING CORD STRUCTURE
(73) Fuerst Group, Inc.
(72) AVENI, Michael A.
TAWNEY, John
FUERST, Rory
(31) 201261724797 P
(32) 09.11.2012
(33) United States of America

(51) A43B 3/10
A43B 3/12
(11) EP2695538
(21) EP13179585.8
(47) 08.01.2020
(22) 07.08.2013
(54) Footwear and process for the production and/or assembly of such a footwear
(73) Grendene S.A.

(72) CANEI, Ademir
(31) 102012019839
(32) 08.08.2012
(33) Brazil

(51) A43B 13/18
A43B 13/22
(11) EP3229638
(21) EP15787376.1
(47) 08.01.2020
(87) US2015055642
16.06.2016
(22) 15.10.2015
(54) FOOTWEAR WITH AUXETIC GROUND ENGAGING MEMBERS
(73) NIKE Innovate C.V.
(72) CROSS, Tory M.
(31) 201414565143
(32) 09.12.2014
(33) United States of America

(51) A43D 1/06
A43D 8/10
A43D 8/12
A43D 8/28
A43D 117/00
(11) EP3430936
(21) EP18193119.7
(47) 08.01.2020
(22) 10.09.2013
(54) SYSTEM AND PROCESS FOR AUTOMATED STROBEL PRINTING
(73) NIKE Innovate C.V.
(72) CHON, Yong-Joo
KIM, Doo Young
KIM, Young Gwan
(31) 201213610207
(32) 11.09.2012
(33) United States of America

(51) A43D 1/08
A43D 8/00
A43D 25/06
G05B 19/401
(11) EP3412165
(21) EP18185534.7
(47) 08.01.2020
(22) 19.11.2014
(54) CONDITIONALLY VISIBLE BITE LINES FOR FOOTWEAR
(73) NIKE Innovate C.V.
(72) JURKOVIC, Dragan
HUANG, Chun-Wei
JEAN, Ming-Feng
LIN, Chin-Yi
(31) 201314084359
(32) 19.11.2013
(33) United States of America

(51) A44B 18/00
A44B 19/16
B65D 33/25
(11) EP3173348
(21) EP16206588.2
(47) 08.01.2020
(22) 07.02.2013
(54) SPACED MULTI-RIB ZIPPER
(73) Illinois Tool Works Inc.
(72) SEPTIEN ROJAS, Jose Manuel
OFFA-JONES, Martin John
AUSNIT, Steven
(31) 201261596884 P
201213671719
(32) 09.02.2012
08.11.2012
(33) United States of America
United States of America

(51) A44B 18/00
A61F 2/30
A61F 2/44
(11) EP3108762
(21) EP16175350.4
(47) 08.01.2020
(22) 20.06.2016
(54) KIT FOR BUILDING A CAGE FOR SPONDYLODESIS AND METHOD THEREFOR
(73) Heraeus Medical GmbH
(72) Vogt, Sebastian Dr.
Kluge, Thomas Dr.
(31) 102015110202
2932759
(32) 25.06.2015
09.06.2016
(33) Germany
Canada

(51) A44B 19/26
A44B 19/30
(11) EP3348163
(21) EP16901160.8
(47) 08.01.2020
(87) CN2016105789
17.05.2018
(22) 14.11.2016
(54) SPRING ZIPPER HEAD
(73) Ideal Fastener (Guang Dong) Industries Ltd.
(72) FRANKLIN CHI YEN, Hung
QIU, Gollen
QIU, William
LV, Ali
WU, Fukang

(51) A45C 5/14
B60B 33/00
(11) EP3073852
(21) EP14816017.9
(47) 08.01.2020
(87) US2014067383
04.06.2015
(22) 25.11.2014
(54) DOUBLE-SIDED WHEEL ASSEMBLY AND METHODS THEREOF
(73) Tumi, Inc.
(72) SCICLUNA, Paul V.
(31) 201314093382
(32) 29.11.2013
(33) United States of America

(51) A45D 19/00
A45D 19/06
B01F 15/00
F16K 15/14
(11) EP2890266
(21) EP13756128.8
(47) 08.01.2020
(87) EP2013067927
06.03.2014
(22) 29.08.2013
(54) VALVE, BOWL FOR RECEIVING AND/OR MIXING FLUIDS, USE OF A BOWL AND METHOD FOR RECEIVING AND/OR MIXING FLUIDS
(73) Kao Germany GmbH
(72) IWATSUBO, Mitsugo
LAMBOY, Peter
(31) 12182679
(32) 31.08.2012
(33) European Patent Office (EPO)

(51) A45D 20/00
A47L 5/22
H02K 29/03
H02K 29/08
H02P 6/08
H02P 6/16
(11) EP3154177
(21) EP16191576.4
(47) 08.01.2020
(22) 29.09.2016
(54) AIR FLOW REGULATING DEVICE
(73) Johnson Electric International AG
(72) Zhou, Qiang
Li, Jing
Chai, Jie
Zhang, Tao
Ng, Ka Lung
Lo, Yuk Tung
Ma, Hai Bo
(31) 201510649031
(32) 09.10.2015
(33) China

(51) A45D 27/29
(11) EP3351137
(21) EP17152538.9
(47) 08.01.2020
(22) 20.01.2017
(54) PERSONAL CARE PRODUCT HANDLE
(73) The Gillette Company LLC
(72) Schaefer, Robert
Zegula, Christoph
Paschold, Matthias
Litterst, Christian
von Dahlen, Judith

(51) A45D 27/29
(11) EP3351135
(21) EP17152533.0
(47) 08.01.2020
(22) 20.01.2017
(54) PERSONAL CARE PRODUCT DOCKING SYSTEM WITH FLUX GUIDING MEMBERS
(73) The Gillette Company LLC
(72) Schaefer, Robert
Heubach, Klaus
Wang, Jian
Brömse, Norbert

(51) A45D 27/29
(11) EP3351136
(21) EP17152534.8
(47) 08.01.2020
(22) 20.01.2017
(54) PERSONAL CARE PRODUCT CHARGING SYSTEM SWITH FLUX GUIDING MEMBERS
(73) The Gillette Company LLC
(72) Schaefer, Robert
Heubach, Klaus
Wang, Jian
Brömse, Norbert

(51) A45D 27/29

(11) EP3351134
(21) EP17152532.2
(47) 08.01.2020
(22) 20.01.2017
(54) PERSONAL CARE PRODUCT SYSTEM WITH FLUX GUIDING MEMBERS
(73) The Gillette Company LLC
(72) Schaefer, Robert
Heubach, Klaus
Wang, Jian
Brömse, Norbert

(51) A45D 27/46
E03C 1/086
(11) EP3519637
(21) EP18710320.5
(47) 18.12.2019
(87) EP2018053063
16.08.2018
(22) 07.02.2018
(54) OUTLET DEVICE THAT CAN BE MOUNTED ON A WATER OUTLET
(73) Neoperl GmbH
(72) PFANNSCHMIDT, Holger
(31) 102017102490
(32) 08.02.2017
(33) Germany

(51) A45D 33/00
A45D 40/22
(11) EP2979575
(21) EP14772840.6
(47) 08.01.2020
(87) KR2014002479
02.10.2014
(22) 25.03.2014
(54) COSMETIC CONTAINER HAVING AIRTIGHT REFILL CASE
(73) Jung, Ku Youl
(72) Jung, Ku Youl
(31) 20130032216
(32) 26.03.2013
(33) Korea (Republic)

(51) A45D 40/00
A45D 40/22
A45D 40/26
B05B 11/00
B65D 47/00
B65D 77/04
B65D 83/00
(11) EP3443862
(21) EP17820490.5
(47) 08.01.2020
(87) KR2017006698
04.01.2018
(22) 26.06.2017
(54) COMPACT CONTAINER HAVING MIXING CUSHION AND MIXING MESH
(73) Pum-Tech Korea Co., Ltd
(72) LEE, Do Hoon
(31) 20160080097
(32) 27.06.2016
(33) Korea (Republic)

(51) A45F 3/04
(11) EP3217834
(21) EP15793843.2
(47) 08.01.2020
(87) EP2015076453
19.05.2016
(22) 12.11.2015
(54) BACKPACK
(73) Boards & More GmbH
(72) SCHEIBENZUBER, Robert
(31) 102014116521
102015102061
(32) 12.11.2014
12.02.2015
(33) Germany
Germany

(51) A45F 5/00
B60R 11/00
F16M 11/04
F16M 13/00
F16M 13/02
F16M 13/04
H04M 1/04
H04B 1/3877
(11) EP3429085
(21) EP18192355.8
(47) 18.12.2019
(22) 02.04.2014
(54) APPARATUS FOR MOUNTING A MOBILE DEVICE ON AN AUTOMOTIVE
(73) Aauxx Korea Co., Ltd
(72) Jang, Jin Tae
(31) 20130040554
20130010931
(32) 12.04.2013
31.12.2013
(33) Korea (Republic)
Korea (Republic)

(51) A46B 15/00
B03C 1/28
B08B 1/00
B08B 3/10
B08B 3/14
B08B 7/04
B24B 1/00
B60S 3/00
B60S 3/04
B61K 13/00
(11) EP3424787
(21) EP18182010.1
(47) 08.01.2020
(22) 05.07.2018
(54) SYSTEM FOR WASHING A VEHICLE BODY AND ASSOCIATED METHOD
(73) ALSTOM Transport Technologies
(72) PEREIRA, Jorge
(31) 1756344
(32) 05.07.2017
(33) France

(51) A47B 7/00
A47B 9/00
(11) EP2019606
(21) EP07722589.4
(47) 08.01.2020
(87) DK2007000210
08.11.2007
(22) 01.05.2007
(54) ELECTRICALLY ADJUSTABLE TABLE
(73) Linak A/S
(72) ELLEGAARD, Kent
(31) 200600611
(32) 01.05.2006
(33) Denmark

(51) A47B 13/08
A47B 21/02
A47B 21/06
A47G 11/00
(11) EP3485765
(21) EP18205642.4
(47) 08.01.2020
(22) 12.11.2018
(54) COMPUTER DESK
(73) Arozzi Europe AB
(72) JOHANSSON, Magnus
ANDERSSON, Thomas
(31) 201762587728 P
(32) 17.11.2017
(33) United States of America

(51) A47B 57/34
A47F 5/14
F16B 12/40
(11) EP3221600
(21) EP15860754.9
(47) 08.01.2020
(87) US2015062139
26.05.2016
(22) 23.11.2015
(54) SHELF FRAME ASSEMBLY SYSTEM
(73) Intermetro Industries Corporation
(72) DAHATONDE, Harishchandra
SINHA, Sanjeeb
(31) 3707MU2014
(32) 22.11.2014
(33) India

(51) A47B 57/58
(11) EP3498128
(21) EP17207265.4
(47) 08.01.2020
(22) 14.12.2017
(54) SYSTEM COMPRISING GOODS SUPPORT AND DIVIDERS
(73) Bruegmann GmbH & Co. KG
(72) Brügmann, Lars

(51) A47B 67/04
A47B 88/969
(11) EP3167751
(21) EP16202249.5
(47) 08.01.2020
(22) 17.08.2006
(54) CABINET WITH A PULL-OUT PART
(73) Paul Hettich GmbH & Co. KG
(72) EBMEYER, Wiebke
MÜTERTHIES, Ralf
SCHRÖDER, Gerhard
MERTES, Rolf
SCHUBERT, Michael
GRIESEHOLT, Lars
(31) 202005013184 U
(32) 20.08.2005
(33) Germany

(51) A47B 88/42
A47B 88/437
A47B 88/493
(11) EP3403529
(21) EP18163322.3
(47) 08.01.2020
(22) 22.03.2018
(54) REMOVAL GUIDE
(73) Fulterer AG & Co KG
(72) Müller, Wolfgang
Raid, Karl
(31) 2072017
(32) 17.05.2017

(33) Austria
(51) A47C 1/024
A47C 1/032
A47C 1/034
(11) EP3143902
(21) EP15185187.0
(47) 08.01.2020
(22) 15.09.2015
(54) WALL HUGGER RECLINER
(73) CIAR S.P.A.
(72) MARCANTONI, Egidio

(51) A47C 1/031
A47C 1/032
(11) EP3212037
(21) EP15854799.2
(47) 08.01.2020
(87) NO2015050199
06.05.2016
(22) 27.10.2015
(54) SEATING FURNITURE
(73) Sykkylven Stål AS
(72) SKOG, Lars Magnus
(31) 20141278
(32) 27.10.2014
(33) Norway

(51) A47C 7/18
A47C 27/14
B29C 39/26
B60N 2/58
(11) EP3305586
(21) EP16799726.1
(47) 08.01.2020
(87) JP2016062790
01.12.2016
(22) 22.04.2016
(54) SEAT PAD AND SEAT PAD PRODUCTION DEVICE
(73) Bridgestone Corporation
(72) KUMAGAI, Kenji
TAKAHASHI, Yoshiyuki
SHINOHARA, Toshimitsu
YONEZAWA, Taisuke
(31) 2015108153
(32) 28.05.2015
(33) Japan

(51) A47C 21/02
(11) EP2948026
(21) EP14742950.0
(47) 08.01.2020
(87) US2014012682
31.07.2014
(22) 23.01.2014
(54) ADJUSTABLE BED
(73) Ergomotion, Inc.
(72) ERMALOVICH, Joseph
(31) 201361756297 P
(32) 24.01.2013
(33) United States of America

(51) A47C 21/04
A47C 27/15
(11) EP3285618
(21) EP15890095.1
(47) 08.01.2020
(87) US2015027262
27.10.2016
(22) 23.04.2015
(54) SUPPORT CUSHIONS WITH ACTIVE VENTILATION
(73) Tempur World, LLC
(72) GRIESE, Paul E.
POWELL, Daniel S.
BURTON, Leslie A.
NAVA, Mario A. G.

(51) A47C 21/04
A61G 7/057
(11) EP3378357
(21) EP18162760.5
(47) 08.01.2020
(22) 20.03.2018
(54) AIR-CONDITIONED MATTRESS
(73) Dong Guan Aconic Fabric Co., Ltd
(72) WANG, Yao-I
(31) 106204039 U
(32) 22.03.2017
(33) Taiwan, Province of China

(51) A47C 27/00
A47C 27/14
A47C 27/15
A47C 27/20
A61G 7/057
(11) EP3409145
(21) EP17000927.8
(47) 08.01.2020
(22) 31.05.2017
(54) IMPROVED MATTRESS ASSEMBLY
(73) SQlab GmbH
(72) Hild, Tobias

(51) A47C 31/12
A61B 5/00
A61B 5/11
A61G 7/057
(11) EP3416526
(21) EP17705454.1
(47) 08.01.2020
(87) GB2017050306
24.08.2017
(22) 08.02.2017
(54) PRESSURE MONITORING CUSHION
(73) The Helping Hand Company (Ledbury) Ltd
(72) JAMES, Gavin
MOORE, Stuart
(31) 201602774
(32) 17.02.2016
(33) United Kingdom

(51) A47D 9/00
A47D 15/00
(11) EP2775886
(21) EP12837609.2
(47) 08.01.2020
(87) IB2012002888
16.05.2013
(22) 09.11.2012
(54) MULTIFUNCTIONAL INFANT BED
(73) Enfant Terrible Design AB
(72) FURULAND, Lisa
(31) 201161557757 P
(32) 09.11.2011
(33) United States of America

(51) A47D 13/02
(11) EP2923612
(21) EP14002400.1
(47) 08.01.2020
(22) 12.07.2014
(54) Baby and small child carrier
(73) Schaarschmidt, Lewon
(72) Schaarschmidt, Lewon
(31) 202014002721 U
(32) 28.03.2014
(33) Germany

(51) A47F 3/04
(11) EP3379977
(21) EP16804868.4
(47) 08.01.2020
(87) GB2016053698
01.06.2017
(22) 24.11.2016
(54) IMPROVEMENTS IN REFRIGERATORS
(73) Aerofoil Energy Limited
(72) MCANDREW, Paul Francis
BURKE, Matthew Piers
TURNER, Ian Stuart
(31) 201520795
(32) 25.11.2015
(33) United Kingdom

(51) A47G 19/02
A47G 19/23
A47J 43/18
(11) EP3185726
(21) EP15748216.7
(47) 08.01.2020
(87) EP2015067896
03.03.2016
(22) 04.08.2015
(54) PLATE
(73) Rienäcker, Klaus
(72) Rienäcker, Klaus
(31) 102014112439
(32) 29.08.2014
(33) Germany

(51) A47G 19/22
A61J 9/00
B65D 41/04
B65D 47/08
F16K 7/12
F16K 15/14
(11) EP3191747
(21) EP15766928.4
(47) 08.01.2020
(87) GB2015052616
17.03.2016
(22) 10.09.2015
(54) VALVE ASSEMBLY
(73) Mayborn (UK) Limited
(72) CUDWORTH, Nicholas
SCHOFIELD, Paul
MATTOCKS, Andrew
(31) 201416043
(32) 10.09.2014
(33) United Kingdom

(51) A47G 29/12
A47G 29/14
E05D 3/04
E05D 5/14
E05D 11/00
(11) EP2910153
(21) EP15158358.0
(47) 08.01.2020
(22) 28.06.2013
(54) Device for holding letters, packages and/or goods shipments
(73) BURG-WÄCHTER KG

(72) Lüling, Harald
Matzek, Norbert
(31) 202012103642 U
(32) 21.09.2012
(33) Germany

(51) A47H 5/02
E06B 3/48
E06B 9/32
G06F 3/023
G08C 17/00
H04L 12/28
H04Q 9/00
G06F 3/048
G06F 3/0481
G06F 3/0482
G06F 3/0488
(11) EP2961188
(21) EP13874218.4
(47) 08.01.2020
(87) JP2013005788
28.08.2014
(22) 27.09.2013
(54) PROGRAM AND METHOD FOR CONTROLLING PORTABLE INFORMATION TERMINAL
(73) Panasonic Intellectual Property Corporation of America
(72) SASAKI, Takamitsu
NAITO, Eiichi
(31) 201361766843 P
(32) 20.02.2013
(33) United States of America

(51) A47J 27/14
A47J 47/01
B25J 9/00
B25J 11/00
(11) EP3398731
(21) EP16880804.6
(47) 08.01.2020
(87) CN2016105876
06.07.2017
(22) 15.11.2016
(54) COOKING ROBOT
(73) Qingdao Feast Robot Co., Ltd.
(72) GE, Wu
(31) 201511032244
(32) 31.12.2015
(33) China

(51) A47J 27/21
F24C 15/10
H05B 3/68
H05B 3/74
(11) EP3402310
(21) EP17169883.0
(47) 08.01.2020
(22) 08.05.2017
(54) DETECTING SYSTEM FOR A DRY CONDITION OF A VESSEL
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
(72) ÜNVER, Burak
ÖZKÜCÜK, Serhat

(51) A47J 31/36
A47J 31/44
A47J 31/60
(11) EP3367853
(21) EP16787540.0
(47) 08.01.2020
(87) GB2016053297
04.05.2017
(22) 21.10.2016
(54) WASTE DISPOSAL UNIT
(73) Costa Express Limited
(72) COX, Timothy
CORKER, William
TAYLOR, Nathan
(31) 201518907
(32) 26.10.2015
(33) United Kingdom

(51) A47J 31/36
A47J 31/44
B65D 85/804
(11) EP2918198
(21) EP13852909.4
(47) 08.01.2020
(87) KR2013009875
15.05.2014
(22) 04.11.2013
(54) COFFEE CAPSULE MOUNTING AND REMOVAL STRUCTURE
(73) Coway Co., Ltd.
(72) LEE, Soo-Yeun
OH, Dong-Min
JUNG, Hee-Do
CHOI, Hwan-Seok
KANG, Dae-Sik
CHOI, Jin-Woo
(31) 20120126732
(32) 09.11.2012
(33) Korea (Republic)

(51) A47J 31/40
B65B 1/10
B65B 1/36
B65G 65/48
G01F 11/24
G01F 11/40
(11) EP3376180
(21) EP17160820.1
(47) 08.01.2020
(22) 14.03.2017
(54) DISPENSING DEVICE FOR POWDERS
(73) Daneme Holding B.V.
(72) Tamminga, Jan Bartele
Bodde, Rob Gerardus Hermanus

(51) A47J 31/42
A47J 42/06
A47J 42/38
(11) EP3202290
(21) EP16200426.1
(47) 08.01.2020
(22) 24.11.2016
(54) GRINDER, MILL, DEVICE FOR PREPARING COFFEE WITH A MILL AND METHOD OF MILLING
(73) Eugster/Frismag AG
(72) Kern, Patrick
(31) 102016101839
(32) 03.02.2016
(33) Germany

(51) A47J 33/00
A47J 37/00
A47J 37/04
A47J 37/07
(11) EP3058855
(21) EP14853241.9
(47) 08.01.2020
(87) CL2014000053
23.04.2015
(22) 13.10.2014
(54) PORTABLE, ELECTRIC ROTARY GRILL THAT CAN BE DISASSEMBLED
(73) Soluciones de Diseño Integral, S. A.
(72) PRIETO DOMINGUEZ, Jorge Eduardo
(31) 203002969
(32) 14.10.2013
(33) Chile

(51) A47J 37/06
A47J 37/07
F24B 1/00
(11) EP2872832
(21) EP13819686.0
(47) 08.01.2020
(87) US2013050350
23.01.2014
(22) 12.07.2013
(54) REFRACTORY COOKING DEVICE
(73) Bakerstone International LLC
(72) CASE, Timothy, M.
(31) 201261671725 P
(32) 14.07.2012
(33) United States of America

(51) A47J 43/04
A47J 43/046
A47J 43/07
(11) EP3217852
(21) EP15858552.1
(47) 08.01.2020
(87) US2015060095
19.05.2016
(22) 11.11.2015
(54) APPLIANCE WITH INTEGRATED AGITATOR ASSEMBLY
(73) Sunbeam Products, Inc.
(72) BEHAR, Moises
SPENCER, Jr. Joseph C.
(31) 201462077982 P
(32) 11.11.2014
(33) United States of America

(51) A47K 3/30
B64D 11/02
(11) EP2179923
(21) EP09013468.5
(47) 08.01.2020
(22) 26.10.2009
(54) Modular shower cabin for airplanes
(73) Lufthansa Technik AG
(72) Von Obstfelder, Nico
(31) 102008053228
(32) 27.10.2008
(33) Germany

(51) A47K 10/16
B32B 7/12
B32B 29/00
C08K 5/053
C09J 11/06
C09J 101/10
C09J 101/28
D21H 19/14
D21H 19/34
D21H 27/00
D21H 27/30
D21H 27/32
(11) EP3202869
(21) EP15847995.6
(47) 08.01.2020

(87) JP2015070247
07.04.2016
(22) 15.07.2015
(54) PLY ADHESIVE AND SANITARY TISSUE PAPER
(73) Daio Paper Corporation
(72) MORIWAKI, Teppei
(31) 2014200608
(32) 30.09.2014
(33) Japan

(51) A47K 13/12
A47K 13/26
(11) EP3272258
(21) EP16764231.3
(47) 08.01.2020
(87) CN2016076324
22.09.2016
(22) 15.03.2016
(54) TOILET COVER AND METHOD FOR DEMOUNTING AND INSTALLING UPPER COVER ASSEMBLY OF TOILET COVER
(73) Xiamen Axent Corporation Limited
(72) CHEN, Lianjin
CAI, Zijie
(31) 201510116584
(32) 17.03.2015
(33) China

(51) A47L 5/24
A47L 9/12
A47L 9/16
(11) EP3373789
(21) EP16801344.9
(47) 08.01.2020
(87) US2016061293
18.05.2017
(22) 10.11.2016
(54) HANDHELD VACUUM CLEANER
(73) Techtronic Industries Co., Ltd.
(72) BOHLEN, John
FRIEND, Richard
SAUNDERS, Joseph
MAKAROV, Servey, V.
PAULLA, Kirti, Kant
(31) 201562253508 P
(32) 10.11.2015
(33) United States of America

(51) A47L 9/00
A47L 11/40
A47L 13/22
(11) EP3056128
(21) EP15154518.3
(47) 08.01.2020
(22) 10.02.2015
(54) Floor cleaning apparatus
(73) Black & Decker Inc.
(72) Bone, Graham

(51) A47L 9/00
B25J 9/00
(11) EP2774523
(21) EP14150867.1
(47) 08.01.2020
(22) 13.01.2014
(54) Robot cleaner
(73) LG Electronics Inc.
(72) Sun, Changhwa
Shin, Dongmyung
(31) 20130023564
(32) 05.03.2013
(33) Korea (Republic)

(51) A47L 9/02
(11) EP3500146
(21) EP18707860.5
(47) 08.01.2020
(87) EP2018053436
23.08.2018
(22) 12.02.2018
(54) VACUUM CLEANER NOZZLE HAVING ROTATABLE BRUSH
(73) Koninklijke Philips N.V.
(72) KLEINE-DOEPKE, Bastian, Cornelis
VAN DER WAL, Paul
(31) 17156931
(32) 20.02.2017
(33) European Patent Office (EPO)

(51) A47L 9/04
(11) EP3409169
(21) EP18172809.8
(47) 08.01.2020
(22) 17.05.2018
(54) SUCTION CLEANING ROBOT
(73) BSH Hausgeräte GmbH
(72) Hassfurter, Stefan
Kühnel, Markus
(31) 102017208967
(32) 29.05.2017
(33) Germany

(51) A47L 9/04
(11) EP3409168
(21) EP18172808.0
(47) 08.01.2020
(22) 17.05.2018
(54) CORNER CLEANING MODULE FOR MODULARLY CONSTRUCTED CLEANING ROBOT
(73) BSH Hausgeräte GmbH
(72) Fremerey, Maximilian
(31) 102017208963
(32) 29.05.2017
(33) Germany

(51) A47L 9/10
A47L 9/16
(11) EP2659819
(21) EP13165261.2
(47) 08.01.2020
(22) 25.04.2013
(54) Vacuum cleaner
(73) BSH Hausgeräte GmbH
(72) Balling, Florian
Scheunert, Ulf
Schmitt, Florian
Storath, Martin
(31) 102012207349
(32) 03.05.2012
(33) Germany

(51) A47L 9/16
(11) EP3177193
(21) EP15829745.7
(47) 08.01.2020
(87) KR2015007983
11.02.2016
(22) 30.07.2015
(54) CLEANER AND DUST SEPARATING DEVICE APPLYING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) CHO, Dong Jin
(31) 20140101679
20150007504
(32) 07.08.2014
15.01.2015
(33) Korea (Republic)
Korea (Republic)

(51) A47L 9/28
(11) EP3317792
(21) EP16818890.2
(47) 08.01.2020
(87) US2016040707
05.01.2017
(22) 01.07.2016
(54) ROBOT NAVIGATIONAL SENSOR SYSTEM
(73) iRobot Corporation
(72) BUSHMAN, Tom
HERMAN, James
BLITZBLAU, Seth
DESCHAINE, Nathan J.
REICHEL, Andrew Scott
(31) 201514789511
(32) 01.07.2015
(33) United States of America

(51) A47L 9/28
G05D 1/02
(11) EP2996007
(21) EP15181187.4
(47) 08.01.2020
(22) 17.08.2015
(54) METHOD FOR OPERATING A HOUSEHOLD DEVICE SYSTEM
(73) Miele & Cie. KG
(72) Langhammer, Nils
Laube, Friedrich
Kersting, André
Benner, Florian
Merkel, Lars
(31) 102014113040
(32) 10.09.2014
(33) Germany

(51) A47L 15/00
A47L 15/42
(11) EP2916708
(21) EP12805601.7
(47) 08.01.2020
(87) EP2012072204
15.05.2014
(22) 08.11.2012
(54) DETECTING FILTER CLOGGING
(73) Electrolux Home Products Corporation N.V.
(72) PERS, Per-Erik
SVANBOM, Petter

(51) A47L 15/23
A47L 15/42
A47L 15/50
F16L 37/098
(11) EP2441369
(21) EP11184761.2
(47) 08.01.2020
(22) 12.10.2011
(54) Dishwasher with at least one spray device
(73) BSH Hausgeräte GmbH
(72) Budzynski, Andreas
Büsing, Johannes
(31) 102010042578
(32) 18.10.2010

(33) Germany

(51) A47L 15/42
D06F 37/12
D06F 37/20
D06F 39/12
D06F 58/20
F16G 11/00
(11) EP3469134
(21) EP17730722.0
(47) 08.01.2020
(87) EP2017063674
14.12.2017
(22) 06.06.2017
(54) A HOUSEHOLD APPLIANCE COMPRISING A CABLE HOLDER
(73) Arçelik Anonim Sirketi
(72) CATALTEPE, Servet
OZBEK, Mehmet
METIN, Ergin
CELIK, Irfan
KAPLAN, Gokhan
(31) 201607737
(32) 08.06.2016
(33) Turkey

(51) A47L 15/42
D06F 37/26
(11) EP3454716
(21) EP16722857.6
(47) 08.01.2020
(87) EP2016060321
16.11.2017
(22) 09.05.2016
(54) A HOUSEHOLD APPLIANCE HAVING A TUB MADE OF A COMPOSITE MATERIAL AND A PROCESS FOR PRODUCING SUCH TUB
(73) Arçelik Anonim Sirketi
(72) KAYMAKCI, Orkun
KIRAZ, Hulya
KILIC, Umut
SALMAN, Eren
OZPERK, Elif

(51) A47L 15/42
E05D 11/10
E05F 1/12
F24C 15/02
(11) EP3387328
(21) EP16808945.6
(47) 08.01.2020
(87) EP2016079120
15.06.2017
(22) 29.11.2016
(54) DOMESTIC-APPLIANCE HINGE AND DOMESTIC APPLIANCE
(73) BSH Hausgeräte GmbH
(72) BUCHMANN, Jérémy
DESOR, Jürgen
(31) 15290305
(32) 10.12.2015
(33) European Patent Office (EPO)

(51) A47L 15/42
F04D 15/00
F04D 29/50
F16K 11/044
F16K 11/052
F16K 11/056
F16K 27/02
F16K 31/12
(11) EP3387305
(21) EP16805066.4
(47) 08.01.2020
(87) EP2016079191
15.06.2017
(22) 30.11.2016
(54) SWITCHING-VALVE ARRANGEMENT FOR A WATER-CHANNELLING DOMESTIC APPLIANCE, AND WATER-CHANNELLING DOMESTIC APPLIANCE
(73) BSH Hausgeräte GmbH
(72) EGLMEIER, Hans
(31) 102015224814
(32) 10.12.2015
(33) Germany

(51) A47L 15/42
F16K 15/03
(11) EP2395896
(21) EP10701880.6
(47) 08.01.2020
(87) EP2010051218
19.08.2010
(22) 02.02.2010
(54) HOUSEHOLD DISHWASHING MACHINE AND METHOD FOR SUPPLYING ONE OR A PLURALITY OF RINSING FLUID SPRAYING ARRANGEMENTS
(73) BSH Hausgeräte GmbH
(72) ALMENDROS CARMONA, Ismael Jesus
ASTIZ MONTOYA, Cesar
JERG, Helmut
LIZOAIN MENDOZA, Roberto
LUTZ, Stephan
(31) 102009000878
(32) 16.02.2009
(33) Germany

(51) A47L 15/44
D06F 39/02
(11) EP3327193
(21) EP17201646.1
(47) 08.01.2020
(22) 14.11.2017
(54) CONTAINER DEVICE FOR ARRANGEMENT IN A DOSING SYSTEM OF A HOUSEHOLD APPLIANCE, DOSING SYSTEM, METHOD FOR THE OPERATION OF A DOSING SYSTEM AND METHOD FOR PRODUCING A CONTAINER APPARATUS
(73) Miele & Cie. KG
(72) Strothoff, Werner
Schübel, Dirk
Linaje, Maria-Paz
(31) 102016122902
(32) 28.11.2016
(33) Germany

(51) A47L 15/46
(11) EP2501270
(21) EP10777180.0
(47) 08.01.2020
(87) US2010055223
26.05.2011
(22) 03.11.2010
(54) APPARATUS FOR PROVIDING ZERO STANDBY POWER CONTROL IN AN APPLIANCE
(73) Electrolux Home Products, Inc.
(72) SAUTER, Ken, E.
DEFILIPPI, John
PERKINSON, Kyle, T.
(31) 622149
(32) 19.11.2009
(33) United States of America

(51) A47L 15/50
(11) EP3409182
(21) EP18173470.8
(47) 08.01.2020
(22) 22.05.2018
(54) DISH RACK, IN PARTICULAR CUTLERY DRAWER
(73) Miele & Cie. KG
(72) Tegeler, Daniel
Kröger, Günter
(31) 102017112023
(32) 01.06.2017
(33) Germany

(51) A47L 19/00
(11) EP2735256
(21) EP13193331.9
(47) 08.01.2020
(22) 18.11.2013
(54) Standard bottle drying stand
(73) Dart Industries Inc.
(72) Yessin, Julie L.
(31) 201213683402
(32) 21.11.2012
(33) United States of America

(51) A61B 1/00
A61B 1/012
A61B 1/233
A61M 25/00
A61M 25/01
(11) EP3054830
(21) EP14781995.7
(47) 08.01.2020
(87) US2014056449
23.07.2015
(22) 19.09.2014
(54) INTERVENTIONAL SINUS ENDOSCOPE
(73) Gyrus ACMI, Inc.
(72) OLIG, Chris, P.
BATCHELOR, Kester, J.
FAN, Tailin
(31) 201414155506
(32) 15.01.2014
(33) United States of America

(51) A61B 1/00
A61B 1/04
G02B 23/24
G03B 5/00
G03B 15/00
G03B 35/08
H04N 5/225
H04N 5/232
H04N 7/18
(11) EP3278709
(21) EP16772003.6
(47) 08.01.2020
(87) JP2016055711
06.10.2016
(22) 25.02.2016
(54) MEDICAL OBSERVATION DEVICE, INFORMATION PROCESSING METHOD, PROGRAM AND VIDEO MICROSCOPE DEVICE
(73) Sony Corporation

(72) SUGIE, Yuki
(31) 2015073835
(32) 31.03.2015
(33) Japan

(51) A61B 1/00
A61B 1/045
A61B 1/06
A61B 1/267
(11) EP2515741
(21) EP10801111.5
(47) 08.01.2020
(87) DE2010001246
30.06.2011
(22) 25.10.2010
(54) METHOD FOR STROBOSCOPICALLY EXAMINING REPEATING PROCESSES AND ARRANGEMENT FOR PERFORMING SAID METHOD
(73) XION GmbH
(72) LASER, Helmut
THOMAS, Björn
(31) 102009060500
(32) 22.12.2009
(33) Germany

(51) A61B 1/00
A61B 1/05
A61B 1/06
A61B 1/07
G06T 7/00
G06T 7/90
(11) EP3269295
(21) EP16727926.4
(47) 08.01.2020
(87) JP2016055144
01.09.2016
(22) 23.02.2016
(54) IMAGE PROCESSING DEVICE
(73) HOYA Corporation
(72) IKEMOTO, Yousuke
MINAKUCHI, Tadashi
KOMORO, Atsushi
TACHIBANA, Toshio
OTA, Noriko
(31) 2015037539
(32) 27.02.2015
(33) Japan

(51) A61B 1/00
A61B 1/06
A61B 1/12
A61B 5/107
(11) EP3278708
(21) EP16771992.1
(47) 08.01.2020
(87) JP2016055559
06.10.2016
(22) 25.02.2016
(54) ENDOSCOPIC DIAGNOSTIC DEVICE
(73) FUJIFILM Corporation
(72) KAKU Toshihiko
(31) 2015070215
(32) 30.03.2015
(33) Japan

(51) A61B 1/00
A61B 1/07
A61B 5/00
A61B 5/02
A61B 8/00
A61B 8/08
A61B 8/12
(11) EP3199109
(21) EP15844199.8
(47) 08.01.2020
(87) JP2015077171
31.03.2016
(22) 25.09.2015
(54) IMAGE DIAGNOSTIC PROBE
(73) Terumo Kabushiki Kaisha
(72) TOKIDA, Masanori
(31) 2014197499
(32) 26.09.2014
(33) Japan

(51) A61B 1/00
A61B 17/00
A61B 34/30
(11) EP3175813
(21) EP16180007.3
(47) 08.01.2020
(22) 16.09.2011
(54) ROBOTICALLY CONTROLLED STEERABLE CATHETERS
(73) Auris Health, Inc.
(72) YU, Alan, Lau
ALVAREZ, Jeffrey, B.
MACNAMARA, Francis
MILLER, Teresa
REIS, Gene
ROMO, Enrique
STAHLER, Gregory, J.
TANNER, Neal, A.
WALKER, Sean, P.
WEISS, Aaron, M.
SEWELL, Christopher, M.
(31) 384220 P
201161482598 P
201113174638
201113174605
201113174563
201113174536
201113174455
201113173994
(32) 17.09.2010
04.05.2011
30.06.2011
30.06.2011
30.06.2011
30.06.2011
30.06.2011
30.06.2011
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America

(51) A61B 1/00
G02B 23/24
G02B 26/10
(11) EP2416200
(21) EP11176122.7
(47) 08.01.2020
(22) 01.08.2011
(54) Endoscope with adjustable viewing direction
(73) Karl Storz SE & Co. KG
(72) Weiger, Ulrich
Leibinger, Doris
(31) 102010033425
(32) 04.08.2010
(33) Germany

(51) A61B 1/00
G02B 23/24
H04N 5/225
H04N 5/232
(11) EP3130276
(21) EP16183359.5
(47) 08.01.2020
(22) 09.08.2016
(54) ENDOSCOPE WITH WIDE ANGLE LENS AND ADJUSTABLE VIEW
(73) M.S.T. Medical Surgery Technologies Ltd.
(72) NIR, Tal
PFEFFER, Yehuda (Udi)
(31) 201562203936 P
(32) 12.08.2015
(33) United States of America

(51) A61B 1/00
H02K 1/27
H02K 7/08
H02K 7/106
H02K 7/14
H02K 41/03
(11) EP2362529
(21) EP11155936.5
(47) 08.01.2020
(22) 25.02.2011
(54) Linear drive powered by reluctance and Lorentz force
(73) Karl Storz SE & Co. KG
(72) Vogel, Walter
(31) 102010000583
(32) 26.02.2010
(33) Germany

(51) A61B 1/04
(11) EP3369362
(21) EP16859591.6
(47) 08.01.2020
(87) JP2016080496
04.05.2017
(22) 14.10.2016
(54) INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND ENDOSCOPE SYSTEM
(73) Sony Corporation
(72) SHIRAKI Hisakazu
YAMANE Masahito
TAKAHASI Kenji
UEMORI Takeshi
FUKAZAWA Kentaro
(31) 2015213767
(32) 30.10.2015
(33) Japan

(51) A61B 1/04
A61B 1/05
A61B 34/20
G06T 7/00
(11) EP2884879
(21) EP13829698.3
(47) 08.01.2020
(87) US2013054555
20.02.2014
(22) 12.08.2013

(54) SYSTEMS AND METHODS FOR REGISTRATION OF MULTIPLE VISION SYSTEMS
(73) Intuitive Surgical Operations, Inc.
(72) ZHAO, Tao
CHOPRA, Prashant
(31) 201261682966 P
(32) 14.08.2012
(33) United States of America

(51) A61B 1/07
F21V 8/00
G01N 21/64
G02B 6/00
G02B 6/42
(11) EP2882994
(21) EP13828070.6
(47) 08.01.2020
(87) US2013053787
13.02.2014
(22) 06.08.2013
(54) SPECTRAL ILLUMINATION DEVICE AND METHOD
(73) University of South Alabama
(72) LEAVESLEY, Silas
(31) 201261742303 P
(32) 07.08.2012
(33) United States of America

(51) A61B 1/07
G01B 9/02
G01B 11/24
G01B 11/25
G01B 11/30
(11) EP1687587
(21) EP04817883.4
(47) 08.01.2020
(87) US2004039454
16.06.2005
(22) 24.11.2004
(54) METHOD AND APPARATUS FOR THREE-DIMENSIONAL SPECTRALLY ENCODED IMAGING
(73) THE GENERAL HOSPITAL CORPORATION
(72) YELIN, Dvir
BOUMA, Brett, E.
TEARNEY, Guillermo, J.
IFTIMIA, Nicusor
(31) 525684 P
(32) 28.11.2003
(33) United States of America

(51) A61B 3/00
A61B 3/10
A61F 9/008
A61F 9/009
(11) EP3329885
(21) EP16020480.6
(47) 08.01.2020
(22) 05.12.2016
(54) OPHTHALMIC PATIENT INTERFACE DEVICE
(73) Ziemer Ophthalmic Systems AG
(72) Rathjen, Christian

(51) A61B 3/00
A61B 3/113
A61B 5/16
(11) EP2925210
(21) EP13820788.1
(47) 08.01.2020
(87) FR2013052879
05.06.2014
(22) 27.11.2013
(54) METHOD AND SYSTEM FOR COLLECTING A RETURN SACCADE PARAMETER DURING A VISUAL TEST, AND USE FOR DIAGNOSING AN OCULOMOTOR DISORDER
(73) Suricog
(72) SEASSAU, Magali
(31) 1261521
(32) 30.11.2012
(33) France

(51) A61B 3/10
G01N 21/43
G01N 33/84
G01N 21/552
(11) EP3374756
(21) EP16801346.4
(47) 08.01.2020
(87) US2016061424
18.05.2017
(22) 10.11.2016
(54) SYSTEMS AND METHODS FOR DETERMINING SAMPLE OSMOLARITY
(73) LacriSciences LLC
(72) GAVARIS, Paul T.
GEDDES, Chris D.
GHOVANLOU, Ali H.
(31) 201562253595 P
(32) 10.11.2015
(33) United States of America

(51) A61B 3/11
A61B 5/00
A61B 5/0205
A61B 5/0402
A61B 5/0476
A61B 5/048
A61B 5/053
A61M 21/00
A61N 1/04
A61N 1/20
A61N 1/32
A61N 1/36
(11) EP3065815
(21) EP14860595.9
(47) 08.01.2020
(87) US2014063843
14.05.2015
(22) 04.11.2014
(54) METHODS, APPARATUSES AND SYSTEMS FOR TRANSCRANIAL STIMULATION
(73) The University of North Carolina at Chapel Hill
(72) BOYLE, Michael R.
FROHLICH, Flavio
(31) 201361899954 P
(32) 05.11.2013
(33) United States of America

(51) A61B 3/113
G02B 26/10
G02B 27/42
(11) EP3171754
(21) EP15824342.8
(47) 08.01.2020
(87) US2015041627
28.01.2016
(22) 22.07.2015
(54) METHOD AND APPARATUS FOR FIXATION MEASUREMENT
(73) Rebiscan, Inc.
(72) WINSOR, Robert, Scott
(31) 201462028348 P
(32) 24.07.2014
(33) United States of America

(51) A61B 5/00
A61B 5/0205
A61B 5/024
A61B 5/08
A61B 5/11
(11) EP3442401
(21) EP17715741.9
(47) 08.01.2020
(87) EP2017058171
19.10.2017
(22) 06.04.2017
(54) SLEEP SIGNAL CONDITIONING DEVICE AND METHOD
(73) Koninklijke Philips N.V.
(72) SCHUIJERS, Erik, Gosuinus, Petrus
(31) 16165483
(32) 15.04.2016
(33) European Patent Office (EPO)

(51) A61B 5/00
A61B 5/021
A61B 5/024
A61B 5/11
(11) EP3106084
(21) EP16159543.4
(47) 08.01.2020
(22) 10.03.2016
(54) METHOD AND APPARATUS FOR EVALUATING PHYSIOLOGICAL AGING LEVEL
(73) Samsung Electronics Co., Ltd.
(72) JANG, Dae-Geun
KIM, Sang Joon
KIM, Jong Pal
JUNG, Seungchul
(31) 20150084430
(32) 15.06.2015
(33) Korea (Republic)

(51) A61B 5/00
A61B 5/024
A61B 5/11
G06F 3/00
(11) EP3020331
(21) EP15193143.3
(47) 08.01.2020
(22) 05.11.2015
(54) IMPROVING WRIST DEVICE EFFICIENCY
(73) Polar Electro Oy
(72) Korkala, Seppo
Majava, Ville
Orava, Matti
Putila, Veli-Pekka
Isopoussu, Ari
Haapakoski, Heli
(31) 201414542379
(32) 14.11.2014
(33) United States of America

(51) A61B 5/00
A61B 5/04
A61B 5/0488

A61B 5/11
G09B 5/02
G09B 19/00
(11) EP3217870
(21) EP14812340.9
(47) 08.01.2020
(87) US2014065703
19.05.2016
(22) 14.11.2014
(54) SYSTEM FOR MOTOR REHABILITATION OF A PARETIC LIMB IN STROKE PATIENTS
(73) Fundación Tecnalia Research & Innovation
The Regents of the University of California
Eberhard Karls Universität Tübingen
(72) RAMOS MURGUIALDAY, Ander
BIRBAUMER, Niels
CARMENA RAMON, Jose Miguel

(51) A61B 5/00
A61B 5/0402
A61B 5/145
A61B 5/1455
A61B 5/1495
(11) EP3389493
(21) EP16810310.9
(47) 08.01.2020
(87) EP2016080160
22.06.2017
(22) 08.12.2016
(54) METHODS AND APPARATUS FOR CALIBRATING A MEDICAL MONITORING DEVICE
(73) Koninklijke Philips N.V.
(72) PATIL, Meru, Adagouda
BUSSA, Nagaraju
RAGHOTHAM VENKAT, Prasad
(31) 6716CH2015
(32) 15.12.2015
(33) India

(51) A61B 5/00
A61B 5/042
A61B 5/06
(11) EP3434180
(21) EP18192797.1
(47) 08.01.2020
(22) 08.06.2017
(54) DUAL-FUNCTION SENSORS FOR A BASKET CATHETER
(73) Biosense Webster (Israel) Ltd.
(72) LEVIN, Michael
REUVENI, Avi
BAR-TAL, Meir
HIGHSMITH, Debby Esther
GARCIA, Ariel
OSADCHY, Daniel
AUERBACH, Shmuel
(31) 201615177775
(32) 09.06.2016
(33) United States of America

(51) A61B 5/00
A61B 5/055
A61B 6/00
A61B 6/03
A61B 6/04
A61D 7/04
A61M 16/00
(11) EP3351178
(21) EP18152384.6
(47) 08.01.2020
(22) 18.01.2018
(54) SCANNING IMAGING DEVICE AND ANIMAL CARRYING BED THEREOF
(73) Delta Electronics, Inc.
(72) TSAI, Yi-Da
HSU, Chih-Yuan
(31) 201762448522 P
106144068
(32) 20.01.2017
15.12.2017
(33) United States of America
Taiwan, Province of China

(51) A61B 5/00
A61B 5/055
A61N 5/10
G01R 33/38
G01R 33/48
(11) EP2638409
(21) EP11785125.3
(47) 08.01.2020
(87) IB2011054858
18.05.2012
(22) 02.11.2011
(54) MAGNETIC RESONANCE IMAGING AND RADIOTHERAPY APPARATUS WITH AT LEAST TWO-TRANSMIT-AND RECEIVE CHANNELS
(73) Koninklijke Philips N.V.
(72) HARVEY, Paul Royston
(31) 10190476
(32) 09.11.2010
(33) European Patent Office (EPO)

(51) A61B 5/00
A61B 5/06
A61B 10/02
A61B 34/00
A61B 90/00
A61B 90/10
(11) EP3391828
(21) EP18176960.5
(47) 08.01.2020
(22) 28.11.2005
(54) GRAPHICAL USER INTERFACE FOR TISSUE BIOPSY SYSTEM
(73) Senorx, Inc.
(72) Daw, Derek
Louw, Frank R.
Lubock, Paul
Quick, Richard L.
Shabaz, Martin V.
(31) 631338 P
284641
(32) 29.11.2004
22.11.2005
(33) United States of America
United States of America

(51) A61B 5/00
A61B 5/107
(11) EP3383251
(21) EP16805062.3
(47) 08.01.2020
(87) EP2016079134
08.06.2017
(22) 29.11.2016
(54) FETAL POSITION MONITORING SYSTEM AND METHOD
(73) Koninklijke Philips N.V.
(72) TIAN, Cong
LI, Lin
WU, Yu, Qiang
WEN, Guang, Li
LOU, Xiaojun
(31) PCT/CN2015/095971
16150399
(32) 30.11.2015
07.01.2016
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) A61B 5/00
A61B 5/145
(11) EP2424426
(21) EP10770388.6
(47) 08.01.2020
(87) US2010033066
04.11.2010
(22) 29.04.2010
(54) METHOD AND SYSTEM FOR PROVIDING DATA COMMUNICATION IN CONTINUOUS GLUCOSE MONITORING AND MANAGEMENT SYSTEM
(73) Abbott Diabetes Care, Inc.
(72) SICURELLO, Jeffrey Mario
DINH, Hung
SLOAN, Mark Kent
(31) 181755 P
173599 P
(32) 28.05.2009
29.04.2009
(33) United States of America
United States of America

(51) A61B 5/00
A61B 5/145
A61B 5/1486
C12Q 1/54
G01N 33/66
G16H 10/40
G16H 40/63
(11) EP3218834
(21) EP15816551.4
(47) 08.01.2020
(87) US2015060653
19.05.2016
(22) 13.11.2015
(54) ANALYTE METER
(73) Ascensia Diabetes Care Holdings AG
(72) CHEN, Jun
LIEBER, Harris
NELSON, Erik
REYNOLDS, Jeffery S.
CURRAN, Kevin
MEHTA, Aseem
ROUNTREE, Dawn
(31) 201462080067 P
(32) 14.11.2014
(33) United States of America

(51) A61B 5/00
A61B 5/145
A61B 8/00
H01S 3/092
H01S 3/102
H01S 3/106
H01S 3/11
H01S 3/16
(11) EP2737856

(21) EP12820356.9
(47) 08.01.2020
(87) JP2012068933
07.02.2013
(22) 26.07.2012
(54) PHOTOACOUSTIC IMAGE-GENERATING APPARATUS AND ACOUSTIC UNIT
(73) Fujifilm Corporation
(72) HIROTA Kazuhiro
KASAMATSU Tadashi
(31) 2011166977
2012160426
(32) 29.07.2011
19.07.2012
(33) Japan
Japan

(51) A61B 5/00
A61B 5/145
G01N 35/00
(11) EP2618156
(21) EP11824744.4
(47) 08.01.2020
(87) JP2011005046
22.03.2012
(22) 08.09.2011
(54) BIOLOGICAL SAMPLE MEASURING DEVICE FOR MEDICAL INSTITUTIONS
(73) PHC Holdings Corporation
(72) MATSUMURA, Keisuke
(31) 2010207496
(32) 16.09.2010
(33) Japan

(51) A61B 5/00
A61B 8/00
A61B 8/13
(11) EP3351182
(21) EP16845928.7
(47) 08.01.2020
(87) JP2016004110
23.03.2017
(22) 09.09.2016
(54) PROBE FOR OPTOACOUSTIC MEASUREMENT, AND PROBE UNIT AND OPTOACOUSTIC MEASUREMENT DEVICE PROVIDED WITH SAME
(73) FUJIFILM Corporation
(72) HASHIMOTO, Atsushi
IRISAWA, Kaku
OSAWA, Atsushi
(31) 2015184762
(32) 18.09.2015
(33) Japan

(51) A61B 5/00
A61N 1/05
A61N 1/18
A61N 1/36
(11) EP2753398
(21) EP12830817.8
(47) 08.01.2020
(87) US2012054403
14.03.2013
(22) 10.09.2012
(54) SYSTEM FOR PROVIDING TARGETED ELECTRICAL STIMULATION TO TISSUE
(73) Checkpoint Surgical, LLC
(72) STROTHER, Robert, B.
SAKAI, Jonathan
(31) 201161532550 P
(32) 08.09.2011
(33) United States of America

(51) A61B 5/00
H04W 36/08
H04W 84/12
(11) EP3375220
(21) EP16794306.7
(47) 08.01.2020
(87) EP2016077078
18.05.2017
(22) 09.11.2016
(54) ADAPTIVE ROAMING ALGORITHM FOR A MOBILE PATIENT MONITORING DEVICE USING MOVEMENT CLASSIFICATION
(73) Koninklijke Philips N.V.
(72) HARROD IV, John, Price
ROSNOV, Brian
(31) 201562254450 P
(32) 12.11.2015
(33) United States of America

(51) A61B 5/02
A61B 5/04
A61K 48/00
C07H 21/04
C12N 15/11
(11) EP3068440
(21) EP14861204.7
(47) 08.01.2020
(87) US2014065834
21.05.2015
(22) 14.11.2014
(54) INHIBITION OF OXIDATIVE STRESS IN ATRIAL FIBRILLATION
(73) Northwestern University
(72) ARORA, Rishi
(31) 201361904925 P
(32) 15.11.2013
(33) United States of America

(51) A61B 5/0215
A61B 6/00
A61B 8/04
A61B 8/12
A61F 2/95
A61B 90/00
(11) EP3229696
(21) EP15805628.3
(47) 08.01.2020
(87) IB2015059061
16.06.2016
(22) 24.11.2015
(54) PATIENT EDUCATION FOR PERCUTANEOUS CORONARY INTERVENTION TREATMENTS
(73) Koninklijke Philips N.V.
Volcano Corporation
(72) KELLER, Jacqueline
(31) 201462089062 P
(32) 08.12.2014
(33) United States of America

(51) A61B 5/024
A61B 5/08
A61B 5/145
A63B 24/00
A63B 71/06
G01S 13/72
G01S 13/75
G06K 9/00
G08B 13/14
G06Q 10/08
G06Q 50/28
G01S 5/02
A63B 102/22
G06T 7/00
G06T 7/20
(11) EP3396401
(21) EP18176131.3
(47) 08.01.2020
(22) 21.11.2011
(54) ASSOCIATIVE OBJECT TRACKING SYSTEMS AND METHODS
(73) Isolynx, LLC
Deangelis, Douglas J.
Evansen, Edward G.
Reilly, Gerard M.
(72) DeANGELIS, Douglas J.
EVANSEN, Edward G.
REILLY, Gerard M.
(31) 41570710 P
(32) 19.11.2010
(33) United States of America

(51) A61B 5/024
A61B 5/11
A61B 5/22
(11) EP3046462
(21) EP14758888.3
(47) 08.01.2020
(87) EP2014068642
19.03.2015
(22) 03.09.2014
(54) SYSTEM AND METHOD FOR ESTIMATING CARDIOVASCULAR FITNESS OF A PERSON
(73) Koninklijke Philips N.V.
(72) SARTOR, Francesco
BONOMI, Alberto Giovanni
(31) 13184505
(32) 16.09.2013
(33) European Patent Office (EPO)

(51) A61B 5/042
A61B 5/046
A61B 17/00
A61B 18/00
A61B 18/14
A61B 18/24
A61N 1/18
(11) EP2641556
(21) EP13160122.1
(47) 08.01.2020
(22) 20.03.2013
(54) Flower catheter for mapping and ablating veinous and other tubular locations
(73) Biosense Webster (Israel) Ltd.
(72) Fang, Itzhak
(31) 201213425895
(32) 21.03.2012
(33) United States of America

(51) A61B 5/042
A61B 18/14
A61B 18/18
A61N 1/05
A61M 25/10
(11) EP2825121
(21) EP13793216.6
(47) 08.01.2020

(87) CA2013050350
28.11.2013
(22) 06.05.2013
(54) HIGH-DENSITY ELECTRODE-BASED MEDICAL DEVICE SYSTEM
(73) Kardium Inc.
(72) LOPES, Fernando Luis De Souza
MOISA, Saar
HAWES, Peter Josiah
(31) 201261649734 P
201261670881 P
201261723311 P
201261734750 P
201313793076
201313793213
(32) 21.05.2012
12.07.2012
06.11.2012
07.12.2012
11.03.2013
11.03.2013
(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) A61B 5/05
A61B 5/145
(11) EP3432793
(21) EP17719725.8
(47) 08.01.2020
(87) IL2017050357
28.09.2017
(22) 22.03.2017
(54) SYSTEM FOR NON-INVASIVE MONITORING OF BLOOD CONDITIONS
(73) Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.
(72) FELDMAN, Yuri
BEN-ISHAI, Paul
YEDGAR, Saul
BARSHTEIN, Gregory
CADUFF, Andreas
(31) 201662312038 P
(32) 23.03.2016
(33) United States of America

(51) A61B 5/055
A61B 5/06
(11) EP3217873
(21) EP15858645.3
(47) 08.01.2020
(87) CA2015051173
19.05.2016
(22) 12.11.2015
(54) SYSTEM AND METHOD FOR DEVICE TRACKING VIA MAGNETIC RESONANCE IMAGING WITH LIGHT-MODULATED MAGNETIC SUSCEPTIBILITY MARKERS
(73) Sunnybrook Research Institute
(72) CUNNINGHAM, Charles
(31) 201462078794 P
(32) 12.11.2014
(33) United States of America

(51) A61B 5/06
A61B 8/08
A61M 25/01
(11) EP2409643
(21) EP10753118.8
(47) 08.01.2020
(87) CN2010071068
23.09.2010
(22) 16.03.2010
(54) HUMAN CAVITY WALL THREE-DIMENSIONAL MEASURE METHOD, INSTRUMENT AND SYSTEM
(73) Shanghai Microport EP Medtech Co., Ltd.
(72) LIU, Daozhi
SUN, Yiyong
MA, Changsheng
ZHANG, Guowang
GUO, Junmin
CHENG, Huasheng
(31) 200910047713
(32) 16.03.2009
(33) China

(51) A61B 5/06
A61B 34/20
A61B 90/00
(11) EP3216414
(21) EP17162328.3
(47) 08.01.2020
(22) 07.04.2014
(54) MEDICAL DEVICE FOR SURGICAL NAVIGATION
(73) IZI Medical Products, LLC
(72) HULDIN, Nelson. L
ROSSNER, Holger-Claus
GROENKE, Greg
(31) 201414245141
(32) 04.04.2014
(33) United States of America

(51) A61B 5/08
A61B 5/091
A61M 16/00
(11) EP3270993
(21) EP16717238.6
(47) 08.01.2020
(87) DE2016100106
22.09.2016
(22) 10.03.2016
(54) RESPIRATORS
(73) Fritz Stephan GmbH Medizintechnik
(72) BRAUN, Wolfgang
HERBER-JONAT, Susanne
HÖHNE, Bernd
HUMMLER, Helmut
SCHULZE, Andreas
(31) 102015103894
(32) 17.03.2015
(33) Germany

(51) A61B 5/08
G01N 21/03
G01N 21/85
G01N 21/35
(11) EP2791650
(21) EP12813498.8
(47) 08.01.2020
(87) IB2012056831
20.06.2013
(22) 29.11.2012
(54) SYSTEM AND METHOD OF MONITORING COMPOSITION OF A FLOW OF BREATHABLE GAS USING A DETECTOR AND EMITTER POSITIONED ON THE SAME SIDE OF THE FLOW OF BREATHABLE GAS
(73) Koninklijke Philips N.V.
(72) RUSSELL, James
(31) 201161576594 P
(32) 16.12.2011
(33) United States of America

(51) A61B 5/11
(11) EP3492012
(21) EP18020136.0
(47) 08.01.2020
(22) 06.04.2018
(54) METHOD AND SYSTEM OF OBTAINING HUMAN POSTURE
(73) Chengdu Siwuge Technology Co., Ltd
(72) Chou, Mi
(31) 201711258283
(32) 04.12.2017
(33) China

(51) A61B 5/1455
G01N 21/84
(11) EP2849648
(21) EP13791055.0
(47) 08.01.2020
(87) US2013041510
21.11.2013
(22) 17.05.2013
(54) Fish eye lens imaging apparatus and imaging method
(73) Siemens Healthcare Diagnostics Inc.
(72) MURRAY, Paul
(31) 201261648839 P
(32) 18.05.2012
(33) United States of America

(51) A61B 5/1477
(11) EP2922469
(21) EP13857061.9
(47) 08.01.2020
(87) US2013069354
30.05.2014
(22) 09.11.2013
(54) NON-INVASIVE REAGENTLESS GLUCOSE DETERMINATION
(73) Halaka, Folim
(72) Halaka, Folim
(31) 201213683924
(32) 21.11.2012
(33) United States of America

(51) A61B 5/15
A61K 35/16
(11) EP2430977
(21) EP10724545.8
(47) 08.01.2020
(87) ES2010000207
18.11.2010
(22) 12.05.2010
(54) METHOD FOR PREPARING AT LEAST ONE COMPOUND FROM BLOOD, AND SAMPLING DEVICE FOR USE WHEN CARRYING OUT SAID METHOD
(73) Biotechnology Institute, I Mas D, S.L.
(72) ANITUA ALDECOA, Eduardo
(31) 200901227
201000306
(32) 14.05.2009
10.03.2010
(33) Spain

Spain

(51) A61B 6/00
(11) EP2865335
(21) EP14190379.9
(47) 08.01.2020
(22) 24.10.2014
(54) Scanning system for three-dimensional imaging
(73) Institute of Nuclear Energy Research Atomic Energy Council, Executive Yuan
(72) Jan, Meei-Ling
Tseng, Sheng-Pin
(31) 201361894979 P
103134914
(32) 24.10.2013
07.10.2014
(33) United States of America
Taiwan, Province of China

(51) A61B 6/00
A61B 6/02
A61B 6/03
A61B 6/12
G06T 11/00
(11) EP3413801
(21) EP17791707.7
(47) 08.01.2020
(87) EP2017078164
24.05.2018
(22) 03.11.2017
(54) APPARATUS FOR TOMOSYNTHESIS IMAGE RECONSTRUCTION
(73) Koninklijke Philips N.V.
(72) HEESE, Harald, Sepp
ERHARD, Klaus
BERGNER, Frank
GREWER, Ruediger
BARSCHDORF, Hans
BUELOW, Thomas
(31) 16198799
(32) 15.11.2016
(33) European Patent Office (EPO)

(51) A61B 6/00
A61B 6/03
A61B 6/04
A61B 8/08
G06T 11/00
(11) EP3320846
(21) EP17201284.1
(47) 08.01.2020
(22) 13.11.2017
(54) MEDICAL IMAGING APPARATUS AND METHOD OF CONTROLLING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) Mim, Baeg Gi
(31) 20160149967
(32) 11.11.2016
(33) Korea (Republic)

(51) A61B 6/00
A61B 6/03
G01N 23/00
(11) EP3065642
(21) EP14790618.4
(47) 08.01.2020
(87) EP2014073269
14.05.2015
(22) 30.10.2014
(54) EMPIRICAL BEAM HARDENING CORRECTION FOR DIFFERENTIAL PHASE CONTRAST CT
(73) Koninklijke Philips N.V.
(72) KOEHLER, Thomas
BRENDEL, Bernhard Johannes
(31) 13192149
(32) 08.11.2013
(33) European Patent Office (EPO)

(51) A61B 6/00
A61B 6/03
G02B 5/18
H01J 35/10
H01J 35/14
(11) EP3217879
(21) EP15791642.0
(47) 08.01.2020
(87) EP2015076213
19.05.2016
(22) 10.11.2015
(54) SOURCE-DETECTOR ARRANGEMENT
(73) Koninklijke Philips N.V.
(72) KOEHLER, Thomas
ROESSL, Ewald
BEHLING, Rolf Karl Otto
NOËL, Peter Benjamin Theodor
PFEIFFER, Franz
(31) 14192623
(32) 11.11.2014
(33) European Patent Office (EPO)

(51) A61B 6/00
A61B 6/08
A61B 6/10
(11) EP3348194
(21) EP16843910.7
(47) 08.01.2020
(87) JP2016003918
16.03.2017
(22) 29.08.2016
(54) MONITOR IMAGE DISPLAY METHOD FOR RADIATION-IRRADIATION DEVICE, AND RADIATION-IRRADIATION DEVICE
(73) FUJIFILM Corporation
(72) TAJIMA, Takashi
NAKATSUGAWA, Haruyasu
OHKUBO, Takeshi
(31) 2015176638
(32) 08.09.2015
(33) Japan

(51) A61B 6/00
A61B 6/10
(11) EP2866662
(21) EP12753809.8
(47) 08.01.2020
(87) IB2012001338
03.01.2014
(22) 29.06.2012
(54) MEDICAL IMAGING SYSTEM WITH C-ARM AND PROTECTION COVER SUPPORTED BY TWO DIFFERENT VEHICLES
(73) General Electric Company
(72) BOUVIER, Bernard
MOULIN, Romain
MARTEAU, Jean-Michel
CROULARD, Vincent
AL ASSAD, Omar
GALLONI, Bruno
GRAZIANI, Stéphane
ROBIN, Gilles

(51) A61B 6/00
A61G 13/10
(11) EP3247274
(21) EP16700834.1
(47) 08.01.2020
(87) EP2016050865
28.07.2016
(22) 18.01.2016
(54) MEDICAL IMAGING WITH INTEGRATED AIR GUIDANCE
(73) Koninklijke Philips N.V.
(72) OPHEIJ, Martinus Cornelis
BLEYEN, Walter Peter
LUTTIKHUIZEN, Paulus Cornelis
VAN RIJ, Ineke Elisabeth
VAN GILS, Rob
(31) 15151788
(32) 20.01.2015
(33) European Patent Office (EPO)

(51) A61B 6/00
A61N 5/10
(11) EP2391422
(21) EP10705923.0
(47) 08.01.2020
(87) IB2010000134
05.08.2010
(22) 27.01.2010
(54) RADIATION THERAPY DEVICE WITH FREELY CUSTOMIZABLE SOURCE AND IMAGER MOTION TRAJECTORY
(73) Varian Medical Systems International AG
(72) KUNZ, Patrik
BERKUS, Timo
OELHAFEN, Markus
FILIBERTI, Reto
(31) 364222
(32) 02.02.2009
(33) United States of America

(51) A61B 6/00
G06T 1/00
(11) EP1709585
(21) EP05703091.8
(47) 08.01.2020
(87) IL2005000048
28.07.2005
(22) 13.01.2005
(54) MULTI-DIMENSIONAL IMAGE RECONSTRUCTION
(73) Spectrum Dynamics Medical Limited
(72) ROUSSO, Benny
NAGLER, Michael
(31) 535830 P
(32) 13.01.2004
(33) United States of America

(51) A61B 6/03
A61B 6/12
A61B 18/02
A61B 18/14
A61K 49/00
(11) EP2747662
(21) EP12787903.9
(47) 08.01.2020
(87) IB2012056091
16.05.2013
(22) 01.11.2012

(54) SPECTRAL IMAGING
(73) Koninklijke Philips N.V.
(72) MANZKE, Robert
PROKSA, Roland
NEUBAUER, Anne, Morawski
SCHIRRA, Carsten, Oliver
(31) 201161558154 P
(32) 10.11.2011
(33) United States of America

(51) A61B 6/10
G21F 3/00
(11) EP3370620
(21) EP16806256.0
(47) 08.01.2020
(87) FR2016052881
11.05.2017
(22) 07.11.2016
(54) RADIATION PROTECTION SCREEN
(73) Arcita
(72) VALADE, Frédéric
COURTAIS, Hugues
(31) 1560606
(32) 05.11.2015
(33) France

(51) A61B 8/00
A61B 8/14
G01S 7/52
(11) EP3437566
(21) EP17774652.6
(47) 08.01.2020
(87) JP2017011680
05.10.2017
(22) 23.03.2017
(54) ULTRASONIC DIAGNOSTIC DEVICE AND METHOD FOR CONTROLLING ULTRASONIC DIAGNOSTIC DEVICE
(73) FUJIFILM Corporation
(72) ENDO, Maiko
(31) 2016074400
(32) 01.04.2016
(33) Japan

(51) A61B 8/12
A61B 8/14
A61N 7/00
(11) EP2637571
(21) EP11840646.1
(47) 08.01.2020
(87) US2011060362
18.05.2012
(22) 11.11.2011
(54) REMOTE CENTER OF MOTION ROBOT FOR MEDICAL IMAGE SCANNING AND IMAGE-GUIDED TARGETING
(73) The Johns Hopkins University
(72) STOIANOVICI, Dan
PETRISOR, Doru
SCHAFER, Felix
KIM, Chunwoo
HAN, Misop
(31) 412589 P
(32) 11.11.2010
(33) United States of America

(51) A61B 10/02
A61N 5/10
B25J 9/16
G06T 11/00
A61B 34/10
A61B 34/20
A61B 34/30
A61B 90/00
A61B 90/50
G06T 7/00
G06T 7/70
(11) EP3212109
(21) EP15797876.8
(47) 08.01.2020
(87) EP2015075427
23.02.2017
(22) 02.11.2015
(54) DETERMINING A CONFIGURATION OF A MEDICAL ROBOTIC ARM
(73) Brainlab AG
(72) STEINLE, Wolfgang
HAMILTON, Christoffer
FRIELINGHAUS, Nils
(31) PCT/EP2015/069037
PCT/EP2015/070153
(32) 19.08.2015
03.09.2015
(33) World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)

(51) A61B 17/00
(11) EP3075323
(21) EP16166057.6
(47) 08.01.2020
(22) 19.01.2007
(54) ULTRASOUND MEDICAL INSTRUMENT HAVING A MEDICAL ULTRASONIC BLADE
(73) Ethicon LLC
(72) HOUSER, Kevin L.
MIYATA, Shinichi
KOZUKI, Atsunori
(31) 336274
(32) 20.01.2006
(33) United States of America

(51) A61B 17/00
A61B 17/072
A61B 17/32
A61B 34/30
(11) EP2467065
(21) EP10782492.2
(47) 08.01.2020
(87) US2010056601
19.05.2011
(22) 12.11.2010
(54) END EFFECTOR WITH REDUNDANT CLOSING MECHANISMS
(73) Intuitive Surgical Operations, Inc.
(72) BURBANK, William A.
(31) 260907 P
(32) 13.11.2009
(33) United States of America

(51) A61B 17/00
A61B 17/072
A61L 24/04
A61B 90/00
(11) EP3072459
(21) EP16162064.6
(47) 08.01.2020
(22) 23.03.2016
(54) MALLEABLE BIOABSORBABLE POLYMER ADHESIVE FOR RELEASABLY ATTACHING A STAPLE BUTTRESS TO A SURGICAL STAPLER
(73) Ethicon LLC
(72) SHELTON, IV, Frederick E.
BEZWADA, Rao S.
HARRIS, Jason L.
TURNER, Prudence A.
ZEINER, Mark S.
SCHEIB, Charles J.
(31) 201514667874
(32) 25.03.2015
(33) United States of America

(51) A61B 17/00
A61B 17/12
(11) EP3160363
(21) EP15805072.4
(47) 08.01.2020
(87) US2015062517
02.06.2016
(22) 24.11.2015
(54) NITINOL OCCLUSION PLUG
(73) Boston Scientific Scimed Inc.
(72) O'BRIEN, John-Alan
RYAN, Frank
O'SULLIVAN, Conor
(31) 201462083669 P
(32) 24.11.2014
(33) United States of America

(51) A61B 17/00
A61B 17/22
A61B 17/32
A61B 17/3207
(11) EP2786716
(21) EP12853929.3
(47) 08.01.2020
(87) JP2012078052
06.06.2013
(22) 30.10.2012
(54) ATHERECTOMY DEVICE
(73) Nipro Corporation
(72) SOEDA, Nobuyuki
MIYAGAWA, Katsuya
NISHIMURA, Yuuki
KAKINOKI, Misa
(31) 2011258407
(32) 28.11.2011
(33) Japan

(51) A61B 17/00
A61B 17/28
A61B 17/3211
A61B 17/88
B25B 15/02
B25G 1/00
B25G 1/06
B25G 1/08
(11) EP3179929
(21) EP15766897.1
(47) 08.01.2020
(87) FR2015052177
18.02.2016
(22) 07.08.2015
(54) GRIPPING HANDLE FOR SURGICAL TOOL AND METHOD AND MACHINE FOR MAKING SUCH A GRIPPING HANDLE
(73) In2Bones
(72) COILLARD-LAVIROTTE, Jean-Yves Paul Albert
BOUBLIL, Daniel Edmond
D'INGRADO, Philippe Emmanuel
(31) 1457781

(32) 13.08.2014
(33) France

(51) A61B 17/00
A61B 17/29
A61B 17/3205
(11) EP3090694
(21) EP16169696.8
(47) 08.01.2020
(22) 14.06.2012
(54) BUTTON RELEASE HANDLE
(73) Cook Medical Technologies LLC
(72) LAVELLE, Shay
GILTINAN, James
(31) 201161497358 P
(32) 15.06.2011
(33) United States of America

(51) A61B 17/00
A61B 17/32
A61B 18/14
(11) EP2811921
(21) EP13705089.4
(47) 08.01.2020
(87) US2013025371
15.08.2013
(22) 08.02.2013
(54) CUTTING TOOL WITH CIRCULATING WIRE
(73) Boston Scientific Scimed, Inc.
(72) SUON, Naroun
NAM, Ra
RAYBIN, Samuel
SMITH, Paul
ROOT, Jonathan
(31) 201261596925 P
(32) 09.02.2012
(33) United States of America

(51) A61B 17/00
A61M 25/02
A61N 1/05
(11) EP2968849
(21) EP14707063.5
(47) 08.01.2020
(87) US2014016239
18.09.2014
(22) 13.02.2014
(54) ANCHOR DEPLOYMENT FOR IMPLANTABLE MEDICAL DEVICES
(73) Medtronic Inc.
(72) KERN, Michael
BEHYMER, Bruce A.
FERRIS, William V.
BISCHOFF, Thomas C.
(31) 201361776200 P
(32) 11.03.2013
(33) United States of America

(51) A61B 17/02
A61B 17/34
(11) EP3378423
(21) EP18171337.1
(47) 08.01.2020
(22) 12.10.2010
(54) TROCAR WITH RETENTION CANNULA
(73) Applied Medical Resources Corporation
(72) ALBRECHT, Jeremy
JOHNSON, Gary
BECERRA, Matthew
KING, Travis
GADBERRY, Donald
SIMONS, Isabel
(31) 25039909 P
36601010 P
(32) 09.10.2009
20.07.2010
(33) United States of America
United States of America

(51) A61B 17/04
A61B 17/06
(11) EP3097865
(21) EP16173415.7
(47) 08.01.2020
(22) 07.02.2006
(54) SYSTEM FOR ALL-INSIDE SUTURE FIXATION FOR IMPLANT ATTACHMENT AND SOFT TISSUE REPAIR
(73) Ivy Sports Medicine, LLC.
(72) Nelson, Nadine Beverly
Harris, Stephen Vaughan
(31) 650131 P
(32) 07.02.2005
(33) United States of America

(51) A61B 17/04
A61B 17/06
A61B 17/062
(11) EP3320854
(21) EP16198466.1
(47) 08.01.2020
(22) 11.11.2016
(54) SEWING MATERIAL HANDLING DEVICE FOR PRODUCING A SEWN KNOT
(73) INTRASOFT AG
(72) Eid, Dr. med. Karim
Ebner, Benjamin
Martinoli, Enea
Zuddas, Antonello
Hofstetter, Stefan
Bastas, Ugur

(51) A61B 17/04
A61B 17/06
A61B 17/062
A61L 17/06
A61L 17/14
(11) EP2684527
(21) EP12755259.4
(47) 08.01.2020
(87) KR2012001643
13.09.2012
(22) 07.03.2012
(54) SUTURE THREAD
(73) Y. Jacobs Medical Inc.
(72) KIM, Young Jae
(31) 20110019895
20110064084
(32) 07.03.2011
29.06.2011
(33) Korea (Republic)
Korea (Republic)

(51) A61B 17/06
(11) EP3151757
(21) EP15727743.5
(47) 08.01.2020
(87) US2015028685
10.12.2015
(22) 01.05.2015
(54) SUTURE WITH TRIM FORMED TIP
(73) Ethicon, Inc
(72) ROUSSEAU, Robert Anthony
LINDH, SR., David C.
(31) 201414295673
(32) 04.06.2014
(33) United States of America

(51) A61B 17/064
A61B 17/068
A61B 17/072
A61F 2/848
A61F 2/915
A61F 2/962
(11) EP2806826
(21) EP13740616.1
(47) 08.01.2020
(87) US2013023030
01.08.2013
(22) 24.01.2013
(54) Endoluminal device
(73) Intact Vascular, Inc.
(72) GIASOLLI, Robert, M.
SCHNEIDER, Peter
(31) 201261590775 P
(32) 25.01.2012
(33) United States of America

(51) A61B 17/068
A61B 17/072
A61B 17/115
(11) EP2792312
(21) EP14164975.6
(47) 08.01.2020
(22) 16.04.2014
(54) Surgical instrument comprising a closing drive and a firing drive operated from the same rotatable output
(73) Ethicon LLC
(72) Parihar, Shailendra K.
Hibner, John A.
(31) 201361812365 P
201361812376 P
201361812372 P
201361812382 P
201414248581
201361812385 P
(32) 16.04.2013
16.04.2013
16.04.2013
16.04.2013
09.04.2014
16.04.2013
(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

(51) A61B 17/072
(11) EP3225199
(21) EP17164394.3
(47) 08.01.2020
(22) 31.03.2017
(54) SURGICAL STAPLING SYSTEM COMPRISING A JAW CLOSURE LOCKOUT
(73) Ethicon LLC
(72) MILLER, Christopher C.
SHELTON, IV, Frederick E.
HARRIS, Jason L.

(31) 201615089196
(32) 01.04.2016
(33) United States of America

(51) A61B 17/072
(11) EP2814405
(21) EP13705073.8
(47) 08.01.2020
(87) US2013024841
22.08.2013
(22) 06.02.2013
(54) LINEAR STAPLER
(73) Ethicon LLC
(72) NALAGATLA, Anil K.
(31) 201261598395 P
(32) 14.02.2012
(33) United States of America

(51) A61B 17/132
A61B 17/135
A61F 13/14
(11) EP2708215
(21) EP12181884.3
(47) 08.01.2020
(22) 27.08.2012
(54) A pressure dressing, especially for preventing hemorrhagic complications after implanting medical devices used in cardiac electrotherapy
(73) MediNice Spolka Akcyjna
(72) LABUS, Michal
SPIKOWSKI, Jerzy
STEC, Sebastian
CHOUDHARY, Sanjeev
(31) 39995612
(32) 13.07.2012
(33) Poland

(51) A61B 17/132
A61B 17/135
A61K 31/165
A61K 31/401
A61K 31/4178
A61K 31/4184
A61P 9/04
(11) EP2552331
(21) EP11762079.9
(47) 08.01.2020
(87) IB2011000368
06.10.2011
(22) 04.02.2011
(54) USE OF REMOTE ISCHEMIC CONDITIONING TO IMPROVE OUTCOME AFTER MYOCARDIAL INFARCTION
(73) The Hospital For Sick Children
(72) REDINGTON, Andrew
(31) 319597 P
(32) 31.03.2010
(33) United States of America

(51) A61B 17/16
A61B 17/17
A61B 17/70
A61F 2/28
A61F 2/30
A61F 2/44
A61F 2/46
(11) EP2675400
(21) EP11858728.6
(47) 08.01.2020
(87) US2011058737
23.08.2012
(22) 01.11.2011
(54) PERCUTANEOUS ARTHRODESIS SYSTEM
(73) Amendia, Inc.
(72) SCHELL, Gerald
ANDERSON, Tracy, Scott
ANDERSON, Alan, Scott
BARRA, Kenneth, Richard
(31) 201113028310
(32) 16.02.2011
(33) United States of America

(51) A61B 17/16
A61B 17/32
A61C 3/00
(11) EP3260061
(21) EP17179219.5
(47) 08.01.2020
(22) 26.09.2014
(54) LATERAL GRINDING DRILL WITH CONTINUOUSLY VARIABLE ANGLE AND DRIVING COMPONENT THEREOF
(73) Chongqing Xishan Science & Technology Co.,Ltd.
(72) GUO, Yijun
LIU, Changfeng
ZHANG, Jinbin
(31) 201310632414
201310641876
201410041760
(32) 29.11.2013
03.12.2013
28.01.2014
(33) China
China
China

(51) A61B 17/17
(11) EP3200703
(21) EP15778504.9
(47) 08.01.2020
(87) US2015052583
07.04.2016
(22) 28.09.2015
(54) ADJUSTABLE GLENOID PIN INSERTION GUIDE
(73) Biomet Manufacturing, LLC
(72) EASH, Christopher
KEHRES, Clinton E.
(31) 201414499965
(32) 29.09.2014
(33) United States of America

(51) A61B 17/17
A61B 17/56
A61G 13/10
G01B 5/008
A61B 34/20
A61B 90/00
(11) EP2879611
(21) EP13825603.7
(47) 08.01.2020
(87) CA2013050590
06.02.2014
(22) 30.07.2013
(54) METHOD AND SYSTEM FOR CREATING FRAME OF REFERENCE FOR CAS WITH INERTIAL SENSORS
(73) Orthosoft ULC
(72) PARADIS, François
ZUHARS, Joel
DUVAL, Karine
CHEVRIER, Mathieu
AMIOT, Louis-Philippe
JANSEN, Herbert
VALIN, Myriam
DYE, Don
ROBITAILLE, Isabelle
FERRON-FORGET, Simon
BAUDOIN, François
(31) 201261677106 P
(32) 30.07.2012
(33) United States of America

(51) A61B 17/22
A61B 17/221
A61B 17/3207
A61F 2/01
(11) EP3223723
(21) EP15801153.6
(47) 08.01.2020
(87) EP2015077692
02.06.2016
(22) 25.11.2015
(54) A CLOT RETRIEVAL DEVICE FOR REMOVING OCCLUSIVE CLOT FROM A BLOOD VESSEL
(73) Neuravi Limited
(72) VALE, David
CASEY, Brendan
GILVARRY, Michael
O'GORMAN, Jacqueline
MCARDLE, Kevin
(31) 201462084960 P
(32) 26.11.2014
(33) United States of America

(51) A61B 17/34
A61B 90/50
(11) EP2763611
(21) EP12766844.0
(47) 08.01.2020
(87) US2012056864
04.04.2013
(22) 24.09.2012
(54) PATIENT-REFERENCED SURGICAL SUPPORT FRAME
(73) Ethicon Endo-Surgery, Inc.
(72) STEFANCHIK, David
VAKHARIA, Omar J.
(31) 201113249883
(32) 30.09.2011
(33) United States of America

(51) A61B 17/34
A61M 25/06
A61M 25/09
(11) EP2773413
(21) EP12845979.9
(47) 08.01.2020
(87) US2012063444
10.05.2013
(22) 02.11.2012
(54) SYSTEMS FOR PERCUTANEOUS INTRAVASCULAR ACCESS AND GUIDEWIRE PLACEMENT
(73) AVENU MEDICAL, INC.
(72) KELLERMAN, Brad, M.
HULL, Jeffrey, E.
WROLSTAD, David, K.
(31) 201161556128 P

(32) 04.11.2011
(33) United States of America

(51) A61B 17/43
C12N 5/02
C12N 5/073
C12N 5/0735
(11) EP3019597
(21) EP14822527.9
(47) 08.01.2020
(87) US2014046051
15.01.2015
(22) 09.07.2014
(54) EMBRYO CULTURE METHODS AND MEDIA
(73) FUJIFILM Irvine Scientific, Inc.
(72) GILBERT, Rebecca
NI, Hsiao-Tzu
HWAN, Suh-Fon
(31) 201361844345 P
(32) 09.07.2013
(33) United States of America

(51) A61B 17/70
(11) EP2838455
(21) EP13778840.2
(47) 08.01.2020
(87) US2013036806
24.10.2013
(22) 16.04.2013
(54) INSTRUMENT FOR SPINAL COMPRESSION AND DISTRACTION
(73) Alphatec Spine, Inc.
(72) GLEESON, Garrett
PERRY, Thomas
MEYER, Nathan
PARIKH, Anand
HUTTON, Clark
(31) 201261625264 P
(32) 17.04.2012
(33) United States of America

(51) A61B 17/70
A61B 17/86
(11) EP3248557
(21) EP17173060.9
(47) 08.01.2020
(22) 26.05.2017
(54) SPINAL SCREW FIXATION DEVICE
(73) Wu, Meng-Huang
(72) WU, Meng-Huang
TSAI, Pei-I
YANG, Kuo-Yi
HUANG, Chih-Chieh
LIN, Shih-Ping
WEN, Yi-Hung
FAN, Wei-Luan
(31) 201662341704 P
(32) 26.05.2016
(33) United States of America

(51) A61B 17/70
A61B 90/00
(11) EP3420989
(21) EP18175617.2
(47) 08.01.2020
(22) 01.06.2018
(54) REVISION CONNECTORS,
(73) Globus Medical, Inc.
(72) MURRAY, Patrick
(31) 201715613769
(32) 05.06.2017
(33) United States of America

(51) A61B 17/72
A61B 17/84
A61B 17/86
A61B 17/88
(11) EP2906132
(21) EP12886399.0
(47) 08.01.2020
(87) SE2012051096
17.04.2014
(22) 12.10.2012
(54) FIXING MEANS FOR FIXATION OF BONE FRAGMENTS AT BONE FRACTURES
(73) Swemac Innovation Ab
(72) HANSSON, Henrik
ÖSTER, Lars

(51) A61B 17/80
(11) EP3157450
(21) EP15732119.1
(47) 08.01.2020
(87) US2015034783
23.12.2015
(22) 09.06.2015
(54) MEDIAL COLUMN FUSION PLATES
(73) DePuy Synthes Products, Inc.
(72) KOBAYASHI, Kenneth I.
SIRAVO, Mark
HAAG, Rene
WYKOSKY, Sherri
(31) 201414310265
(32) 20.06.2014
(33) United States of America

(51) A61B 17/80
(11) EP3202348
(21) EP17000133.3
(47) 08.01.2020
(22) 27.01.2017
(54) BONE PLATE WITH ALTERNATING CHAMFERS
(73) Stryker European Holdings I, LLC
(72) Cremer, Axel Bernhard
Heinsohn, Jan
(31) 201615013086
(32) 02.02.2016
(33) United States of America

(51) A61B 17/86
(11) EP2852341
(21) EP13793254.7
(47) 08.01.2020
(87) US2013042170
28.11.2013
(22) 22.05.2013
(54) CORTICAL BONE PIN
(73) Lifenet Health
(72) CHEN, Jingsong
SANDER, Thomas
PHELPS, Dennis, L.
PRITCHARD, Andy
BRACONE, Roberto
(31) 201261650364 P
(32) 22.05.2012
(33) United States of America

(51) A61B 17/88
A61M 5/28
A61M 5/315
B01F 3/12
B01F 5/06
B01F 13/00
B01F 15/02
(11) EP3384866
(21) EP18165523.4
(47) 08.01.2020
(22) 03.04.2018
(54) DEVICE FOR STORAGE, MIXING AND DISPENSING OF A BONE CEMENT, AND PERTINENT METHOD
(73) Heraeus Medical GmbH
(72) Vogt, Sebastian
Kluge, Thomas
(31) 102017107569
(32) 07.04.2017
(33) Germany

(51) A61B 18/00
(11) EP1799404
(21) EP05775222.2
(47) 08.01.2020
(87) US2005025957
02.02.2006
(22) 20.07.2005
(54) CONTRA-ANGLE ROTATING HANDPIECE HAVING TACTILE-FEEDBACK TIP FERRULE
(73) Biolase, Inc.
(72) RIZOIU, Ioana, M.
BOUTOUSSOV, Dmitri
JONES, Jeffrey, W.
(31) 591933
(32) 27.07.2004
(33) United States of America

(51) A61B 18/00
A61B 18/14
A61B 90/00
(11) EP3360500
(21) EP18165810.5
(47) 08.01.2020
(22) 21.02.2013
(54) CANNULA FOR AN ELECTRODE ASSEMBLY FOR RADIOFREQUENCY ABLATION OF TISSUE THAT CAN BE SELECTIVELY OPERATED WITH ONE OR MORE ACTIVE TIPS
(73) Stryker Corporation
(72) SPRINKLE, Thomas

(51) A61B 18/14
(11) EP2662048
(21) EP13167114.1
(47) 08.01.2020
(22) 08.05.2013
(54) Ablation targeting nerves in or near the inferior vena cava and/or abdominal aorta for treatment of hypertension
(73) Biosense Webster (Israel) Ltd.
(72) Grunewald, Debby
Fuimaono, Kristine B.
Chan, Tina
Ditter, Tom A.
(31) 201261644724 P
201313827114
(32) 09.05.2012
14.03.2013
(33) United States of America
United States of America

(51) A61B 18/14
A61M 25/00

A61M 25/01
(11) EP3023118
(21) EP16150906.2
(47) 08.01.2020
(22) 13.11.2013
(54) CATHETER WITH FLAT BEAM DEFLECTION IN TIP
(73) Biosense Webster (Israel) Ltd.
(72) JIMENEZ, Jose
PADILLA, Ricardo
SELKEE, Thomas V.
(31) 201213677214
(32) 14.11.2012
(33) United States of America

(51) A61B 18/20
A61C 1/00
(11) EP3073952
(21) EP14815528.6
(47) 08.01.2020
(87) US2014067601
04.06.2015
(22) 26.11.2014
(54) SYSTEMS FOR PROTECTION OF OPTICAL SYSTEM OF LASER-BASED APPARATUS
(73) Convergent Dental, Inc.
(72) DRESSER, Charles, H.
MONTY, Nathan, P.
(31) 201361909896 P
(32) 27.11.2013
(33) United States of America

(51) A61B 34/00
A61B 34/30
(11) EP3381397
(21) EP18171951.9
(47) 08.01.2020
(22) 12.11.2010
(54) MOTOR INTERFACE FOR PARALLEL DRIVE SHAFTS WITHIN AN INDEPENDENTLY ROTATING MEMBER
(73) Intuitive Surgical Operations Inc.
(72) DACHS II,, Gregory W.
MURPHY, Todd E.
BURBANK, William A.
MCDONALD, William
SCHENA, Bruce M.
(31) 26091909 P
(32) 13.11.2009
(33) United States of America

(51) A61B 34/20
(11) EP2227719
(21) EP08851734.7
(47) 08.01.2020
(87) US2008012970
28.05.2009
(22) 19.11.2008
(54) HIP IMPLANT REGISTRATION IN COMPUTER ASSISTED SURGERY
(73) Blue Ortho
(72) STIEHL, James, B.
(31) 989103 P
(32) 19.11.2007
(33) United States of America

(51) A61B 90/50
(11) EP3005970
(21) EP14800625.7
(47) 08.01.2020
(87) KR2014004649
27.11.2014
(22) 23.05.2014
(54) STAND HAVING COUNTERBALANCE PART
(73) Koh Young Technology Inc.
Industry-University Cooperation Foundation Hanyang University ERICA Campus
(72) YI, Byung-Ju
SEO, Jong-Tae
(31) 20130059337
20140061915
(32) 24.05.2013
22.05.2014
(33) Korea (Republic)
Korea (Republic)

(51) A61C 5/80
A61C 5/82
(11) EP3125814
(21) EP15706227.4
(47) 08.01.2020
(87) EP2015053776
27.08.2015
(22) 24.02.2015
(54) DEVICE FOR SHIELDING TEETH TO BE TREATED
(73) Mühlbauer Technology GmbH
(72) HEYMANN, Rudolf
PAULS, Harald
MEYER, Sven
(31) 202014001569 U
202014010138 U
(32) 24.02.2014
29.12.2014
(33) Germany
Germany

(51) A61C 7/08
A61C 7/12
A61C 7/30
A61C 7/36
A61C 19/04
G07C 3/02
(11) EP3481330
(21) EP18782332.3
(47) 08.01.2020
(87) EP2018075445
04.04.2019
(22) 20.09.2018
(54) SENSOR AND SYSTEM FOR MONITORING THE WEARING PERIOD OF ORTHODONTIC ELASTIC TRACTION DEVICES
(73) Otmar Kronenberg AG
(72) KRONENBERG, Otmar
(31) 17193609
(32) 28.09.2017
(33) European Patent Office (EPO)

(51) A61C 8/00
(11) EP3275395
(21) EP17001044.1
(47) 08.01.2020
(22) 21.06.2017
(54) SCREW-IN DENTAL IMPLANT WITH ATTACHMENT WHICH CAN BE APPLIED AXIALLY TO THE BONE
(73) Scherer, Johannes
(72) Scherer, Johannes
(31) 102016009150
(32) 27.07.2016
(33) Germany

(51) A61C 8/00
A61C 9/00
(11) EP3376992
(21) EP16798717.1
(47) 08.01.2020
(87) EP2016078192
26.05.2017
(22) 18.11.2016
(54) HEALING CAP WITH SCANNABLE FEATURES
(73) Nobel Biocare Services AG
(72) CHRISTIANSEN, Piers
VIZER, Thomas
BRUNNER, Marco
(31) PCT/EP2015/195634
(32) 20.11.2015
(33) World Intellectual Property Office (WIPO)

(51) A61C 8/00
A61C 13/00
(11) EP2526893
(21) EP12168702.4
(47) 08.01.2020
(22) 21.05.2012
(54) Abutment for implant
(73) Yeom, Myong Hee
(72) Yeom, Myong Hee
(31) 20110050035
(32) 26.05.2011
(33) Korea (Republic)

(51) A61C 8/00
A61C 13/235
C21D 6/00
C22C 38/00
C22C 38/40
C23C 8/26
C23C 8/80
H01F 7/02
(11) EP3127506
(21) EP15773558.0
(47) 08.01.2020
(87) JP2015058360
08.10.2015
(22) 19.03.2015
(54) MAGNET STRUCTURE FOR DENTAL MAGNETIC ATTACHMENT
(73) Hitachi Metals, Ltd.
(72) TAKADA, Yukyo
TAKAHASHI, Masatoshi
KIKUCHI, Akira
(31) 2014077451
(32) 04.04.2014
(33) Japan

(51) A61C 8/00
A61C 17/00
A61C 17/02
(11) EP3323380
(21) EP16199650.9
(47) 08.01.2020
(22) 18.11.2016
(54) TREATMENT SYSTEM FOR CLEANING A COMPONENT WITH BIOFILM IMPURITIES, IN PARTICULAR AN IMPLANT PART
(73) Schlee, Markus
(72) Schlee, Markus

(51) A61C 9/00

A63B 71/08
(11) EP3413833
(21) EP17700740.8
(47) 08.01.2020
(87) GB2017050092
17.08.2017
(22) 16.01.2017
(54) IMPRESSION TRAY
(73) Opro International Limited
(72) LOVAT, Anthony
(31) 201602485
(32) 11.02.2016
(33) United Kingdom

(51) A61C 13/00
B23Q 1/54
B23Q 3/06
(11) EP2604219
(21) EP12168718.0
(47) 08.01.2020
(22) 21.05.2012
(54) Abutment fixing apparatus
(73) Yeom, Myong Hee
(72) Yeom, Myong Hee
(31) 20110136303
(32) 16.12.2011
(33) Korea (Republic)

(51) A61C 13/15
(11) EP3123976
(21) EP15179313.0
(47) 08.01.2020
(22) 31.07.2015
(54) LIGHT CURING DEVICE
(73) Ivoclar Vivadent AG
(72) Senn, Bruno
Pauler, Markus

(51) A61C 13/15
G01J 1/42
(11) EP3330683
(21) EP17210443.2
(47) 08.01.2020
(22) 17.06.2015
(54) LIGHT HARDENING DEVICE
(73) Ivoclar Vivadent AG
(72) Senn, Bruno
Tommasini, Dario

(51) A61C 13/20
B22F 3/00
B22F 3/10
F27B 17/02
(11) EP3300818
(21) EP17192129.9
(47) 08.01.2020
(22) 20.09.2017
(54) METHOD FOR SINTERING A DENTAL STRUCTURE AND ARRANGEMENT FOR SINTERING A DENTAL STRUCTURE
(73) STEGER, Heinrich
(72) STEGER, Heinrich
(31) 508702016
(32) 28.09.2016
(33) Austria

(51) A61C 17/16
A61C 17/34
H02K 1/27
H02K 1/34
H02K 7/09
H02K 7/10
H02K 33/02
H02K 33/18
(11) EP3252935
(21) EP15879347.1
(47) 08.01.2020
(87) CN2015071696
04.08.2016
(22) 28.01.2015
(54) IMPLEMENT FOR PERSONAL CLEANING AND CARE
(73) Shanghai Shift Electrics Co., Ltd.
(72) DAI, Xiaoguo
XU, Zhenwu
DAI, Ling

(51) A61C 19/05
(11) EP3354229
(21) EP18150724.5
(47) 08.01.2020
(22) 09.01.2018
(54) OCCLUSAL STATE IDENTIFYING METHOD, OCCLUSAL STATE IDENTIFYING APPARATUS
(73) FUJITSU LIMITED
(72) Ohtake, Ryosuke
Umekawa, Katsumi
Ishimura, Tatsukiyo
(31) 2017011106
(32) 25.01.2017
(33) Japan

(51) A61F 2/00
(11) EP3351208
(21) EP18156445.1
(47) 08.01.2020
(22) 16.11.2015
(54) URETHRA CUFF INCLUDING TUBE
(73) Coloplast A/S
(72) TAYLOR, Jeffrey Brian
(31) 201462080417 P
201514881173
201570703
(32) 17.11.2014
13.10.2015
02.11.2015
(33) United States of America
United States of America
Denmark

(51) A61F 2/00
(11) EP2608736
(21) EP11820458.5
(47) 08.01.2020
(87) US2011048606
01.03.2012
(22) 22.08.2011
(54) CENTERING AID FOR IMPLANTABLE SLING
(73) Ethicon, Inc
(72) NGUYEN, Steven
ELBERT, Katrin
SMITH, Daniel, J.
(31) 869086
(32) 26.08.2010
(33) United States of America

(51) A61F 2/00
A61L 27/42
C09D 1/00
(11) EP3055363
(21) EP14851617.2
(47) 08.01.2020
(87) US2014059728
16.04.2015
(22) 08.10.2014
(54) PROCESSED BONE PARTICLE COMPOSITIONS AND RELATED METHODS
(73) Vivorte, Inc.
(72) BURDEN, Robert L.
(31) 201361888393 P
(32) 08.10.2013
(33) United States of America

(51) A61F 2/02
A61L 27/56
B23Q 15/22
(11) EP2498831
(21) EP10830822.2
(47) 08.01.2020
(87) US2010056602
19.05.2011
(22) 12.11.2010
(54) CONTROLLED RANDOMIZED POROUS STRUCTURES AND METHODS FOR MAKING SAME
(73) Smith&Nephew, Inc.
(72) LANDON, Ryan, L.
AGNIHOTRI, Aashiish
GILMOUR, Laura, J.
SHARP, Jeffrey
WINEBARGER, Randy, C.
(31) 260811 P
(32) 12.11.2009
(33) United States of America

(51) A61F 2/06
A61F 2/07
A61F 2/954
(11) EP2299931
(21) EP09759453.5
(47) 08.01.2020
(87) US2009046310
10.12.2009
(22) 04.06.2009
(54) SEALING APPARATUS
(73) Endologix, Inc.
(72) GANPATH, Raj, P.
ROSENBERG, Craig
LLAMIDO, Sherwin
HERBOWY, Steven, L.
EVANS, Michael, A.
HOWELL, Thomas
TAYLOR, Charles, S.
RAO, K.t., Venkateswara
LEE, Amy
(31) 58810 P
(32) 04.06.2008
(33) United States of America

(51) A61F 2/12
(11) EP3145447
(21) EP15796491.7
(47) 08.01.2020
(87) IL2015050535
26.11.2015
(22) 20.05.2015
(54) IMPLANTABLE NIPPLE ASSEMBLY
(73) Fixnip Ltd
(72) NETTA CHAIM, Yagil
KORKOS, Daniel
OFIR, Gil
(31) 201462000561 P

(32) 20.05.2014
(33) United States of America

(51) A61F 2/24
(11) EP3256075
(21) EP16749821.1
(47) 08.01.2020
(87) US2016017393
18.08.2016
(22) 10.02.2016
(54) OFFSET CARDIAC LEAFLET COAPTATION ELEMENT
(73) Edwards Lifesciences Corporation
(72) ZIMMERMAN, Neil S.
(31) 201562114435 P
201615019706
(32) 10.02.2015
09.02.2016
(33) United States of America
United States of America

(51) A61F 2/24
(11) EP3494930
(21) EP18210929.8
(47) 08.01.2020
(22) 15.12.2008
(54) LEAFLET ATTACHMENT FRAME FOR A PROSTHETIC VALVE
(73) Edwards Lifesciences Corporation
(72) BENICHOU, Netanel
(31) 1400707 P
(32) 14.12.2007
(33) United States of America

(51) A61F 2/24
A61F 2/95
(11) EP3494929
(21) EP18210923.1
(47) 18.12.2019
(22) 01.05.2009
(54) LOW PROFILE DELIVERY SYSTEM FOR TRANSCATHETER HEART VALVE
(73) Edwards Lifesciences Corporation
(72) LE, Thanh H.
TRAN, Tri
CAYABYAB, Ronaldo
TAYLOR, David
VIDAL, Antonio
BOWES, Bobert
(31) 5200908 P
8311708 P
24784608
(32) 09.05.2008
23.07.2008
08.10.2008
(33) United States of America
United States of America
United States of America

(51) A61F 2/24
A61F 2/966
(11) EP3316820
(21) EP16742092.6
(47) 08.01.2020
(87) US2016040404
05.01.2017
(22) 30.06.2016
(54) ADJUSTABLE NOSECONE
(73) Boston Scientific Scimed Inc.
(72) CRISOTOMO, Crissly V.
GAMARRA, Randy S.
(31) 201562188223 P
(32) 02.07.2015
(33) United States of America

(51) A61F 2/30
A61F 2/36
A61F 2/40
A61F 2/46
(11) EP3337430
(21) EP16750171.7
(47) 08.01.2020
(87) EP2016069064
23.02.2017
(22) 10.08.2016
(54) AN ALIGNMENT GUIDE
(73) DePuy Ireland Unlimited Company
(72) MOORE, Gary
BIRKBECK, Alec
HUNT, Christopher
PATNELLI, Richard
HORNE, David
PROUT, Henry
(31) 201514727
201612399
(32) 19.08.2015
18.07.2016
(33) United Kingdom
United Kingdom

(51) A61F 2/30
A61F 2/38
(11) EP2777625
(21) EP14159510.8
(47) 08.01.2020
(22) 13.03.2014
(54) Prosthetic component
(73) DePuy Ireland Unlimited Company
(72) Wyss, Joseph G
Lindsay, Gary M
Hathaway, Tyler S
Matyas, Aaron J
Leszko, Filip
(31) 201313837778
(32) 15.03.2013
(33) United States of America

(51) A61F 2/32
A61F 2/34
A61F 2/36
(11) EP2512379
(21) EP10795336.6
(47) 08.01.2020
(87) EP2010069977
23.06.2011
(22) 16.12.2010
(54) PARTIAL HIP PROSTHESIS
(73) Scyon Orthopaedics AG
(72) TEPIC, Slobodan
(31) 09179497
(32) 16.12.2009
(33) European Patent Office (EPO)

(51) A61F 2/36
(11) EP3403618
(21) EP18172407.1
(47) 08.01.2020
(22) 15.05.2018
(54) COUPLING DEVICE FOR THE CONNECTION OF PROSTHETIC COMPONENTS VIA A SELF-LOCKING PRESS FIT
(73) Aristotech Holding GmbH
(72) Anapliotis, Emmanuel
(31) 102017004911
(32) 16.05.2017
(33) Germany

(51) A61F 2/38
(11) EP3427698
(21) EP18180690.2
(47) 08.01.2020
(22) 29.06.2018
(54) SYSTEM FOR AN ORTHOPAEDIC JOINT REPLACEMENT PROCEDURE
(73) DePuy Ireland Unlimited Company
(72) SCHMIT, Matthew D.
(31) 201715650353
(32) 14.07.2017
(33) United States of America

(51) A61F 2/44
A61F 2/46
(11) EP3361998
(21) EP16856143.9
(47) 08.01.2020
(87) US2016056729
20.04.2017
(22) 13.10.2016
(54) DEVICE AND METHOD FOR DEPLOYMENT OF AN ANCHORING DEVICE FOR INTERVERTEBRAL SPINAL FUSION
(73) Globus Medical, Inc.
(72) ASHLEIGH, Michael
(31) 201514881703
(32) 13.10.2015
(33) United States of America

(51) A61F 2/44
A61F 2/46
(11) EP3344156
(21) EP16842957.9
(47) 08.01.2020
(87) US2016049816
09.03.2017
(22) 01.09.2016
(54) IMPLANTABLE NUCLEAR PROSTHESIS
(73) Spinal Stabilization Technologies LLC
(72) LUTZ, James, D.
FRANCIS, W., Loren
NOVOTNY, Mark
(31) 201562212950 P
(32) 01.09.2015
(33) United States of America

(51) A61F 2/46
(11) EP3275407
(21) EP17001443.5
(47) 08.01.2020
(22) 05.11.2010
(54) INTEGRATED SYSTEM FOR CLEANING BONE STOCK AND TRANSFERRING THE BONE STOCK TO A MILL IN WHICH THE BONE STOCK IS MILLED TO FORM BONE CHIPS
(73) Stryker Corporation
(72) Stratton, Dennis
Veldkamp, David J.
Heffernan, Eric M.
Goldenberg, Dave S.
Chamberlin, Chris
Diehl, Eric K.
Bernero, John P.
LAM, Vincent
Orand, Austin

(31) 258667 P
(32) 06.11.2009
(33) United States of America

(51) A61F 2/50
A61F 2/54
A61F 2/56
A61F 2/76
A61F 2/78
(11) EP3294229
(21) EP16797097.9
(47) 08.01.2020
(87) US2016032721
24.11.2016
(22) 16.05.2016
(54) BIDIRECTIONAL BIOMECHANICAL PROSTHETIC FULL FINGER CONFIGURED FOR ABDUCTION AND ADDUCTION WITH MCP PIVOT
(73) RCM Enterprise, LLC
(72) THOMPSON, Robert, Jr.
BENGTSSON, Jon
PETO, Anthony Charles
MINNIS, Sydney Tye
KLUMPER, Eric Dennis
CRITTENDEN, Bradley Arthur
(31) 201562162516 P
201562209836 P
(32) 15.05.2015
25.08.2015
(33) United States of America
United States of America

(51) A61F 2/50
A61F 2/60
A61F 2/64
A61F 2/66
A61F 2/70
(11) EP2891473
(21) EP12883769.7
(47) 08.01.2020
(87) JP2012072029
06.03.2014
(22) 30.08.2012
(54) HERMETICALLY SEALED ARTIFICIAL LEG
(73) Nabtesco Corporation
(72) NAKAYA, Yoshiaki
MISAO, Taishiro
HASHIMOTO, Hiroaki
NAKAMURA, Nobuyuki
TADA, Yoshihiro

(51) A61F 2/915
(11) EP2094204
(21) EP07854250.3
(47) 08.01.2020
(87) US2007082014
24.04.2008
(22) 19.10.2007
(54) Deformable lumen support devices
(73) CeloNova Stent, Inc.
(72) DENISON, Andy Edward
STALKER, Kent
(31) 853245 P
(32) 21.10.2006
(33) United States of America

(51) A61F 2/95
(11) EP2907485
(21) EP15275038.6
(47) 08.01.2020
(22) 16.02.2015
(54) Prosthesis delivery system
(73) Cook Medical Technologies LLC
(72) Farag Eells, Jacqueline
Hendriksen, Per
Rasmussen, Erik E.
Soerensen, Marianne
(31) 201461940480 P
201461940738 P
(32) 16.02.2014
17.02.2014
(33) United States of America
United States of America

(51) A61F 2/95
A61F 2/962
A61B 90/70
(11) EP3367978
(21) EP16838064.0
(47) 08.01.2020
(87) IB2016001908
04.05.2017
(22) 28.10.2016
(54) SYSTEMS AND METHODS FOR REMOVING AIR FROM STENT-GRAFTS AND OTHER MEDICAL DEVICES
(73) Mokita Medical GmbH
(72) KOLBEL, Tilo
(31) 201562247287 P
(32) 28.10.2015
(33) United States of America

(51) A61F 5/02
(11) EP2878284
(21) EP14195333.1
(47) 08.01.2020
(22) 28.11.2014
(54) Asymmetric rigid corset with side valves
(73) Lecante
(72) Lecante, Cyril
Pourret, Sophie
De Mauroy de Curiere de Castelnau, Jean Claude
(31) 1361952
1454316
(32) 02.12.2013
15.05.2014
(33) France
France

(51) A61F 5/37
A61G 13/00
A61G 13/10
A61G 13/12
(11) EP3207913
(21) EP17155968.5
(47) 08.01.2020
(22) 14.02.2017
(54) ASSEMBLY AND SYSTEM FOR DISTRACTOR AND/OR POSITIONER
(73) Innovative Medical Products, Inc.
(72) De Mayo, Edward
Blackwell, Tim
Kovacs, Tamas
(31) 201615048577
(32) 19.02.2016
(33) United States of America

(51) A61F 5/44
A61F 5/441
A61L 28/00
B32B 5/18
B32B 5/32
B32B 7/12
B32B 27/06
B32B 27/08
B32B 27/30
B32B 27/32
(11) EP2948197
(21) EP14712796.3
(47) 08.01.2020
(87) US2014011102
31.07.2014
(22) 10.01.2014
(54) MULTILAYER FILM INCLUDING FOAM LAYER AND OSTOMY PRODUCTS MADE THEREFROM
(73) Hollister Incorporated
(72) CHANG, Moh-ching, Oliver
(31) 201361755709 P
201313835499
(32) 23.01.2013
15.03.2013
(33) United States of America
United States of America

(51) A61F 5/44
A61F 5/453
A61F 5/455
A61G 7/02
(11) EP2352467
(21) EP09825403.0
(47) 08.01.2020
(87) US2009063384
14.05.2010
(22) 05.11.2009
(54) FLUID COLLECTION SYSTEM AND METHODS OF USING SAME
(73) Medline Industries, Inc.
(72) BURGESS, James, E.
CHUA, Kenneth, S.
DUNN, Joseph, B.
GREESON, JR., Dale, F.
MAZE, Jack, E.
SAVAGE, Alberto, C.
SIAVELIS, Arlene, A.
TOMES, Jennifer, E.
WILSON, Earl, D.
(31) 266281
(32) 06.11.2008
(33) United States of America

(51) A61F 5/44
A61G 9/00
A61J 19/06
(11) EP3174512
(21) EP15752942.1
(47) 08.01.2020
(87) EP2015067362
04.02.2016
(22) 29.07.2015
(54) POUCH COMPRISING A SAFETY VALVE
(73) Swiss Safe Collect SA
(72) CAILLETEAU, Benoît
(31) 1457343
(32) 29.07.2014
(33) France

(51) A61F 5/56
(11) EP2352468
(21) EP09828158.7
(47) 08.01.2020

(87) US2009064966
27.05.2010
(22) 18.11.2009
(54) INTEGRATED ORAL APPLIANCE FOR SLEEP-DISORDERED BREATHING
(73) Dreamscape Medical LLC
(72) WALKER, Elijah
(31) 273534
(32) 18.11.2008
(33) United States of America

(51) A61F 7/00
A61F 7/08
H05B 3/12
(11) EP3138542
(21) EP14890687.8
(47) 08.01.2020
(87) KR2014004379
05.11.2015
(22) 16.05.2014
(54) SILVER NANO ELECTRONIC INK-PRINTED HEATING ELEMENT SEPARATION TYPE ELECTRIC THERMOTHERAPY DEVICE AND MANUFACTURING METHOD THEREFOR
(73) Paru Co., Ltd.
Zivon Co., Ltd.
(72) KANG, Moon Sig
(31) 20140050641
(32) 28.04.2014
(33) Korea (Republic)

(51) A61F 7/00
F25C 1/00
(11) EP3224555
(21) EP15863413.9
(47) 08.01.2020
(87) US2015062921
02.06.2016
(22) 30.11.2015
(54) PRODUCTION OF WELL-MIXED SURGICAL SLUSH
(73) Co Change Surgical LLC
(72) KAMMER, Patrick
RACKERS, Kevin, Joseph
PERROT, Benjamin, A.
(31) 201462085590 P
201514875589
(32) 30.11.2014
05.10.2015
(33) United States of America
United States of America

(51) A61F 9/00
A61J 1/20
A61M 5/20
A61M 31/00
(11) EP3003454
(21) EP14808034.4
(47) 08.01.2020
(87) US2014040254
11.12.2014
(22) 30.05.2014
(54) APPARATUS FOR DRUG DELIVERY USING MULTIPLE RESERVOIRS
(73) Clearside Biomedical, Inc.
(72) ANDINO, Rafael Victor
PATEL, Samirkumar R.
ZARNITSYN, Vladimir
BROOKS, Christopher John
(31) 201361830324 P
(32) 03.06.2013
(33) United States of America

(51) A61F 9/00
A61M 5/46
(11) EP3223760
(21) EP15864068.0
(47) 08.01.2020
(87) FI2015050817
02.06.2016
(22) 24.11.2015
(54) OCULAR THERAPEUTICS TOOL
(73) Visionisti OY
(72) KANGASTUPA, Timo
(31) 20146046
(32) 28.11.2014
(33) Finland

(51) A61F 9/007
A61N 7/02
(11) EP2467108
(21) EP09781960.1
(47) 08.01.2020
(87) EP2009060682
24.02.2011
(22) 18.08.2009
(54) PARAMETERS FOR AN ULTRASOUND DEVICE COMPRISING MEANS TO GENERATE HIGH INTENSITY ULTRASOUND BEAM
(73) Eye Tech Care
Institut National de la Santé et de la Recherche Médicale
(72) ROMANO, Fabrizio
LAFON, Cyril
CHAPELON, Jean-Yves
CHAVRIER, Françoise
BIRER, Alain
FARCY, Laurent
CHAPUIS, Philippe

(51) A61F 11/04
H04M 1/725
H04R 25/00
(11) EP3306954
(21) EP15893931.4
(47) 08.01.2020
(87) CN2015092920
08.12.2016
(22) 27.10.2015
(54) ELECTRONIC DEVICE
(73) BOE Technology Group Co., Ltd.
Beijing BOE Optoelectronics Technology Co., Ltd.
(72) LI, Mubing
CHEN, Chungchun
CHEN, Xiaochuan
WANG, Haisheng
LIU, Jiantao
DONG, Xue
MIAO, Jinghua
LIN, Lin
(31) 201510305569
(32) 05.06.2015
(33) China

(51) A61F 13/00
A61F 13/02
A61M 1/00
(11) EP3297698
(21) EP16723361.8
(47) 08.01.2020
(87) EP2016061145
24.11.2016
(22) 18.05.2016
(54) FLUIDIC CONNECTOR FOR NEGATIVE PRESSURE WOUND THERAPY
(73) Smith & Nephew plc
(72) COLLINSON, Sarah, Jenny
GOWANS, John
GOWANS, Philip
(31) 201514715527
(32) 18.05.2015
(33) United States of America

(51) A61F 13/00
A61F 13/02
A61M 1/00
(11) EP3254650
(21) EP17171833.1
(47) 08.01.2020
(22) 20.11.2008
(54) WOUND DRESSING
(73) Smith & Nephew plc
(72) HARTWELL, Edward, Yerbury
(31) 0722820
0817020
(32) 21.11.2007
17.09.2008
(33) United Kingdom
United Kingdom

(51) A61F 13/00
A61F 13/02
A61M 1/00
A61M 27/00
(11) EP3288508
(21) EP16718691.5
(47) 08.01.2020
(87) EP2016059329
03.11.2016
(22) 26.04.2016
(54) REDUCED PRESSURE APPARATUSES
(73) Smith & Nephew plc
(72) GOWANS, John, Philip
HUNT, Allan, Kenneth, Frazer, Grugeon
ASKEM, Ben, Alan
(31) 201562153483 P
201562154078 P
(32) 27.04.2015
28.04.2015
(33) United States of America
United States of America

(51) A61F 13/00
A61F 13/02
A61M 1/00
A61M 27/00
(11) EP3159034
(21) EP16197852.3
(47) 08.01.2020
(22) 25.11.2009
(54) DEVICE FOR DELIVERY OF REDUCED PRESSURE TO BODY SURFACES
(73) KCI Licensing, Inc.
(72) HU, Dean
FONG, Kenton
PINTO, Moshe
HUI, Philip
WU, Kenneth
McGREEVY, Craig
ANDERSON, Evan

(31) 117920 P
117921 P
(32) 25.11.2008
25.11.2008
(33) United States of America
United States of America

(51) A61F 13/00
A61K 9/00
A61K 9/20
A61K 9/48
(11) EP1898878
(21) EP06773731.2
(47) 08.01.2020
(87) US2006024221
04.01.2007
(22) 21.06.2006
(54) DRUG/POLYMER COMPOSITE MATERIALS AND METHODS OF MAKING THE SAME
(73) Micell Technologies, Inc.
(72) MCCLAIN, Jim
DEYOUNG, James
(31) 158724
(32) 22.06.2005
(33) United States of America

(51) A61F 13/02
A61M 1/00
A61M 25/00
A61M 25/02
A61M 27/00
(11) EP2346561
(21) EP09828160.3
(47) 08.01.2020
(87) US2009064972
27.05.2010
(22) 18.11.2009
(54) DELIVERY TUBE, SYSTEM, AND METHOD FOR STORING LIQUID FROM A TISSUE SITE
(73) KCI Licensing, Inc.
(72) COULTHARD, Richard Daniel John
LOCKE, Christopher Brian
TOUT, Aidan Marcus
ROBINSON, Timothy Mark
(31) 275417
(32) 21.11.2008
(33) United States of America

(51) A61F 13/15
A61F 13/49
A61F 13/496
A61F 13/56
(11) EP3185829
(21) EP15757641.4
(47) 08.01.2020
(87) US2015047099
03.03.2016
(22) 27.08.2015
(54) PANT STRUCTURE WITH EFFICIENTLY MANUFACTURED AND AESTHETICALLY PLEASING REAR LEG EDGE PROFILE
(73) The Procter & Gamble Company
(72) BARNES, Jillian, Marie
ZINK, Ronald, Joseph, II
(31) 201462042387 P
(32) 27.08.2014
(33) United States of America

(51) A61F 13/15
A61F 13/49
A61F 13/511
A61F 13/512
(11) EP3245991
(21) EP15894275.5
(47) 08.01.2020
(87) JP2015072922
08.12.2016
(22) 13.08.2015
(54) NON-WOVEN FABRIC FOR ABSORBENT ARTICLE
(73) Unicharm Corporation
(72) UDA, Masashi
SAKAGUCHI, Satoru
MIYAMA, Takuya
(31) 2015110963
(32) 29.05.2015
(33) Japan

(51) A61F 13/15
A61F 13/49
B32B 5/08
(11) EP3296100
(21) EP16814284.2
(47) 08.01.2020
(87) JP2016068158
29.12.2016
(22) 17.06.2016
(54) COMPOSITE STRETCHABLE MEMBER, WEARABLE ARTICLE, AND METHOD FOR PRODUCING WEARABLE ARTICLE
(73) Zuiko Corporation
(72) KOSHIJIMA, Miwa
NAKAMURA, Hideyuki
(31) 2015124927
(32) 22.06.2015
(33) Japan

(51) A61F 13/15
A61F 13/49
B65G 47/46
B65G 47/64
B65G 47/82
B65H 29/58
B65H 45/18
(11) EP2623078
(21) EP11829417.2
(47) 08.01.2020
(87) JP2011072904
05.04.2012
(22) 28.09.2011
(54) SORTING SYSTEM AND SORTING METHOD FOR ABSORBENT ARTICLES
(73) Unicharm Corporation
(72) ISHIKAWA, Osamu
IIDA, Miwa
(31) 2010223041
(32) 30.09.2010
(33) Japan

(51) A61F 13/15
D21B 1/12
D21B 1/16
D21B 1/22
D21H 11/20
(11) EP3277240
(21) EP16774277.4
(47) 08.01.2020
(87) US2016025462
06.10.2016
(22) 01.04.2016
(54) METHODS FOR PRODUCING A CELLULOSIC FIBER HAVING A HIGH CURL INDEX AND ACQUISITION
(73) Resolute FP US Inc.
(72) HANLEY, Shaune
ANDREWS, Mark
CHARBONNEAU, Frank
COTHRAN, Gary
AMIRI, Reza
ALLEM, Rafik
AL DAJANI, Waleed Wafa
(31) 201562142575 P
(32) 03.04.2015
(33) United States of America

(51) A61F 13/42
A61F 13/505
A61F 13/84
G01N 21/35
G01N 21/3554
G01N 21/3577
(11) EP2512392
(21) EP10837136.0
(47) 08.01.2020
(87) IB2010055275
23.06.2011
(22) 18.11.2010
(54) INFRARED WETNESS DETECTION SYSTEM FOR AN ABSORBENT ARTICLE
(73) Kimberly-Clark Worldwide, Inc.
(72) GAKHAR, Sudhanshu
RANGANATHAN, Sridhar
ALES III, Thomas, Michael
SARKIS, Randall, George
(31) 636888
(32) 14.12.2009
(33) United States of America

(51) A61F 13/45
A61F 13/49
A61F 13/60
(11) EP3223762
(21) EP14906886.8
(47) 08.01.2020
(87) US2014067615
02.06.2016
(22) 26.11.2014
(54) ABSORBENT ARTICLE HAVING FINGER TABS AND METHODS OF MANUFACTURING SAME
(73) Kimberly-Clark Worldwide, Inc.
(72) MUELLER, Justin M.
HONDL, Blake A.
MEYER, William J.
RHODES, Brian K.
KLEUSKENS, Sarah

(51) A61F 13/511
A61F 13/513
B32B 5/02
B32B 5/26
D04H 1/56
D04H 1/4291
D04H 1/544
D04H 3/007
D04H 3/14
(11) EP3240515
(21) EP15801736.8
(47) 08.01.2020
(87) EP2015077422

07.07.2016
(22) 24.11.2015
(54) NONWOVEN FABRIC AND PROCESS FOR FORMING THE SAME
(73) Fitesa Germany GmbH
Fitesa Sweden AB
(72) NOVARINO, Elena
FOHLIN, Dag
(31) 15150009
(32) 02.01.2015
(33) European Patent Office (EPO)

(51) A61G 5/00
A61G 5/10
A61G 5/12
(11) EP3261600
(21) EP16755970.7
(47) 08.01.2020
(87) NZ2016050022
01.09.2016
(22) 19.02.2016
(54) A BRACKET
(73) Mascull, Roger Thomas
Mascull, Elizabeth Jocelyn
(72) PATEL, Anil Raman
(31) 70533115
(32) 23.02.2015
(33) New Zealand

(51) A61G 5/12
(11) EP3409256
(21) EP17173983.2
(47) 08.01.2020
(22) 01.06.2017
(54) LOCKING MECHANISM OF AN ARMREST ASSEMBLY FOR A WHEELCHAIR AND A WHEELCHAIR COMPRISING THE SAME
(73) Permobil AB
(72) Torgersson, Pär

(51) A61G 7/005
A61G 7/057
A61G 13/04
A61G 13/08
A61G 13/10
A61G 13/12
(11) EP3207912
(21) EP17157303.3
(47) 08.01.2020
(22) 22.02.2017
(54) PAD FOR POSITIONING A PATIENT ON AN OPERATION TABLE
(73) Innovative Medical Products, Inc.
(72) Cole, Earl
Blackwell, Tim
(31) 201615050290
(32) 22.02.2016
(33) United States of America

(51) A61G 7/05
(11) EP3421024
(21) EP18178066.9
(47) 08.01.2020
(22) 15.06.2018
(54) TELESCOPIC POST OF BED BARRIER AND HOSPITAL BED COMPRISING SUCH A BARRIER
(73) WINNCARE FRANCE
(72) LE ROUX, David
BILLAUD, Julien
(31) 1755827
(32) 26.06.2017
(33) France

(51) A61G 7/08
A61G 13/10
(11) EP3449887
(21) EP18187956.0
(47) 08.01.2020
(22) 08.08.2018
(54) FOOT SECTION FOR AN OPERATING TABLE HAVING A PATIENT LYING AREA AND A SUPPORTING COLUMN
(73) Schmitz u. Söhne GmbH & Co. Kommanditgesellschaft
(72) SCHMITZ, Ludolf
(31) 102017120001
(32) 31.08.2017
(33) Germany

(51) A61G 9/00
(11) EP3225223
(21) EP17161229.4
(47) 08.01.2020
(22) 15.03.2017
(54) MOBILE URINAL WITH AUTONOMOUS RINSING
(73) Rabhi, Abdelhamid
(72) Rabhi, Abdelhamid
(31) 1600531
(32) 30.03.2016
(33) France

(51) A61G 13/10
(11) EP3492060
(21) EP18204482.6
(47) 08.01.2020
(22) 06.11.2018
(54) COUPLING DEVICE FOR CONNECTING A CONNECTING PIECE TO AN ITEM OF MEDICAL FURNITURE AND ASSOCIATED METHOD
(73) Schmitz u. Söhne GmbH & Co. Kommanditgesellschaft
(72) Schmitz, Ludolf
(31) 102017125820
(32) 06.11.2017
(33) Germany

(51) A61G 15/14
A61G 15/16
(11) EP3411001
(21) EP17702400.7
(47) 08.01.2020
(87) EP2017052401
10.08.2017
(22) 03.02.2017
(54) DENTAL INSTRUMENT BRIDGE WITH NOVEL DISPLAY
(73) XO Care A/S
(72) SØRENSEN, Leif Kim
SØRENSEN, Peter Verner Bojsen
HANSEN, Torben
NIELSEN, Michael Guldsteen
KRISTENSEN, Tom
BUNKENBORG, Rasmus
(31) 16154119
(32) 03.02.2016
(33) European Patent Office (EPO)

(51) A61H 1/02
A61H 3/00
(11) EP3280374
(21) EP16718234.4
(47) 08.01.2020
(87) EP2016057626
13.10.2016
(22) 07.04.2016
(54) EXOSKELETON INCLUDING A MECHANICAL ANKLE LINK HAVING TWO PIVOT AXES
(73) Wandercraft
(72) GAYRAL, Thibault
BOULANGER, Alexandre
(31) 1552975
(32) 07.04.2015
(33) France

(51) A61H 1/02
A61H 3/00
(11) EP2861198
(21) EP13734885.0
(47) 08.01.2020
(87) US2013046107
19.12.2013
(22) 17.06.2013
(54) MOVEMENT ASSISTANCE DEVICE
(73) Vanderbilt University
(72) GOLDFARB, Michael
MURRAY, Spencer
(31) 201261660286 P
(32) 15.06.2012
(33) United States of America

(51) A61H 1/02
A61H 3/00
A63B 21/00
A63B 21/005
A63B 21/22
A63B 22/00
A63B 22/06
A63B 24/00
A63B 69/00
(11) EP2488260
(21) EP10823850.2
(47) 08.01.2020
(87) US2010051711
21.04.2011
(22) 06.10.2010
(54) IMPROVED REHABILITATION AND EXERCISE MACHINE
(73) Madonna Rehabilitation Hospital
Board of Regents of the University of Nebraska
(72) BURNFIELD, Judith, M.
SHU, Yu
TAYLOR, Adam
BUSTER, Thad
NELSON, Carl, A.
(31) 250718 P
(32) 12.10.2009
(33) United States of America

(51) A61H 1/02
A61H 3/00
A63B 21/00
A63B 22/02
A63B 69/00
(11) EP2990084
(21) EP15181037.1
(47) 08.01.2020
(22) 14.08.2015
(54) GAIT TRAINING APPARATUS AND CONTROL METHOD THEREFOR

(73) Toyota Jidosha Kabushiki Kaisha
(72) Nakashima, Issei
Shimada, Hiroshi
Takashima, Masayuki
Imaida, Masayuki
Konosu, Hitoshi
(31) 2014170599
(32) 25.08.2014
(33) Japan

(51) A61H 1/02
A63B 21/00
A63B 21/002
A63B 21/005
A63B 23/035
A63B 23/04
A63B 24/00
(11) EP3132785
(21) EP16184588.8
(47) 08.01.2020
(22) 17.08.2016
(54) THERAPEUTIC DEVICE FOR POST-OPERATIVE KNEE
(73) Ewing, Paul
(72) Ewing, Paul
(31) 201514827648
(32) 17.08.2015
(33) United States of America

(51) A61H 3/00
A61H 3/04
B62B 1/12
B62B 3/02
B62B 7/06
B62B 7/10
B62B 9/12
(11) EP3280633
(21) EP16777486.8
(47) 08.01.2020
(87) US2016026936
13.10.2016
(22) 11.04.2016
(54) COLLAPSIBLE ROLLING WALKER
(73) Medline Industries, Inc.
(72) PATERSON, Michael
KIM, Tong Jin
MCDANIEL, Kegan
WESTRA, Luke
(31) 201562145356 P
(32) 09.04.2015
(33) United States of America

(51) A61H 3/04
(11) EP3488839
(21) EP18203746.5
(47) 08.01.2020
(22) 31.10.2018
(54) ROLLATOR WITH AN ELECTRICAL DRIVE
(73) Disco Drives Kirschey GmbH
(72) Kirschey, Gerhard
(31) 102017127568
(32) 22.11.2017
(33) Germany

(51) A61H 3/04
(11) EP3013302
(21) EP13731133.8
(47) 08.01.2020
(87) EP2013063107
31.12.2014
(22) 24.06.2013
(54) HANDLE UNIT FOR A WHEELED WALKING AID AND WHEELED WALKING AID
(73) Bemotec GmbH
(72) HERRMANN, Siegfried

(51) A61J 1/00
A61J 1/03
A61J 7/04
(11) EP3228298
(21) EP15723422.0
(47) 08.01.2020
(87) CN2015071981
02.06.2016
(22) 30.01.2015
(54) MEDICINE BOTTLE
(73) BOE Technology Group Co., Ltd.
(72) LI, Hui
(31) 201410714629
(32) 28.11.2014
(33) China

(51) A61J 1/20
(11) EP3380058
(21) EP16809535.4
(47) 08.01.2020
(87) IL2016051265
01.06.2017
(22) 24.11.2016
(54) DUAL VIAL ADAPTER ASSEMBLAGE INCLUDING DRUG VIAL ADAPTER WITH SELF-SEALING ACCESS VALVE
(73) West Pharma Services IL, Ltd.
(72) DAVID, Uri
DENENBURG, Igor
FABRIKANT, Elisheva
(31) 24277615
24564116
(32) 25.11.2015
15.05.2016
(33) Israel
Israel

(51) A61J 1/20
(11) EP3222265
(21) EP17170133.7
(47) 08.01.2020
(22) 13.06.2007
(54) A DEVICE FOR PROVIDING FLUID TO A RECEPTACLE
(73) Carmel Pharma AB
(72) Helmerson Lundahl, Elisabeth
Bäckström, Fredrik
Ellström, Anna

(51) A61J 1/20
B65B 3/00
(11) EP2231477
(21) EP07866757.3
(47) 08.01.2020
(87) IT2007000790
14.05.2009
(22) 08.11.2007
(54) ASSEMBLY FOR ACTUATING A SYRINGE
(73) AEA S.r.l.
(72) MATTIOLI, Graziano

(51) A61J 3/00
A61M 39/10
B65B 3/00
(11) EP3383346
(21) EP16816072.9
(47) 08.01.2020
(87) US2016064021
08.06.2017
(22) 29.11.2016
(54) MANIFOLD FOR AUTOMATIC DRUG COMPOUNDER
(73) CareFusion 303, Inc.
(72) FEITH, Ray
WANG, Vince
QUITOVIERA, Neil
MANSOUR, George Michel
ZOLLINGER, Christopher J.
QUACH, Matthew
(31) 201562263562 P
(32) 04.12.2015
(33) United States of America

(51) A61K 6/00
(11) EP2921155
(21) EP15153638.0
(47) 08.01.2020
(22) 05.05.2003
(54) Methods for producing high-quality lipids by enzymatic liberation from biomass
(73) DSM IP Assets B.V.
(72) Kobzeff, Joseph M.
Weaver, Craig A.
(31) 377550 P
(32) 03.05.2002
(33) United States of America

(51) A61K 6/00
A61K 6/02
(11) EP2835128
(21) EP13769369.3
(47) 08.01.2020
(87) JP2013001809
03.10.2013
(22) 15.03.2013
(54) ONE-PACK DENTAL ADHESIVE
(73) Kuraray Noritake Dental Inc.
(72) TAKEI, Mitsuru
NOJIRI, Yamato
(31) 2012082062
(32) 30.03.2012
(33) Japan

(51) A61K 6/00
A61K 6/02
A61K 6/083
A61C 5/68
(11) EP3324916
(21) EP16741832.6
(47) 08.01.2020
(87) US2016042745
26.01.2017
(22) 18.07.2016
(54) KIT OF PARTS FOR PRODUCING A GLASS IONOMER CEMENT, PROCESS OF PRODUCTION AND USE THEREOF
(73) 3M Innovative Properties Company
(72) JAHNS, Michael
BRAUN, Peter
PEEZ, Robert
MIKULLA, Markus
GUGGENBERGER, Rainer
(31) 15177624
(32) 21.07.2015
(33) European Patent Office (EPO)

(51) A61K 6/00

A61K 6/083
(11) EP3243499
(21) EP17153582.6
(47) 08.01.2020
(22) 09.10.2009
(54) DENTAL COMPOSITIONS WITH FLUORESCENT PIGMENT
(73) 3M Innovative Properties Co.
(72) KALGUTKAR, Rajdeep S.
KOBUSSEN, Gregory A.
(31) 105528 P
(32) 15.10.2008
(33) United States of America

(51) A61K 8/00
A61K 9/00
A61K 9/50
A61K 31/015
A61K 31/045
A61K 31/05
A61K 31/31
(11) EP2266545
(21) EP10251042.7
(47) 08.01.2020
(22) 04.06.2010
(54) Microencapsulation of essential oils with an enteric matrix
(73) Intercontinental Great Brands LLC
(72) Akashe, Ahmad
Gaonkar, Anikumar Ganapati
Lawrence, Les
Lopez, Amado R.
Meibach, Ronald L.
Sebesta, Dana
Wang, Yan
White, James D.
(31) 479454
(32) 05.06.2009
(33) United States of America

(51) A61K 8/02
A61K 8/20
A61K 8/34
A61K 8/41
A61K 8/42
A61K 8/46
A61K 8/60
A61K 8/81
A61K 8/92
A61Q 19/00
A61Q 19/10
(11) EP3233212
(21) EP15763505.3
(47) 08.01.2020
(87) EP2015069386
06.05.2016
(22) 25.08.2015
(54) PEELING CLEASING PRODUCT ON THE BASIS OF OIL
(73) Beiersdorf AG
(72) ARGEMBEAUX, Horst
HOFF, Anke
(31) 102014222014
(32) 29.10.2014
(33) Germany

(51) A61K 8/02
A61K 8/29
A61Q 1/02
A61Q 17/04
B01J 23/00
B01J 23/02
B01J 35/00
B01J 37/03
C08K 3/22
C30B 7/04
C30B 9/12
C30B 29/32
C30B 29/60
H01G 9/20
C09D 11/037
C09D 11/322
C09D 7/40
C09D 7/61
(11) EP3084050
(21) EP14801935.9
(47) 08.01.2020
(87) EP2014003099
25.06.2015
(22) 20.11.2014
(54) METHOD FOR THE PRODUCTION OF SINGLE CRYSTALLINE MGTIO3 FLAKES
(73) Merck Patent GmbH
(72) SUZUKI, Ryuta
(31) 13005968
(32) 20.12.2013
(33) European Patent Office (EPO)

(51) A61K 8/02
A61K 8/49
A61K 8/55
A61K 8/72
A61Q 11/00
(11) EP3217954
(21) EP15859136.2
(47) 08.01.2020
(87) US2015060603
19.05.2016
(22) 13.11.2015
(54) ABLATIVE, RENEWABLE, MULTI-FUNCTIONAL PROTECTIVE COATING FOR DENTAL SURFACES
(73) Rhodia Operations
(72) REIERSON, Robert Lee
BENDEJACQ, Denis
(31) 201462078996 P
201462079001 P
(32) 13.11.2014
13.11.2014
(33) United States of America
United States of America

(51) A61K 8/02
A61K 8/81
C08F 220/06
(11) EP2981562
(21) EP14721173.4
(47) 08.01.2020
(87) US2014033006
09.10.2014
(22) 04.04.2014
(54) ALKALINE-SWELLABLE EMULSION POLYMERS
(73) Rohm and Haas Company
(72) ZENG, Fanwen
DOULUT, Sylvie
(31) 13290078
(32) 04.04.2013
(33) European Patent Office (EPO)

(51) A61K 8/04
A61K 8/49
A61K 8/73
A61K 9/00
A61K 9/107
A61K 31/4458
A61K 31/728
A61P 19/02
A61Q 19/08
A61K 47/10
(11) EP3173086
(21) EP17150080.4
(47) 08.01.2020
(22) 23.12.2014
(54) HYALURONIC ACID COMPOSITIONS INCLUDING MEPIVACAINE
(73) Laboratoires Vivacy
(72) BON BETEMPS, Jérémie
VITALLY, Guy
(31) 1363505
(32) 23.12.2013
(33) France

(51) A61K 8/06
A61K 8/27
A61K 8/29
A61K 8/72
A61Q 17/04
B01F 17/00
B01F 17/50
(11) EP3383526
(21) EP16802048.5
(47) 08.01.2020
(87) EP2016078995
08.06.2017
(22) 28.11.2016
(54) ANTI-UV EMULSIONS STABILISED WITH LIGNIN AND NANOPARTICLES
(73) Centre National de la Recherche Scientifique (CNRS)
Université d'Orleans
(72) HAMBARDZUMYAN, Arayik
(31) 1561575
(32) 30.11.2015
(33) France

(51) A61K 8/06
A61K 8/31
A61K 8/81
A61K 8/89
A61K 8/891
A61K 8/92
A61Q 1/10
A61Q 19/00
(11) EP3357487
(21) EP16852034.4
(47) 08.01.2020
(87) KR2016010795
06.04.2017
(22) 27.09.2016
(54) LIQUID OIL-DISPERSIBLE TYPE EYE MAKEUP COMPOSITION
(73) Amorepacific Corporation
(72) JANG, Soon Hui
HAN, Eun Sil
(31) 20150137394
(32) 30.09.2015
(33) Korea (Republic)

(51) A61K 8/19
A61K 8/362
A61K 8/63

A61Q 19/10
A61K 8/97
(11) EP2995294
(21) EP14794702.2
(47) 08.01.2020
(87) JP2014062430
13.11.2014
(22) 09.05.2014
(54) BATHING AGENT COMPOSITION
(73) Kao Corporation
(72) HORI, Takaaki
HORIUCHI, Arisa
SUGIYAMA, Mitsuru
NOMURA, Tomoko
(31) 2013099817
(32) 10.05.2013
(33) Japan

(51) A61K 8/19
A61K 8/98
A61K 9/00
A61K 9/06
A61K 9/12
A61K 31/375
A61K 33/10
A61K 36/185
A61K 36/61
A61K 38/48
A61K 47/02
A61L 15/18
A61L 15/40
A61Q 19/00
A61Q 19/10
A61K 35/644
(11) EP3074026
(21) EP14863961.0
(47) 08.01.2020
(87) CA2014051124
28.05.2015
(22) 25.11.2014
(54) COMPOSITION, SYSTEM AND METHOD FOR TREATING SKIN
(73) D.T.R. Dermal Therapy Research Inc.
Biomedical Concepts LLC
(72) PERLMUTTER, Alan Lorne
LEAMAN, JR., Donald H.
(31) 201361908611 P
(32) 25.11.2013
(33) United States of America

(51) A61K 8/22
A61K 8/36
A61K 8/41
A61K 8/44
A61P 1/02
A61Q 11/00
G01N 33/72
(11) EP3213086
(21) EP14906310.9
(47) 08.01.2020
(87) CN2014091418
26.05.2016
(22) 18.11.2014
(54) A KIT COMPRISING A COMPOSITION FOR DETECTING BLOOD
(73) Colgate-Palmolive Company
(72) XU, Shao Peng
QIN, Xiong Fei
YAN, Peng

(51) A61K 8/26
A61K 8/27
A61K 8/28
A61K 8/39
A61K 8/73
A61Q 1/02
A61Q 15/00
A61Q 17/04
A61Q 19/04
A61Q 19/08
(11) EP3192491
(21) EP16151443.5
(47) 08.01.2020
(22) 15.01.2016
(54) COMPOSITION COMPRISING POLYGLYCEROL ESTERS AND HYDROXY-ALKYL MODIFIED GUAR
(73) Evonik Operations GmbH
(72) FRIEDRICH, Achim
MEYER, Jürgen
UNGER, Frank
DAHL, Verena
VON HOF, Jan Marian
SPRINGER, Oliver

(51) A61K 8/27
A61K 8/365
A61K 8/44
A61Q 11/00
(11) EP3193819
(21) EP14904141.0
(47) 08.01.2020
(87) CN2014088622
21.04.2016
(22) 15.10.2014
(54) ORAL CARE COMPOSITIONS COMPRISING ZINC, ARGININE AND SERINE
(73) Colgate-Palmolive Company
(72) XU, Shao Peng
HASSAN, Mahmoud
HUANG, Xiaoyi

(51) A61K 8/29
A61K 8/34
A61K 8/37
A61K 8/40
A61Q 17/04
(11) EP3173130
(21) EP16196696.5
(47) 08.01.2020
(22) 01.11.2016
(54) SUNSCREEN COMPRISING TITANIUM DIOXIDE AND OCTOCRYLENE
(73) Beiersdorf AG
(72) Eitrich, Anja
Sprock, Sarah
Schade, Juliane
Göddertz, Dominik
Eisert, Anja
Reiter, Katharina
(31) 102015223261
(32) 25.11.2015
(33) Germany

(51) A61K 8/33
A61Q 13/00
C07C 47/225
(11) EP2766334
(21) EP12790648.5
(47) 08.01.2020
(87) IB2012055447
18.04.2013
(22) 09.10.2012
(54) NOVEL CYCLOALKANE ALDEHYDES, METHOD FOR PREPARING SAME, AND USE THEREOF IN THE PERFUME INDUSTRY
(73) V. Mane Fils
(72) MURATORE, Agnès
PLESSIS, Caroline
CHANOT, Jean-Jacques
(31) 1159180
(32) 11.10.2011
(33) France

(51) A61K 8/34
A61K 8/35
A61K 8/37
A61K 8/49
A61K 8/60
A61Q 13/00
A61Q 19/00
C11B 9/00
C11D 1/66
C11D 3/20
C11D 3/22
C11D 3/50
(11) EP3307393
(21) EP16731435.0
(47) 08.01.2020
(87) US2016036133
15.12.2016
(22) 07.06.2016
(54) FRAGRANCE COMPOSITION
(73) The Procter & Gamble Company
(72) HOLLAND, Lynette, Anne Makins
BONNET, Christelle, Marie Sandrine
PASTOR, Fabienne
VELAZQUEZ MENDOZA, Jose, Maria
STONEHOUSE, Jonathan, Richard
STAITE, William, Eoghan
STANTON, David, Thomas
TODINI, Oreste
SCHOFIELD, Stephen, Robert
NYAKANA, Sarah, Kyakyo Kanyunyuzi
(31) 201562174532 P
(32) 12.06.2015
(33) United States of America

(51) A61K 8/35
A61K 8/37
A61Q 17/04
(11) EP2985018
(21) EP15186109.3
(47) 08.01.2020
(22) 15.06.2005
(54) ANTI-DISCOLORATION COMPOSITION
(73) Sensient Cosmetic Technologies
(72) SEU-SALERNO, Martine
GRIZZO, Serge
(31) 0406605
(32) 17.06.2004
(33) France

(51) A61K 8/37
A61K 8/42
A61K 8/86
A61L 9/00
A61Q 5/00
A61Q 5/02
A61Q 15/00
A61Q 19/00

A61Q 19/10
C08G 65/333
C08L 71/02
C11D 3/32
C11D 3/37
C11D 3/43
C11D 3/48
C11D 3/50
C11D 17/00
(11) EP3219743
(21) EP16192347.9
(47) 08.01.2020
(22) 05.10.2016
(54) HYDROPHOBICALLY MODIFIED UREA ETHERS AS STRUCTURANTS FOR HYDROPHOBIC SYSTEMS
(73) Procter & Gamble International Operations SA
(72) FERNANDEZ-PRIETO, Susana
DOLATKHANI, Marc
DE BORGGRAEVE, Wim Michel
CUEBILLAS PADERES, Monissa
(31) 16160129
(32) 14.03.2016
(33) European Patent Office (EPO)

(51) A61K 8/37
A61Q 15/00
C07C 69/92
(11) EP3134382
(21) EP15725794.0
(47) 08.01.2020
(87) FR2015051115
29.10.2015
(22) 24.04.2015
(54) NOVEL DERIVATIVES OF BENZYL BENZOATE
(73) Robertet S.A.
(72) PEGARD, Anthony
CASAZZA, André
KERVERDO, Raymond
(31) 1453738
(32) 25.04.2014
(33) France

(51) A61K 8/42
A61Q 19/00
C07C 29/00
C07C 31/22
C07C 231/02
C07C 233/18
(11) EP3408255
(21) EP16766914.2
(47) 08.01.2020
(87) EP2016071554
03.08.2017
(22) 13.09.2016
(54) METHOD OF MAKING A COMPOSITION OF AN ALKANOLAMINE ALKYLAMIDE AND A POLYOL
(73) Nouryon Chemicals International B.V.
(72) BEVINAKATTI, Hanamanthsa
WHITE, Karen Lee
(31) 201662289010 P
(32) 29.01.2016
(33) United States of America

(51) A61K 8/49
A61K 8/55
A61Q 1/14
(11) EP3038596
(21) EP14838935.6
(47) 08.01.2020
(87) CA2014000663
05.03.2015
(22) 28.08.2014
(54) COMPOSITIONS AND METHODS FOR THE REMOVAL OF TATTOOS
(73) Dalhousie University
(72) FALKENHAM, Alec Guy
(31) 201361871929 P
(32) 30.08.2013
(33) United States of America

(51) A61K 8/49
A61Q 19/08
C07D 309/40
(11) EP3385260
(21) EP16871017.6
(47) 08.01.2020
(87) KR2016013927
08.06.2017
(22) 30.11.2016
(54) NOVEL HYDROXYL PYRANONE COMPOUND, METHOD FOR PRODUCING SAME, AND COSMETICS COMPOSITION COMPRISING COMPOUND
(73) Amorepacific Corporation
(72) RHO, Ho Sik
YOO, Jae Won
KIM, Yong Jin
(31) 20150169644
20160159460
(32) 01.12.2015
28.11.2016
(33) Korea (Republic)
Korea (Republic)

(51) A61K 8/64
A61K 8/66
A61Q 17/04
A61Q 19/08
A61K 8/99
(11) EP3229825
(21) EP15868488.6
(47) 08.01.2020
(87) US2015062128
16.06.2016
(22) 23.11.2015
(54) COMPOSITIONS COMPRISING A SIRT6 ACTIVATOR AND A DNA REPAIR ENZYME
(73) ELC Management LLC
(72) PERNODET, Nadine
DONG, Kelly
PELLE, Edward
(31) 201462089618 P
(32) 09.12.2014
(33) United States of America

(51) A61K 8/73
A61K 8/891
A61Q 3/02
(11) EP3349858
(21) EP16777713.5
(47) 08.01.2020
(87) FR2016052194
23.03.2017
(22) 05.09.2016
(54) NAIL POLISH WITH IMPROVED GLOSS
(73) Fiabila
(72) NOUGUEREDE, Olivier
(31) 1558624
(32) 15.09.2015
(33) France

(51) A61K 9/00
A61K 9/06
A61K 33/00
A61K 47/06
(11) EP3217960
(21) EP15798623.3
(47) 08.01.2020
(87) US2015060015
19.05.2016
(22) 10.11.2015
(54) TOPICAL SODIUM NITRITE FORMULATION
(73) The United States of America, as represented by The Secretary, Department of Health and Human Services
(72) KATO, Gregory J.
MINNITI, Caterina P.
JIN, Haksong
GRIMES, George
SPERLING, Deborah
POTTI, Gopal
(31) 201462077622 P
(32) 10.11.2014
(33) United States of America

(51) A61K 9/00
A61K 9/08
A61K 9/51
A61K 31/337
A61K 31/353
A61K 31/555
A61K 47/40
A61P 35/00
C07D 311/58
A61K 33/24
(11) EP2635273
(21) EP11838693.7
(47) 08.01.2020
(87) US2011058820
10.05.2012
(22) 01.11.2011
(54) ISOFLAVONOID COMPOSITIONS AND METHODS FOR THE TREATMENT OF CANCER
(73) MEI Pharma, Inc.
(72) MORENO, Ofir
(31) 408972 P
(32) 01.11.2010
(33) United States of America

(51) A61K 9/00
A61K 9/14
A61K 9/16
A61K 33/44
A61P 1/16
(11) EP2825181
(21) EP13711116.7
(47) 08.01.2020
(87) GB2013050673
19.09.2013
(22) 15.03.2013
(54) POROUS CARBON PARTICLES FOR USE IN THE TREATMENT OR PREVENTION OF LIVER DISEASE
(73) UCL Business Ltd
(72) HOWELL, Carol Angela

MIKHALOVSKY, Sergey Victorovich
SANDEMAN, Susan Rachel
JALAN, Rajiv
MACNAUGHTAN, Jane
(31) 201204696
(32) 16.03.2012
(33) United Kingdom

(51) A61K 9/00
A61K 9/20
A61K 36/81
(11) EP2490667
(21) EP10773277.8
(47) 08.01.2020
(87) EP2010065795
28.04.2011
(22) 20.10.2010
(54) COMPOSITION COMPRISING SOLANUM GLAUCOPHYLLUM FOR PREVENTING AND/OR TREATING HYPOCALCAEMIA AND FOR STABILIZING BLOOD CALCIUM LEVELS
(73) Herbonis AG
(72) BACHMANN, Heinrich
RAMBECK, Walter
(31) 16112009
(32) 20.10.2009
(33) Switzerland

(51) A61K 9/00
A61K 31/175
A61K 31/44
A61P 25/28
(11) EP2968319
(21) EP14770876.2
(47) 08.01.2020
(87) US2014028039
25.09.2014
(22) 14.03.2014
(54) TREATMENT FOR CHEMOTHERAPY-INDUCED COGNITIVE IMPAIRMENT
(73) Ghanbari, Hossein
(72) GHANBARI, Hossein, A.
JIANG, Zhi-gang
(31) 201313803842
(32) 14.03.2013
(33) United States of America

(51) A61K 9/00
A61K 31/19
A61K 31/194
A61K 31/198
A61K 31/20
A61K 31/215
A61K 31/22
A61K 31/225
A61P 21/00
A61P 25/28
(11) EP3068492
(21) EP14861265.8
(47) 08.01.2020
(87) US2014065670
21.05.2015
(22) 14.11.2014
(54) NEURODEGENERATIVE DISORDERS AND METHODS OF TREATMENT AND DIAGNOSIS THEREOF
(73) The University Of Queensland
(72) BORGES, Karin
NGO, Shyuan T.
(31) 201361904365 P
(32) 14.11.2013
(33) United States of America

(51) A61K 9/00
A61K 31/353
A61K 31/355
A61P 9/12
A61P 17/14
A61P 17/16
A61P 21/00
A61P 29/00
A61P 35/00
(11) EP2919777
(21) EP13854440.8
(47) 08.01.2020
(87) AU2013001310
22.05.2014
(22) 13.11.2013
(54) TRANSMUCOSAL DELIVERY OF TOCOTRIENOL
(73) INVICTUS BIOTECHNOLOGY PTY LTD.
(72) TONG, Glenn
(31) 2012904937
2012905406
(32) 13.11.2012
11.12.2012
(33) Australia
Australia

(51) A61K 9/00
A61K 31/4164
A61K 31/4168
A61K 31/4174
A61K 31/426
A61K 31/4375
A61K 31/54
A61P 23/00
(11) EP3217978
(21) EP15858374.0
(47) 08.01.2020
(87) FI2015050774
19.05.2016
(22) 09.11.2015
(54) COMPOSITIONS COMPRISING SUBSTITUTED BENZOFUROQUINOLIZINE AND ALPHA2-ADRENERGIC AGONISTS
(73) Vetcare Oy
(72) VAINIO, Outi
RAEKALLIO, Marja
HONKAVAARA, Juhana
RESTITUTTI, Flavia
TURUNEN, Heta
(31) 20145984
(32) 10.11.2014
(33) Finland

(51) A61K 9/00
A61M 5/142
A61M 5/145
A61M 5/148
A61M 5/162
A61M 31/00
(11) EP3065799
(21) EP14799648.2
(47) 08.01.2020
(87) US2014064030
14.05.2015
(22) 05.11.2014
(54) FLUID DELIVERY DEVICES AND METHODS
(73) Inguran, LLC
(72) ABHISHEK, Ramkumar
LINN, Felicia
(31) 201314071929
(32) 05.11.2013
(33) United States of America

(51) A61K 9/08
A61K 9/19
A61K 31/50
A61P 9/04
(11) EP3370693
(21) EP16790403.6
(47) 08.01.2020
(87) EP2016076669
11.05.2017
(22) 04.11.2016
(54) IMPROVED FORMULATIONS OF LEVOSIMENDAN FOR INTRAVENOUS ADMINISTRATION AS INFUSION OR INJECTION AND OF INFUSION CONCENTRATE
(73) Carinopharm GmbH
(72) WEILAND, Andrea
(31) 15193521
(32) 06.11.2015
(33) European Patent Office (EPO)

(51) A61K 9/08
A61K 9/51
A61K 31/337
A61K 31/353
A61K 31/555
A61K 47/40
A61P 35/00
C07D 311/58
A61K 33/24
(11) EP2635121
(21) EP11838692.9
(47) 08.01.2020
(87) US2011058815
10.05.2012
(22) 01.11.2011
(54) ISOFLAVONOID COMPOUNDS AND METHODS FOR THE TREATMENT OF CANCER
(73) MEI Pharma, Inc.
(72) JEOFFREYS, George
JOHNSON, Alison
MORENO, Ofir
HEATON, Andrew
(31) 408972 P
(32) 01.11.2010
(33) United States of America

(51) A61K 9/08
A61K 31/195
A61K 31/198
A61P 25/16
(11) EP3326615
(21) EP17207731.5
(47) 08.01.2020
(22) 15.11.2011
(54) CONTINUOUS ADMINISTRATION OF L-DOPA, DOPA DECARBOXYLASE INHIBITORS, CATECHOL-O-METHYL TRANSFERASE INHIBITORS AND COMPOSITIONS FOR SAME
(73) Neuroderm Ltd

(72) YACOBY-ZEEVI, Oron
NEMAS, Mara
(31) 413637 P
201161524064 P
(32) 15.11.2010
16.08.2011
(33) United States of America
United States of America

(51) A61K 9/107
A61K 31/4365
A61K 47/12
A61K 47/44
(11) EP2953613
(21) EP14748755.7
(47) 08.01.2020
(87) US2014015097
14.08.2014
(22) 06.02.2014
(54) STABLE PHARMACEUTICAL COMPOSITION OF CLOPIDOGREL FREE BASE FOR ORAL AND PARENTERAL DELIVERY
(73) Huang, Jingjun
(72) Huang, Jingjun
(31) 201361761234 P
(32) 06.02.2013
(33) United States of America

(51) A61K 9/107
A61K 31/7016
A61K 38/13
A61K 47/26
A61P 27/02
A61K 47/44
(11) EP3213763
(21) EP15850677.4
(47) 08.01.2020
(87) KR2015011048
21.04.2016
(22) 19.10.2015
(54) OPHTHALMIC COMPOSITION COMPRISING CYCLOSPORINE AND TREHALOSE
(73) Huons Co., Ltd.
(72) LIM, Jong Hwan
HONG, Sung-Woon
KO, Dae Woong
NAM, Seung Kwan
AHN, Mi Sun
HWANG, Deok-Kyu
KIM, Yeong-Mok
UM, Key-An
(31) 20140141089
(32) 17.10.2014
(33) Korea (Republic)

(51) A61K 9/107
A61K 41/00
A61K 47/34
(11) EP3041510
(21) EP14762112.2
(47) 08.01.2020
(87) PL2014050046
12.03.2015
(22) 25.07.2014
(54) POLYMER MICELLE CONTAINING A PHOTOSENSITIZER
(73) Siec Badawcza Lukasiewicz - PORT Polski Osrodek Rozwoju Technologii
(72) FRACKOWIAK, Renata
CIBOR, Urszula
WILK, Kazimiera
GAMIAN, Andrzej
(31) 40524113
(32) 04.09.2013
(33) Poland

(51) A61K 9/127
A61K 38/17
A61K 39/00
A61K 39/395
C07K 14/47
C07K 14/755
C07K 16/18
C07K 19/00
(11) EP2814500
(21) EP13721386.4
(47) 08.01.2020
(87) IB2013000684
22.08.2013
(22) 15.02.2013
(54) ERYTHROCYTE-BINDING THERAPEUTICS
(73) Ecole Polytechnique Fédérale de Lausanne (EPFL)
(72) HUBBELL, Jeffrey, A.
KONTOS, Stephane
DANE, Karen, Y.
(31) 201213397202
(32) 15.02.2012
(33) United States of America

(51) A61K 9/14
A61K 31/713
A61K 38/00
C08G 73/02
(11) EP2964244
(21) EP14713268.2
(47) 08.01.2020
(87) IB2014059594
12.09.2014
(22) 10.03.2014
(54) MODIFIED POLY(BETA-AMINO ESTER)S FOR DRUG DELIVERY
(73) Institut Químic de Sarrià CETS Fundació Privada
(72) BORRÓS GÓMEZ, Salvador
RAMOS PÉREZ, Victor
SEGOVIA RAMOS, Nathaly
DOSTA PONS, Pere
(31) 201304245
(32) 08.03.2013
(33) United Kingdom

(51) A61K 9/20
A61K 9/48
A61K 45/06
A61K 47/30
A61K 47/32
(11) EP3162363
(21) EP15816054.9
(47) 08.01.2020
(87) KR2015006743
07.01.2016
(22) 30.06.2015
(54) COMPOSITE PREPARATION COMPRISING ACTIVE INGREDIENT-CONTAINING FILM COATING LAYER
(73) Hanmi Pharm. Co., Ltd.
(72) KIM, Hyung Seo
CHO, Jung Hyun
CHOI, Young Keun
KIM, Kyeong Soo
KIM, Jin Cheul
KIM, Yong Il
PARK, Jae Hyun
WOO, Jong Soo
(31) 20140081223
(32) 30.06.2014
(33) Korea (Republic)

(51) A61K 9/20
A61K 31/138
A61K 31/4422
(11) EP2359815
(21) EP11003486.5
(47) 08.01.2020
(22) 30.09.2009
(54) Compositions comprising amlodipine and bisoprolol
(73) Egis Gyógyszergyár Zrt.
(72) Wagner, László
Zsigmond, Zsolt
Ujfalussy, György
Leventiszné Huszár, Magdolna
Tonka-Nagy, Péter
Bárczay, Erzsébet
Góra, Lászlóné
Szeleczki, Edit
Fülöp, Àgnes
(31) 0800591
(32) 30.09.2008
(33) Hungary

(51) A61K 9/20
A61K 31/4985
(11) EP2962685
(21) EP15174276.4
(47) 08.01.2020
(22) 29.06.2015
(54) ORALLY DISINTEGRATING FORMULATIONS OF TADALAFIL
(73) MONTERO GIDA SANAYI VE TICARET A.S.
(72) TÜRKYILMAZ, Ali
YELKEN, Gülay
GÜNER, Dicle
ZAN, Merve
(31) 201407627
201507833
(32) 30.06.2014
25.06.2015
(33) Turkey
Turkey

(51) A61K 9/24
A61K 9/28
A61K 31/439
(11) EP3277278
(21) EP16718062.9
(47) 08.01.2020
(87) US2016025176
06.10.2016
(22) 31.03.2016
(54) COMBINATION DOSAGE FORM OF A MU OPIOID RECEPTOR ANTAGONIST AND AN OPIOID AGENT
(73) Theravance Biopharma R&D IP, LLC
(72) LI, Shaoling
LEUNG, Manshiu
ZHANG, Hao
THALLADI, Venkat R.

MO, Yun
(31) 201562141981 P
(32) 02.04.2015
(33) United States of America

(51) A61K 9/28
(11) EP2844234
(21) EP13713755.0
(47) 08.01.2020
(87) EP2013000971
31.10.2013
(22) 02.04.2013
(54) TABLETS WITH COATING AND THE PRODUCTION THEREOF
(73) Merck Patent GmbH
(72) OGNIBENE, Roberto
BERNHARDT, Sandra, Erika
BREIDUNG, Melanie, Mechthild
LUBDA, Dieter
OHREM, Hans-Leonhard
(31) 12002988
12006370
(32) 27.04.2012
11.09.2012
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A61K 9/48
A61K 31/592
A61K 31/593
A61K 39/40
A61P 5/20
(11) EP2552484
(21) EP11763340.4
(47) 08.01.2020
(87) US2011030404
06.10.2011
(22) 29.03.2011
(54) METHODS AND COMPOSITIONS FOR REDUCING PARATHYROID LEVELS
(73) Opko Ireland Global Holdings, Ltd.
Opko Renal, LLC
(72) TABASH, Samir, P.
BISHOP, Charles, W.
MELNICK, Joel, Z.
MESSNER, Eric, J.
PETKOVICH, P., Martin
WHITE, Jay, A.
(31) 405196 P
318741 P
(32) 20.10.2010
29.03.2010
(33) United States of America
United States of America

(51) A61K 9/50
A61K 31/00
A61K 38/18
A61K 47/42
(11) EP2680827
(21) EP12708120.6
(47) 08.01.2020
(87) EP2012053733
13.09.2012
(22) 05.03.2012
(54) PARTICLES CONTAINING A GROWTH FACTOR, AND USES THEREOF
(73) Institut National de la Santé et de la Recherche Médicale
Centre National de la Recherche Scientifique (CNRS)
Universite de Rouen
Universite De Reims Champagne Ardenne (U.R.C.A.)
Centre Hospitalier Universitaire de Rouen
(72) BRAKENHIELM, Ebba
BANQUET, Sébastien
EDWARDS-LEVY, Florence
THUILLEZ, Christian
(31) 11305233
(32) 04.03.2011
(33) European Patent Office (EPO)

(51) A61K 9/50
A61K 49/04
A61K 49/18
A61K 49/22
B01J 13/22
(11) EP2673079
(21) EP12708151.1
(47) 08.01.2020
(87) GB2012050276
16.08.2012
(22) 08.02.2012
(54) LAYERED BODIES, COMPOSITIONS CONTAINING THEM AND PROCESSES FOR PRODUCING THEM
(73) UCL BUSINESS LTD
(72) EDIRISINGHE, Mohan
CHANG, Ming Wei
STRIDE, Eleanor
(31) 201102148
(32) 08.02.2011
(33) United Kingdom

(51) A61K 9/50
A61K 49/22
(11) EP3223864
(21) EP15813280.3
(47) 08.01.2020
(87) EP2015077827
02.06.2016
(22) 26.11.2015
(54) MULTIMODAL ULTRASOUND AND PHOTOACOUSTIC CONTRAST AGENT BASED ON POLYMERIC MICROPARTICLES
(73) RWTH Aachen
FUJIFILM VisualSonics, Inc.
(72) KIESSLING, Fabian
LAMMERS, Twan
NYONGAMSEN, Stanley Fokong
SUPPELT, Katrin
(31) 14194967
(32) 26.11.2014
(33) European Patent Office (EPO)

(51) A61K 31/00
A61K 31/255
A61K 31/327
A61K 33/40
(11) EP2630957
(21) EP13169190.9
(47) 08.01.2020
(22) 29.07.2010
(54) Method of treating animal drinking water with interval dosing of a biocide
(73) Ecolab USA Inc.
(72) Verkaar, Edward L.C.
Hendriks, Erik
Hilgren, John D.

(51) A61K 31/015
A61K 31/05
A61K 31/09
A61P 25/02
A61P 27/02
A61P 29/00
C07C 13/32
C07C 39/23
C07C 43/23
(11) EP3071193
(21) EP14864137.6
(47) 08.01.2020
(87) CA2014000841
28.05.2015
(22) 20.11.2014
(54) COMPOSITIONS AND METHODS FOR TREATMENT OF OCULAR INFLAMMATION AND PAIN
(73) Panag Pharma Inc.
(72) LYNCH, Mary
KELLY, Melanie
(31) 201361906694 P
(32) 20.11.2013
(33) United States of America

(51) A61K 31/12
A61K 31/385
A61K 31/405
A61P 15/12
(11) EP3182966
(21) EP15774697.5
(47) 08.01.2020
(87) IB2015056272
25.02.2016
(22) 18.08.2015
(54) A COMPOSITION FOR THE PREVENTION AND TREATMENT OF METABOLIC DISORDERS ASSOCIATED WITH MENOPAUSE AND CLIMACTERIC
(73) Kolinpharma S.p.A.
(72) BIJNO, Domenico
DI VINCENZO, Carmine
LUSENTI, Emanuele
MARTINA, Alberto
PETRELLI, Ritapaola
(31) TO20140675
(32) 20.08.2014
(33) Italy

(51) A61K 31/121
A61P 35/00
(11) EP3148519
(21) EP15724306.4
(47) 08.01.2020
(87) EP2015061534
03.12.2015
(22) 26.05.2015
(54) SKIN CANCER TREATMENT
(73) Avexxin AS
(72) JOHANSEN, Berit
FEUERHERM, Astrid Jullumstrø
(31) 201409363
(32) 27.05.2014
(33) United Kingdom

(51) A61K 31/133
A61K 31/4965
A61K 31/498
A61P 31/06
(11) EP3215225
(21) EP15857307.1
(47) 08.01.2020

(87) US2015058892
12.05.2016
(22) 03.11.2015
(54) MULTI-DRUG THERAPIES FOR TUBERCULOSIS TREATMENT
(73) The Regents of the University of California
(72) HO, Chih-Ming
CLEMENS, Daniel L.
CLEMENS, Bai-Yu Lee
HORWITZ, Marcus Aaron
SILVA VITE, Aleidy Marlene
KEE, Theodore
DING, Xianting
(31) 201462074508 P
201562217306 P
(32) 03.11.2014
11.09.2015
(33) United States of America
United States of America

(51) A61K 31/136
A61P 25/28
C07C 211/44
C07C 211/48
C07C 215/16
(11) EP2970098
(21) EP14762754.1
(47) 08.01.2020
(87) US2014028707
18.09.2014
(22) 14.03.2014
(54) NON-PEPTIDE BDNF NEUROTROPHIN MIMETICS
(73) Pharmatrophix Inc.
(72) LONGO, Frank M.
(31) 201361799945 P
(32) 15.03.2013
(33) United States of America

(51) A61K 31/137
A61K 31/138
A61K 31/145
A61K 31/155
A61P 27/02
C07C 217/20
C07C 217/60
C07C 217/72
C07C 225/16
C07C 229/38
C07C 235/08
C07C 317/28
C07D 277/24
C07D 309/06
(11) EP3210966
(21) EP16201976.4
(47) 08.01.2020
(22) 03.10.2008
(54) ALKOXYPHENYLPROPYLAMINES FOR THE TREATMENT OF AGE-RELATED MACULAR DEGENERATION
(73) Acucela, Inc.
(72) SCOTT, Ian L.
KUKSA, Vladimir A.
ORME, Mark W.
LITTLE, Thomas
GALL, Anna
HONG, Feng
(31) 977957 P
66353 P
43127 P
51657 P
60083 P
(32) 05.10.2007
19.02.2008
07.04.2008
08.05.2008
09.06.2008
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) A61K 31/137
A61K 31/19
A61K 31/352
A61K 31/506
A61K 38/17
A61K 45/00
A61P 35/02
(11) EP3398613
(21) EP16900051.0
(47) 08.01.2020
(87) CN2016091023
02.11.2017
(22) 22.07.2016
(54) METHOD FOR TREATING LEUKEMIA USING REPROGRAMMING EFFECT
(73) Institute of Hematology and Blood Disease Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College
(72) CHENG, Tao
CHENG, Hui
WANG, Yajie
ZHANG, Hongyan
ZHENG, Yawei
HAO, Sha
(31) 201610280410
(32) 28.04.2016
(33) China

(51) A61K 31/137
A61K 31/4045
A61K 31/4184
A61K 31/519
A61P 25/16
A61P 25/28
(11) EP3062791
(21) EP14858402.2
(47) 08.01.2020
(87) US2014062644
07.05.2015
(22) 28.10.2014
(54) NOVEL TREATMENTS FOR ATTENTION AND COGNITIVE DISORDERS, AND FOR DEMENTIA ASSOCIATED WITH A NEURODEGENERATIVE DISORDER
(73) Drexel University
(72) KORTAGERE, Sandhya
(31) 201361896173 P
(32) 28.10.2013
(33) United States of America

(51) A61K 31/155
A61K 31/4184
A61K 31/522
A61P 3/10
(11) EP2640371
(21) EP11787655.7
(47) 08.01.2020
(87) EP2011070156
24.05.2012
(22) 15.11.2011
(54) VASOPROTECTIVE AND CARDIOPROTECTIVE ANTIDIABETIC THERAPY
(73) Boehringer Ingelheim International GmbH
(72) KLEIN, Thomas
DAIBER, Andreas
JOHANSEN, Odd-Erik
MARK, Michael
PATEL, Sanjaykumar
WOERLE, Hans-Juergen
(31) 10191261
415545 P
421400 P
11168317
201161492391 P
11170992
(32) 15.11.2010
19.11.2010
09.12.2010
31.05.2011
02.06.2011
22.06.2011
(33) European Patent Office (EPO)
United States of America
United States of America
European Patent Office (EPO)
United States of America
European Patent Office (EPO)

(51) A61K 31/192
A61K 31/20
A61P 19/08
A61P 19/10
(11) EP3204000
(21) EP15849766.9
(47) 08.01.2020
(87) CA2015000530
14.04.2016
(22) 08.10.2015
(54) PHENYLKETONE CARBOXYLATE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS FOR THE PREVENTION AND TREATMENT OF OSTEOPOROSIS
(73) Liminal Biosciences Limited
(72) GAGNON, Lyne
GROUIX, Brigitte
(31) 201462062660 P
(32) 10.10.2014
(33) United States of America

(51) A61K 31/192
A61K 45/06
A61P 19/08
A61P 19/10
(11) EP3203999
(21) EP15849675.2
(47) 08.01.2020
(87) CA2015000540
14.04.2016
(22) 08.10.2015
(54) SUBSTITUTED AROMATIC COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS FOR THE PREVENTION AND TREATMENT OF OSTEOPOROSIS
(73) Liminal Biosciences Limited
(72) GAGNON, Lyne
GROUIX, Brigitte
(31) 201462062597 P

(32) 10.10.2014
(33) United States of America

(51) A61K 31/196
A61K 31/215
A61K 31/351
A61K 31/36
A61K 45/06
A61P 35/00
A61P 35/04
C07C 233/52
C07D 309/30
C07D 317/68
(11) EP2773340
(21) EP11874886.2
(47) 08.01.2020
(87) CA2011050690
10.05.2013
(22) 04.11.2011
(54) USE OF NEU1 SIALIDASE INHIBITORS IN THE TREATMENT OF CANCER
(73) Szewczuk, Myron R.
(72) Josefowitz Paul Zachary
Szewczuk Myron R.

(51) A61K 31/202
A61K 31/352
A61K 45/06
A61P 19/08
A23L 33/10
A23L 33/115
(11) EP2999467
(21) EP14729418.5
(47) 08.01.2020
(87) FR2014051108
20.11.2014
(22) 13.05.2014
(54) USE OF A COMBINATION OF TWO COMPOUNDS FOR THE TREATMENT AND/OR PREVENTION OF BONE DISORDERS
(73) Institut National De La Recherche Agronomique (INRA)
(72) LEOTOING, Laurent
COXAM, Véronique
WITTRANT, Yohann
(31) 1354275
(32) 13.05.2013
(33) France

(51) A61K 31/203
A61P 25/00
C07C 403/20
A23L 33/10
(11) EP3294711
(21) EP16729373.7
(47) 08.01.2020
(87) IB2016052639
17.11.2016
(22) 09.05.2016
(54) STEREOSELECTIVE SYNTHESIS OF 9-CIS-13,14-DIHYDRORETINOIC ACID AND ITS ETHYL ESTERS
(73) University of Debrecen
Universidade de Vigo
Université de Strasbourg
(72) KREZEL, Wojciech
RÜHL, Ralph
DE LERA, Angel R
(31) 201562158634 P
(32) 08.05.2015
(33) United States of America

(51) A61K 31/216
B01D 9/00
B01D 9/04
B01D 11/02
C07C 67/48
C07C 67/52
C07C 67/56
C07C 69/732
(11) EP3225615
(21) EP14906812.4
(47) 08.01.2020
(87) CN2014092262
02.06.2016
(22) 26.11.2014
(54) PREPARATION METHOD FOR MEDICINAL CHLOROGENIC ACID
(73) Sichuan Jiuzhang Biological Science And Technology Co., Ltd
(72) ZHANG, Jie
ZHANG, Liang
HUANG, Wang

(51) A61K 31/245
A61K 31/4184
A61K 31/706
A61K 31/7068
A61K 31/708
A61K 45/06
A61P 35/00
(11) EP2914254
(21) EP13851971.5
(47) 08.01.2020
(87) US2013067607
08.05.2014
(22) 30.10.2013
(54) COMBINATION THERAPIES TO TREAT CHEMORESISTANT CANCERS
(73) MEI Pharma, Inc.
(72) GOLD, Daniel, P.
GARCIA-MANERO, Guillermo
(31) 201261720346 P
(32) 30.10.2012
(33) United States of America

(51) A61K 31/282
A61K 31/337
A61K 31/4406
A61K 31/7084
A61K 45/06
C07H 21/00
C12N 15/11
A61K 33/24
(11) EP2944646
(21) EP15161013.6
(47) 08.01.2020
(22) 25.09.2006
(54) Oligonucleotide analogues incorporating 5-aza-cytosine therein
(73) Astex Pharmaceuticals, Inc.
(72) Phiasivongsa, Pasit
Redkar, Sanjeev
(31) 241799
(32) 29.09.2005
(33) United States of America

(51) A61K 31/343
A61K 31/381
A61K 31/403
A61K 31/4439
A61K 31/454
A61K 31/4545
A61K 31/496
A61K 31/5377
A61K 47/20
A61K 47/22
A61P 25/24
A61P 25/28
A61P 35/00
A61P 35/02
A61P 35/04
A61P 43/00
A61K 47/10
A61K 47/14
A61K 47/34
(11) EP2606886
(21) EP11818237.7
(47) 08.01.2020
(87) JP2011068735
23.02.2012
(22) 19.08.2011
(54) COMPOSITION COMPRISING TETRACYCLIC COMPOUND
(73) Chugai Seiyaku Kabushiki Kaisha
(72) FURUMOTO Kentaro
SHIRAKI Koji
HIRAYAMA Tomoaki
(31) 2010185385
(32) 20.08.2010
(33) Japan

(51) A61K 31/40
A61K 31/4025
A61K 38/00
A61P 1/00
C07D 207/04
C07D 403/06
C07K 5/097
C07K 5/103
C07K 5/107
C07K 5/117
A61K 47/54
(11) EP3265443
(21) EP16822053.1
(47) 08.01.2020
(87) US2016041563
12.01.2017
(22) 08.07.2016
(54) PYRROLIDINE CARBOXAMIDO DERIVATIVES AND METHODS FOR PREPARING AND USING THE SAME
(73) Research & Business Foundation Sungkyunkwan University
Korea Research Institute of Chemical Technology
(72) CHOI, Gildon
RHEE, Sang Dal
ALI, Imran
CHAE, Chong, Hak
PARK, Seok Hee
JEON, Moon, Kook
LEE, Youn Sook
LEE, Kwangho
(31) 20150097040
(32) 08.07.2015
(33) Korea (Republic)

(51) A61K 31/404
A61K 31/4184
A61K 31/4188
A61K 31/437

A61K 31/444
A61K 31/4545
A61K 31/496
A61K 31/5025
A61K 31/5377
A61K 45/06
A61P 7/04
A61P 7/12
A61P 9/10
A61P 9/12
A61P 17/04
A61P 29/00
A61P 31/12
A61P 35/00
C07D 235/02
C07D 471/04
(11) EP3253737
(21) EP16703836.3
(47) 08.01.2020
(87) GB2016050268
11.08.2016
(22) 04.02.2016
(54) AUTOTAXIN INHIBITORY COMPOUNDS
(73) Cancer Research Technology Ltd
(72) STOCKLEY, Martin Lee
MACDONALD, Ellen Catherine
SHAH, Pritom
JORDAN, Allan
HITCHIN, James
HAMILTON, Niall
(31) 201502020
(32) 06.02.2015
(33) United Kingdom

(51) A61K 31/409
A61P 35/00
C07D 487/22
(11) EP3271363
(21) EP16716286.6
(47) 08.01.2020
(87) IB2016051552
29.09.2016
(22) 18.03.2016
(54) ATROPISOMERS OF FLUORINATED TETRAPHENYLBACTERIOCHLORINS AND CHLORINS AND THEIR USE IN PHOTODYNAMIC THERAPY
(73) Luzitin S.A.
Universidade De Coimbra
(72) FERREIRA GONÇALVES, Nuno Paulo
CERCA MARTINS DOS SANTOS, Tania Patricia
PEREIRA NASCIMENTO COSTA, Gonçalo
PEREIRA MONTEIRO, Carlos Jorge
SCHABERLE, Fabio Antonio
CORREIA ALFAR, Sonia
REIS DE ABREU, Artur Carlos
MIGUÉNS PEREIRA, Maria
DA SILVA ARNAUT MOREIRA, Luís Guilherme
(31) 2015108310
(32) 20.03.2015
(33) Portugal

(51) A61K 31/415
A61K 31/416
A61K 31/454
A61K 31/496
A61P 25/00
A61P 25/16
A61P 43/00
C07D 231/56
C07D 401/12
(11) EP3165523
(21) EP15815352.8
(47) 08.01.2020
(87) KR2015006718
07.01.2016
(22) 30.06.2015
(54) COMPOSITION FOR INDUCING CELL REPROGRAMMING
(73) Gwangju Institute of Science and Technology
(72) KIM, Yong Chul
WILLIAMS, Darren R.
JUNG, Da Woon
LEE, Jung Eun
SEO, Shin Ae
PARK, Ji Yeon
(31) 20140081889
(32) 01.07.2014
(33) Korea (Republic)

(51) A61K 31/4152
A61P 7/02
(11) EP3127427
(21) EP16183711.7
(47) 08.01.2020
(22) 27.05.2010
(54) METHODS OF ADMINISTRATION OF THROMBOPOIETIN AGONIST COMPOUNDS
(73) NOVARTIS AG
(72) ERICKSON-MILLER, Connie, L.
JENKINS, Julian
(31) 182148 P
(32) 29.05.2009
(33) United States of America

(51) A61K 31/4155
A61P 37/00
C07D 401/04
C07D 401/14
C07D 403/14
C07D 409/14
C07D 413/14
C07D 417/14
C07D 487/04
C07D 487/10
(11) EP3066094
(21) EP14805371.3
(47) 08.01.2020
(87) JP2014080005
14.05.2015
(22) 05.11.2014
(54) PYRAZOLE FOR THE TREATMENT AUTOIMMUNE DISORDERS
(73) Takeda Pharmaceutical Company Limited
(72) YOSHIDA, Masato
TAKAMI, Kazuaki
TOMINARI, Yusuke
SHIOKAWA, Zenyu
SHIBUYA, Akito
SASAKI, Yusuke
GIBSON, Tony
TAKAGI, Terufumi
(31) 2013232571
2014128562
(32) 08.11.2013
23.06.2014
(33) Japan
Japan

(51) A61K 31/4164
A61K 31/4196
A61K 31/4245
A61K 31/426
A61K 31/433
A61K 31/436
A61K 31/437
A61K 31/44
A61K 31/4985
A61K 31/50
A61K 31/5025
A61K 31/505
A61P 25/06
A61P 25/08
A61P 25/16
A61P 25/24
A61P 25/28
C07D 401/12
C07D 409/14
C07D 487/04
(11) EP3303323
(21) EP16804257.0
(47) 08.01.2020
(87) US2016035098
08.12.2016
(22) 31.05.2016
(54) 3,3-DIFLUOROPIPERIDINE CARBAMATE HETEROCYCLIC COMPOUNDS AS NR2B NMDA RECEPTOR ANTAGONISTS
(73) Rugen Holdings (Cayman) Limited
(72) SHAPIRO, Gideon
(31) 201562169107 P
(32) 01.06.2015
(33) United States of America

(51) A61K 31/421
A61K 31/422
A61K 31/426
A61K 31/427
A61K 31/4709
A61K 31/4725
A61P 9/00
A61P 9/10
A61P 25/28
A61P 35/00
C07D 263/48
C07D 277/42
C07D 413/04
C07D 417/04
(11) EP3036226
(21) EP14837235.2
(47) 08.01.2020
(87) US2014052269
26.02.2015
(22) 22.08.2014
(54) INHIBITORS OF HUMAN 12/15-LIPOXYGENASE
(73) The General Hospital Corporation
The Regents of The University of California
Santa Cruz
The U.S.A. as represented by the Secretary, Department of Health and Human Services
(72) VAN LEYEN, Klaus
HOLMAN, Theodore R.
MALONEY, David J.
JADHAV, Ajit

SIMEONOV, Anton
RAI, Ganesha
(31) 201361868611 P
(32) 22.08.2013
(33) United States of America

(51) A61K 31/425
A61K 31/70
A61K 49/00
A61K 49/06
C07D 277/04
C07D 277/06
(11) EP2830666
(21) EP13767943.7
(47) 08.01.2020
(87) US2013033919
03.10.2013
(22) 26.03.2013
(54) EFFICIENT SYNTHESIS OF ETHYLENEDICYSTEINE-SUGAR CONJUGATES FOR IMAGING AND THERAPY
(73) Board of Regents, The University of Texas System
(72) YANG, David, J.
YU, Dong-Fang
(31) 201261615684 P
(32) 26.03.2012
(33) United States of America

(51) A61K 31/427
A61P 31/12
C07D 277/28
C07D 417/14
(11) EP3150586
(21) EP16180589.0
(47) 08.01.2020
(22) 22.02.2008
(54) MODULATORS OF PHARMACOKINETIC PROPERTIES OF THERAPEUTICS
(73) Gilead Sciences, Inc.
(72) Desai, Manoj, C.
Hong, Allen, Y.
Hui, Hon, C.
Liu, Hongtao
Vivian, Randall, W.
Xu, Lianhong
(31) 903228 P
958716 P
(32) 23.02.2007
06.07.2007
(33) United States of America
United States of America

(51) A61K 31/433
A61K 31/454
A61K 31/496
A61P 21/00
C07D 417/10
C07D 417/12
C07D 417/14
C07D 487/04
C07D 487/10
(11) EP2948448
(21) EP14704959.7
(47) 08.01.2020
(87) US2014012774
31.07.2014
(22) 23.01.2014
(54) THIADIAZOLE ANALOGS AND THEIR USE FOR TREATING DISEASES ASSOCIATED WITH A DEFICIENCY OF SMN MOTOR NEURONS
(73) Novartis AG
(72) AXFORD, Jake
DALES, Natalie
SUNG, Moo Je
(31) 201361755680 P
(32) 23.01.2013
(33) United States of America

(51) A61K 31/437
A61P 25/24
C07D 471/04
(11) EP3319963
(21) EP16741469.7
(47) 08.01.2020
(87) US2016041339
12.01.2017
(22) 07.07.2016
(54) SUBSTITUTED 4-AZAINDOLES AND THEIR USE AS GLUN2B RECEPTOR MODULATORS
(73) Janssen Pharmaceutica NV
(72) CHROVIAN, Christa C.
LETAVIC, Michael A.
RECH, Jason C.
SOYODE-JOHNSON, Akinola
WALL, Jessica L.
(31) 201562190416 P
(32) 09.07.2015
(33) United States of America

(51) A61K 31/439
A61P 31/00
A61P 35/00
C07D 491/08
(11) EP3033346
(21) EP14758223.3
(47) 08.01.2020
(87) US2014051127
19.02.2015
(22) 14.08.2014
(54) DERIVATIVES OF UNCIALAMYCIN, METHODS OF SYNTHESIS AND THEIR USE AS ANTITUMOR AGENTS
(73) William Marsh Rice University
Bristol-Myers Squibb Company
The Scripps Research Institute
(72) NICOLAOU, Kyriacos, C.
LU, Min
MANDAL, Debashis
GANGWAR, Sanjeev
CHOWDARI, Naidu, S.
POUDEL, Yam, B.
(31) 201361865896 P
201361868783 P
201461937003 P
(32) 14.08.2013
22.08.2013
07.02.2014
(33) United States of America
United States of America
United States of America

(51) A61K 31/44
A61K 31/47
A61P 35/00
C07C 235/26
(11) EP2874994
(21) EP13819542.5
(47) 08.01.2020
(87) US2013051247
23.01.2014
(22) 19.07.2013
(54) 3,5,N-TRIHYDROXY-ALKANAMIDE AND DERIVATIVES: METHOD FOR MAKING SAME AND USE THEREOF
(73) Academia Sinica
National Taiwan University
(72) CHEN, Ching-Chow
CHEN, Jhih-Bin
WEI, Tzu-Tang
LIN, Jung-Hsin
FANG, Jim-Min
CHERN, Ting-Rong
(31) 201261674290 P
(32) 20.07.2012
(33) United States of America

(51) A61K 31/4418
A61K 31/5585
A61P 11/00
C07D 213/75
C07D 405/12
C07D 405/14
(11) EP3208272
(21) EP16205718.6
(47) 08.01.2020
(22) 08.11.2006
(54) HETEROCYCLIC MODULATORS OF ATP-BINDING CASSETTE TRANSPORTERS
(73) Vertex Pharmaceuticals Incorporated
(72) Hadida Ruah, Sarah
Hamilton, Matthew
Miller, Mark
Grootenhuis, Peter D. J.
Bear, Brian
McCarthy, Jason
Zhou, Jinglan
(31) 734506 P
754086 P
802458 P
(32) 08.11.2005
27.12.2005
22.05.2006
(33) United States of America
United States of America
United States of America

(51) A61K 31/4439
C07D 401/06
(11) EP2900240
(21) EP13840379.5
(47) 08.01.2020
(87) US2013060787
03.04.2014
(22) 20.09.2013
(54) CRYSTALLINE FORM OF A REVERSE TRANSCRIPTASE INHIBITOR
(73) Merck Sharp & Dohme Corp.
(72) MAGUIRE, Courtney, K.
(31) 201261705780 P
(32) 26.09.2012
(33) United States of America

(51) A61K 31/445
A61K 31/519
A61K 31/53
A61P 29/00
C07D 487/04
(11) EP3268006

(21) EP16762278.6
(47) 08.01.2020
(87) US2016021124
15.09.2016
(22) 07.03.2016
(54) PYRROLOTRIAZINE INHIBITORS OF IRAK4 ACTIVITY
(73) Merck Sharp & Dohme Corp.
(72) LIM, Jongwon
ALTMAN, Michael D.
BRUBAKER, Jason D.
GIBEAU, Craig R.
(31) 201562132202 P
(32) 12.03.2015
(33) United States of America

(51) A61K 31/497
A61P 37/00
(11) EP2954899
(21) EP15164257.6
(47) 08.01.2020
(22) 05.11.2010
(54) COMPOSITIONS AND METHODS FOR TREATING COLITIS
(73) Aerpio Therapeutics, Inc.
(72) Gardner, Joseph, H.
Shalwitz, Robert
(31) 258918 P
258914 P
(32) 06.11.2009
06.11.2009
(33) United States of America
United States of America

(51) A61K 31/4985
A61P 35/00
C07D 403/04
C07D 487/04
(11) EP3374359
(21) EP16791420.9
(47) 08.01.2020
(87) EP2016076932
18.05.2017
(22) 08.11.2016
(54) DIHYDROIMIDAZOPYRAZINONE DERIVATIVES USEFUL IN THE TREATMENT OF CANCER
(73) AstraZeneca AB
(72) WARD, Richard, Andrew
JONES, Clifford, David
SWALLOW, Steven
GRAHAM, Mark, Andrew
DOBSON, Andrew, Hornby
MCCABE, James, Francis
(31) 201562252726 P
201662401351 P
(32) 09.11.2015
29.09.2016
(33) United States of America
United States of America

(51) A61K 31/506
C07D 487/10
(11) EP3106464
(21) EP16177700.8
(47) 08.01.2020
(22) 22.05.2013
(54) NOVEL COMPOUNDS
(73) Convergence Pharmaceuticals Limited
(72) GIBLIN, Gerard M P
MACPHERSON, David T
WITTY, David R
STANWAY, Steven J
(31) 201209015
201261650325 P
201361773710 P
(32) 22.05.2012
22.05.2012
06.03.2013
(33) United Kingdom
United States of America
United States of America

(51) A61K 31/51
A61K 31/7088
A61K 38/00
A61K 38/16
A61K 38/17
A61P 35/00
(11) EP3054959
(21) EP14851638.8
(47) 08.01.2020
(87) US2014059699
16.04.2015
(22) 08.10.2014
(54) METHODS FOR TREATING FIBROTIC CANCERS
(73) Promedior Inc.
(72) BRUHN, Suzanne
TREHU, Elizabeth
LUPHER, Mark
(31) 201361888269 P
201461992807 P
201462004828 P
201462004836 P
(32) 08.10.2013
13.05.2014
29.05.2014
29.05.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) A61K 31/513
A61P 1/04
A61P 3/10
A61P 9/00
A61P 9/10
A61P 11/06
A61P 17/06
A61P 19/02
A61P 25/00
A61P 29/00
A61P 35/00
A61P 37/00
A61P 43/00
C07D 239/54
C07D 401/14
C07D 403/12
C07D 403/14
C07D 405/12
C07D 405/14
C07D 471/04
C07D 487/04
(11) EP3064491
(21) EP14857899.0
(47) 08.01.2020
(87) JP2014078644
07.05.2015
(22) 28.10.2014
(54) SULFONAMIDE DERIVATIVE AND MEDICINAL USE THEREOF
(73) EA Pharma Co., Ltd.
(72) UENO Hirokazu
YAMAMOTO Takashi
MIYAZAWA Tomoko
SHINKAI Kenji
ARISAKA Harumi
TAKANOHASHI Toshiyuki
(31) 2013224694
(32) 29.10.2013
(33) Japan

(51) A61K 31/517
A61P 35/00
C07D 487/04
(11) EP3294742
(21) EP16722644.8
(47) 08.01.2020
(87) EP2016060481
17.11.2016
(22) 10.05.2016
(54) NEW (5,8-DIMETHYL-9-PHENYL-5,8-DIHYDRO-6H-PYRAZOLO[3,4-H)QUINAZOLIN-2-YL)-(1H-PYRAZOL-5-YL)-AMINES AND THERI DERIVATIVES AS IGF-1R/1R INHIBITORS.
(73) Boehringer Ingelheim International GmbH
(72) TREU, Matthias
ZAHN, Stephan, Karl
(31) 15167553
(32) 13.05.2015
(33) European Patent Office (EPO)

(51) A61K 31/517
C07D 239/94
C07D 401/12
(11) EP2763981
(21) EP12838558.0
(47) 08.01.2020
(87) KR2012008077
11.04.2013
(22) 05.10.2012
(54) METHOD FOR PREPARING 1-(4-(4-(3,4-DICHLORO-2-FLUOROPHENYLAMINO)-7-METHOXYQUINAZOLIN-6-YLOXY)PIPERIDIN-1-YL)-PROP-2-EN-1-ONE HYDROCHLORIDE AND INTERMEDIATES USED THEREIN
(73) Hanmi Science Co., Ltd.
(72) BANG, Keuk Chan
MOON, Young Ho
CHANG, Young Kil
(31) 20110101422
(32) 05.10.2011
(33) Korea (Republic)

(51) A61K 31/519
A61K 31/5377
C07D 453/02
C07D 471/22
C07D 487/04
C07D 498/22
C07D 519/00
(11) EP3299372
(21) EP17199899.0
(47) 08.01.2020
(22) 09.07.2010
(54) INTERMEDIATE COMPOUNDS FOR THE PREPARATION OF SUBSTITUTED

PYRAZOLO[1,5-A]PYRIMIDINE COMPOUNDS AS TRK KINASE INHIBITORS
(73) Array Biopharma, Inc.
(72) ALLEN, Shelley
ANDREWS, Stephen, S.
CONDROSKI, Kevin Ronald
HAAS, Julia
HUANG, Lily
JIANG, Yutong
KERCHER, Timothy
SEO, Jeongbeob
(31) 224196 P
346767 P
(32) 09.07.2009
20.05.2010
(33) United States of America
United States of America

(51) A61K 31/519
A61P 3/10
A61P 17/00
A61P 17/06
A61P 19/02
A61P 31/12
A61P 35/00
C07D 487/04
(11) EP3196199
(21) EP15835571.9
(47) 08.01.2020
(87) KR2015008880
03.03.2016
(22) 25.08.2015
(54) SUBSTITUTED N-(PYRROLIDINE-3-YL)-7H-PYRROLO[2,3-D]PYRIMIDINE-4-AMINE AS JANUS KINASE INHIBITOR
(73) Yang Ji Chemical Co., Ltd.
Han Wha Pharma Co., Ltd.
(72) KIM, Jong Hoon
CHOUGH, Chi Yeon
JEONG, Hyun Uk
LEE, Sun Min
JOUNG, Mi Suk
KIM, Sung Jun
KIM, Tae Wook
LEE, Sung Il
YI, Eun Jung
KIM, Kyeoung Ah
LEE, Jae Min
YU, Se Mi
JO, Young Soo
MOON, Hong Sik
KIM, Kyoung Rak
(31) 20140114516
(32) 29.08.2014
(33) Korea (Republic)

(51) A61K 31/519
A61P 25/28
A61P 31/12
A61P 35/00
C07D 487/04
(11) EP3298015
(21) EP16717993.6
(47) 08.01.2020
(87) GB2016051057
24.11.2016
(22) 15.04.2016
(54) PYRAZOLOPYRIMIDINE DERIVATIVES
(73) The University Court of the University of Edinburgh
(72) UNCITI-BROCETA, Asier
FRASER, Craig
O. CARRAGHER, Neil
(31) 201508747
(32) 21.05.2015
(33) United Kingdom

(51) A61K 31/519
A61P 35/00
C07D 487/04
(11) EP3218378
(21) EP15793834.1
(47) 08.01.2020
(87) EP2015076411
19.05.2016
(22) 12.11.2015
(54) 6-AMINO-7-BICYCLO-7-DEAZA-PURINE DERIVATIVES AS PROTEIN KINASE INHIBITORS
(73) Nerviano Medical Sciences S.r.l.
(72) BUFFA, Laura
MENICHINCHERI, Maria
MOTTO, Ilaria
QUARTIERI, Francesca
(31) 14193197
(32) 14.11.2014
(33) European Patent Office (EPO)

(51) A61K 31/519
A61P 35/00
C07D 487/04
(11) EP3269370
(21) EP17756554.6
(47) 08.01.2020
(87) JP2017006672
31.08.2017
(22) 22.02.2017
(54) NOVEL CONDENSED PYRIMIDINE COMPOUND OR SALT THEREOF
(73) Taiho Pharmaceutical Co., Ltd.
(72) MIYAZAKI, Isao
SHIMAMURA, Tadashi
KATO, Masanori
FUJITA, Hidenori
IGUCHI, Satoru
(31) 2016031919
2016140801
(32) 23.02.2016
15.07.2016
(33) Japan
Japan

(51) A61K 31/5386
A61P 29/00
C07D 498/10
C07D 519/00
(11) EP3149007
(21) EP15726000.1
(47) 08.01.2020
(87) EP2015001113
10.12.2015
(22) 02.06.2015
(54) ALKYL AND ARYL DERIVATIVES OF 1-OXA-4,9-DIAZASPIRO UNDECANE COMPOUNDS HAVING MULTIMODAL ACTIVITY AGAINST PAIN
(73) ESTEVE PHARMACEUTICALS, S.A.
(72) VIRGILI-BERNADO, Marina
ALONSO-XALMA, Monica
ALEGRET-MOLINA, Carlos
ALMANSA-ROSALES, Carmen
GARCIA LOPEZ, Monica
(31) 14382207
(32) 02.06.2014
(33) European Patent Office (EPO)

(51) A61K 31/5415
A61P 1/16
(11) EP3285774
(21) EP16717911.8
(47) 08.01.2020
(87) EP2016058760
27.10.2016
(22) 20.04.2016
(54) USE OF (4-HYDROXY-2-METHYL-1,1-DIOXIDO-2H-BENZO[E][1,2]THIAZINE-3-YL)(NAPHTHALENE-2-YL) METHANONE IN THE PREVENTION AND/OR TREATMENT OF NON-ALCOHOLIC STEATOHEPATITIS
(73) Pierre Fabre Médicament
(72) LAMOTHE, Marie
JUNQUERO, Didier
LE GRAND, Bruno
(31) 1553574
(32) 21.04.2015
(33) France

(51) A61K 31/551
A61K 45/06
A61K 48/00
A61P 9/00
A61P 9/10
A61P 9/12
C07D 401/14
C07D 487/04
C12N 15/113
A61K 35/34
(11) EP2914298
(21) EP13850316.4
(47) 08.01.2020
(87) US2013068352
08.05.2014
(22) 04.11.2013
(54) INHIBITION OF HISTONE METHYLTRANSFERASE FOR CARDIAC REPROGRAMMING
(73) Duke University
(72) DZAU, Victor, J.
MIROTSOU, Maria
(31) 201261721800 P
(32) 02.11.2012
(33) United States of America

(51) A61K 31/5517
A61P 25/02
A61P 25/20
B01J 31/02
C07B 61/00
C07D 401/04
C07D 487/04
(11) EP2966069
(21) EP14759551.6
(47) 08.01.2020
(87) JP2014055329
12.09.2014
(22) 03.03.2014
(54) PREPARATION OF 3-[(S)-7-BROMO-2-(2-HYDROXY-PROPYLAMINO)-5-PYRIDIN-2-

YL-3H-1,4-BENZODIAZEPIN-3-YL]PROPIONIC ACID METHYL ESTER WITH A WORK-UP METHOD WITHOUT AMMONIUM CONTAINING SOLUTIONS
(73) Paion UK Limited
(72) KAWAKAMI, Yuji
MURASE, Tatsushi
TANAKA, Daisuke
YOSHIYAMA, Hideyuki
KUWABE, Shinitsu
(31) 2013041492
(32) 04.03.2013
(33) Japan

(51) A61K 31/565
A61P 5/32
C07J 1/00
C07J 41/00
C07J 43/00
(11) EP3224230
(21) EP15862905.5
(47) 08.01.2020
(87) US2015062008
02.06.2016
(22) 20.11.2015
(54) ESTROGEN RECEPTOR MODULATORS
(73) The Regents of the University of California
(72) PIETRAS, Richard, J.
JUNG, Michael,E.
MARQUEZ-GARBAN, Diana C.
DENG, Gang
(31) 201462084884 P
(32) 26.11.2014
(33) United States of America

(51) A61K 31/575
A61P 3/06
C07J 9/00
(11) EP3150620
(21) EP16181337.3
(47) 08.01.2020
(22) 19.11.2009
(54) TGR5 MODULATORS AND METHODS OF USE THEREOF
(73) Intercept Pharmaceuticals, Inc.
(72) PELLICCIARI, Roberto
(31) 08169460
(32) 19.11.2008
(33) European Patent Office (EPO)

(51) A61K 31/593
A61K 51/04
C07B 59/00
C07C 49/443
C07C 49/633
C07C 67/313
C07C 401/00
C07F 7/18
(11) EP2933246
(21) EP13862184.2
(47) 08.01.2020
(87) ES2013070859
19.06.2014
(22) 09.12.2013
(54) VERSATILE AND FUNCTIONALISED INTERMEDIATES FOR THE SYNTHESIS OF VITAMIN D AND NOVEL VITAMIN D DERIVATIVES
(73) Endotherm GmbH
(72) LÓPEZ PÉREZ, Borja
SIGÜEIRO PONTE, Rita
MAESTRO SAAVEDRA, Miguel A.
MOURIÑO MOSQUERA, Antonio
(31) 201231923
(32) 11.12.2012
(33) Spain

(51) A61K 31/70
A61K 31/7064
A61P 35/00
(11) EP3068406
(21) EP14862419.0
(47) 08.01.2020
(87) KR2014010972
21.05.2015
(22) 14.11.2014
(54) MUTUAL PRODRUG COMPRISING SHORT CHAIN FATTY ACIDS AND ZEBULARINE OR 1'-CYANO-CYTARABINE FOR CANCER TREATMENT
(73) Kainos Medicine, Inc.
(72) SHIN, Sunmi
KIM, Hyangmi
OH, Su-Sung
(31) 201361904064 P
(32) 14.11.2013
(33) United States of America

(51) A61K 31/702
C07H 3/06
G01N 33/66
G01N 21/35
(11) EP3446099
(21) EP17716555.2
(47) 08.01.2020
(87) EP2017059050
26.10.2017
(22) 14.04.2017
(54) METHOD FOR SEQUENCING OLIGOSACCHARIDES
(73) Centre National de la Recherche Scientifique
Université Claude Bernard Lyon 1
(72) COMPAGNON, Isabelle
SCHINDLER, Baptiste
(31) 1653425
(32) 18.04.2016
(33) France

(51) A61K 31/704
C12P 19/56
(11) EP3086794
(21) EP14723881.0
(47) 08.01.2020
(87) IB2014060093
02.07.2015
(22) 28.03.2014
(54) PROCESS FOR THE CONVERSION OF COLCHICINOIDS TO THEIR 3-GLYCOSYLATED DERIVATIVES VIA THEIR RESPECTIVE 3-DEMETHYL ANALOGUES
(73) Alkaloids Corporation
(72) KRISHNAMURTHI, Prabakaran
KARNANI, Manish Kumar
(31) 6035CH2013
(32) 23.12.2013
(33) India

(51) A61K 31/7088
A61K 39/395
A61P 31/12
A61P 35/00
A61P 37/00
(11) EP2906241
(21) EP13845573.8
(47) 08.01.2020
(87) US2013064506
17.04.2014
(22) 11.10.2013
(54) ENHANCEMENT OF THE IMMUNE RESPONSE
(73) The Brigham and Women's Hospital, Inc.
(72) BLUMBERG, Richard S.
HUANG, Yu-Hwa
(31) 201261713203 P
(32) 12.10.2012
(33) United States of America

(51) A61K 31/712
A61P 25/28
C12N 15/113
(11) EP3253875
(21) EP16706943.4
(47) 08.01.2020
(87) US2016016646
11.08.2016
(22) 04.02.2016
(54) TAU ANTISENSE OLIGOMERS AND USES THEREOF
(73) F. Hoffmann-La Roche AG
(72) OLSON, Richard E.
CACACE, Angela M.
HAGEDORN, Peter
HØG, Anja Mølhart
JENSEN, Marianne Lerbech
NIELSEN, Niels Fisker
LI, Dong
BROWN, Jeffrey M.
MERCER, Stephen E.
(31) 201562112058 P
201562156684 P
201562237922 P
201562238941 P
201662279612 P
201662279614 P
201662279610 P
(32) 04.02.2015
04.05.2015
06.10.2015
08.10.2015
15.01.2016
15.01.2016
15.01.2016
(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
United States of America

(51) A61K 35/00
A61L 15/40
A61L 26/00
(11) EP3325025
(21) EP16753883.4
(47) 08.01.2020
(87) EP2016069189
02.03.2017
(22) 11.08.2016

(54) COMPOSITION AND PRODUCTS COMPRISING SENESCENT CELLS FOR USE IN TISSUE REGENERATION
(73) QRSKIN GmbH
(72) FUNK, Martin
(31) 15182070
(32) 21.08.2015
(33) European Patent Office (EPO)

(51) A61K 36/185
A61K 36/45
A61K 36/73
A61K 36/736
A61K 36/752
A61K 36/81
A61K 36/88
A61P 39/06
(11) EP2968429
(21) EP14709303.3
(47) 08.01.2020
(87) EP2014054758
18.09.2014
(22) 12.03.2014
(54) BIOACTIVE COMPOSITIONS FROM FRUIT AND METHODS FOR THEIR PRODUCTION
(73) ISP Investments LLC
(72) KOGANOV, Michael
DUEVA-KOGANOV, Olga, V.
DUEV, Artyom
MICCERI, Steven
(31) 201361792709 P
(32) 15.03.2013
(33) United States of America

(51) A61K 36/28
A61K 36/287
A61K 36/45
A61K 36/63
A61K 36/815
A61P 3/04
A61P 3/06
A61P 3/10
A61P 25/28
(11) EP3364991
(21) EP16794948.6
(47) 08.01.2020
(87) EP2016075257
27.04.2017
(22) 20.10.2016
(54) COMPOSITION COMPRISING A MIXTURE OF MOLECULES EXTRACTED FROM CHRYSANTHELLUM INDICUM, CYNARA SCOLYMUS AND LYCIUM BARBARUM AND USE TO ACT ON CARBOHYDRATE AND/OR FAT METABOLISM
(73) Valbiotis
Université Clermont Auvergne
(72) PELTIER, Sébastien
CHAVANELLE, Vivien
SIRVENT, Pascal
(31) 1559965
(32) 20.10.2015
(33) France

(51) A61K 36/734
A61K 35/63
A61K 35/64
A23L 21/20
A23L 33/105
(11) EP2508084
(21) EP10839868.6
(47) 08.01.2020
(87) RU2010000704
30.06.2011
(22) 25.11.2010
(54) BIOLOGICALLY ACTIVE FOOD ADDITIVE FOR TREATMENT OF MYOCARDIAL ISCHEMIA
(73) Obshestvo S Ogranichennoj Otvetstvennostju "PARAFARM"
(72) ELISTRATOV, Dmitriy Gennadjevich
(31) 2009144334
(32) 30.11.2009
(33) Russian Federation

(51) A61K 38/00
A61K 38/17
A61K 38/48
A61P 29/00
A61P 35/00
A61P 37/04
A61P 37/06
(11) EP3148564
(21) EP15802594.0
(47) 08.01.2020
(87) US2015033510
10.12.2015
(22) 01.06.2015
(54) METHODS AND COMPOSITIONS FOR IMMUNOMODULATION
(73) Children's Medical Center Corporation
(72) BRISCOE, David M.
KLAGSBRUN, Michael
BRUNEAU, Sarah
KOCHUPURAKKAL, Nora
NAKAYAMA, Hironao
(31) 201462006441 P
(32) 02.06.2014
(33) United States of America

(51) A61K 38/00
A61K 39/395
A61P 35/00
C07K 1/00
C07K 16/28
C12N 5/16
C12N 5/07
(11) EP3013350
(21) EP14818498.9
(47) 08.01.2020
(87) US2014043466
31.12.2014
(22) 20.06.2014
(54) USE OF SEMAPHORIN-4D INHIBITORY MOLECULES IN COMBINATION WITH AN IMMUNE MODULATING THERAPY TO INHIBIT TUMOR GROWTH AND METASTASES
(73) Vaccinex, Inc.
(72) EVANS, Elizabeth E.
SMITH, Ernest S.
ZAUDERER, Maurice
(31) 201361839170 P
201361874241 P
201361884771 P
201361907845 P
(32) 25.06.2013
05.09.2013
30.09.2013
22.11.2013
(33) United States of America
United States of America
United States of America
United States of America

(51) A61K 38/00
A61P 29/00
A61P 43/00
C07K 7/06
C07K 16/28
G01N 33/15
G01N 33/50
C12N 15/113
(11) EP2610619
(21) EP11819989.2
(47) 08.01.2020
(87) JP2011069178
01.03.2012
(22) 25.08.2011
(54) HEMOKININ-1 RECEPTOR AND HEMOKININ-1-DERIVED PEPTIDE
(73) University of Miyazaki
(72) NISHIMORI, Toshikazu
NAKAYAMA, Rumi
(31) 201161471338 P
2010191039
(32) 04.04.2011
27.08.2010
(33) United States of America
Japan

(51) A61K 38/00
C07K 7/64
A61K 47/50
A61K 47/68
(11) EP3555117
(21) EP18740103.9
(47) 08.01.2020
(87) EP2018062129
15.11.2018
(22) 09.05.2018
(54) MODIFIED MICROCYSTINS
(73) Cyano Biotech GmbH
(72) ENKE, Heike
LORENZEN, Wolfram
JAHNS, Stefan
ENKE, Dan
NIEDERMEYER, Timo
MOSCHNY, Julia
(31) 17170283
(32) 09.05.2017
(33) European Patent Office (EPO)

(51) A61K 38/00
C07K 14/62
C12N 15/63
C12N 15/85
C12N 15/86
A61K 35/407
(11) EP3293197
(21) EP17198106.1
(47) 08.01.2020
(22) 06.06.2012
(54) HEPATOCYTE BASED INSULIN GENE THERAPY FOR DIABETES
(73) Wisconsin Alumini Research Foundation
(72) ALAM, Tausif
SOLLINGER, Hans
(31) 201161494134 P

(32) 07.06.2011
(33) United States of America

(51) A61K 38/04
A61P 37/00
C07K 7/00
(11) EP2920201
(21) EP13854990.2
(47) 08.01.2020
(87) US2013070417
22.05.2014
(22) 15.11.2013
(54) LONG-ACTING COMPSTATIN ANALOGS AND RELATED COMPOSITIONS AND METHODS
(73) Apellis Pharmaceuticals, Inc.
(72) FRANCOIS, Cedric
DESCHATELETS, Pascal
(31) 201261727094 P
(32) 15.11.2012
(33) United States of America

(51) A61K 38/10
A61K 39/00
A61K 39/395
C07K 7/08
C07K 14/705
C07K 16/28
C07K 16/30
(11) EP2879709
(21) EP13826181.3
(47) 08.01.2020
(87) US2013052612
06.02.2014
(22) 30.07.2013
(54) MODULATION OF THE IMMUNE RESPONSE
(73) The Brigham and Women's Hospital, Inc.
(72) BLUMBERG, Richard S.
KUCHROO, Vijay K.
HUANG, Yu-Hwa
ZHU, Chen
ANDERSON, Ana C.
(31) 201261677596 P
(32) 31.07.2012
(33) United States of America

(51) A61K 38/17
A61K 39/00
A61P 9/12
A61P 11/00
C07K 14/71
C12N 15/62
(11) EP3071215
(21) EP14864524.5
(47) 08.01.2020
(87) US2014066776
28.05.2015
(22) 21.11.2014
(54) COMPOSITIONS AND METHODS FOR TREATING PULMONARY HYPERTENSION
(73) The Brigham and Women's Hospital, Inc.
Acceleron Pharma Inc.
(72) YU, Paul
GRINBERG, Asya
SAKO, Dianne S.
CASTONGUAY, Roselyne
STEEVES, Rita
KUMAR, Ravindra
(31) 201361907260 P
(32) 21.11.2013
(33) United States of America

(51) A61K 38/17
A61P 27/02
A61K 47/10
A61K 47/60
(11) EP3065761
(21) EP14802544.8
(47) 08.01.2020
(87) US2014063951
14.05.2015
(22) 04.11.2014
(54) METHOD OF TREATING CONDITIONS OF THE EYE WITH AN ANTI-VEGF DARPIN
(73) ALLERGAN, INC.
(72) HOHMAN, Thomas
CHEETHAM, Janet
WHITCUP, Scott
LIPPA, Erik
(31) 201361900246 P
201462016620 P
(32) 05.11.2013
24.06.2014
(33) United States of America
United States of America

(51) A61K 38/19
A61P 19/02
A61P 37/02
G01N 33/68
A61K 47/42
(11) EP3302527
(21) EP16804201.8
(47) 08.01.2020
(87) US2016034956
08.12.2016
(22) 31.05.2016
(54) AN ENGINEERED CCL20 LOCKED DIMER POLYPEPTIDE
(73) The Medical College of Wisconsin, Inc.
(72) VOLKMAN, Brian, F.
GETSCHMAN, Anthony, E.
HWANG, Sam, T.
IMAI, Yasutomo
PETERSON, Francis, C.
(31) 201562170347 P
(32) 03.06.2015
(33) United States of America

(51) A61K 38/20
A61K 39/00
A61K 39/39
A61K 48/00
A61K 35/74
(11) EP3097924
(21) EP16178877.3
(47) 08.01.2020
(22) 29.11.2006
(54) INDUCTION OF MUCOSAL TOLERANCE TO GLIADIN
(73) Intrexon Actobiotics NV
(72) ROTTIERS, Pieter
SNOECK, Veerle
(31) 05111467
(32) 29.11.2005
(33) European Patent Office (EPO)

(51) A61K 38/20
A61K 48/00
A61P 35/00
A61K 35/17
(11) EP3184117
(21) EP16194041.6
(47) 08.01.2020
(22) 22.03.2012
(54) COMPOSITIONS AND THEIR USE IN THE TREATMENT OF CANCER
(73) THE BRIGHAM AND WOMEN'S HOSPITAL, INC.
(72) KUPPER, Thomas
PURWAR, Rahul
(31) 201161466182 P
(32) 22.03.2011
(33) United States of America

(51) A61K 38/22
A61K 38/26
A61K 38/28
A61P 25/24
A61P 25/28
A61P 43/00
C07K 14/605
C07K 19/00
(11) EP3190129
(21) EP15837573.3
(47) 08.01.2020
(87) JP2015074962
10.03.2016
(22) 02.09.2015
(54) CENTRALLY-ACTING PEPTIDE DERIVATIVE, AND PHARMACEUTICAL COMPOSITION
(73) Tokyo University of Science Foundation
(72) YAMASHITA, Chikamasa
OKA, Jun-Ichiro
HORIGUCHI, Michiko
SASAKI-HAMADA, Sachie
(31) 2014177974
2014184436
(32) 02.09.2014
10.09.2014
(33) Japan
Japan

(51) A61K 38/37
A61P 7/00
(11) EP3297656
(21) EP16723776.7
(47) 08.01.2020
(87) EP2016061443
01.12.2016
(22) 20.05.2016
(54) TRUNCATED VON WILLEBRAND FACTOR POLYPEPTIDES FOR TREATING HEMOPHILIA
(73) CSL Behring Lengnau AG
(72) SCHULTE, Stefan
METZNER, Hubert
PESTEL, Sabine
WEIMER, Thomas
(31) 15168930
16163239
(32) 22.05.2015
31.03.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A61K 39/00
(11) EP3270957
(21) EP16713731.4
(47) 08.01.2020

(87) EP2016000470
22.09.2016
(22) 16.03.2016
(54) A NOVEL COMPLEX COMPRISING A CELL PENETRATING PEPTIDE, A CARGO AND A TLR PEPTIDE AGONIST FOR TREATMENT OF GLIOBLASTOMA
(73) Amal Therapeutics SA
(72) DEROUAZI, Madiha
BELNOUE, Elodie
(31) PCT/EP2015/000580
PCT/EP2015/002244
(32) 16.03.2015
09.11.2015
(33) World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)

(51) A61K 39/00
(11) EP3270955
(21) EP16711529.4
(47) 08.01.2020
(87) EP2016000473
22.09.2016
(22) 16.03.2016
(54) A NOVEL COMPLEX COMPRISING A CELL PENETRATING PEPTIDE, A CARGO AND A TLR PEPTIDE AGONIST FOR TREATMENT OF COLORECTAL CANCER
(73) Amal Therapeutics SA
(72) DEROUAZI, Madiha
BELNOUE, Elodie
(31) PCT/EP2015/000580
PCT/EP2015/002244
(32) 16.03.2015
09.11.2015
(33) World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)

(51) A61K 39/00
A61K 39/002
A61K 39/02
A61K 39/12
A61K 39/275
A61K 48/00
A61P 31/04
A61P 31/12
A61P 33/02
A61P 35/00
A61P 35/02
A61P 37/04
C12N 7/00
C12N 15/09
A61K 35/76
(11) EP3072966
(21) EP14864505.4
(47) 08.01.2020
(87) JP2014081484
28.05.2015
(22) 20.11.2014
(54) MITOGEN-ACTIVATED PROTEIN KINASE-DEPENDENT RECOMBINANT VACCINIA VIRUS (MD-RVV) AND USE THEREOF
(73) National University Corporation Tottori University
KM Biologics Co., Ltd.
(72) NAKAMURA, Takafumi
(31) 2013241299
(32) 21.11.2013
(33) Japan

(51) A61K 39/00
A61K 39/02
A61K 39/12
A61P 31/00
A61P 31/12
A61P 35/00
A61P 37/04
C12N 5/10
C12N 15/00
C12N 15/09
C12Q 1/02
A61K 35/12
A61K 35/14
(11) EP1990410
(21) EP07714709.8
(47) 08.01.2020
(87) JP2007053209
30.08.2007
(22) 21.02.2007
(54) IMMUNOTHERAPY BY USING CELL CAPABLE OF CO-EXPRESSING TARGET ANTIGEN AND CD1d AND PULSED WITH CD1d LIGAND
(73) Riken
(72) FUJII, Shin-ichiro
SHIMIZU, Kanako
(31) 2006045193
(32) 22.02.2006
(33) Japan

(51) A61K 39/00
A61K 39/395
A61P 35/00
C07K 14/71
C07K 16/28
C12N 15/13
(11) EP2785742
(21) EP12846470.8
(47) 08.01.2020
(87) US2012062929
10.05.2013
(22) 01.11.2012
(54) ANTI-KDR ANTIBODIES AND METHODS OF USE
(73) Apexigen, Inc.
(72) KE, Yaohuang
LEE, Sum Wai Pierre
ZHANG, Yongke
YU, Guo-Liang
ZHU, Weimin
(31) 201161554758 P
201261609581 P
(32) 02.11.2011
12.03.2012
(33) United States of America
United States of America

(51) A61K 39/00
A61K 39/40
A61K 45/06
C07K 16/12
C12P 21/08
G01N 33/554
G01N 33/569
(11) EP2917360
(21) EP13852597.7
(47) 08.01.2020
(87) US2013068624
15.05.2014
(22) 06.11.2013
(54) ANTIBODIES TO S. AUREUS SURFACE DETERMINANTS
(73) MedImmune, LLC
(72) SELLMAN, Bret
TKACZYK, Christine
CHOWDHURY, Partha, S.
HUA, Lei
PAVLIK, Peter
BUONPANE, Rebecca
CHANG, Chew-Shun
(31) 201261723137 P
201361782405 P
(32) 06.11.2012
14.03.2013
(33) United States of America
United States of America

(51) A61K 39/00
A61K 39/40
A61P 35/00
C07K 16/00
(11) EP3119432
(21) EP15765633.1
(47) 08.01.2020
(87) US2015021413
24.09.2015
(22) 19.03.2015
(54) ANTIBODIES AGAINST IMMUNOGENIC GLYCOPEPTIDES, COMPOSITION COMPRISING THE SAME AND USE THEREOF
(73) MacKay Medical Foundation the Presbyterian Church in Taiwan MacKay Memorial Hospital
(72) CHANG, Chih-long
WU, Chao-chih
(31) 201461955216 P
(32) 19.03.2014
(33) United States of America

(51) A61K 39/00
A61K 45/06
C07K 14/82
(11) EP3223850
(21) EP15807756.0
(47) 08.01.2020
(87) US2015062269
02.06.2016
(22) 24.11.2015
(54) ANTI-MUTATED KRAS T CELL RECEPTORS
(73) The United States of America, as represented by The Secretary, Department of Health and Human Services
(72) WANG, Qiong J.
YU, Zhiya
YANG, James C.
(31) 201462084654 P
201562171321 P
(32) 26.11.2014
05.06.2015
(33) United States of America
United States of America

(51) A61K 39/00
A61K 48/00
C07K 14/445
C07K 14/46
C07K 14/47
C07K 14/505

C07K 14/52
C07K 14/575
C07K 14/705
C07K 14/745
C07K 14/805
C07K 14/81
C12N 9/02
C12N 9/10
C12N 9/12
C12N 9/44
C12N 9/64
C12N 9/88
C12N 15/11
C12N 15/85
(11) EP3212793
(21) EP15855964.1
(47) 08.01.2020
(87) US2015058534
06.05.2016
(22) 01.11.2015
(54) MESSENGER UNA MOLECULES AND USES THEREOF
(73) Arcturus Therapeutics, Inc.
(72) CHIVUKULA, Padmanabh
WARREN, Luigi
TACHIKAWA, Kiyoshi
PAYNE, Joseph E.
(31) 201462074046 P
(32) 02.11.2014
(33) United States of America

(51) A61K 39/00
A61P 1/04
C07K 16/12
(11) EP3254690
(21) EP16173776.2
(47) 08.01.2020
(22) 09.06.2016
(54) A MONOCLONAL ANTIBODY INHIBITING IMMUNOSUPPRESSIVE FUNCTIONS OF HELICOBACTER PYLORI, ANTIGEN-BINDING FRAGMENT THEREOF, AND HYBRIDOMAS PRODUCING SUCH ANTIBODY
(73) Sagabio Co., Ltd.
(72) LIAO, Kuang-Wen
LIN, Yu-Ling
JIAN, Ting-Yan

(51) A61K 39/00
C07K 14/705
(11) EP2441468
(21) EP11189797.1
(47) 08.01.2020
(22) 21.02.2007
(54) Immunotherapy by using cell capable of co-expressing target antigen and cd1d and pulsed with cd1d ligand
(73) Riken
(72) Fujii, Shin-ichiro
Shimizu, Kanako
(31) 2006045193
(32) 22.02.2006
(33) Japan

(51) A61K 39/00
C07K 16/00
C07K 16/28
C07K 16/30
(11) EP2889377
(21) EP13831250.9
(47) 08.01.2020
(87) JP2013072507
27.02.2014
(22) 23.08.2013
(54) FCYRIIB-SPECIFIC FC REGION VARIANT
(73) Chugai Seiyaku Kabushiki Kaisha
(72) KATADA, Hitoshi
KADONO, Shojiro
MIMOTO, Futa
IGAWA, Tomoyuki
(31) 2012185868
(32) 24.08.2012
(33) Japan

(51) A61K 39/015
(11) EP2916862
(21) EP13795397.2
(47) 08.01.2020
(87) US2013069620
15.05.2014
(22) 12.11.2013
(54) MALARIA ANTIGENS AND METHODS OF USE
(73) GenVec, Inc.
(72) CHEN, Ping
MCVEY, Duncan
BROUGH, Douglas
BRUDER, Joseph
(31) 201261725248 P
(32) 12.11.2012
(33) United States of America

(51) A61K 39/02
(11) EP2884996
(21) EP13750074.0
(47) 08.01.2020
(87) EP2013067132
20.02.2014
(22) 16.08.2013
(54) AN IMMUNOGENIC COMPOSITION OF KILLED LEPTOSPIRA BACTERIA
(73) Intervet International B.V.
(72) KLAASEN, Henricus Leo Bernardus Maria
LOEFFEN, Peter
RIJKE, Eric Onno
(31) 12180792
(32) 17.08.2012
(33) European Patent Office (EPO)

(51) A61K 39/08
A61P 17/00
C07K 7/08
C07K 19/00
C12N 15/70
A61K 47/50
(11) EP3156412
(21) EP15800126.3
(47) 08.01.2020
(87) KR2015005434
03.12.2015
(22) 29.05.2015
(54) NOVEL CELL PENETRATING PEPTIDE, CONJUGATE THEREOF WITH BOTULINUM TOXIN, AND USE THEREOF
(73) Procell Therapeutics Inc.
ATGC Co., Ltd.
(72) LEE, Byung Kyu
LEE, Kang Jin
KIM, MinJoong
PARK, HongGyu
(31) 201462004426 P
(32) 29.05.2014
(33) United States of America

(51) A61K 39/12
A61K 39/145
A61K 39/21
A61K 39/29
C07K 7/08
C07K 14/025
C07K 14/045
C07K 14/11
C07K 14/16
C07K 14/18
(11) EP2646459
(21) EP11844256.5
(47) 08.01.2020
(87) DK2011050460
07.06.2012
(22) 02.12.2011
(54) PEPTIDE SCAFFOLD DESIGN
(73) Bionor Immuno AS
(72) LANGE, Einar Tønnes
GRØNVOLD, Maja Sommerfelt
HOLMBERG, Jens Olof
SØRENSEN, Birger
(31) 10193479
201161475965 P
(32) 02.12.2010
15.04.2011
(33) European Patent Office (EPO)
United States of America

(51) A61K 39/395
A61P 35/00
C07K 16/10
C07K 16/46
C12N 15/62
A61K 47/65
(11) EP3019533
(21) EP14823623.5
(47) 08.01.2020
(87) US2014046419
15.01.2015
(22) 11.07.2014
(54) COILED COIL IMMUNOGLOBULIN FUSION PROTEINS AND COMPOSITIONS THEREOF
(73) The Scripps Research Institute
(72) WANG, Feng
ZHANG, Yong
WANG, Ying
LIU, Yan
SCHULTZ, Peter, G.
(31) 201361845280 P
201361845287 P
201461925904 P
201462017713 P
(32) 11.07.2013
11.07.2013
10.01.2014
26.06.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) A61K 39/395
A61P 35/00

C07K 16/32
(11) EP2810653
(21) EP14175608.0
(47) 08.01.2020
(22) 16.06.2000
(54) Cell growth inhibition
(73) Zensun (Shanghai) Science & Technology, Co., Ltd.
(72) Zhou, Mingdong
(31) PQ105799
(32) 18.06.1999
(33) Australia

(51) A61K 39/395
A61P 35/04
C07K 16/44
G01N 33/574
(11) EP3337829
(21) EP17708098.3
(47) 08.01.2020
(87) US2017018185
24.08.2017
(22) 16.02.2017
(54) METHOD AND COMPOSITION FOR TREATING CANCER, KILLING METASTATIC CANCER CELLS AND PREVENTING CANCER METASTASIS USING ANTIBODY TO ADVANCED GLYCATION END PRODUCTS (AGE)
(73) Siwa Corporation
(72) GRUBER, Lewis, S.
(31) 201662297744 P
201662425495 P
(32) 19.02.2016
22.11.2016
(33) United States of America
United States of America

(51) A61K 48/00
A61P 35/00
C12N 7/00
C12N 15/86
A61K 35/76
(11) EP2920312
(21) EP13854686.6
(47) 08.01.2020
(87) US2013070087
22.05.2014
(22) 14.11.2013
(54) ONCOLYTIC HSV1 VECTORS AND METHODS OF USING THE SAME
(73) The Brigham and Women's Hospital, Inc.
Ohio State Innovation Foundation
(72) NAKASHIMA, Hiroshi
CHIOCCA, Ennio Antonio
(31) 201261726318 P
(32) 14.11.2012
(33) United States of America

(51) A61K 49/00
(11) EP3046589
(21) EP14781359.6
(47) 08.01.2020
(87) US2014056292
26.03.2015
(22) 18.09.2014
(54) IN-VIVO REACTIVE SPECIES IMAGING
(73) Caliper Life Sciences, Inc.
Ray, Sunetra
Ansaldi, Daniel
Singh, Rajendra
(72) RAY, Sunetra
ANSALDI, Daniel
SINGH, Rajendra
(31) 201314030428
(32) 18.09.2013
(33) United States of America

(51) A61L 2/00
B01D 61/02
C07K 1/34
(11) EP2041155
(21) EP07766797.0
(47) 08.01.2020
(87) IL2007000764
03.01.2008
(22) 25.06.2007
(54) VIRUS REMOVAL BY NANOFILTRATION
(73) Omrix Biopharmaceuticals Inc.
(72) NUR, Israel
Mintz, Roni
(31) 816393 P
(32) 26.06.2006
(33) United States of America

(51) A61L 2/08
H05K 7/20
(11) EP3108726
(21) EP15700871.5
(47) 08.01.2020
(87) EP2015051065
27.08.2015
(22) 21.01.2015
(54) POWER SUPPLY UNIT
(73) Tetra Laval Holdings & Finance S.A.
(72) IZRAILIT, Iosif
(31) 1450195
(32) 19.02.2014
(33) Sweden

(51) A61L 2/22
A61M 11/00
A61M 11/04
A62B 7/08
B05B 1/08
B05B 12/08
B05B 17/06
G01F 23/24
G01F 23/26
G08B 21/00
(11) EP2723397
(21) EP12802000.5
(47) 08.01.2020
(87) AU2012000735
27.12.2012
(22) 25.06.2012
(54) METHOD OF MAINTAINING A LIQUID LEVEL IN A NEBULISER CUP
(73) Saban Ventures Pty Limited
(72) HINGLEY, Brian
POTAS, Michael
(31) 2011902486
(32) 24.06.2011
(33) Australia

(51) A61L 15/22
A61L 15/24
A61L 15/60
B29B 9/02
B29B 9/12
B29B 13/06
B29K 33/00
B29K 35/00
C08F 6/00
C08J 3/075
C08J 3/24
C08L 33/02
F26B 3/20
F26B 17/02
(11) EP2615120
(21) EP12150875.8
(47) 08.01.2020
(22) 12.01.2012
(54) Process for the continuous preparation of water-absorbent polymers
(73) Evonik Operations GmbH
(72) Vorholt, Herbert
Rudolph, Henry
Reimann, Armin
Becker, Volker
Jung, Detlef
van Stiphoudt, Manfred

(51) A61L 15/58
A61L 15/62
A61L 24/04
A61L 27/18
A61L 31/06
C08G 63/08
C08L 67/04
C09J 167/00
C09J 7/00
(11) EP2611868
(21) EP11757461.6
(47) 08.01.2020
(87) US2011049735
08.03.2012
(22) 30.08.2011
(54) BIODEGRADABLE TERPOLYMERS AND TERPOLYMER BLENDS AS PRESSURE-SENSITIVE ADHESIVES
(73) Surmodics Pharmaceuticals, Inc.
(72) BOWMAN, Howard
LUCAST, Don
MORRIS, Philip
(31) 380937 P
378235 P
378212 P
378134 P
(32) 08.09.2010
30.08.2010
30.08.2010
30.08.2010
(33) United States of America
United States of America
United States of America
United States of America

(51) A61L 27/04
A61L 27/30
A61L 27/54
A61L 31/02
A61L 31/08
A61L 31/16
(11) EP3366323
(21) EP18275024.0
(47) 18.12.2019
(22) 16.02.2018
(54) REGULATION/MODIFICATION OF STENT CONTACT SURFACE FOR POLYMER FREE DRUG COATING
(73) Cook Medical Technologies LLC

(72) NEILAN, John
MURRAY, David
BUTLER, James
(31) 201702927
201762462600 P
(32) 23.02.2017
23.02.2017
(33) United Kingdom
United States of America

(51) A61L 27/06
A61L 27/30
A61L 27/56
A61L 27/58
(11) EP3524280
(21) EP18156257.0
(47) 08.01.2020
(22) 12.02.2018
(54) METHOD FOR PRODUCING A METALLIC IMPLANT
(73) Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH
Element 22 GmbH
(72) Haramus, Vasyl
Ebel, Thomas
Ramakrishnegowda, Niranjan
Bußacker, Sascha
Schaper, Johannes Geronimo

(51) A61L 27/36
A61L 27/38
C12M 1/00
C12M 1/12
C12M 1/36
C12M 3/00
C12N 5/071
(11) EP3359641
(21) EP16787965.9
(47) 08.01.2020
(87) US2016056138
13.04.2017
(22) 07.10.2016
(54) FLUID PUMPING AND BIOREACTOR SYSTEM
(73) DEKA Products Limited Partnership
(72) KAMEN, Dean
DEMERS, Jason, A.
MORGAN, Frederick
MOREAU, Timothy, D.
TRACEY, Brian, D.
WARE, Matthew
VAN DER MERWE, Dirk, A.
LANIGAN, Richard, J.
BAKER, Michael, A.
BLUMBERG, David Jr.
(31) 201562239793 P
201562246191 P
201562266548 P
(32) 09.10.2015
26.10.2015
11.12.2015
(33) United States of America
United States of America
United States of America

(51) A61L 27/38
A61L 27/56
A61L 27/58
(11) EP2776082
(21) EP12791370.5
(47) 08.01.2020
(87) US2012064103
16.05.2013
(22) 08.11.2012
(54) METHOD FOR ELIMINATION OF SPACE THROUGH TISSUE APPROXIMATION
(73) LifeCell Corporation
(72) OWENS, Rick
XU, Hui
SUN, Wenquan
(31) 201161558083 P
(32) 10.11.2011
(33) United States of America

(51) A61L 29/16
A61M 25/00
A61F 2/82
A61M 25/10
(11) EP2501431
(21) EP10787054.5
(47) 08.01.2020
(87) EP2010067838
26.05.2011
(22) 19.11.2010
(54) NARROW PROFILE COMPOSITION-RELEASING EXPANDABLE MEDICAL BALLOON CATHETER
(73) Wellinq Medical B.V.
(72) HORVERS, Ronald, Adrianus, Maria
(31) 09176447
262712 P
(32) 19.11.2009
19.11.2009
(33) European Patent Office (EPO)
United States of America

(51) A61L 31/02
A61L 31/04
A61B 34/20
A61B 90/00
(11) EP3113709
(21) EP14888207.9
(47) 08.01.2020
(87) IB2014060490
08.10.2015
(22) 07.04.2014
(54) MEDICAL DEVICE FOR SURGICAL NAVIGATION SYSTEM
(73) IZI Medical Products, LLC
(72) HULDIN, Nelson L.
GROENKE, Greg
ROSSNER, Holger-Claus
(31) 201414245141
(32) 04.04.2014
(33) United States of America

(51) A61L 31/04
A61L 31/14
(11) EP2522376
(21) EP12175759.5
(47) 08.01.2020
(22) 16.10.2009
(54) Method for preparing auto-sealant matrix for tissue repair
(73) SOFRADIM PRODUCTION
(72) Ladet, Sébastien
(31) 196544 P
(32) 17.10.2008
(33) United States of America

(51) A61L 31/06
A61L 31/18
(11) EP2906254
(21) EP13846860.8
(47) 08.01.2020
(87) US2013065078
24.04.2014
(22) 15.10.2013
(54) POLYMERIC TREATMENT COMPOSITIONS
(73) Microvention, Inc.
(72) CRUISE, Gregory, M.
CONSTANT, Michael, J.
KEELEY, Edward, Michael
GREENE, Rob
HARRIS, Clayton
(31) 201261714102 P
(32) 15.10.2012
(33) United States of America

(51) A61L 31/10
(11) EP3377129
(21) EP16805658.8
(47) 08.01.2020
(87) US2016062414
26.05.2017
(22) 17.11.2016
(54) HYDROGEL COATED MESH
(73) LifeCell Corporation
(72) POMERLEAU, Ming F.
OWENS, Rick, T.
(31) 201562256853 P
(32) 18.11.2015
(33) United States of America

(51) A61M 1/02
A61M 1/36
A61M 1/38
(11) EP3254713
(21) EP17174699.3
(47) 08.01.2020
(22) 07.06.2017
(54) SYSTEMS FOR THERAPEUTIC PLATELET DEPLETION
(73) Fenwal, Inc.
(72) RADWANSKI, Katherine N.
MIN, Kyungyoon
ALI, Zahra R.
(31) 201662347125 P
(32) 08.06.2016
(33) United States of America

(51) A61M 1/10
A61M 1/12
(11) EP3037118
(21) EP16156265.7
(47) 08.01.2020
(22) 08.11.2010
(54) BLOOD PUMP
(73) Berlin Heart GmbH
(72) PETERS, Hans-Erhard
MÜLLER, Jörg
GRAICHEN, Kurt
NÜSSER, Peter
GÖLLNER, Manfred
ARNDT, Andreas
(31) 09075495
258932 P
(32) 06.11.2009
06.11.2009
(33) European Patent Office (EPO)
United States of America

(51) A61M 1/14
A61M 1/16

A61M 1/28
A61M 1/34
A61M 1/36
G06Q 30/06
G06F 8/65
G06Q 50/22
G16H 10/60
G16H 20/10
G16H 20/17
G16H 20/40
G16H 40/40
G16H 40/63
G16H 40/67
(11) EP2850549
(21) EP13727442.9
(47) 08.01.2020
(87) US2013040967
21.11.2013
(22) 14.05.2013
(54) HOME MEDICAL DEVICE SYSTEMS AND METHODS FOR THERAPY PRESCRIPTION AND TRACKING, SERVICING AND INVENTORY
(73) Baxter International Inc
Baxter Healthcare SA
(72) MILLER, Joshua James
WIEBENSON, Derek
WILKERSON, Douglas L.
TIWARI, Neil
ROBINSON, Timothy G.
MINKUS, Marc Steven
MULLER, Matthew R.
WELLINGS, Anders J.
HANSBRO, Kathryn Louise
CIZMAN, Borut
KUNZEMAN, Brian S.
COOPER, Robin D.
KUDELKA, Timothy L.
SARTO, Angelo A.
LINDO, Steve Joseph
BAUSTAD, Jostein
MOUNTS, Duston
HILL, Shafali
(31) 201261647340 P
201313828900
(32) 15.05.2012
14.03.2013
(33) United States of America
United States of America

(51) A61M 1/16
A61M 1/34
A61M 1/36
(11) EP3362117
(21) EP16781465.6
(47) 08.01.2020
(87) EP2016074706
20.04.2017
(22) 14.10.2016
(54) RENAL FAILURE THERAPY SYSTEM HAVING ELECTRICALLY FLOATING FLUID PATHWAY
(73) Gambro Lundia AB
(72) HOBRO, Sture
TORGNY, Erik
LÖFGREN, Pär
(31) 1551324
(32) 14.10.2015
(33) Sweden

(51) A61M 1/16
B01D 63/02
B01D 63/04
(11) EP2585130
(21) EP11748453.5
(47) 08.01.2020
(87) IB2011052833
05.01.2012
(22) 28.06.2011
(54) A DEVICE FOR TREATING BLOOD IN AN EXTRACORPOREAL CIRCULATION
(73) Rand S.r.l.
(72) GALAVOTTI, Daniele
(31) MO20100192
(32) 28.06.2010
(33) Italy

(51) A61M 1/36
(11) EP3297704
(21) EP16723496.2
(47) 08.01.2020
(87) GB2016051415
24.11.2016
(22) 17.05.2016
(54) CONTROL SYSTEM
(73) Spectrum Medical Ltd.
(72) TURNER, Stephen
(31) 201508731
201516331
(32) 21.05.2015
15.09.2015
(33) United Kingdom
United Kingdom

(51) A61M 5/00
(11) EP3170524
(21) EP16170886.2
(47) 08.01.2020
(22) 16.08.2011
(54) NEEDLE CHANGING APPARATUS WITH STERILITY BARRIER
(73) Becton, Dickinson and Company
(72) Bruehwiler, Michel
Constantineau, Cole
Schoonmaker, Ryan
Bates, James
Banik, Robert
Taylor, Margaret
(31) 344526 P
201113206405
(32) 16.08.2010
09.08.2011
(33) United States of America
United States of America

(51) A61M 5/00
A61M 5/14
A61M 5/165
A61M 5/38
A61M 39/28
(11) EP2376144
(21) EP09752651.1
(47) 08.01.2020
(87) US2009063788
27.05.2010
(22) 10.11.2009
(54) APPARATUS FOR SUPPORT OF A MEMBRANE FILTER IN A MEDICAL INFUSION SYSTEM
(73) Bracco Diagnostics Inc.
(72) BALESTRACCI, Ernest
(31) 273899
(32) 19.11.2008
(33) United States of America

(51) A61M 5/00
A61M 25/00
A61M 39/02
A61N 1/05
A61M 25/10
(11) EP3038693
(21) EP14752988.7
(47) 08.01.2020
(87) US2014049859
05.03.2015
(22) 06.08.2014
(54) DELIVERY CATHETER APPARATUS
(73) Medtronic Inc.
(72) DRAKE, Ronald A.
SHEPLER, Mark W.
STENER, Lester O.
WIEN, Kelly M.
YASGER, Kendra
(31) 201314014739
(32) 30.08.2013
(33) United States of America

(51) A61M 5/00
B65D 75/32
(11) EP3291856
(21) EP16720447.8
(47) 08.01.2020
(87) EP2016060134
10.11.2016
(22) 05.05.2016
(54) SEALED PACKAGES CONTAINING A MEDICAL DEVICE
(73) Conceptomed AS
(72) MIDE, Christian
DANNEVIG, Anders
ANDRESEN, Marius
BLOMVÅGNES, Rolf
BRANDSNES, Ola
(31) 201507696
(32) 05.05.2015
(33) United Kingdom

(51) A61M 5/14
A61M 5/168
A61M 5/44
A61M 39/08
H05B 1/00
(11) EP2911720
(21) EP13851503.6
(47) 08.01.2020
(87) US2013067351
08.05.2014
(22) 29.10.2013
(54) TEMPERATURE CHANGING INTRACORPOREAL FLUID DELIVERY DEVICES
(73) Forever Young International, Inc.
(72) YOUNG, Daniel, L.
(31) 201261719946 P
(32) 29.10.2012
(33) United States of America

(51) A61M 5/142
A61M 5/145
A61M 5/158
A61M 5/168
(11) EP2609948
(21) EP13159907.8

(47) 08.01.2020
(22) 12.08.2004
(54) Patch-like infusion device
(73) Becton, Dickinson and Company
(72) Cindrich, Chris
Sonderegger, Ralph
Howell, Glade
Harding, Weston
Lastovich, Alex
Vedrine, Lionel
(31) 494286 P
558611 P
(32) 12.08.2003
02.04.2004
(33) United States of America
United States of America

(51) A61M 5/142
A61M 5/162
A61M 5/178
A61M 39/00
(11) EP2766069
(21) EP12794520.2
(47) 08.01.2020
(87) IT2012000313
18.04.2013
(22) 11.10.2012
(54) APPARATUS FOR FRACTIONATION AND INFUSION OF RADIOPHARMACEUTICAL PRODUCTS
(73) Tema Sinergie S.P.A.
(72) PIANCASTELLI, Luciano
(31) FI20110222
(32) 13.10.2011
(33) Italy

(51) A61M 5/142
A61M 5/168
A61M 5/32
(11) EP3354303
(21) EP17153997.6
(47) 08.01.2020
(22) 31.01.2017
(54) DRUG DELIVERY SYSTEM
(73) Société Industrielle de Sonceboz S.A.
(72) Staub, David
Martin, Thierry
Bailo, Nicolas
Tilloy, Denis

(51) A61M 5/158
A61M 5/162
A61M 5/32
A61M 25/00
A61M 25/06
A61M 39/00
A61M 39/06
(11) EP3003450
(21) EP14734686.0
(47) 08.01.2020
(87) US2014041010
11.12.2014
(22) 05.06.2014
(54) PORTED IV CATHETER HAVING EXTERNAL NEEDLE SHIELD AND INTERNAL BLOOD CONTROL SEPTUM
(73) Becton, Dickinson and Company
(72) ISAACSON, S. Ray
BORNHOFT, Stephen T.
HARDING, Weston F.
MA, Yiping
SHEVGOOR, Siddarth K.
(31) 201361832512 P
201414295953
(32) 07.06.2013
04.06.2014
(33) United States of America
United States of America

(51) A61M 5/168
(11) EP2987517
(21) EP15181871.3
(47) 08.01.2020
(22) 20.08.2015
(54) MEDICATION INFUSION SAFETY DEVICE WITH RESERVOIR RECOGNITION AND CONNECTION VERIFICATION
(73) Micrel Medical Devices S.A.
(72) Tsoukalis, Achilleas
(31) 14181804
(32) 21.08.2014
(33) European Patent Office (EPO)

(51) A61M 5/168
A61M 5/172
A61M 39/00
A61M 39/10
G01F 1/66
G01F 15/18
(11) EP3341053
(21) EP16764015.0
(47) 08.01.2020
(87) US2016048689
09.03.2017
(22) 25.08.2016
(54) FLOW SENSOR SYSTEM INCLUDING TRANSMISSIVE CONNECTION
(73) Crisi Medical Systems, Inc.
(72) DEKALB, Shawn, Wayne
(31) 201562211108 P
(32) 28.08.2015
(33) United States of America

(51) A61M 5/168
A61M 5/20
A61M 5/315
A61M 5/32
A61M 5/42
A61M 5/48
A61M 5/50
(11) EP3235530
(21) EP17174484.0
(47) 08.01.2020
(22) 10.03.2014
(54) PALM ACTIVATED DRUG DELIVERY DEVICE
(73) Janssen Biotech, Inc.
(72) OLSON, Lorin
VOJAN, Vaclav
PFRANG, Juergen E.
KRULEVITCH, Peter
WANG, Jingli
FOLEY, Nicholas
ZHAO, Mingqi
TASHJIAN, Paul
(31) 201313833978
(32) 15.03.2013
(33) United States of America

(51) A61M 5/178
A61M 25/00
A61M 25/06
(11) EP2380617
(21) EP11174635.0
(47) 08.01.2020
(22) 28.02.2007
(54) Method of optimizing the fluid flow parameters of an extravascular system.
(73) Becton, Dickinson and Company
(72) Adams, Chad
(31) 777841 P
680298
(32) 01.03.2006
28.02.2007
(33) United States of America
United States of America

(51) A61M 5/20
A61M 5/24
A61M 5/28
A61M 5/31
A61M 5/315
G01D 5/14
G01D 5/244
G01D 5/245
G01R 33/02
G01R 33/09
(11) EP3200854
(21) EP15771606.9
(47) 08.01.2020
(87) EP2015072673
07.04.2016
(22) 01.10.2015
(54) PEN-TYPE DRUG INJECTOR AND ADD-ON MODULE WITH MAGNETIC DOSAGE SENSOR SYSTEM AND ERROR DETECTION
(73) Novo Nordisk A/S
(72) KRUSELL, Nikolaj Frogner
(31) 14187599
14194548
(32) 03.10.2014
24.11.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) A61M 5/20
A61M 5/28
A61M 5/315
A61M 35/00
(11) EP2875836
(21) EP14193498.4
(47) 08.01.2020
(22) 17.11.2014
(54) Precision dispensing device of small volume from pre-filled syringes
(73) Smarthealth, Inc.
(72) Hamann, Curtis P.
Klenk, Karl-Michael
Falk, Bryan Richard
(31) 201314086005
(32) 21.11.2013
(33) United States of America

(51) A61M 5/20
A61M 5/32
(11) EP3113811
(21) EP15708104.3
(47) 08.01.2020
(87) CH2015000028
11.09.2015
(22) 24.02.2015

(54) AUTO-INJECTOR WITH SELECTABLE TRIGGER MODE
(73) Tecpharma Licensing AG
(72) FIECHTER, Marc
HIRSCHEL, Jürg
TSCHIRREN, Markus
(31) 333142014
(32) 06.03.2014
(33) Switzerland

(51) A61M 5/24
A61M 5/315
(11) EP3307354
(21) EP16728057.7
(47) 08.01.2020
(87) EP2016063323
15.12.2016
(22) 10.06.2016
(54) SENSOR DEVICE FOR ATTACHMENT TO A DRUG DELIVERY DEVICE
(73) Sanofi-Aventis Deutschland GmbH
(72) RIEDEL, Stephan
ALLERDINGS, Alexander
(31) 15171308
(32) 10.06.2015
(33) European Patent Office (EPO)

(51) A61M 5/315
(11) EP2414006
(21) EP10710349.1
(47) 08.01.2020
(87) EP2010053968
07.10.2010
(22) 26.03.2010
(54) DRUG DELIVERY DEVICE WITH AN IMPROVED PISTON ROD
(73) Sanofi-Aventis Deutschland GmbH
(72) OAKLAND, Philip
(31) 09004570
(32) 30.03.2009
(33) European Patent Office (EPO)

(51) A61M 5/32
(11) EP2467183
(21) EP10810604.8
(47) 08.01.2020
(87) US2010046031
24.02.2011
(22) 19.08.2010
(54) PATIENT-CONTACT ACTIVATED NEEDLE STICK SAFETY DEVICE
(73) Safety Syringes, Inc.
(72) FIELD, Frederick P.
DOWDS, Philip
VERESPEJ, James M.
(31) 235278 P
(32) 19.08.2009
(33) United States of America

(51) A61M 11/06
A61M 15/00
A61M 16/00
A61M 16/08
A61M 16/10
A61M 16/14
A61M 16/16
A61M 16/20
A61M 39/24
B05B 1/32
B05B 7/14
F16K 15/14
F16K 15/18
(11) EP3113816
(21) EP15706837.0
(47) 08.01.2020
(87) EP2015054244
11.09.2015
(22) 02.03.2015
(54) DEVICE FOR PROVIDING A CONSTANT AMOUNT OF AEROSOL AND CONTROL SYSTEM
(73) Takeda GmbH
(72) IWATSCHENKO, Peter
POHLMANN, Gerhard
(31) 14157865
(32) 05.03.2014
(33) European Patent Office (EPO)

(51) A61M 15/00
B05B 12/08
(11) EP1720591
(21) EP05715512.9
(47) 08.01.2020
(87) EP2005001944
01.09.2005
(22) 24.02.2005
(54) ATOMISER
(73) Boehringer Ingelheim International GmbH
(72) WUTTKE, Gilbert
KUNZE, Hubert
THÖMMES, Ralf
(31) 102004009436
(32) 24.02.2004
(33) Germany

(51) A61M 16/00
A61M 16/04
A61M 16/08
(11) EP3110486
(21) EP15704783.8
(47) 08.01.2020
(87) EP2015053078
03.09.2015
(22) 13.02.2015
(54) LARYNGEAL MASK
(73) Medcom Flow S.A.
(72) ACHA GANDARIAS, Pedro
SAGALÉS MAÑAS, Juan
ROCA DE VIÑALS DELGADO, Alejandro
CALAF ALCALDE, Alberto
(31) 201430257 P
(32) 25.02.2014
(33) Spain

(51) A61M 16/00
A61M 16/06
A61M 16/16
A62B 7/00
A62B 7/10
A62B 9/00
A62B 9/06
A62B 23/02
B01D 47/02
B01F 3/04
F24F 3/16
(11) EP3270070
(21) EP17171308.4
(47) 08.01.2020
(22) 16.05.2017
(54) PORTABLE AIR PURIFIER
(73) Choi, Yeon-Ok
(72) Choi, Yeon-Ok
(31) 20160090154
(32) 15.07.2016
(33) Korea (Republic)

(51) A61M 16/00
A61M 16/08
A61M 16/12
A61M 16/14
(11) EP3181174
(21) EP17155101.3
(47) 08.01.2020
(22) 14.03.2008
(54) GAS FLOW REVERSING ELEMENT
(73) Ventinova Technologies B.V.
(72) Enk, Dietmar
(31) 102007013385
(32) 16.03.2007
(33) Germany

(51) A61M 25/00
(11) EP3130372
(21) EP16177043.3
(47) 08.01.2020
(22) 30.06.2016
(54) CATHETER AND BALLOON CATHETER
(73) ASAHI INTECC CO., LTD.
(72) KUBO, Yuta
KATSURADA, Takeharu
OGIDO, Moritaka
(31) 2015157962
(32) 10.08.2015
(33) Japan

(51) A61M 25/00
(11) EP3388103
(21) EP18158567.0
(47) 08.01.2020
(22) 28.06.2002
(54) A CATHETER ASSEMBLY
(73) Coloplast A/S
(72) TANGHOEJ, Allan
JENSEN, Lars Boegelund
(31) 200101041
893514
200101386
200101869
200101870
26819
200200569
200200570
200200895
(32) 29.06.2001
29.06.2001
24.09.2001
13.12.2001
13.12.2001
27.12.2001
17.04.2002
17.04.2002
13.06.2002
(33) Denmark
United States of America
Denmark
Denmark
Denmark
United States of America
Denmark
Denmark
Denmark

(51) A61M 25/00
A61M 39/02
A61M 39/16

A61M 39/20
(11) EP3107611
(21) EP15706126.8
(47) 08.01.2020
(87) US2015015482
27.08.2015
(22) 11.02.2015
(54) IV ACCESS PORT CAP FOR PROVIDING ANTIMICROBIAL PROTECTION
(73) Becton, Dickinson and Company
(72) MA, Yiping
SHEVGOOR, Siddarth K.
(31) 201414185827
(32) 20.02.2014
(33) United States of America

(51) A61M 25/09
(11) EP2921197
(21) EP15159468.6
(47) 08.01.2020
(22) 17.03.2015
(54) GUIDEWIRE
(73) ASAHI INTECC CO., LTD.
(72) Nakagawa, Yumiko c/o ASAHI INTECC CO., LTD.
(31) 2014055799
(32) 19.03.2014
(33) Japan

(51) A61M 25/10
(11) EP2995339
(21) EP15173650.1
(47) 08.01.2020
(22) 24.06.2015
(54) BALLOON CATHETER
(73) Biotronik AG
(72) Moehl, Raimund
Filippi, Michael
Hofmann, Andreas
Quint, Bodo
(31) 201462050212 P
201462050211 P
(32) 15.09.2014
15.09.2014
(33) United States of America
United States of America

(51) A61M 27/00
(11) EP2851103
(21) EP14184602.2
(47) 08.01.2020
(22) 12.09.2014
(54) Implantable mechanical valve device for the treatment of hydrocephalus syndrome
(73) SIAD Healthcare S.p.A.
(72) Anile, Carmelo
(31) MI20131558
(32) 23.09.2013
(33) Italy

(51) A61M 39/26
A61N 1/00
(11) EP2903683
(21) EP13844497.1
(47) 08.01.2020
(87) US2013062607
10.04.2014
(22) 30.09.2013
(54) IMPLANTABLE CONNECTOR ASSEMBLY AND METHOD OF COMMUNICATING AN ELEMENT TO AN IMPLANTABLE DEVICE
(73) CircuLite, Inc.
(72) KERKHOFFS, Wolfgang
KEYSSELITZ, Ellen
FLAHERTY, J. Christopher
WEIGAND, Josef
(31) 102012019219
201261744694 P
201361809984 P
(32) 01.10.2012
02.10.2012
09.04.2013
(33) Germany
United States of America
United States of America

(51) A61N 1/04
A61N 1/32
A61N 1/36
(11) EP2389222
(21) EP10733282.7
(47) 08.01.2020
(87) IB2010000018
29.07.2010
(22) 08.01.2010
(54) APPARATUS FOR STIMULATING PELVIC FLOOR MUSCLES
(73) University College Dublin National University Of Ireland, Dublin
Atlantic Therapeutics Group Limited
(72) CROWE, Louis
CAULFIELD, Brian
MINOGUE, Conor
MAHER, Ruth
(31) 20090076
(32) 26.01.2009
(33) Ireland

(51) A61N 1/05
A61N 1/36
(11) EP3294406
(21) EP16720346.2
(47) 08.01.2020
(87) EP2016000690
17.11.2016
(22) 28.04.2016
(54) PHOTOSENSITIVE PIXEL WITH SHUNT RESISTOR
(73) Pixium Vision SA
(72) DETERRE, Martin
(31) 15001427
(32) 12.05.2015
(33) European Patent Office (EPO)

(51) A61N 1/05
A61N 1/36
(11) EP3426335
(21) EP16721018.6
(47) 08.01.2020
(87) TR2016050064
14.09.2017
(22) 09.03.2016
(54) ELECTRO-STIMULATION DEVICE EFFECTIVE IN MUSCLE LOCATION IDENTIFICATION AND THERAPEUTIC RESPONSE ENHANCEMENT
(73) Stoparkinson Healthcare Systems LLC
(72) ÇAKMAK, Yusuf Ozgur
UREY, Hakan
OZSOY, Burak
OLCER, Selim

(51) A61N 1/05
A61N 1/36
A61N 1/372
A61N 1/378
H02J 7/00
H02J 5/00
H02J 7/02
(11) EP3378530
(21) EP18171573.1
(47) 08.01.2020
(22) 16.11.2015
(54) COIL ASSEMBLY IN AN IMPLANTABLE MEDICAL DEVICE
(73) Oticon Medical A/S
(72) TOURREL, Guillaume
VEAU, Nicolas
(31) 14193827
(32) 19.11.2014
(33) European Patent Office (EPO)

(51) A61N 1/08
A61N 1/375
H01M 2/00
H01R 4/66
H02B 1/16
H02H 3/16
(11) EP3442048
(21) EP17185502.6
(47) 08.01.2020
(22) 09.08.2017
(54) GROUND CONTACT INTEGRATED INTO WELDING PROTECTION STRIP
(73) BIOTRONIK SE & Co. KG
(72) Klenner, Rolf

(51) A61N 1/37
(11) EP2338566
(21) EP10192894.3
(47) 08.01.2020
(22) 29.11.2010
(54) Implantable medical device with means for reconstructing an imperfectly sensed signal
(73) BIOTRONIK SE & Co. KG
(72) Dörr, Thomas
Weiss, Ingo
(31) 288858 P
(32) 22.12.2009
(33) United States of America

(51) A61N 1/372
A61N 1/375
(11) EP3042694
(21) EP15195554.9
(47) 08.01.2020
(22) 20.11.2015
(54) EPICARDIAL HEART STIMULATOR
(73) BIOTRONIK SE & Co. KG
(72) Blömer, Frank
Moß, Christian
(31) 201562100099 P
(32) 06.01.2015
(33) United States of America

(51) A61N 5/10
(11) EP3374023
(21) EP16757517.4
(47) 08.01.2020
(87) US2016048037
18.05.2017
(22) 22.08.2016
(54) ADAPTIVE APERTURE
(73) Mevion Medical Systems, Inc.
(72) ZWART, Gerrit Townsend

JONES, Mark R.
WAGNER, Miles S.
COOLEY, James
PEDRONI, Eros
SILVA, Robert
(31) 201514937048
(32) 10.11.2015
(33) United States of America

(51) A61N 5/10
(11) EP3131629
(21) EP14718059.0
(47) 08.01.2020
(87) EP2014057659
22.10.2015
(22) 15.04.2014
(54) METHOD AND SYSTEM FOR CALIBRATION
(73) Elekta AB (publ)
(72) SJÖLUND, Jens

(51) A61N 5/10
G01R 33/483
G01R 33/565
(11) EP3484582
(21) EP17739567.0
(47) 08.01.2020
(87) EP2017067693
18.01.2018
(22) 13.07.2017
(54) MAGNETIC RESONANCE IMAGING GUIDED THERAPY SYSTEM
(73) Koninklijke Philips N.V.
(72) KRUISKAMP, Marinus, Johan
(31) 16179538
(32) 14.07.2016
(33) European Patent Office (EPO)

(51) A61N 5/10
G01T 1/16
G01T 1/29
(11) EP3074088
(21) EP14812044.7
(47) 08.01.2020
(87) US2014065808
21.05.2015
(22) 14.11.2014
(54) RADIATION BEAM MEASUREMENT NORMALIZATION
(73) Sun Nuclear Corporation
(72) HILDRETH, Jeffrey, L.
SIMON, Thomas
(31) 201314081416
(32) 15.11.2013
(33) United States of America

(51) A61P 1/00
A61P 29/00
C12N 1/20
A61K 35/745
(11) EP3222281
(21) EP15861084.0
(47) 08.01.2020
(87) JP2015082423
26.05.2016
(22) 18.11.2015
(54) PREVENTIVE AND THERAPEUTIC AGENT FOR CELIAC DISEASE
(73) Kabushiki Kaisha Yakult Honsha
(72) OISHI, Kenji
MAKINO, Hiroshi
KUSHIRO, Akira
(31) 2014234387
(32) 19.11.2014
(33) Japan

(51) A61P 35/00
A61K 47/68
(11) EP2599504
(21) EP13157421.2
(47) 08.01.2020
(22) 18.02.2009
(54) USE OF CONJUGATES OF FSH RECEPTOR LIGANDS AND ANTITUMOUR AGENTS FOR THERAPY OF CANCER
(73) INSERM (Institut National de la Santé et de la Recherche Médicale)
Icahn School of Medicine at Mount Sinai
(72) Ghinea, Nicolae
Radu, Aurelian
(31) 08305026
(32) 18.02.2008
(33) European Patent Office (EPO)

(51) A61P 35/00
C07K 7/06
A61K 47/64
(11) EP2035041
(21) EP07764993.7
(47) 08.01.2020
(87) EP2007005836
03.01.2008
(22) 02.07.2007
(54) CONJUGATES FOR INNATE IMMUNOTHERAPY OF CANCER
(73) Syntab Therapeutics GmbH
(72) KOLTERMANN, André, Dr.
(31) 06013640
06013641
806298 P
(32) 30.06.2006
30.06.2006
30.06.2006
(33) European Patent Office (EPO)
European Patent Office (EPO)
United States of America

(51) A61P 37/00
A61K 47/59
A61K 47/60
A61K 47/64
(11) EP2590679
(21) EP11731332.0
(47) 08.01.2020
(87) EP2011061559
12.01.2012
(22) 07.07.2011
(54) IMMUNOMODULATORY PROTEIN CONSTRUCTS WITH A HELICAL POLYMERIC BACKBONE
(73) Stichting Katholieke Universiteit Meer In Het Bijzonder Radboud Universiteit Nijmegen
Stichting Katholieke Universiteit
(72) ROWAN, Alan Edward
FIGDOR, Carl Gustav
(31) 399180 P
10168747
(32) 07.07.2010
07.07.2010
(33) United States of America
European Patent Office (EPO)

(51) A61Q 1/10
A61K 8/9789
A61K 8/9794
(11) EP3375487
(21) EP18161895.0
(47) 08.01.2020
(22) 15.03.2018
(54) NATURAL-BASED MASCARA WITH HIGH COSMETIC EFFECT
(73) Prodotti Gianni S.r.l.
(72) ANSELMI, Cecilia
CENTINI, Marisanna
SILVERIO, Cristina
TOLA, Maria Francesca
(31) 201700028649
(32) 15.03.2017
(33) Italy

(51) A62B 35/00
(11) EP3442670
(21) EP17718769.7
(47) 08.01.2020
(87) US2017026967
19.10.2017
(22) 11.04.2017
(54) LOAD INDICATOR FOR A FALL PROTECTION APPARATUS
(73) MSA Technology, LLC
(72) HETRICH, Mitchell, H.
HALL, Mark
WU, Jeffrey
BAO, David
ZHAN, James
ZHAN, Jim
(31) 201662321591 P
201615233618
(32) 12.04.2016
10.08.2016
(33) United States of America
United States of America

(51) A62C 3/07
A62C 37/36
B60R 16/03
G05B 19/042
(11) EP2897698
(21) EP13774305.0
(47) 08.01.2020
(87) US2013061214
27.03.2014
(22) 23.09.2013
(54) FIRE SUPPRESSION SYSTEMS AND METHODS
(73) Tyco Fire Products LP
(72) SANDAHL, Derek M.
COUNTS, Brian L.
FERNSTRUM, Marvin B.
RYCZEK, Chad
ESCALANTE-ORTIZ, Saul
WERTH, John T.
LILLEY, Gregory J.
STREHLOW, David R.
KREFT, Anthony J.
MYERS, Thomas John
BUSHERT, John S.
HACKL, Richard J.
THORELL, Marvin D.
(31) 201261704551 P
201361794105 P
(32) 23.09.2012
15.03.2013

(33) United States of America
United States of America

(51) A62C 5/00
A62C 31/03
(11) EP1655059
(21) EP05256841.7
(47) 08.01.2020
(22) 04.11.2005
(54) Selectable fixed flow large scale fire fighting nozzle with selectable additive proportioning
(73) Tyco Fire Products LP
(72) Crabtree, Dennis Wayne
Mason, Thomas Edward
Barnes, Kirk Andy
(31) 981897
(32) 04.11.2004
(33) United States of America

(51) A62D 1/00
C08J 9/14
C09K 3/30
C09K 5/04
C11D 7/50
(11) EP3180407
(21) EP15745706.0
(47) 08.01.2020
(87) US2015041666
18.02.2016
(22) 23.07.2015
(54) AZEOTROPIC AND AZEOTROPE-LIKE COMPOSITIONS OF HFO-E-1,3,4,4,4-PENTAFLUORO-3-TRIFLUOROMETHYL-1-BUTENE AND USES THEREOF
(73) The Chemours Company FC, LLC
(72) ROBIN, Mark L.
(31) 201462036200 P
(32) 12.08.2014
(33) United States of America

(51) A63B 35/12
B63B 35/73
B63C 11/46
B63H 21/17
H01M 2/10
H02K 5/124
H01M 10/613
H01M 10/625
H01M 10/6554
H01M 10/6567
H02K 11/20
H02K 11/33
H02K 11/35
B60L 3/00
B60L 58/26
(11) EP1802524
(21) EP05797309.1
(47) 08.01.2020
(87) EP2005010798
20.04.2006
(22) 07.10.2005
(54) ELECTRIC MOTOR-DRIVEN WATER CRAFT, WHICH IS COOLED BY THE SURROUNDING WATER
(73) CAYAGO TEC GmbH
(72) GRIMMEISEN, Jürgen
(31) 102004049615
(32) 12.10.2004
(33) Germany

(51) A63B 37/00
(11) EP3421107
(21) EP18178631.0
(47) 08.01.2020
(22) 19.06.2018
(54) GOLF BALL
(73) Sumitomo Rubber Industries, Ltd.
(72) MIMURA, Kohei
SAJIMA, Takahiro
(31) 2017123925
2018031918
(32) 26.06.2017
26.02.2018
(33) Japan
Japan

(51) A63B 49/02
A63B 49/10
(11) EP3338865
(21) EP17200426.9
(47) 08.01.2020
(22) 07.11.2017
(54) TENNIS RACKET FRAME
(73) Sumitomo Rubber Industries, Ltd.
(72) YAMAMOTO, Yosuke
(31) 2016250397
(32) 26.12.2016
(33) Japan

(51) A63B 53/02
(11) EP3342469
(21) EP17203999.2
(47) 08.01.2020
(22) 28.11.2017
(54) GOLF CLUB
(73) Sumitomo Rubber Industries, Ltd.
(72) MIZUTANI, Naruhiro
(31) 2016257165
(32) 29.12.2016
(33) Japan

(51) A63F 1/00
A63F 3/00
A63F 3/04
(11) EP3285895
(21) EP16720772.9
(47) 08.01.2020
(87) EP2016059085
27.10.2016
(22) 22.04.2016
(54) SUDOKU BOARD FACILITATING PICKING UP OF THE TILES , SUDOKU KIT AND METHOD FOR PRODUCING THE SUDOKU BOARD
(73) Memory Games BVBA
(72) MORTELMANS, Rosa
(31) 201505270
(32) 23.04.2015
(33) Belgium

(51) A63F 1/06
A63F 1/18
A63F 3/00
A63F 9/24
G07F 17/32
(11) EP3332848
(21) EP18153556.8
(47) 08.01.2020
(22) 06.08.2014
(54) A METHOD FOR ADMINISTRATING PACKAGES OF SHUFFLED PLAYING CARDS
(73) Angel Playing Cards Co., Ltd.
(72) SHIGETA, Yasushi
(31) 2013213710
2014201757
(32) 08.08.2013
24.03.2014
(33) Australia
Australia

(51) A63F 3/00
A63F 9/24
G06F 3/046
A63F 13/00
A63F 13/2145
A63F 13/28
A63F 13/98
(11) EP2983802
(21) EP14720661.9
(47) 08.01.2020
(87) FR2014050820
16.10.2014
(22) 04.04.2014
(54) DEVICE AND SYSTEM FOR GENERATING AND AUTOMATICALLY CONTROLLING A FORCE FOR MOVING A MOVEABLE ELEMENT LOCATED IN REAL TIME
(73) Starbreeze Paris
(72) CHABIN, Laurent
LEFEVRE, Valentin
DUTEIL, Christophe
(31) 1353137
(32) 08.04.2013
(33) France

(51) A63G 27/00
(11) EP3216504
(21) EP17152897.9
(47) 08.01.2020
(22) 24.01.2017
(54) ATTRACTION FOR AMUSEMENT RIDES WITH IMPROVED SUPPORT CONSTRUCTION
(73) K.I.G. Heerenveen B.V.
(72) KNIJPSTRA, Hette
(31) 2016150
(32) 25.01.2016
(33) Netherlands

(51) A63H 18/02
A63H 18/08
A63H 18/12
B29C 45/06
B29C 45/14
(11) EP3331626
(21) EP16758097.6
(47) 08.01.2020
(87) EP2016068638
09.02.2017
(22) 04.08.2016
(54) ROADWAY SECTION OF A MOTOR RACING TRACK FOR MODEL VEHICLES
(73) Hesse, Kurt
(72) Hesse, Kurt
(31) 102015010018
(32) 06.08.2015
(33) Germany

(51) A63H 18/12
(11) EP3407995
(21) EP17704385.8
(47) 08.01.2020

(87) EP2017000080
03.08.2017
(22) 24.01.2017
(54) CIRCUIT ARRANGEMENT FOR A MODEL CAR RACING TRACK
(73) Stadlbauer Marketing + Vertrieb GmbH
(72) MISSLER, Roman
(31) 102016000774
(32) 26.01.2016
(33) Germany

(51) A63H 33/10
B22C 9/02
B22C 9/08
B22C 9/12
B22D 15/00
B22D 15/04
B22D 21/00
B22D 25/02
B22D 27/04
(11) EP3383514
(21) EP16843270.6
(47) 08.01.2020
(87) HU2016050060
08.06.2017
(22) 29.11.2016
(54) KIT OF CONSTRUCTION ELEMENTS
(73) Noixion Games Kft.
(72) RADICS, Zoltán András
(31) 1500230 U
(32) 30.11.2015
(33) Hungary

(51) B01D 3/00
B01D 3/20
B01D 3/32
B01D 53/18
B01D 53/26
B01J 19/30
(11) EP3323484
(21) EP17306534.3
(47) 08.01.2020
(22) 06.11.2017
(54) DISTRIBUTION TRAY FOR EXCHANGE COLUMN COMPRISING A DISPERSIVE MATERIAL WITHIN A CHIMNEY FOR THE PASSAGE OF GAS AND ITS USE IN THE EXCHANGE COLUMN
(73) IFP Energies nouvelles
(72) BRAHEM, Rim
ALIX, Pascal
ROESLER, John
(31) 1661339
(32) 22.11.2016
(33) France

(51) B01D 3/14
C07C 67/04
C07C 67/54
C07C 67/62
(11) EP3390339
(21) EP16801531.1
(47) 08.01.2020
(87) EP2016079025
22.06.2017
(22) 28.11.2016
(54) PRODUCTION OF TERT-BUTYL ESTERS OF ETHYLENICALLY UNSATURATED CARBOXYLIC ACIDS
(73) BASF SE
(72) HORSTMANN, Catharina
HECHLER, Claus
GRACKIEWICZ, Gregor
SCHALL, Bernd
(31) 102015121860
201562267331 P
(32) 15.12.2015
15.12.2015
(33) Germany
United States of America

(51) B01D 3/20
B01D 3/24
(11) EP2945716
(21) EP14700685.2
(47) 08.01.2020
(87) EP2014050791
24.07.2014
(22) 16.01.2014
(54) HYBRID CONTACT TRAY FOR A MASS TRANSFER COLUMN
(73) Sulzer Management AG
(72) GLÜER, Sven
PILLING, Mark William
WILKINSON, Peter Mervyn
(31) 201361753151 P
(32) 16.01.2013
(33) United States of America

(51) B01D 3/34
B01D 5/00
B01J 4/00
B01J 8/00
B01J 8/08
B01J 8/10
B01J 19/00
B01J 19/28
B09B 3/00
C10B 31/12
C10B 47/30
C10B 55/00
C10G 1/02
C10G 1/10
C10G 3/00
C10G 7/00
C10G 7/06
C10G 9/00
C10G 31/06
(11) EP2875100
(21) EP13822153.6
(47) 08.01.2020
(87) CA2013050111
30.01.2014
(22) 13.02.2013
(54) HYBRID THERMAL PROCESS TO SEPARATE AND TRANSFORM CONTAMINATED OR UNCONTAMINATED HYDROCARBON MATERIALS INTO USEFUL PRODUCTS, USES OF THE PROCESS, MANUFACTURING OF THE CORRESPONDING SYSTEM AND PLANT
(73) Envirollea Inc.
(72) WHEELER, Lucie B.
BERTRAND, Louis
(31) 2783608
(32) 23.07.2012
(33) Canada

(51) B01D 11/02
B09B 3/00
C01F 5/24
C01F 11/18
C22B 3/16
C22B 7/00
C22B 26/00
C22B 26/20
(11) EP2870987
(21) EP13813295.6
(47) 08.01.2020
(87) JP2013068376
09.01.2014
(22) 04.07.2013
(54) ALKALI METAL AND/OR ALKALI EARTH METAL EXTRACTION METHOD
(73) Aisin Seiki Kabushiki Kaisha
(72) WAKIMOTO, Yoshiki
(31) 2012151746
(32) 05.07.2012
(33) Japan

(51) B01D 15/20
B01J 20/20
B01J 20/28
B01J 20/34
C01B 17/90
(11) EP3277626
(21) EP16716743.6
(47) 08.01.2020
(87) US2016024486
06.10.2016
(22) 28.03.2016
(54) TREATING SULFURIC ACID
(73) Rohm and Haas Company
(72) ROHANNA, John C.
SCHULTZ, Alfred K.
(31) 201562140786 P
(32) 31.03.2015
(33) United States of America

(51) B01D 17/04
C12Q 1/02
G01N 1/34
G01N 1/38
G01N 21/64
G01N 33/50
C12Q 1/6806
(11) EP2847570
(21) EP12720424.6
(47) 08.01.2020
(87) EP2012001979
14.11.2013
(22) 08.05.2012
(54) REAGENT FOR CLARIFYING EMULSIONS AND METHOD OF CLARIFICATION
(73) Bentley Instruments S.a.r.l.
(72) PAUTZ, Norbert
BROUTIN, Pierre

(51) B01D 21/00
B01D 21/04
B01D 21/24
B01F 3/04
B03D 1/02
B03D 1/14
B03D 1/24
(11) EP3006113
(21) EP15187904.6
(47) 08.01.2020
(22) 01.10.2015

(54) METHOD AND DEVICE FOR GAS SUPPLY OF A LIQUID / SOLID SEPARATOR AND TREATMENT FACILITY OF FLUID FLOW INCORPORATING SUCH A DEVICE
(73) VPS
(72) LEGRAS, Philippe
(31) 1459730
(32) 10.10.2014
(33) France

(51) B01D 21/01
B01D 21/06
B01D 21/08
B01D 21/24
B01D 21/32
C01F 7/06
(11) EP3084023
(21) EP14870988.4
(47) 08.01.2020
(87) IB2014002606
25.06.2015
(22) 28.11.2014
(54) PROCESS AND INSTALLATION FOR PRODUCING ALUMINA TRIHYDRATE BY ALKALINE DIGESTION OF BAUXITE ORE
(73) Rio Tinto Alcan International Limited
(72) REID, Michaël
PELOQUIN, Guy
ST-LAURENT, Matthieu
RACINE, Philippe
(31) 13006035
(32) 20.12.2013
(33) European Patent Office (EPO)

(51) B01D 29/11
B01D 35/147
B01D 35/153
(11) EP3153220
(21) EP15188293.3
(47) 08.01.2020
(22) 05.10.2015
(54) CARTRIDGE FOR FILTERING LIQUIDS
(73) N.D.R. S.R.L. Soc. Unipersonale
(72) NOTA, Marco
NOTA, Andrea

(51) B01D 29/21
B01D 46/24
(11) EP2809424
(21) EP12726521.3
(47) 08.01.2020
(87) US2012038474
08.08.2013
(22) 18.05.2012
(54) END CAP RETENTION DEVICE
(73) Parker-Hannifin Corporation
(72) LUTHER, Kenneth, M.
SEXSMITH, Michael, R.
(31) 201261594006 P
(32) 02.02.2012
(33) United States of America

(51) B01D 29/33
B01D 29/44
B01D 29/58
B01L 3/00
(11) EP3436197
(21) EP17721803.9
(47) 08.01.2020
(87) GB2017051157
02.11.2017
(22) 26.04.2017
(54) FILTER APPARATUS AND FILTER DEVICE FOR BIOLOGICAL SAMPLES
(73) Apacor Limited
(72) REARDON, Paul
(31) 201607245
(32) 26.04.2016
(33) United Kingdom

(51) B01D 29/35
B01D 29/44
B01D 29/64
E03F 5/14
(11) EP3420150
(21) EP17705877.3
(47) 08.01.2020
(87) EP2017053609
31.08.2017
(22) 17.02.2017
(54) SCREENING DEVICE
(73) Huber SE
(72) ABT, Simon
(31) 102016103081
(32) 23.02.2016
(33) Germany

(51) B01D 29/90
B01D 35/31
(11) EP3334513
(21) EP16731798.1
(47) 08.01.2020
(87) EP2016000981
16.02.2017
(22) 14.06.2016
(54) FILTER DEVICE TOGETHER WITH A FILTER ELEMENT
(73) Hydac Filtertechnik GmbH
(72) FIEDLER, Sebastian
SANN, Norbert
(31) 102015010532
(32) 12.08.2015
(33) Germany

(51) B01D 35/00
B01D 35/04
B01D 35/30
B67D 1/00
B67D 1/08
B67D 1/16
(11) EP3337587
(21) EP16839435.1
(47) 08.01.2020
(87) KR2016007142
02.03.2017
(22) 01.07.2016
(54) WATER DISPENSER
(73) LG Electronics Inc.
(72) YOON, Shic
(31) 20150118211
(32) 21.08.2015
(33) Korea (Republic)

(51) B01D 35/30
C02F 1/42
C02F 1/44
(11) EP3427805
(21) EP18188923.9
(47) 08.01.2020
(22) 01.09.2016
(54) HEAD PART FOR FORMING A LIQUID TREATMENT APPARATUS AND LIQUID TREATMENT APPARATUS
(73) Brita GmbH
(72) ZÖLLER, Jochen
(31) 15183505
(32) 02.09.2015
(33) European Patent Office (EPO)

(51) B01D 39/16
B01D 39/20
(11) EP3138621
(21) EP16020238.8
(47) 08.01.2020
(22) 04.11.2005
(54) FILTER MEDIUM AND STRUCTURE
(73) DONALDSON COMPANY, INC.
(72) ROGERS, Robert M.
DEMA, Keh B.
LAVALLEE, Gregory L.
ISRAEL, Joseph
JONES, Derek O.
MADDEN, Michael A.
KOJETIN, Paul L.
KAHLBAUGH, Brad E.
OLSON, Linda M.
YANG, Chuanfang
(31) 625439
650051
(32) 05.11.2004
04.02.2005
(33) United States of America
United States of America

(51) B01D 45/04
F01D 11/02
(11) EP3149287
(21) EP15729359.8
(47) 08.01.2020
(87) EP2015061901
03.12.2015
(22) 28.05.2015
(54) SEALING DEVICE FOR TURBOMACHINES
(73) Nuovo Pignone S.r.l.
(72) BERTONERI, Matteo
RIZZO, Emanuele
TAVERNARI, Mirco
(31) FI20140133
(32) 30.05.2014
(33) Italy

(51) B01D 45/08
(11) EP3261744
(21) EP16705742.1
(47) 08.01.2020
(87) EP2016052563
01.09.2016
(22) 05.02.2016
(54) SEPARATION PLANT AND METHOD FOR SEPARATING IMPURITIES FROM A CRUDE GAS FLOW
(73) Dürr Systems AG
(72) WIELAND, Dietmar
SCHÖTTLE, Frank
(31) 102015203611
(32) 27.02.2015
(33) Germany

(51) B01D 45/08
B01D 53/24
F04D 29/70

(11) EP2520810
(21) EP12002240.5
(47) 08.01.2020
(22) 28.03.2012
(54) Device with a guidance structure
(73) Pfeiffer Vacuum GmbH
(72) Hofmann, Jan
Niessner, Wolfgang
(31) 102011100311
(32) 03.05.2011
(33) Germany

(51) B01D 45/08
C10K 1/02
(11) EP3371278
(21) EP16809478.7
(47) 08.01.2020
(87) FR2016052850
11.05.2017
(22) 03.11.2016
(54) DEVICE FOR LAMELLA CLARIFICATION ON MOLTEN ASH
(73) Haffner Energy
(72) FERNANDEZ DE GRADO, Alain
HAFFNER, Philippe
(31) 1560553
(32) 04.11.2015
(33) France

(51) B01D 46/00
B01D 53/04
B01D 53/26
B60T 17/00
F15B 21/04
(11) EP2499032
(21) EP10781856.9
(47) 08.01.2020
(87) EP2010067113
19.05.2011
(22) 09.11.2010
(54) DRYING AGENT CARTRIDGE AND AIR TREATMENT SYSTEM WITH DRYING AGENT CARTRIDGE
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) SCHAEBEL, Stefan
(31) 102009052785
(32) 11.11.2009
(33) Germany

(51) B01D 46/24
B01J 35/04
B05D 3/04
C04B 41/00
F01N 3/022
F01N 3/28
(11) EP3122458
(21) EP15760233.5
(47) 08.01.2020
(87) GB2015050858
01.10.2015
(22) 24.03.2015
(54) METHOD FOR COATING A FILTER SUBSTRATE
(73) Johnson Matthey Public Limited Company
(72) ARULRAJ, Kaneshalingham
BHANTOO, Jenita
SAVAGE, Jamie
SMITH, Andrew
WANG, Lifeng
YOKOTA, Daisuke
(31) 201405277
(32) 25.03.2014
(33) United Kingdom

(51) B01D 46/24
C04B 35/195
C04B 35/653
C04B 38/00
C04B 111/00
F01N 3/022
(11) EP3093061
(21) EP16163151.0
(47) 08.01.2020
(22) 31.03.2016
(54) HONEYCOMB STRUCTURE AND MANUFACTURING METHOD OF HONEYCOMB STRUCTURE
(73) NGK Insulators, Ltd.
(72) OUCHI, Takahiro
ICHIKAWA, Shuichi
(31) 2015071540
(32) 31.03.2015
(33) Japan

(51) B01D 46/30
B01D 53/00
B23K 1/008
B23K 1/018
B23K 1/08
B23K 1/20
B23K 3/06
B23K 3/08
B23K 37/00
H05K 3/30
(11) EP3096915
(21) EP14812677.4
(47) 08.01.2020
(87) US2014066278
30.07.2015
(22) 19.11.2014
(54) FLUX MANAGEMENT SYSTEM AND METHOD OF CONTAMINANT REMOVAL FOR A WAVE SOLDER MACHINE
(73) Illinois Tool Works Inc.
(72) DAUTENHAHN, Jonathan M.
(31) 201414162198
(32) 23.01.2014
(33) United States of America

(51) B01D 53/00
B01D 53/56
B01D 53/78
B01J 8/00
B01J 10/00
C01G 49/06
C02F 1/58
C02F 101/16
C02F 103/34
C09C 1/24
C09D 17/00
(11) EP3066158
(21) EP13896932.4
(47) 08.01.2020
(87) CN2013086804
14.05.2015
(22) 08.11.2013
(54) PRODUCTION OF RED IRON OXIDE PIGMENT
(73) Lanxess Deutschland GmbH
(72) CZAPLIK, Waldemar
KISCHKEWITZ, Jürgen
OEHLERT, Wolfgang
LI, Huajun
HOLTMANN, Udo
KETTELER, Guido
BLANKEMEYER-MENGE, Birgit
BARDOUN, Alfred

(51) B01D 53/00
C01B 7/07
C07C 263/10
C07C 263/20
C01B 32/80
(11) EP3268349
(21) EP16709414.3
(47) 08.01.2020
(87) EP2016055154
15.09.2016
(22) 10.03.2016
(54) METHOD FOR THE SEPARATION OF A MATERIAL FLOW CONTAINING PHOSGENE AND HYDROGEN CHLORIDE
(73) BASF SE
(72) SCHELLING, Heiner
MATTKE, Torsten
PALLASCH, Hans-Juergen
THIELE, Kai
(31) 15158862
(32) 12.03.2015
(33) European Patent Office (EPO)

(51) B01D 53/04
B01D 53/26
B60G 17/04
B60G 17/052
(11) EP2794063
(21) EP12795737.1
(47) 08.01.2020
(87) EP2012004890
27.06.2013
(22) 28.11.2012
(54) COMPRESSED AIR SUPPLY UNIT, COMPRESSED AIR SUPPLY SYSTEM, AND VEHICLE, IN PARTICULAR PASSENGER CAR, HAVING A COMPRESSED AIR SUPPLY UNIT
(73) WABCO GmbH
(72) BERGEMANN, Klaus-Dieter
BREDBECK, Klaus
FRANK, Dieter
GEHRKE, Morten
MEISSNER, Frank
STABENOW, Uwe
(31) 102011122289
102012005308
(32) 23.12.2011
19.03.2012
(33) Germany
Germany

(51) B01D 53/04
B01D 53/26
F24F 3/14
F24F 13/20
(11) EP3406976
(21) EP16838088.9
(47) 08.01.2020
(87) ES2016070820
24.05.2018
(22) 17.11.2016

(54) RECHARGEABLE DEHUMIDIFIER
(73) Humex, S.A.
(72) SCHMIDT DIOS, Eva
(51) B01D 53/04
B32B 3/26
F26B 5/16
(11) EP3105521
(21) EP15708253.8
(47) 08.01.2020
(87) GB2015050166
30.07.2015
(22) 23.01.2015
(54) FLEXIBLE PANEL AND SEALABLE BAG WITH SORBENT
(73) Stasis Lmps Limited
(72) IFTKHAR, Mohammed Rashid
(31) 201461930670 P
(32) 23.01.2014
(33) United States of America

(51) B01D 53/047
B01D 53/26
C01B 3/56
C25B 1/12
(11) EP3164357
(21) EP15745291.3
(47) 08.01.2020
(87) US2015038550
07.01.2016
(22) 30.06.2015
(54) SYSTEM AND METHOD FOR REGENERATING ABSORBER BED FOR DRYING COMPRESSED HUMIDIFIED HYDROGEN
(73) Nuvera Fuel Cells, LLC
(72) VANZANDT, Kyle
GORDON, Bryan
(31) 201462020475 P
(32) 03.07.2014
(33) United States of America

(51) B01D 53/14
B01D 53/62
(11) EP3094399
(21) EP15707770.2
(47) 08.01.2020
(87) IB2015000038
23.07.2015
(22) 16.01.2015
(54) NOVEL COMPOUNDS FOR THE CAPTURE OF CARBON DIOXIDE FROM GASEOUS MIXTURES AND SUBSEQUENT RELEASE.
(73) Università degli Studi di Milano - Bicocca
(72) ACCIARRI, Maurizio, Filippo
BINETTI, Simona, Olga
VODOPIVEC, Bruno
MESCHIA, Maurilio, Giuseppe
(31) MI20140048
(32) 16.01.2014
(33) Italy

(51) B01D 53/14
C07C 227/18
C07C 229/12
(11) EP2806965
(21) EP12791485.1
(47) 08.01.2020
(87) EP2012073778
01.08.2013
(22) 28.11.2012
(54) METHOD AND ABSORPTION MEDIUM FOR ABSORBING CO2 FROM A GAS MIXTURE
(73) Evonik Operations GmbH
(72) SCHRAVEN, Alexander
KNAUP, Günter
SCHNEIDER, Rolf
(31) 102012200907
(32) 23.01.2012
(33) Germany

(51) B01D 53/22
B01D 63/00
B01D 63/10
B01D 65/00
B01D 69/10
B01D 69/12
B01D 69/14
B01D 71/32
B01D 71/36
(11) EP3305395
(21) EP16803268.8
(47) 08.01.2020
(87) JP2016065776
08.12.2016
(22) 27.05.2016
(54) SPIRAL-WOUND ACID GAS SEPARATION MEMBRANE ELEMENT, ACID GAS SEPARATION MEMBRANE MODULE, AND ACID GAS SEPARATION APPARATUS
(73) SUMITOMO CHEMICAL COMPANY, LIMITED
(72) OKUBO, Yoshihito
SHUDO, Atsushi
OTA, Yudai
KASAHARA, Shohei
(31) 2015110487
(32) 29.05.2015
(33) Japan

(51) B01D 53/22
B60T 17/00
F26B 21/06
(11) EP2347207
(21) EP09820952.1
(47) 08.01.2020
(87) US2009053475
22.04.2010
(22) 11.08.2009
(54) MEMBRANE AIR DRYER
(73) New York Air Brake LLC
(72) WRIGHT, Eric
KOHAR, Richard
(31) 250074
(32) 13.10.2008
(33) United States of America

(51) B01D 53/26
B60T 17/00
(11) EP3359282
(21) EP16777626.9
(47) 08.01.2020
(87) EP2016072965
13.04.2017
(22) 27.09.2016
(54) DRYING CARTRIDGE FOR IMPROVED DRYING AND REGENERATION
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) SCHÄBEL, Stefan
OCHSENKÜHN, Andreas
HUBER, Christian
(31) 102015117283
(32) 09.10.2015
(33) Germany

(51) B01D 53/32
B03C 3/08
B03C 3/09
B03C 3/10
B03C 3/36
B03C 3/41
B03C 3/47
(11) EP2776168
(21) EP12794539.2
(47) 08.01.2020
(87) NL2012050792
16.05.2013
(22) 09.11.2012
(54) APPARATUS WITH CONDUCTIVE STRIP FOR DUST REMOVAL AND METHOD THEREFORE
(73) Memic Europe B.V.
(72) URSEM, Willibrordus Nicolaas Johannes
VAN DE VORLE - HOUBEN, Elisabeth Johanna Jacoba
DE HAAR, Johannes Anthonius Wilhelmus
(31) 2007755
2008621
12178153
(32) 09.11.2011
11.04.2012
27.07.2012
(33) Netherlands
Netherlands
European Patent Office (EPO)

(51) B01D 53/32
C01B 3/50
C01B 3/58
C25B 1/12
H01M 8/14
H01M 8/0232
H01M 8/0271
H01M 8/04082
H01M 8/0662
H01M 8/1018
H01M 8/248
(11) EP3333953
(21) EP17204251.7
(47) 08.01.2020
(22) 29.11.2017
(54) ELECTROCHEMICAL HYDROGEN PUMP
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) SAKAI, Osamu
UKAI, Kunihiro
WAKITA, Hidenobu
KANI, Yukimune
YAKUMARU, Yuuichi
SOTOKU, Takashi
(31) 2016236379
2016236380
(32) 06.12.2016
06.12.2016
(33) Japan
Japan

(51) B01D 53/86
B01J 21/06

B01J 23/00
B01J 23/30
(11) EP2384807
(21) EP09848138.5
(47) 08.01.2020
(87) JP2009067414
14.04.2011
(22) 06.10.2009
(54) NOX REDUCTION CATALYST FOR HIGH-TEMPERATURE EXHAUST GAS, METHOD FOR PRODUCING SAME, AND METHOD FOR REDUCING NOX IN HIGH-TEMPERATURE EXHAUST GAS
(73) Mitsubishi Heavy Industries, Ltd.
(72) NOCHI, Katsumi
YASUTAKE, Toshinobu
YONEMURA, Masanao

(51) B01D 53/94
B01J 20/06
B01J 20/28
B01J 20/30
B01J 23/10
B01J 35/02
B01J 35/10
B01J 37/03
C01F 17/00
C09K 3/14
F01N 3/08
(11) EP3218307
(21) EP15794536.1
(47) 08.01.2020
(87) EP2015076272
19.05.2016
(22) 10.11.2015
(54) CERIUM OXIDE PARTICLES AND METHOD FOR PRODUCTION THEREOF
(73) Rhodia Operations
(72) OHTAKE, Naotaka
OKAZUMI, Mitsuhiro
OCAMPO, Fabien
(31) 14290344
(32) 12.11.2014
(33) European Patent Office (EPO)

(51) B01D 53/94
B01J 23/30
B01J 29/76
B01J 29/80
B01J 29/85
B01J 35/00
B01J 35/04
B01J 37/00
B01J 37/02
B01J 37/04
(11) EP2739389
(21) EP12751582.3
(47) 08.01.2020
(87) GB2012051857
07.02.2013
(22) 31.07.2012
(54) METHOD FOR PRODUCING EXTRUDED HONEYCOMB CATALYSTS
(73) Johnson Matthey PLC
(72) CHANDLER, Guy Richard
COLLINS, Neil Robert
DOTZEL, Ralf
MÜNCH, Jörg Werner
PHILLIPS, Paul Richard
SMEDLER, Gudmund
WALKER, Andrew Peter
(31) 202011103994 U
201202182
201261599124 P
(32) 03.08.2011
08.02.2012
15.02.2012
(33) Germany
United Kingdom
United States of America

(51) B01D 53/94
B01J 29/06
B01J 29/50
B01J 29/52
B01J 29/58
B01J 29/70
B01J 29/72
B01J 29/78
B01J 29/80
B01J 35/00
C01B 39/02
C01B 39/30
C01B 39/48
C07C 1/20
(11) EP3362410
(21) EP16784303.6
(47) 08.01.2020
(87) US2016053911
20.04.2017
(22) 27.09.2016
(54) MOLECULAR SIEVE SSZ-105, ITS SYNTHESIS AND USE
(73) Chevron U.S.A. Inc.
(72) XIE, Dan
LEW, Christopher Michael
(31) 201514884845
201514884859
201562242352 P
(32) 16.10.2015
16.10.2015
16.10.2015
(33) United States of America
United States of America
United States of America

(51) B01D 53/94
F01N 3/08
F01N 3/20
F01N 3/36
F01N 9/00
(11) EP3260675
(21) EP16752262.2
(47) 08.01.2020
(87) JP2016052906
25.08.2016
(22) 01.02.2016
(54) EXHAUST GAS PURIFICATION SYSTEM FOR INTERNAL COMBUSTION ENGINE, INTERNAL COMBUSTION ENGINE, AND EXHAUST GAS PURIFICATION METHOD FOR INTERNAL COMBUSTION ENGINE
(73) Isuzu Motors, Ltd.
(72) NAGAOKA, Daiji
NAKADA, Teruo
SAKAMOTO, Takayuki
(31) 2015027554
(32) 16.02.2015
(33) Japan

(51) B01D 59/44
G01N 30/72
H01J 49/00
(11) EP2419198
(21) EP10764847.9
(47) 08.01.2020
(87) US2010029277
21.10.2010
(22) 30.03.2010
(54) ACQUISITION AND ANALYSIS OF MIXED ION POPULATIONS IN A MASS SPECTROMETER
(73) Thermo Finnigan LLC
(72) ZABROUSKOV, Vladimir
SENKO, Michael, W.
QUARMBY, Scott, T.
(31) 168714 P
(32) 13.04.2009
(33) United States of America

(51) B01D 61/28
G01N 13/00
G01N 33/15
(11) EP3047267
(21) EP14766913.9
(47) 08.01.2020
(87) EP2014002523
26.03.2015
(22) 17.09.2014
(54) DIALYSIS CELL FOR AN IN-VITRO RELEASE TEST APPARATUS, USE OF THE DIALYSIS CELL AND IN-VITRO RELEASE TEST APPARATUS
(73) Pharma Test Apparatebau AG
(72) WACKER, Matthias
JANAS, Christine
(31) 102013015522
(32) 18.09.2013
(33) Germany

(51) B01D 63/02
B01J 20/02
B01J 20/06
B01J 20/08
B01J 20/26
B01J 20/28
B01J 20/30
B01J 20/32
B01J 20/34
C02F 1/04
C02F 1/28
C02F 1/36
C02F 1/38
C02F 1/42
C02F 1/44
C02F 1/52
C02F 1/66
C02F 1/72
C02F 1/78
C02F 3/06
C02F 3/12
C02F 3/28
C02F 11/08
C02F 101/10
C02F 101/14
C02F 101/20
C02F 103/32
(11) EP1900691
(21) EP06766644.6
(47) 08.01.2020

(87) JP2006311833
21.12.2006
(22) 13.06.2006
(54) APPARATUS FOR WATER TREATMENT AND METHOD OF TREATING WATER
(73) Asahi Kasei Kabushiki Kaisha
(72) MIDORIKAWA, Ichiro
OMORI, Akihiro
SHIMIZU, Tadashi
(31) 2005174082
2005174083
2005174084
2005174085
2005174086
2005174753
2005174754
(32) 14.06.2005
14.06.2005
14.06.2005
14.06.2005
14.06.2005
15.06.2005
15.06.2005
(33) Japan
Japan
Japan
Japan
Japan
Japan
Japan

(51) B01D 63/02
B29C 65/00
B29C 65/54
B29K 75/00
B29K 105/08
B29L 31/14
C02F 1/44
(11) EP3040112
(21) EP14846890.3
(47) 08.01.2020
(87) KR2014009083
02.04.2015
(22) 29.09.2014
(54) HOLLOW FIBRE MEMBRANE MODULE COMPRISING A HEADER APPARATUS AND A HOLLOW FIBRE RESTRAINING APPARATUS AND MANUFACTURING METHOD THEREFOR
(73) Lotte Advanced Materials Co., Ltd.
Lotte Chemical Corporation
(72) SUK, Eu Mine
SON, Young Soo
KIM, Dong Hyun
MIN, Gyu Hong
(31) 20130116960
(32) 30.09.2013
(33) Korea (Republic)

(51) B01D 71/64
(11) EP3069784
(21) EP14861736.8
(47) 08.01.2020
(87) KR2014010537
21.05.2015
(22) 05.11.2014
(54) FLUE GAS SEPARATION MEMBRANE COMPRISING THERMALLY REARRANGED POLY(BENZOXAZOLE-IMIDE) COPOLYMER HAVING CROSS-LINKED STRUCTURE, AND PREPARATION METHOD THEREFOR
(73) IUCF-HYU (Industry-University Cooperation Foundation Hanyang University)
(72) LEE, Young Moo
CALLE, Mariola
JO, Hye Jin
LEE, Jong Myoung
(31) 20130139217
20130139389
20130139396
(32) 15.11.2013
15.11.2013
15.11.2013
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) B01F 3/00
B01F 3/02
B01F 5/04
B01F 15/04
F17D 3/12
(11) EP3221037
(21) EP15820262.2
(47) 08.01.2020
(87) IB2015058885
26.05.2016
(22) 17.11.2015
(54) ODORIZER DEVICE FOR GAS DISTRIBUTION NETWORKS
(73) Pietro Fiorentini S.p.A.
(72) DI DOMENICO, Renato
(31) VI20140298
(32) 18.11.2014
(33) Italy

(51) B01F 3/04
B01F 5/00
B01J 8/04
(11) EP2914375
(21) EP13774281.3
(47) 08.01.2020
(87) US2013060329
08.05.2014
(22) 18.09.2013
(54) VORTEX-TYPE MIXING DEVICE FOR A DOWN-FLOW HYDROPROCESSING REACTOR
(73) Chevron U.S.A. Inc.
(72) BOYAK, Craig
KEMOUN, Abdenour
KILLEN, Ralph Evans
PARIMI, Krishniah
SONG, Steven Xuqi
(31) 201213663570
(32) 30.10.2012
(33) United States of America

(51) B01F 3/08
B01F 11/00
B01F 11/02
B06B 3/02
(11) EP3017863
(21) EP13786521.8
(47) 08.01.2020
(87) ES2013070466
08.01.2015
(22) 03.07.2013
(54) ULTRASONIC SYSTEM FOR MIXING MULTIPHASE MEDIA AND LIQUIDS, AND ASSOCIATED METHOD
(73) Cardoni, Andrea
(72) Cardoni, Andrea

(51) B01F 5/00
F02M 47/02
F02M 55/00
(11) EP3218094
(21) EP15790996.1
(47) 08.01.2020
(87) EP2015076091
19.05.2016
(22) 09.11.2015
(54) AN INJECTION VALVE HAVING CONTROL CHAMBER
(73) Robert Bosch GmbH
(72) KAYAKOL, Nuray
(31) 201413269
(32) 11.11.2014
(33) Turkey

(51) B01F 5/04
B01F 15/00
B08B 3/00
(11) EP3065851
(21) EP13792498.1
(47) 08.01.2020
(87) IB2013059912
14.05.2015
(22) 05.11.2013
(54) CLEANING DEVICE AND METHOD FOR IMPROVED PRODUCTION OF FOAM FOR CLEANING PURPOSES
(73) Nilfisk A/S
(72) OESTERGAARD SAYK, Rune
ASP, Flemming

(51) B01F 17/00
C01B 33/145
C08K 3/36
C08K 9/06
C09C 1/30
C09D 7/62
C09D 7/80
(11) EP2496340
(21) EP10771465.1
(47) 08.01.2020
(87) EP2010066551
12.05.2011
(22) 01.11.2010
(54) SILICA DISPERSION
(73) Nouryon Chemicals International B.V.
(72) GREENWOOD, Peter Harry Johan
LAGNEMO, Hans
(31) 09175128
258699 P
(32) 05.11.2009
06.11.2009
(33) European Patent Office (EPO)
United States of America

(51) B01J 4/00
B01J 19/00
B01J 19/06
B01J 19/24
C08F 2/00
C08F 2/01
C08F 2/34
C08F 10/02
C08F 110/02

(11) EP3317009
(21) EP16726705.3
(47) 08.01.2020
(87) US2016032371
05.01.2017
(22) 13.05.2016
(54) CONTROL OF FOULING IN HIGH PRESSURE POLYETHYLENE MANUFACTURE
(73) ExxonMobil Chemical Patents Inc.
(72) LAMMENS, Henri A.
CLYMANS, Paul J.
CORNELISSEN, Philip H.
(31) 201562186914 P
15180118
(32) 30.06.2015
07.08.2015
(33) United States of America
European Patent Office (EPO)

(51) B01J 8/02
C07D 301/08
C07D 301/10
(11) EP2547434
(21) EP11712373.7
(47) 08.01.2020
(87) US2011028763
22.09.2011
(22) 17.03.2011
(54) CATALYTIC FIXED BED REACTOR AND METHOD FOR PRODUCING ETHYLENE OXIDE BY PARTIAL OXIDATION OF ETHYLENE
(73) Dow Technology Investments LLC
(72) TIRTOWIDJOJO, Max, M.
ZARTH, Christina
SEN, Subrata
PATIL, Pramod, D.
(31) 314677 P
(32) 17.03.2010
(33) United States of America

(51) B01J 13/00
B01J 21/06
B01J 29/89
B01J 35/00
B01J 35/10
B01J 37/03
B01J 37/06
B01J 37/08
B01J 37/30
C01B 33/20
C02F 1/28
C02F 1/42
C02F 101/00
C02F 101/20
C02F 101/30
C11C 3/10
(11) EP2986558
(21) EP14726413.9
(47) 08.01.2020
(87) IB2014060755
23.10.2014
(22) 16.04.2014
(54) METHOD FOR PREPARATION OF A GROUP 4 METAL SILICATE AND USE THEREOF
(73) BASF Corporation
(72) BRANDTS, Jim Aloysius Maria
WAGEMAKER, Lorianne
(31) 13164165
(32) 17.04.2013
(33) European Patent Office (EPO)

(51) B01J 19/00
B01L 3/00
(11) EP2780112
(21) EP12849449.9
(47) 08.01.2020
(87) US2012065039
23.05.2013
(22) 14.11.2012
(54) SYSTEMS AND METHODS TO ENHANCE CONSISTENCY OF ASSAY PERFORMANCE
(73) Aushon Biosystems Inc.
(72) HONKANEN, Peter
DOUGLAS, Scott
SULLIVAN, Travis
ORENCOLE, Scott
(31) 201161559470 P
(32) 14.11.2011
(33) United States of America

(51) B01J 19/00
B01L 3/00
B01L 7/00
C12Q 1/68
(11) EP2703500
(21) EP13192943.2
(47) 08.01.2020
(22) 09.05.2008
(54) MICROARRAY SYSTEM
(73) Akonni Biosystems
(72) COONEY, Christopher G.

(51) B01J 19/00
C08F 10/00
(11) EP2343117
(21) EP11155803.7
(47) 08.01.2020
(22) 13.01.2005
(54) METHOD AND APPARATUS FOR MONITORING POLYOLEFIN PRODUCTION
(73) CHEVRON PHILLIPS CHEMICAL COMPANY LP
(72) Battiste, David
(31) 758454
950249
950151
950252
(32) 14.01.2004
24.09.2004
24.09.2004
24.09.2004
(33) United States of America
United States of America
United States of America
United States of America

(51) B01J 19/00
C08F 10/00
(11) EP2345476
(21) EP11155802.9
(47) 08.01.2020
(22) 13.01.2005
(54) METHOD AND APPARATUS FOR MONITORING POLYOLEFIN PRODUCTION
(73) CHEVRON PHILLIPS CHEMICAL COMPANY LP
(72) Battiste, David
(31) 758454
950249
950151
950252
(32) 14.01.2004
24.09.2004
24.09.2004
24.09.2004
(33) United States of America
United States of America
United States of America
United States of America

(51) B01J 19/08
H05H 1/24
H05H 1/30
H05H 1/46
(11) EP2779803
(21) EP12848289.0
(47) 08.01.2020
(87) JP2012079297
16.05.2013
(22) 12.11.2012
(54) PLASMA GENERATION DEVICE FOR SUPPRESSING LOCALISED DISCHARGES
(73) Saga University
(72) MISAWA Tatsuya
HAYASHI Nobuya
(31) 2011247680
(32) 11.11.2011
(33) Japan

(51) B01J 19/10
C07D 209/80
C07D 317/70
C07D 333/56
C07D 333/76
C07D 405/14
C07D 407/04
C07D 409/04
C07D 409/14
C07D 491/14
(11) EP2583956
(21) EP12187708.8
(47) 08.01.2020
(22) 08.10.2012
(54) A method of preparation of polycyclic, fused aromatic and heteroaromatic hydrocarbons and intermediates
(73) Centrum Badan Molekularnych I Makromolekularnych Pan
(72) Balczewski,, Piotr
Bodzioch,, Agnieszka
Skalik, Joanna
(31) 39670011
(32) 19.10.2011
(33) Poland

(51) B01J 19/12
C22B 1/02
C22B 4/00
C22B 4/08
C22B 9/22
(11) EP3260559
(21) EP16708430.0
(47) 08.01.2020
(87) ES2016070049
18.08.2016
(22) 28.01.2016

(54) SELECTIVE PROCESS FOR THE EXTRACTION OF MINERALS FROM CRUDE ORES AND APPARATUS FOR CARRYING OUT THE PROCESS
(73) Innceinnmat, S.L.
(72) LOPEZ BUENDIA, Ángel Miguel
URQUIOLA, María del Mar
(31) 201530151
(32) 09.02.2015
(33) Spain

(51) B01J 19/18
C12M 1/02
C12M 1/36
(11) EP2376616
(21) EP09774816.4
(47) 08.01.2020
(87) DK2009000250
24.06.2010
(22) 11.12.2009
(54) U-SHAPE AND/OR NOZZLE U-LOOP FERMENTER AND METHOD OF FERMENTATION
(73) Unibio A/S
(72) LARSEN, Ebbe Busch
(31) 200801780
(32) 15.12.2008
(33) Denmark

(51) B01J 19/32
(11) EP3132848
(21) EP15181827.5
(47) 08.01.2020
(22) 20.08.2015
(54) STRUCTURED PACKING WITH SPECIFIC MOUNTING CLIPS
(73) Sulzer Management AG
(72) Kehrer, Florian

(51) B01J 20/02
B01J 20/06
B01J 20/28
C01B 33/14
C01B 33/158
C01D 1/02
C01F 5/02
C01F 5/06
(11) EP3305725
(21) EP16803734.9
(47) 08.01.2020
(87) KR2016005814
08.12.2016
(22) 01.06.2016
(54) METHOD FOR PREPARING METAL OXIDE-SILICA COMPOSITE AEROGEL
(73) LG Chem, Ltd.
(72) KIM, Jong Hun
LEE, Je Kyun
(31) 20150077278
(32) 01.06.2015
(33) Korea (Republic)

(51) B01J 21/04
B01J 23/88
B01J 23/882
B01J 23/888
B01J 27/185
B01J 27/188
B01J 35/10
B01J 37/02
B01J 37/10
C10G 45/08
(11) EP2925433
(21) EP13803184.4
(47) 08.01.2020
(87) FR2013052861
05.06.2014
(22) 26.11.2013
(54) CATALYST COMPRISING A CARRIER OBTAINED FROM A ALUMINA GEL AND METHOD FOR THE HYDRODESULFURATION OF A GASOLINE FRACTION FROM CATALYTIC CRACKING
(73) IFP Energies nouvelles
(72) DAUDIN, Antoine
DEVERS, Elodie
LELIAS, Marc-Antoine
(31) 1203236
(32) 29.11.2012
(33) France

(51) B01J 21/04
B01J 29/74
B01J 35/00
B01J 35/10
C10G 45/64
(11) EP3200916
(21) EP15774832.8
(47) 08.01.2020
(87) US2015051611
07.04.2016
(22) 23.09.2015
(54) HYDROISOMERIZATION CATALYST MANUFACTURED USING HIGH NANOPORE VOLUME ALUMINA SUPPORTS AND HYDROISOMERIZATION PROCESS
(73) Chevron U.S.A. Inc.
(72) ZHANG, Yihua
KRISHNA, Kamala Raghunathan
LEI, Guan-Dao
MAESEN, Theodorus Ludovicus Michael
(31) 201462057360 P
(32) 30.09.2014
(33) United States of America

(51) B01J 23/00
B01J 23/28
B01J 23/88
B01J 23/888
B01J 35/00
B01J 35/10
C07B 61/00
C07C 51/235
C07C 51/25
C07C 57/055
(11) EP2832718
(21) EP13768019.5
(47) 08.01.2020
(87) JP2013059279
03.10.2013
(22) 28.03.2013
(54) PROCESS FOR PRODUCING ACRYLIC ACID USING FIXED-BED MULTITUBULAR REACTOR
(73) Nippon Shokubai Co., Ltd.
(72) NISHIGUCHI, Toshiya
(31) 2012077490
(32) 29.03.2012
(33) Japan

(51) B01J 23/00
B01J 23/80
B01J 23/83
B01J 23/94
B01J 35/00
B01J 35/10
B01J 37/03
C10G 25/00
C10G 27/04
C10G 29/16
(11) EP2736636
(21) EP12728000.6
(47) 08.01.2020
(87) US2012041508
31.01.2013
(22) 08.06.2012
(54) METHOD FOR REMOVING SULFUR COMPOUNDS FROM GASEOUS HYDROCARBONS USING CATALYTIC COMPOSITIONS
(73) Saudi Arabian Oil Company
Boreskov Institute Of Catalysis
(72) BOURANE, Abdennour
KOSEOGLU, Omer, Refa
ISMAGILOV, Zinfer
YAHNIK, Svetlana
KERZHENTSEV, Mikhail
PARMON, Valentin
(31) 201113191939
201213491815
(32) 27.07.2011
08.06.2012
(33) United States of America
United States of America

(51) B01J 23/44
B01J 35/00
B01J 37/02
B01J 37/34
H01M 4/86
H01M 4/88
H01M 4/90
H01M 4/92
H01M 8/10
(11) EP3269447
(21) EP16761588.9
(47) 08.01.2020
(87) JP2016056353
15.09.2016
(22) 02.03.2016
(54) METHOD FOR PRODUCING CATALYST WHEREIN CATALYST PARTICLES HAVING CORE/SHELL STRUCTURE ARE SUPPORTED
(73) Tanaka Kikinzoku Kogyo K.K.
(72) MATSUTANI, Koichi
KAIEDA, Takeshi
AKIYAMA, Tomohiro
(31) 2015046360
(32) 09.03.2015
(33) Japan

(51) B01J 23/652
(11) EP2555864
(21) EP11715318.9
(47) 08.01.2020
(87) US2011000566
13.10.2011
(22) 30.03.2011
(54) CATALYST COMPOSITIONS FOR PRODUCING MIXED ALCOHOLS

(73) Dow Global Technologies LLC
(72) FERRARI, Daniela
RANE, Neelesh, J.
CHOJECKI, Adam
BUDRONI, Gerolamo
BARTON, David, G.
MCADON, Mark, H.
GULOTTY, Robert, J., Jr.
MILLAR, Dean, M.
MANIKANDAN, Palanichamy
(31) 322650 P
(32) 09.04.2010
(33) United States of America

(51) B01J 23/74
B01J 23/75
B01J 23/89
B01J 29/03
B01J 35/10
B01J 37/00
B01J 37/03
B01J 37/18
C10G 2/00
(11) EP3380230
(21) EP16794568.2
(47) 08.01.2020
(87) EP2016076881
01.06.2017
(22) 07.11.2016
(54) PROCESS FOR SYNTHESIZING HYDROCARBONS FROM SYNTHESIS GAS IN THE PRESENCE OF A COBALT-BASED CATALYST TRAPPED IN A MESOPOROUS OXIDE MATRIX AND OBTAINED FROM AT LEAST ONE MONOMERIC PRECURSOR
(73) IFP Energies nouvelles
(72) CHAUMONNOT, Alexandra
FECANT, Antoine
(31) 1561270
(32) 23.11.2015
(33) France

(51) B01J 23/74
B01J 23/75
B01J 23/89
B01J 29/03
B01J 35/10
B01J 37/00
B01J 37/03
B01J 37/18
C10G 2/00
(11) EP3380586
(21) EP16794567.4
(47) 08.01.2020
(87) EP2016076878
01.06.2017
(22) 07.11.2016
(54) METHOD FOR SYNTHESIZING HYDROCARBONS FROM A SYNGAS IN THE PRESENCE OF A COBALT CATALYST TRAPPED IN A MESOPOROUS OXIDE MATRIX AND OBTAINED FROM AT LEAST ONE COLLOIDAL PRECURSOR
(73) IFP Energies nouvelles
(72) CHAUMONNOT, Alexandra
FECANT, Antoine
(31) 1561269
(32) 23.11.2015
(33) France

(51) B01J 23/835
B01J 23/847
B01J 25/02
B01J 37/06
C07C 29/20
C07C 29/56
C07C 35/12
C22C 19/03
(11) EP3299088
(21) EP16795815.6
(47) 08.01.2020
(87) CN2016081518
24.11.2016
(22) 10.05.2016
(54) METAL COMPLEX CATALYST, PREPARATION METHOD THEREOF, AND USE THEREOF IN PREPARING D,L-MENTHOL
(73) Zhejiang NHU Company Ltd.
Zhejiang University
Shandong NHU Pharmaceutical Co., Ltd.
(72) YU, Ming
YUAN, Jintao
YU, Haidong
SHAO, Weikang
ZHANG, Yuhong
(31) 201510264486
(32) 21.05.2015
(33) China

(51) B01J 29/04
B01J 29/87
B01J 37/28
C07C 2/86
(11) EP1725329
(21) EP05724327.1
(47) 08.01.2020
(87) US2005006757
15.09.2005
(22) 02.03.2005
(54) SELECTIVE ZEOLITE CATALYST MODIFICATION
(73) Saudi Basic Industries Corporation
GHOSH, Ashim Kumar
HARVEY, Pamela
(72) GHOSH, Ashim, Kumar
HARVEY, Pamela
(31) 790948
(32) 02.03.2004
(33) United States of America

(51) B01J 29/06
B01J 35/02
C07C 2/12
(11) EP2522424
(21) EP11165275.6
(47) 08.01.2020
(22) 09.05.2011
(54) SUPPORTED NANOCATALYST FOR CONVERSION OF MONOOLEFINS, PROCESS FOR CONVERSION OF MONOOLEFINS AND PROCESS FOR PREPARING THE NANOCATALYST
(73) King Abdulaziz City for Science and Technology
(72) Al-Kinany, Mohammed Chafik
Al-Khowaiter, Soliman
Al-Drees, Saud
Alshehry, Feras
Al-Rasheed, Rasheed

(51) B01J 29/50
C01B 39/02
C01B 39/30
(11) EP3442906
(21) EP17703612.6
(47) 08.01.2020
(87) US2017015026
19.10.2017
(22) 26.01.2017
(54) SYNTHESIS OF MOLECULAR SIEVE SSZ-98
(73) Chevron U.S.A. Inc.
(72) XIE, Dan
(31) 201662321251 P
(32) 12.04.2016
(33) United States of America

(51) B01J 29/70
B01J 29/72
B01J 29/74
B01J 35/00
B01J 35/02
B01J 35/10
B01J 37/00
B01J 37/06
C01B 39/02
C01B 39/48
C07C 5/27
C07C 15/08
(11) EP3027312
(21) EP14745194.2
(47) 08.01.2020
(87) FR2014051671
05.02.2015
(22) 30.06.2014
(54) MODIFICATION OF EUO TYPE ZEOLITE AND USE THEREOF IN ISOMERIZATION OF AROMATIC C8 COMPOUNDS
(73) IFP Energies nouvelles
(72) LAGAUCHE, Matthieu
BRANDHORST, Laure
BOUCHY, Christophe
(31) 1357715
(32) 02.08.2013
(33) France

(51) B01J 29/70
B01J 29/72
B01J 35/00
B01J 37/00
B01J 37/04
B01J 37/08
B01J 37/10
C01B 39/06
C01B 39/12
C01B 39/46
C01B 39/48
C07C 2/12
C10G 25/03
C10G 45/12
C10G 47/16
C10G 50/00
(11) EP3317235
(21) EP16818533.8
(47) 08.01.2020
(87) US2016039513
05.01.2017
(22) 27.06.2016

(54) HYDROCARBON CONVERSION USING UZM-53
(73) UOP LLC
(72) NICHOLAS, Christopher P.
MILLER, Mark A.
(31) 201562186924 P
(32) 30.06.2015
(33) United States of America

(51) B01J 31/18
B01J 31/22
B01J 31/38
C01G 25/00
C08L 83/04
C08L 101/10
(11) EP2753663
(21) EP12772832.7
(47) 08.01.2020
(87) US2012053819
14.03.2013
(22) 06.09.2012
(54) ZIRCONIUM CONTAINING COMPLEX AND CONDENSATION REACTION CATALYSTS, METHODS FOR PREPARING THE CATALYSTS, AND COMPOSITIONS CONTAINING THE CATALYSTS
(73) Dow Silicones Corporation
(72) BRANDSTADT, Kurt
COOK, Simon
DIAMOND, Gary
HALL, Keith
LOWER, Loren
SURGENOR, Avril
TAYLOR, Richard
TONGE, James
TZOU, Ming-Shin
(31) 201161531706 P
(32) 07.09.2011
(33) United States of America

(51) B01J 39/20
C08F 2/48
C08F 220/02
C08J 5/22
B01J 47/12
(11) EP3192816
(21) EP15840155.4
(47) 08.01.2020
(87) JP2015072616
17.03.2016
(22) 10.08.2015
(54) COMPOSITION FOR FORMING POLYMERIC FUNCTIONAL MEMBRANE, POLYMERIC FUNCTIONAL MEMBRANE AND PRODUCTION PROCESS THEREFOR, SEPARATION MEMBRANE MODULE, AND ION EXCHANGER
(73) Fujifilm Corporation
(72) INOUE Kazuomi
(31) 2014185064
2015005674
(32) 11.09.2014
15.01.2015
(33) Japan
Japan

(51) B01L 3/00
(11) EP2558204
(21) EP11724436.8
(47) 08.01.2020
(87) GB2011050749
20.10.2011
(22) 14.04.2011
(54) ASSAY APPARATUS INCORPORATING A MICROFLUIDIC CHANNEL AND ASSAY METHOD
(73) MIDS Medical Limited
(72) MITCHELL, Andrew
DJENNATI, Nasser
(31) 201006203
(32) 14.04.2010
(33) United Kingdom

(51) B01L 3/00
(11) EP2678107
(21) EP12706881.5
(47) 08.01.2020
(87) GB2012000192
30.08.2012
(22) 24.02.2012
(54) FLUIDICS APPARATUS FOR SURFACE ACOUSTIC WAVE MANIPULATION OF FLUID SAMPLES, USE OF FLUIDICS APPARATUS AND PROCESS FOR THE MANUFACTURE OF FLUIDICS APPARATUS
(73) The University Court Of The University Of Glasgow
(72) WILSON, Rab
COOPER, Jonathan, M.
REBOUD, Julien
(31) 201103211
(32) 24.02.2011
(33) United Kingdom

(51) B01L 3/00
B29C 49/00
B29L 31/14
F16K 7/06
F16K 7/12
B01L 99/00
(11) EP2874748
(21) EP13770973.9
(47) 08.01.2020
(87) IB2013055925
30.01.2014
(22) 18.07.2013
(54) CIRCUIT FOR BIOLOGICAL LIQUID COMPRISING A PINCH VALVE
(73) EMD Millipore Corporation
(72) TUCCELLI, Ronald
CIROU, Sébastien
BUISSON, Virginie
ABOUAYAD EL IDIRISSI, Christine
KELLY, Jim
(31) 1257127
(32) 23.07.2012
(33) France

(51) B01L 3/00
C01B 33/025
C01G 7/00
C01G 35/00
G01N 33/553
G01N 35/08
(11) EP3317670
(21) EP16888456.7
(47) 08.01.2020
(87) US2016015550
03.08.2017
(22) 29.01.2016
(54) GOLD SENSOR
(73) Hewlett-Packard Development Company, L.P.
(72) BENGALI, Sadiq
GIRI, Manish

(51) B01L 3/00
C12Q 1/04
G01N 33/50
(11) EP3209790
(21) EP15807695.0
(47) 08.01.2020
(87) IB2015058034
28.04.2016
(22) 19.10.2015
(54) MICROFLUIDIC DEVICE, SYSTEM AND METHOD FOR THE STUDY OF ORGANISMS
(73) Ecole Polytechnique Fédérale de Lausanne (EPFL)
(72) CORNAGLIA, Matteo
GIJS, Martin
MIGLIOZZI, Daniel
(31) PCT/IB2014/065472
(32) 20.10.2014
(33) World Intellectual Property Office (WIPO)

(51) B01L 3/00
G01N 1/38
G01N 1/40
(11) EP3329993
(21) EP17201125.6
(47) 08.01.2020
(22) 10.11.2017
(54) SAMPLE VESSEL FOR ACCOMMODATING SMALL VOLUMES OF LIQUID SAMPLES
(73) PVA TePla AG
(72) Beikler, Robert
(31) 102016014457
(32) 05.12.2016
(33) Germany

(51) B01L 3/00
G01N 15/00
G01N 15/10
G01N 15/14
G01N 21/17
G01N 21/64
G01N 35/00
(11) EP2291637
(21) EP09749880.2
(47) 08.01.2020
(87) EP2009056162
26.11.2009
(22) 20.05.2009
(54) METHOD AND DEVICE FOR MEASURING THERMO-OPTICAL CHARACTERISTICS OF PARTICLES IN A SOLUTION
(73) NanoTemper Technologies GmbH
(72) DUHR, Stefan
BAASKE, Philiipp
BRAUN, Dieter
JENS WIENKEN, Christoph
(31) 08009275
(32) 20.05.2008
(33) European Patent Office (EPO)

(51) B01L 3/00
G01N 21/01

G01N 33/28
(11) EP3532841
(21) EP17783386.0
(47) 08.01.2020
(87) EP2017000917
03.05.2018
(22) 28.07.2017
(54) SAMPLE RECEIVING ELEMENT, ANALYSES SET AND METHOD FOR ANALYZING A LIQUID, IN PARTICULAR A COOLING LUBRICANT EMULSION
(73) Fuchs Petrolub SE
(72) FUCHS, Christine
THEIS, Heinz Gerhard
(31) 16002281
(32) 26.10.2016
(33) European Patent Office (EPO)

(51) B01L 3/00
G01N 21/64
G01N 21/77
C12Q 1/6825
C12Q 1/6869
C12Q 1/6874
(11) EP3068900
(21) EP14809194.5
(47) 08.01.2020
(87) US2014066014
21.05.2015
(22) 17.11.2014
(54) ACTIVE-SOURCE-PIXEL, INTEGRATED DEVICE FOR RAPID ANALYSIS OF BIOLOGICAL AND CHEMICAL SPECIMENTS
(73) Quantum-Si Incorporated
(72) ROTHBERG, Jonathan M.
KABIRI, Ali
SICKLER, Jason W.
GYARFAS, Brett J.
LACKEY, Jeremy
SCHMID, Gerard
(31) 201361905282 P
201361917926 P
201461941916 P
(32) 17.11.2013
18.12.2013
19.02.2014
(33) United States of America
United States of America
United States of America

(51) B01L 3/00
G01N 21/64
G01N 21/77
C12Q 1/6869
C12Q 1/6874
(11) EP3074531
(21) EP14812050.4
(47) 08.01.2020
(87) US2014066010
21.05.2015
(22) 17.11.2014
(54) OPTICAL SYSTEM AND ASSAY CHIP FOR PROBING, DETECTING AND ANALYZING MOLECULES
(73) Quantum-Si Incorporated
(72) ROTHBERG, Jonathan M.
KABIRI, Ali
SICKLER, Jason W.
GYARFAS, Brett J.
LACKEY, Jeremy
SCHMID, Gerard
CIPRIANY, Benjamin
JEWELL, Jack
WEST, Lawrence
FERRIGNO, Michael
GLENN, Paul E.
COHEN, Adam E.
BELLOFIORE, Anthony
(31) 201361905282 P
201361917926 P
201461941916 P
(32) 17.11.2013
18.12.2013
19.02.2014
(33) United States of America
United States of America
United States of America

(51) B01L 3/00
G01N 33/50
G01N 35/10
(11) EP3444033
(21) EP17186921.7
(47) 08.01.2020
(22) 18.08.2017
(54) CARTRIDGE FOR CHEMICAL OR BIOLOGICAL ASSAYS
(73) CTC Analytics AG
(72) YANEZ, Antonio Lorenzo
MOUCHET, Marc
RODONI, Michele
JERMANN, Thomas
ZUMBACH, Melchior

(51) B01L 3/00
G01N 33/52
(11) EP3028765
(21) EP15195010.2
(47) 08.01.2020
(22) 31.01.2006
(54) METHOD OF SEQUENTIALLY TRANSFERRING LIQUIDS THROUGH A LATERAL FLOW CAPILLARY DEVICE
(73) Realbio Technologies Ltd.
(72) ALAJEM, Sara
REINHARTZ, Avraham
(31) 647774 P
(32) 31.01.2005
(33) United States of America

(51) B01L 3/00
G02B 21/34
(11) EP3095517
(21) EP15168837.1
(47) 08.01.2020
(22) 22.05.2015
(54) SAMPLE CARRIER WITH A REFERENCE STRUCTURE AND METHOD FOR PRODUCING A SAMPLE CARRIER WITH A REFERENCE STRUCTURE
(73) ibidi GmbH
Technische Universität Chemnitz
(72) ENDERLEIN, Tom
PHAM, Trung

(51) B01L 3/02
B01L 9/00
(11) EP2958675
(21) EP14754819.2
(47) 08.01.2020
(87) US2014017409
28.08.2014
(22) 20.02.2014
(54) PIPETTE TIP RACK BASE
(73) Biotix, Inc.
(72) MOTADEL, Arta
HAIRFIELD, Phillip Chad
BLASZCAK, Peter Paul
(31) 201313773505
(32) 21.02.2013
(33) United States of America

(51) B01L 3/02
G01N 35/08
G01N 35/10
(11) EP3248018
(21) EP16740872.3
(47) 08.01.2020
(87) US2016014612
28.07.2016
(22) 22.01.2016
(54) DEVICES AND SYSTEMS FOR MOLECULAR BARCODING OF NUCLEIC ACID TARGETS IN SINGLE CELLS
(73) Becton, Dickinson and Company
(72) LI, Sixing
HUANG, Xiaohua, Chen
METZLER, Kimberly, R.
WALCZAK, Elisabeth, Marie
FAN, Christina
FODOR, Stephen, P., A.
FU, Glenn
FACER, Geoff
STERN, David
LAI, Janice
CHANEY, Ari
SPUHLER, Philipp
(31) 201562106680 P
201562121361 P
201562217274 P
(32) 22.01.2015
26.02.2015
11.09.2015
(33) United States of America
United States of America
United States of America

(51) B01L 7/00
C12M 1/36
C12Q 3/00
G01N 35/00
(11) EP3066222
(21) EP14860018.2
(47) 08.01.2020
(87) US2014064092
14.05.2015
(22) 05.11.2014
(54) INDUCTION PCR
(73) BioFire Diagnostics, LLC
University of Utah Research Foundation
(72) JONES, David
WITTWER, Carl T.
(31) 201361900329 P
(32) 05.11.2013
(33) United States of America

(51) B02C 4/06
B02C 4/28
B02C 4/38
B02C 4/40

B02C 23/08
(11) EP3360613
(21) EP18154808.2
(47) 08.01.2020
(22) 02.02.2018
(54) DEVICE FOR FLOCKING OR CRUSHING FOOD CEREALS
(73) Treffler Maschinenbau GmbH & Co. KG
(72) TREFFLER, Paul Christian
(31) 202017100720 U
(32) 10.02.2017
(33) Germany

(51) B02C 18/00
D21B 1/32
D21B 1/34
(11) EP3394338
(21) EP17701484.2
(47) 08.01.2020
(87) EP2017051505
10.08.2017
(22) 25.01.2017
(54) APPARATUS AND METHOD FOR PROCESSING A ROPE FORMED IN A PULPER
(73) MERI Environmental Solutions GmbH
(72) MENKE, Lucas
WÜNSCHE, Gisbert
(31) 102016101712
(32) 01.02.2016
(33) Germany

(51) B03B 5/02
B03B 9/06
B29B 17/02
B29K 105/06
(11) EP3436226
(21) EP17713028.3
(47) 08.01.2020
(87) EP2017057271
05.10.2017
(22) 28.03.2017
(54) METHOD FOR WASHING AND SEPARATING PIECES OF PLASTICS MATERIAL, AND WASHING AND SEPARATING GROUP FOR PIECES OF PLASTICS
(73) Previero N. S.r.l.
(72) PREVIERO, Flavio
(31) UA20162088
(32) 29.03.2016
(33) Italy

(51) B03B 9/06
B29B 17/00
(11) EP3411153
(21) EP17705966.4
(47) 08.01.2020
(87) NL2017050063
10.08.2017
(22) 01.02.2017
(54) PROCESS FOR PREPARING AUTOMOTIVE SHREDDER FIBRE RESIDUE PELLETS
(73) Arn Holding B.V.
(72) VAN DE GREEF, Johannes Hendricus Theodorus
VAN DER LEEUW, Ronald Hendrik Peter Albert
VERBURG, Allard Sirach
(31) 2016193
(32) 01.02.2016
(33) Netherlands

(51) B03C 1/033
B03C 1/23
B03C 1/24
B03C 1/247
B07C 5/344
(11) EP3165293
(21) EP15814598.7
(47) 08.01.2020
(87) JP2015056456
07.01.2016
(22) 05.03.2015
(54) EDDY CURRENT SELECTION DEVICE AND EDDY CURRENT SELECTION METHOD
(73) Mitsubishi Electric Corporation
(72) TSUTSUI, Tomohiro
(31) 2014137349
(32) 03.07.2014
(33) Japan

(51) B04C 5/04
B08B 15/00
(11) EP3431198
(21) EP18182534.0
(47) 08.01.2020
(22) 09.07.2018
(54) CYCLONIC SYSTEM FOR A MILLING MACHINE IN MICROGRAVITY
(73) Aurora Flight Sciences Corporation
(72) DICHTER, Daniel W.
GRIFFIN, Riley
KALGHATGI, Roshan
McNEE, Scott
(31) 201715648222
(32) 12.07.2017
(33) United States of America

(51) B05B 7/24
B05B 12/00
(11) EP3065877
(21) EP14800159.7
(47) 08.01.2020
(87) NL2014050763
07.05.2015
(22) 04.11.2014
(54) PARTLY DISPOSABLE PLUG&SPRAY SYSTEM FOR A TWO COMPONENT ADHESIVE
(73) Strongbond B.V.
(72) ZAARBELINK, Antonius Wilhelmus
(31) 2011724
(32) 04.11.2013
(33) Netherlands

(51) B05B 12/24
(11) EP3065881
(21) EP14809668.8
(47) 08.01.2020
(87) GB2014053284
07.05.2015
(22) 04.11.2014
(54) MASKING TAPE
(73) JTape Ltd
(72) JEVONS, Oliver
(31) 201319408
(32) 04.11.2013
(33) United Kingdom

(51) B05B 13/02
B05C 5/02
B05C 13/02
B21D 51/46
B29C 31/04
(11) EP3351311
(21) EP17173139.1
(47) 08.01.2020
(22) 26.05.2017
(54) SEALANT LINER APPLICATOR WITH VACUUM CHUCK
(73) Custom Machining Corporation
(72) Ross, Allan
Buck, Frank
(31) 201715409363
(32) 18.01.2017
(33) United States of America

(51) B05B 16/00
B05B 16/60
F24F 11/30
F24F 11/62
F24F 110/10
F24F 110/12
F24F 110/20
F24F 110/22
(11) EP3335803
(21) EP17201897.0
(47) 08.01.2020
(22) 15.11.2017
(54) APPARATUS AND METHOD FOR CONTROLLING AIR CONDITIONING SYSTEM FOR AUTOMOTIVE BODY PAINTING
(73) Hyundai Motor Company
Kia Motors Corporation
(72) JANG, Kyung Mo
(31) 20160171735
(32) 15.12.2016
(33) Korea (Republic)

(51) B05C 5/00
B05D 1/26
(11) EP2143503
(21) EP08720654.6
(47) 08.01.2020
(87) JP2008000787
23.10.2008
(22) 28.03.2008
(54) LIQUID MATERIAL DISCHARGE DEVICE AND LIQUID MATERIAL DISCHARGE METHOD
(73) Musashi Engineering, Inc.
(72) IKUSHIMA, Kazumasa
(31) 2007094672
(32) 30.03.2007
(33) Japan

(51) B05C 17/005
(11) EP3188847
(21) EP15756421.2
(47) 08.01.2020
(87) EP2015069892
10.03.2016
(22) 01.09.2015
(54) APPLICATION DEVICE FOR APPLYING GEL-TYPE AND/OR PASTY COMPOSITIONS AND APPLICATION SYSTEM FOR SUCH AN APPLICATION DEVICE
(73) Sika Technology AG
(72) RUHSTALLER, Michael

SCHULTHEISS, Christian
BUCK, Manuel
(31) 14183246
(32) 02.09.2014
(33) European Patent Office (EPO)

(51) B05C 19/00
B60J 5/04
E05C 17/04
E05C 17/20
E05F 5/00
(11) EP3167133
(21) EP15819517.2
(47) 08.01.2020
(87) CA2015050572
14.01.2016
(22) 22.06.2015
(54) IMPROVED CONSTRUCTION FOR CHECK ARM KEEPER FOR CHECK ARM ASSEMBLY FOR VEHICLE DOOR
(73) Warren Industries Ltd.
(72) FREEDMAN, David
MOERMAN, John
SAUERWEIN, Sven
(31) 201462022534 P
(32) 09.07.2014
(33) United States of America

(51) B05D 3/02
B05D 3/04
B05D 3/12
B05D 5/06
B05D 5/08
(11) EP3240639
(21) EP15832809.6
(47) 08.01.2020
(87) FR2015053691
07.07.2016
(22) 21.12.2015
(54) METHOD FOR DECORATING A KITCHEN ITEM BY MECHANICAL TREATMENT
(73) SEB S.A.
(72) DUBANCHET, Aurélien
CAILLIER, Laurent
BUFFAULT, Germain
(31) 1463442
(32) 30.12.2014
(33) France

(51) B05D 3/02
B05D 5/12
B05D 7/14
C08K 3/22
C08K 3/36
C09D 5/00
C21D 8/12
C23C 22/68
H01F 1/18
C09D 7/40
C09D 7/63
(11) EP3282039
(21) EP16776288.9
(47) 08.01.2020
(87) JP2016001916
13.10.2016
(22) 05.04.2016
(54) ELECTROMAGNETIC STEEL SHEET WITH INSULATING FILM
(73) JFE Steel Corporation
(72) MURAMATSU, Naoki
NAKAGAWA, Nobuko
SASHI, Kazumichi
TADA, Chiyoko
(31) 2015078592
(32) 07.04.2015
(33) Japan

(51) B05D 7/00
(11) EP3083079
(21) EP14800047.4
(47) 08.01.2020
(87) EP2014074975
25.06.2015
(22) 19.11.2014
(54) METHOD FOR PRODUCING A MULTILAYER COATING
(73) BASF Coatings GmbH
(72) REUTER, Hardy
STEINMETZ, Bernhard
BLOHM, Matthias
TEICHMANN, Carsten
GÖB, Bianca
(31) 13197973
(32) 18.12.2013
(33) European Patent Office (EPO)

(51) B06B 1/06
H04M 1/03
(11) EP2822297
(21) EP12870191.9
(47) 08.01.2020
(87) JP2012068968
06.09.2013
(22) 26.07.2012
(54) PIEZOELECTRIC VIBRATION ELEMENT, PIEZOELECTRIC VIBRATION APPARATUS, AND MOBILE TERMINAL
(73) Kyocera Corporation
(72) FUJII,Yasuhito
IWASAKI,Satoru
HAYASHI,Harumi
YAMAKAWA,Kenji
(31) 2012041730
(32) 28.02.2012
(33) Japan

(51) B06B 3/00
G10K 11/24
(11) EP2324933
(21) EP10187092.1
(47) 08.01.2020
(22) 11.10.2010
(54) Coupling element of a sensor of an ultrasound flow measuring device
(73) Endress+Hauser Flowtec AG
(72) Berger, Andreas
Wandeler, Frank
Wiest, Achim
Berger, Andreas
(31) 102009046862
(32) 19.11.2009
(33) Germany

(51) B07C 3/00
(11) EP3393681
(21) EP16804831.2
(47) 08.01.2020
(87) FR2016052875
29.06.2017
(22) 07.11.2016
(54) POSTSORTIEREINRICHTUNG MIT EINEM SCHIEFWINKLIGEN ZWISCHENBEHÄLTERWENDER
(73) Solystic
(72) PELLEGRIN, Laurent
DE SOUSA, Olivier
DUBOSCQ, Jérémy
(31) 1563311
(32) 24.12.2015
(33) France

(51) B07C 3/00
(11) EP3393682
(21) EP16804832.0
(47) 08.01.2020
(87) FR2016052876
29.06.2017
(22) 07.11.2016
(54) POSTAL SORTING EQUIPMENT COMPRISING A DESTACKER IN THE FORM OF A FORK AND HAVING A MOBILE LIFTING SECTION
(73) Solystic
(72) DE SOUSA, Olivier
DUBOSCQ, Jérémy
(31) 1563312
(32) 24.12.2015
(33) France

(51) B08B 1/04
B60S 3/04
(11) EP3368384
(21) EP16797759.4
(47) 08.01.2020
(87) EP2016075785
04.05.2017
(22) 26.10.2016
(54) APPARATUS FOR CLEANING OBJECTS, IN PARTICULAR TWO-WHEEL VEHICLES
(73) Kumar, Sachin
(72) Kumar, Sachin
(31) 102015118371
102016102020
102016111486
(32) 28.10.2015
16.04.2016
22.06.2016
(33) Germany
Germany
Germany

(51) B08B 7/00
B29C 33/02
B29C 33/72
B29C 35/02
B29D 30/06
B29L 30/00
B23K 26/00
B23K 26/36
(11) EP3141367
(21) EP15789593.9
(47) 08.01.2020
(87) JP2015063335
12.11.2015
(22) 08.05.2015
(54) MOLD CLEANING SYSTEM
(73) The Yokohama Rubber Co., Ltd.
(72) MATSUMURA, Kensuke
WATANABE, Masayuki
MIYAZAKI, Yusaku

(31) 2014097993
(32) 09.05.2014
(33) Japan

(51) B08B 7/02
(11) EP3386653
(21) EP16808608.0
(47) 08.01.2020
(87) EP2016079902
15.06.2017
(22) 06.12.2016
(54) METHOD FOR ASSISTING THE SLIDING OF AT LEAST ONE DROP ON A SUPPORT
(73) Université de Lille
Centre National de la Recherche Scientifique (CNRS)
Ecole Centrale De Lille
(72) BUSSONNIERE, Adrien
BOU MATAR-LACAZE, Olivier
BAUDOIN, Michaël
BRUNET, Philippe
(31) 1562067
(32) 09.12.2015
(33) France

(51) B08B 9/42
B65D 1/38
C03C 21/00
C03C 23/00
(11) EP3164370
(21) EP15750517.3
(47) 08.01.2020
(87) US2015042012
11.02.2016
(22) 24.07.2015
(54) MAGAZINE APPARATUSES FOR HOLDING GLASS ARTICLES DURING PROCESSING
(73) Corning Incorporated
(72) WETHERILL, Todd Marshall
(31) 201462034823 P
(32) 08.08.2014
(33) United States of America

(51) B09B 1/00
B32B 5/02
B32B 5/16
B32B 5/24
B32B 19/06
E02B 3/12
E02D 3/00
E02D 31/00
D04H 5/00
(11) EP3321081
(21) EP16386014.1
(47) 08.01.2020
(22) 01.08.2016
(54) GEOSYNTHETIC REACTIVE CLAY (GRC) HAVING AN ATTAPULGITE CLAY CORE FOR THE CAPPING OR CONTAINMENT OF CONTAMINATED SOIL
(73) Thrace Nonwovens & Geosynthetics S.A.
(72) KOLLIOS, Anastasios
ZOTIADIS, Vasileios
(31) 20150100372
(32) 25.08.2015
(33) Greece

(51) B21B 1/22
B21B 1/26
B21B 15/00
B21B 37/72
B21C 47/18
(11) EP3381577
(21) EP16868476.9
(47) 08.01.2020
(87) JP2016084269
01.06.2017
(22) 18.11.2016
(54) HOT-ROLLED STEEL SHEET AND METHOD FOR MANUFACTURING SAME
(73) JFE Steel Corporation
(72) GOTO Hiroto
KIMURA Yukio
UEOKA Satoshi
NISHIURA Nobuo
SHIRASAKI Sonomi
(31) 2015229755
(32) 25.11.2015
(33) Japan

(51) B21B 1/22
B21B 27/10
B21B 45/02
(11) EP3473346
(21) EP17841289.6
(47) 08.01.2020
(87) JP2017023155
22.02.2018
(22) 23.06.2017
(54) METHOD FOR COLD ROLLING STEEL SHEET, AND METHOD FOR MANUFACTURING STEEL SHEET
(73) JFE Steel Corporation
(72) MATSUBARA Yukihiro
FUKUSHIMA Tatsuhito
NAGAI Yuu
(31) 2016160977
(32) 19.08.2016
(33) Japan

(51) B21B 38/02
(11) EP3487642
(21) EP18721023.2
(47) 08.01.2020
(87) EP2018060633
01.11.2018
(22) 25.04.2018
(54) METHOD AND DEVICE FOR ASCERTAINING THE FLATNESS OF STRIP MATERIAL, AND MACHINING SYSTEM COMPRISING SUCH A DEVICE
(73) Muhr und Bender KG
(72) EICHNER, Harald
PRITZ, Stephan
FELDMANN, Andre
MUNDHENKE, Richard
(31) 102017108786
(32) 25.04.2017
(33) Germany

(51) B21B 38/02
G01B 11/30
(11) EP2910893
(21) EP15000528.8
(47) 08.01.2020
(22) 24.02.2015
(54) DEVICE AND METHOD FOR DETERMINING VARIATIONS IN FLATNESS WHEN HANDLING A MATERIAL IN THE FORM OF A STRIP
(73) VDEh-Betriebsforschungsinstitut GmbH
(72) Krambeer, Hagen
Brandenburger, Jens
Müller, Ulrich, Dr.
Sonnenschein, Detlef
Tacke, Andreas
(31) 102014002454
(32) 25.02.2014
(33) Germany

(51) B21C 23/06
B21C 25/08
(11) EP2572809
(21) EP11783742.7
(47) 08.01.2020
(87) KR2011003617
24.11.2011
(22) 17.05.2011
(54) ASYMMETRIC EXTRUDING METHOD AND ASYMMETRIC EXTRUDING DEVICE
(73) Gangneung-Wonju National University Industry Academy Cooperation Group
(72) JEONG, Hyo-Tae
CHOE, Byung-Hak
(31) 20100046224
(32) 18.05.2010
(33) Korea (Republic)

(51) B21D 7/024
B21D 7/06
(11) EP3186020
(21) EP15754245.7
(47) 08.01.2020
(87) EP2015069640
03.03.2016
(22) 27.08.2015
(54) A BENDING MACHINE
(73) Keeling, Mark
(72) Keeling, Mark
(31) 14182625
(32) 28.08.2014
(33) European Patent Office (EPO)

(51) B21D 22/20
C21D 1/18
C21D 1/76
C21D 9/00
C21D 9/46
C22C 38/00
C22C 38/06
C22C 38/58
C23C 2/02
C23C 2/06
C23C 2/28
(11) EP2843077
(21) EP13781200.4
(47) 08.01.2020
(87) JP2013061951
31.10.2013
(22) 23.04.2013
(54) METHOD FOR PRODUCING GALVANIZED STEEL SHEET FOR HOT STAMPING, ALLOYED HOT-DIPPED GALVANIZED STEEL SHEET FOR HOT STAMPING AND THE USE
(73) Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)
(72) KOJIMA, Takeshi

IRIE, Hiroshi
MINOWA, Takeshi
(31) 2012098035
2013011424
(32) 23.04.2012
24.01.2013
(33) Japan
Japan

(51) B21D 22/26
B21D 53/88
(11) EP3296033
(21) EP16792711.0
(47) 08.01.2020
(87) JP2016063976
17.11.2016
(22) 11.05.2016
(54) PRESS MOLDING DEVICE AND PRESS MOLDING METHOD
(73) Nippon Steel Corporation
(72) OGAWA Misao
ITOH Masaru
SUZUKI Toshiya
TANOUE Hiroyuki
TANAKA Yasuharu
(31) 2015096908
(32) 11.05.2015
(33) Japan

(51) B21D 25/00
F16C 29/00
(11) EP3145655
(21) EP15727911.8
(47) 08.01.2020
(87) EP2015061445
26.11.2015
(22) 22.05.2015
(54) DEVICE IN THE FORM OF A PISTON UNIT AND METHOD OF USING IT
(73) SMS group GmbH
(72) HÜSGEN, David
HOPPENKAMPS, Nikolaus
(31) 102014209804
(32) 22.05.2014
(33) Germany

(51) B21D 39/04
(11) EP3106242
(21) EP16174765.4
(47) 08.01.2020
(22) 16.06.2016
(54) PRODUCTION ASSEMBLY FOR CONNECTING PIPES
(73) Henn GmbH & Co KG.
(72) MOOSBRUGGER, Christian
(31) 505132015
(32) 18.06.2015
(33) Austria

(51) B21D 39/06
F01L 1/047
F16H 53/02
(11) EP3387224
(21) EP16802086.5
(47) 08.01.2020
(87) EP2016079177
15.06.2017
(22) 30.11.2016
(54) METHOD FOR PERMANENTLY FASTENING CAMS ON A CARRIER TUBE
(73) ThyssenKrupp Presta TecCenter AG
thyssenkrupp AG
(72) MUSTER, Manfred
ROGATSCH, Thomas
LUGAUER, Gunther Martin
(31) 102015224905
(32) 10.12.2015
(33) Germany

(51) B21D 41/02
B21H 1/00
F16L 21/06
F16L 23/04
(11) EP3072605
(21) EP14862470.3
(47) 08.01.2020
(87) JP2014080379
21.05.2015
(22) 17.11.2014
(54) FORM ROLLING METHOD FOR FLUID DELIVERY PIPE JOINT SECTION
(73) NIPPON STEEL NISSHIN CO., LTD.
(72) NISHIJIMA, Shinnosuke
NISHIO, Katsuhide
ANDO, Akihiro
TOMIMURA, Kouki
(31) 2013237514
2014232025
(32) 18.11.2013
14.11.2014
(33) Japan
Japan

(51) B21D 41/02
B25B 1/02
B25B 1/20
B25B 1/24
B25B 27/10
(11) EP3334569
(21) EP16751533.7
(47) 08.01.2020
(87) EP2016068373
16.02.2017
(22) 02.08.2016
(54) DEVICE FOR APPLYING A PRESSING FORCE, AND PAIR OF PRESSING JAWS
(73) Gustav Klauke GmbH
(72) FRENKEN, Egbert
BOBOWICZ, Roman
(31) 102015113116
102015119734
(32) 10.08.2015
16.11.2015
(33) Germany
Germany

(51) B21D 43/00
B21D 43/28
B65G 47/08
(11) EP3423206
(21) EP17718401.7
(47) 08.01.2020
(87) IB2017051167
08.09.2017
(22) 28.02.2017
(54) METHOD AND APPARATUS FOR AUTOMATICALLY FEEDING ELEMENTS OF ELONGATED SHAPE
(73) Schnell S.p.A.
(72) RUPOLI, Simone
(31) UB20161172
(32) 29.02.2016
(33) Italy

(51) B21D 47/01
B23P 15/00
E04B 1/24
E04B 2/96
E04C 3/00
E04C 3/04
E04C 3/07
E04C 3/09
E04C 3/38
E04C 3/40
(11) EP3379001
(21) EP17162323.4
(47) 08.01.2020
(22) 22.03.2017
(54) ARBITRARILY CURVED SUPPORT STRUCTURE
(73) Marte and Marte Limited
Zweigniederlassung Österreich
(72) SUMMER, Marcel

(51) B21D 47/01
E04C 3/07
E04C 3/09
(11) EP3068958
(21) EP13791817.3
(47) 08.01.2020
(87) EP2013073964
21.05.2015
(22) 15.11.2013
(54) METHOD FOR PRODUCING A REINFORCED PROFILE ELEMENT
(73) Knauf Gips KG
(72) TOLLERVEY, Paul

(51) B21J 5/02
B21J 9/02
B21K 3/04
(11) EP3028787
(21) EP15193781.0
(47) 08.01.2020
(22) 10.11.2015
(54) A FORGING APPARATUS AND METHOD
(73) Rolls-Royce plc
(72) McElroy, Graeme
(31) 201421669
(32) 05.12.2014
(33) United Kingdom

(51) B21J 9/00
B21J 9/02
B21K 25/00
B21K 27/02
B21K 27/06
(11) EP3147044
(21) EP15796785.2
(47) 08.01.2020
(87) KR2015005031
26.11.2015
(22) 20.05.2015
(54) METHOD AND APPARATUS FOR FORGING HETEROGENEOUS MATERIAL
(73) Bumchun Precision Co., Ltd.
(72) GO, Si Jin
(31) 20140060197
(32) 20.05.2014
(33) Korea (Republic)

(51) B22C 9/02

B22C 9/08
B22D 18/04
B22D 27/13
(11) EP3112049
(21) EP14883612.5
(47) 08.01.2020
(87) JP2014083773
03.09.2015
(22) 19.12.2014
(54) METHOD FOR PRODUCING CAST ARTICLE AND BREATHABLE MOLD
(73) Hitachi Metals, Ltd.
(72) WANG Lin
FUJII Yoshimasa
IWANAGA Toru
(31) 2014037839
2014075070
(32) 28.02.2014
01.04.2014
(33) Japan
Japan

---

(51) B22D 7/00
B22D 9/00
B22D 11/00
B22D 11/049
B22D 11/103
B22D 11/18
B22D 18/04
B22D 35/04
(11) EP3317033
(21) EP16821706.5
(47) 08.01.2020
(87) NO2016000017
12.01.2017
(22) 23.05.2016
(54) EQUIPMENT FOR CONTINUOUS OR SEMI-CONTINUOUS CASTING OF METAL WITH IMPROVED METAL FILLING ARRANGEMENT
(73) Norsk Hydro ASA
(72) Røen, Geir Atle
SJØLSET, Daniel Anders
HÅKONSEN, Arild
LEDAL, Rune
HAFSÅS, John Erik
TUNDAL, Ulf Håkon
(31) 20150869
(32) 03.07.2015
(33) Norway

---

(51) B22D 11/00
B22D 11/12
C21D 8/02
C21D 9/46
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/18
C22C 38/20
C22C 38/22
C22C 38/24
C22C 38/26
C22C 38/28
C22C 38/32
C22C 38/38
C22C 38/40
C22C 38/50
C22C 38/54
(11) EP3446808
(21) EP16899332.7
(47) 08.01.2020
(87) JP2016002099
26.10.2017
(22) 19.04.2016
(54) ABRASION-RESISTANT STEEL PLATE AND METHOD FOR PRODUCING ABRASION-RESISTANT STEEL PLATE
(73) JFE Steel Corporation
(72) TERAZAWA, Yusuke
TAKAYAMA, Naoki
HAYASHI, Kenji
HASE, Kazukuni

---

(51) B22D 11/16
(11) EP3398699
(21) EP18167470.6
(47) 08.01.2020
(22) 16.04.2018
(54) METHOD FOR SETTING THE TAPER OF A CASTING MOLD IN A CONTINUOUS CASTER AND APPARATUS FOR A CONTINUOUS CASTER
(73) SMS Group GmbH
(72) Krasilnikov, Artemy
Fanghänel, Felix Max
(31) 102017207374
102017213067
(32) 03.05.2017
28.07.2017
(33) Germany
Germany

---

(51) B22D 11/16
(11) EP3488948
(21) EP18198707.4
(47) 08.01.2020
(22) 04.10.2018
(54) METHOD FOR ANALYSING CAUSES OF ERRORS IN CONTINUOUS CASTING
(73) SMS Group GmbH
(72) Erdem-Hornauer, Esra
Heimann, Thomas
Hönig, Michael
Plociennik, Uwe
Grafe, Uwe
(31) 102017221086
(32) 24.11.2017
(33) Germany

---

(51) B22D 19/06
B22F 5/00
C22C 1/04
C22C 1/10
C22C 29/06
E21B 10/42
E21B 10/46
E21B 10/54
(11) EP2437903
(21) EP10784006.8
(47) 08.01.2020
(87) US2010037056
09.12.2010
(22) 02.06.2010
(54) DOWNHOLE TOOL PARTS WITH COMPOSITE MATRIX MATERIAL OF SPECIFIC COMPOSITION AND MANUFACTURING METHOD THEREOF
(73) Baker Hughes, a GE company, LLC
(72) STEVENS, John, H.
EASON, Jimmy, W.
(31) 479534
(32) 05.06.2009
(33) United States of America

---

(51) B22D 25/00
C22C 9/00
C22C 9/06
C22C 19/03
C22C 30/02
C22C 30/04
C22C 38/00
C22C 38/06
C22C 38/08
C22C 38/16
C25C 3/12
(11) EP2860291
(21) EP13803425.1
(47) 08.01.2020
(87) CN2013076441
19.12.2013
(22) 30.05.2013
(54) INERT ALLOY ANODE USED FOR ALUMINUM ELECTROLYSIS AND PREPARATION METHOD THEREFOR
(73) Inner Mongolia United Industrial Co. Ltd.
(72) SUN, Songtao
FANG, Yulin
(31) 201210188424
201310024019
(32) 11.06.2012
23.01.2013
(33) China
China

---

(51) B22D 41/50
(11) EP3374108
(21) EP16797787.5
(47) 08.01.2020
(87) EP2016076917
18.05.2017
(22) 08.11.2016
(54) CASTING NOZZLE COMPRISING FLOW DEFLECTORS
(73) Vesuvius USA Corporation
(72) RICHAUD, Johan
KREIERHOFF, Martin
WARMERS, Christian
(31) 15193977
(32) 10.11.2015
(33) European Patent Office (EPO)

---

(51) B22F 1/00
B22F 1/02
B22F 7/04
B22F 9/24
C03C 17/00
C22C 1/04
G02B 5/08
G02B 5/20
(11) EP2374559
(21) EP11161290.9
(47) 08.01.2020
(22) 06.04.2011
(54) FLAT METAL PARTICLE-CONTAINING COMPOSITION, USE THEREOF AND HEAT RAY-SHIELDING MATERIAL
(73) Fujifilm Corporation
(72) Funakubo, Takeshi
(31) 2010088986
(32) 07.04.2010

(33) Japan

(51) B22F 1/00
B22F 3/10
B23K 35/02
B23K 35/28
B23K 35/30
C22C 21/00
C22C 45/00
C22C 45/08
H01B 1/22
H01L 31/0224
H01L 31/068
(11) EP2777049
(21) EP12847137.2
(47) 08.01.2020
(87) KR2012009528
16.05.2013
(22) 12.11.2012
(54) CONDUCTIVE PASTE AND ELECTRONIC DEVICE AND SOLAR CELL INCLUDING AN ELECTRODE FORMED USING THE CONDUCTIVE PASTE
(73) Samsung Electronics Co., Ltd.
(72) KIM, Se Yun
KIM, Suk Jun
LEE, Eun Sung
JEE, Sang Soo
HEO, Jeong Na
(31) 20110117882
20120126835
(32) 11.11.2011
09.11.2012
(33) Korea (Republic)
Korea (Republic)

(51) B22F 3/00
C22C 1/00
C22C 1/04
C22C 12/00
H01L 35/18
(11) EP3375548
(21) EP18160869.6
(47) 08.01.2020
(22) 09.03.2018
(54) THERMOELECTRIC CONVERSION MATERIAL
(73) Furukawa Co., Ltd.
(72) NIE Ge
GUO Junqing
KIKUCHI Masaaki
OCHI Takahiro
SUZUKI Shogo
TOMIDA Taketoshi
(31) 2017050815
(32) 16.03.2017
(33) Japan

(51) B22F 3/105
B22F 3/15
B22F 3/24
B22F 5/00
B22F 5/04
C22C 1/04
C22F 1/10
C30B 11/00
C30B 29/52
(11) EP3241634
(21) EP17162405.9
(47) 08.01.2020
(22) 22.03.2017
(54) METHOD FOR FABRICATING A COMPONENT HAVING A DIRECTIONALLY SOLIDIFIED MICROSTRUCTURE OR A SINGLE CRYSTAL MICROSTRUCTURE
(73) Strangman, Thomas
(72) Strangman, Thomas
(31) 201615137300
(32) 25.04.2016
(33) United States of America

(51) B22F 3/105
B22F 5/00
F15B 15/06
F15B 15/14
F16H 21/44
F16J 1/00
F16J 1/14
F16K 31/122
(11) EP3104021
(21) EP16174183.0
(47) 08.01.2020
(22) 13.06.2016
(54) HIGH VIBRATION PNEUMATIC PISTON ASSEMBLY MADE BY ADDITIVE MANUFACTURING
(73) Hamilton Sundstrand Corporation
(72) KAMP, Josh
ARMY, Donald E.
(31) 201514736799
(32) 11.06.2015
(33) United States of America

(51) B22F 3/105
B28B 1/00
B33Y 10/00
B33Y 40/00
B29C 64/153
B29C 64/40
(11) EP3278908
(21) EP16182371.1
(47) 08.01.2020
(22) 02.08.2016
(54) SUPPORT STRUCTURE, METHOD OF PROVIDING THE SAME AND METHOD OF ADDITIVELY MANUFACTURING
(73) Siemens Aktiengesellschaft
(72) Rule, David
Seyfert, Christoph

(51) B22F 3/105
B33Y 10/00
B33Y 30/00
B29C 64/153
B29C 64/20
B29C 67/00
(11) EP3135407
(21) EP16185131.6
(47) 08.01.2020
(22) 22.08.2016
(54) COATER APPARATUS AND METHOD OF ADDITIVE MANUFACTURING
(73) General Electric Company
(72) GILLESPIE, Shane Matthew
STEVENSON, Christian Xavier
KENNEY, Patrick Michael
WANG, Ping
(31) 201514834517
(32) 25.08.2015
(33) United States of America

(51) B23B 19/02
B23Q 5/00
B23Q 5/10
B23Q 5/12
B23Q 11/00
B23Q 16/02
(11) EP3156160
(21) EP15838038.6
(47) 08.01.2020
(87) JP2015075228
10.03.2016
(22) 04.09.2015
(54) MACHINE TOOL
(73) Yamazaki Mazak Corporation
(72) HALCOMB, Christopher
WINKELMAN, Sami H.
II, Takuya
(31) 201462046804 P
(32) 05.09.2014
(33) United States of America

(51) B23B 27/14
B23B 51/00
B23C 5/16
C23C 14/02
C23C 14/06
C23C 14/32
C23C 28/00
C23C 28/04
C23C 30/00
(11) EP3346021
(21) EP15903074.1
(47) 08.01.2020
(87) JP2015075270
09.03.2017
(22) 04.09.2015
(54) HARD COATING AND HARD COATING-COVERED MEMBER
(73) OSG Corporation
(72) SAKURAI Masatoshi
WANG Mei
SUGITA Hiroaki

(51) B23B 31/00
B23B 31/11
B23C 5/10
B23C 5/22
(11) EP2769792
(21) EP11874331.9
(47) 08.01.2020
(87) JP2011073823
25.04.2013
(22) 17.10.2011
(54) HOLDER FOR HEAD REPLACEMENT-TYPE CUTTING TOOL, AND HEAD REPLACEMENT-TYPE CUTTING TOOL
(73) Mitsubishi Materials Corporation
(72) AZEGAMI Takayuki
KIMURA Yoshihiko
ABE Taro

(51) B23B 31/30
F16J 15/16
(11) EP3444056
(21) EP17186140.4
(47) 08.01.2020
(22) 14.08.2017
(54) HYDRAULIC CHUCK
(73) Wu, Hsuan-Lung
(72) Wu, Hsuan-Lung

(51) B23B 45/00

B23B 45/04
B23Q 11/10
B23Q 17/09
(11) EP3434400
(21) EP18184257.6
(47) 08.01.2020
(22) 18.07.2018
(54) DRILL COMPRISING MECHANICAL MEANS TO CONTROL THE LUBRICATION FLOW ACCORDING TO CUTTING FORCES
(73) Seti-Tec
(72) ATZORI, Pierre Alexis
CRESSON, Olivier
PETITGAS, Jérôme
PEREIRA, Sébastien
(31) 1757072
(32) 25.07.2017
(33) France

(51) B23B 51/02
(11) EP2266737
(21) EP10165329.3
(47) 08.01.2020
(22) 09.06.2010
(54) A DRILLING TOOL FOR CHIP REMOVING MACHINING AS WELL AS A LOOSE TOP THEREFOR
(73) Sandvik Intellectual Property AB
(72) Päbel, Helena
(31) 0900848
(32) 23.06.2009
(33) Sweden

(51) B23C 3/35
E05B 19/00
G01B 11/24
G01B 11/245
G06K 9/20
(11) EP2102586
(21) EP07847902.9
(47) 08.01.2020
(87) EP2007063425
19.06.2008
(22) 06.12.2007
(54) METHOD AND APPARATUS FOR READING A KEY PROFILE
(73) SILCA S.p.A.
(72) ANDREOLA, Renato
(31) VE20060079
(32) 14.12.2006
(33) Italy

(51) B23C 5/10
B23C 5/12
B23C 5/14
B23C 5/20
B23C 5/22
(11) EP2501511
(21) EP10832054.0
(47) 08.01.2020
(87) US2010056843
26.05.2011
(22) 16.11.2010
(54) CUTTING EDGE GEOMETRY IN ROUNDED NOSE END MILLS
(73) KENNAMETAL INC.
(72) VOLOKH, Vladimir D.
SHARIVKER, Leonid B.
BOULAKHOV, Sergei
(31) 20219609
(32) 17.11.2009
(33) Israel

(51) B23D 45/04
B23D 47/02
(11) EP3162482
(21) EP16196948.0
(47) 08.01.2020
(22) 02.11.2016
(54) MITER SAW
(73) TTI (Macao Commercial Offshore) Limited
(72) Tennant, C. Scott
Hart, Michael
Knight, Walter
Ipatenco, Alek
(31) 201514930006
(32) 02.11.2015
(33) United States of America

(51) B23F 9/02
B23F 19/00
B23F 23/12
B24B 53/06
B24B 53/075
(11) EP3348354
(21) EP17151630.5
(47) 08.01.2020
(22) 16.01.2017
(54) METHOD FOR PROCESSING BEVEL GEARS USING AN ECCENTRICALLY MOVED, DRESSABLE CUP GRINDING DISC
(73) Klingelnberg AG
(72) Schalaster, Rolf

(51) B23F 23/12
B24B 27/00
(11) EP3315256
(21) EP17195129.6
(47) 08.01.2020
(22) 06.10.2017
(54) GRINDER ARM FOR GRINDING INTERNALLY PROFILED WORKPIECES WITH A GRINDING WHEEL
(73) Kapp Werkzeugmaschinen GmbH
NILES Werkzeugmaschinen GmbH
(72) Bluhme, Ronald
(31) 102016012915
(32) 21.10.2016
(33) Germany

(51) B23G 7/00
B23G 7/02
B27M 3/00
E04C 2/12
(11) EP2407265
(21) EP10007428.5
(47) 08.01.2020
(22) 17.07.2010
(54) Tool for forming an internal thread, method for producing a wood assembly with such a tool and wood assembly produced using such a method
(73) Rombach, Rolf
(72) Rombach, Rolf

(51) B23G 7/02
(11) EP2865475
(21) EP12879458.3
(47) 08.01.2020
(87) JP2012066062
27.12.2013
(22) 22.06.2012
(54) THREAD-FORMING TAP
(73) OSG Corporation
(72) HARADA Kazumitsu
YAMAMOTO Hironori
SATOH Toshihiro

(51) B23H 1/10
B23H 7/02
B23H 7/26
B23H 11/00
G05B 19/18
G05B 19/404
(11) EP3299915
(21) EP17001560.6
(47) 08.01.2020
(22) 19.09.2017
(54) WIRE ELECTRICAL DISCHARGE MACHINE AND PLACEMENT TIME CALCULATION METHOD
(73) FANUC CORPORATION
(72) Ryou, Nishikawa
Shouji, Takahashi
(31) 2016183845
(32) 21.09.2016
(33) Japan

(51) B23K 5/00
B23K 5/18
B23K 5/213
B23K 9/235
B23K 37/00
(11) EP2700467
(21) EP13180545.9
(47) 08.01.2020
(22) 15.08.2013
(54) A pre-heating equipment
(73) Thermit Welding (GB) Ltd
(72) Johnson, Richard Storer
Banton, Ian
(31) 201214858
(32) 21.08.2012
(33) United Kingdom

(51) B23K 9/095
(11) EP3129183
(21) EP15708956.6
(47) 08.01.2020
(87) US2015016037
15.10.2015
(22) 16.02.2015
(54) SYSTEM AND METHOD FOR DETERMINING INDUCTANCE OF A POWER CABLE
(73) Illinois Tool Works Inc.
(72) PFEIFER, Kyle Andrew
SALSICH, Anthony Van Bergen
PROCHNOW, Gregg Donald
OVERESCH, Jeremy Daniel
(31) 201461976284 P
201514616333
(32) 07.04.2014
06.02.2015
(33) United States of America
United States of America

(51) B23K 9/095
B23K 9/12
B23K 9/235
B23K 9/32
B23K 35/02
G09B 19/24

(11) EP2973505
(21) EP14708770.4
(47) 08.01.2020
(87) US2014018109
25.09.2014
(22) 24.02.2014
(54) WELDING TRAINING SYSTEMS AND DEVICES
(73) Illinois Tool Works Inc.
(72) BECKER, William J.
BEESON, Richard
MARCUSEN, David P.
(31) 201313838019
(32) 15.03.2013
(33) United States of America

(51) B23K 9/173
B23K 10/02
B23K 11/06
B23K 11/11
B23K 11/14
B23K 11/20
B23K 15/00
C09J 5/10
B23K 26/20
B23K 28/02
(11) EP3067147
(21) EP15158962.9
(47) 08.01.2020
(22) 13.03.2015
(54) METHOD OF WELDING METAL-BASED NON WELDABLE DIRECTLY TO EACH OTHER MATERIALS, USING A SPACER
(73) Outokumpu Oyj
(72) Lindner, Stefan
Skrlec, Jasminko

(51) B23K 9/32
B23K 11/36
B23K 15/00
B23K 20/26
B23K 37/00
F25D 27/00
H05H 1/28
B23K 26/70
(11) EP3482864
(21) EP18195177.3
(47) 08.01.2020
(22) 18.09.2018
(54) WELDING UNIT COOLING DEVICE
(73) Carl Cloos Schweißtechnik Gesellschaft mit beschränkter Haftung
(72) Paul, Christoph
Peipert, Cedric
Friedrich, Frank
Schmidt, Klaus-Peter
(31) 102017121808
(32) 20.09.2017
(33) Germany

(51) B23K 20/12
B23K 103/10
(11) EP2692473
(21) EP13003751.8
(47) 08.01.2020
(22) 26.07.2013
(54) Friction stir welding apparatus
(73) F-TECH INC.
(72) Saitou, Tomoya
(31) 2012171702
(32) 02.08.2012
(33) Japan

(51) B23K 25/00
B23K 35/02
(11) EP3188873
(21) EP15825945.7
(47) 08.01.2020
(87) IB2015002224
22.12.2016
(22) 26.11.2015
(54) ELECTROSLAG CLADDING METHOD
(73) Lincoln Global, Inc.
(72) NATHEGHI, Amin
POLLMANN, Roland
BOLTE, Frank
THUME, Christopher
GOLDING, Mark, S.
ZHANG, Zhuyao
CHATTOPADHYAY, Pallav
(31) 202015004355 U
202015007709 U
(32) 19.06.2015
10.11.2015
(33) Germany
Germany

(51) B23K 26/03
B23K 101/06
B23K 101/10
B23K 103/04
B23K 26/262
B23K 26/348
(11) EP2322312
(21) EP09770280.7
(47) 08.01.2020
(87) JP2009061791
30.12.2009
(22) 22.06.2009
(54) METHOD FOR MANUFACTURING LASER-WELDED STEEL PIPE
(73) JFE Steel Corporation
(72) YANO, Koji
OI, Kenji
SUZUKI, Masahito
KODAMA, Toshifumi
SAKASHITA, Shigeto
(31) 2008162991
2008281766
2008281782
2008321837
2009064027
2009064029
(32) 23.06.2008
31.10.2008
31.10.2008
18.12.2008
17.03.2009
17.03.2009
(33) Japan
Japan
Japan
Japan
Japan
Japan

(51) B23K 35/02
B23K 35/30
B23K 35/36
H01B 1/22
H05K 1/09
(11) EP3172739
(21) EP15738743.2
(47) 08.01.2020
(87) GB2015052024
28.01.2016
(22) 14.07.2015
(54) STRETCHABLE INTERCONNECTS FOR FLEXIBLE ELECTRONIC SURFACES
(73) Alpha Assembly Solutions Inc.
(72) PUJARI, Narahari
SINGH, Bawa
BHATKAL, Ravi
SARKAR, Siuli
RUSTOGI, Anubhav
(31) 201462027303 P
(32) 22.07.2014
(33) United States of America

(51) B23K 35/28
B32B 15/20
C22C 21/00
C22F 1/04
F28F 19/06
F28F 21/08
(11) EP3321384
(21) EP16821487.2
(47) 08.01.2020
(87) JP2016070277
12.01.2017
(22) 08.07.2016
(54) ALUMINUM ALLOY CLADDING MATERIAL, MANUFACTURING METHOD THEREFOR, AND HEAT EXCHANGER USING SAID ALUMINUM ALLOY CLADDING MATERIAL
(73) UACJ Corporation
(72) ASANO, Taichi
HARADA, Masaki
TESHIMA, Shoei
ANDO, Makoto
NARITA, Wataru
YAMASHITA, Naoki
(31) 2015137331
2016132727
(32) 08.07.2015
04.07.2016
(33) Japan
Japan

(51) B23P 6/00
C22F 1/10
F01D 5/00
(11) EP3326747
(21) EP17001915.2
(47) 08.01.2020
(22) 23.11.2017
(54) NICKEL-BASED ALLOY REGENERATED MEMBER, AND METHOD FOR MANUFACTURING SAME
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) Tanaka, Shigeru
Yoshinari, Akira
Izumi, Takeshi
(31) 2016229893
(32) 28.11.2016
(33) Japan

(51) B23P 6/00
F01D 5/00
F01D 5/28
(11) EP2882939

(21) EP12772752.7
(47) 08.01.2020
(87) EP2012069700
10.04.2014
(22) 05.10.2012
(54) METHOD FOR REFURBISHING A GAS TURBINE BLADE AND USE OF A GAS TURBINE HAVING SAID BLADE
(73) Siemens Aktiengesellschaft
(72) BULLINGER, Patrick
PAHL, Andreas
REIERMANN, Dietmar
RINDLER, Michael
GROSSHÄUSER, Martin
STAMM, Werner

(51) B23P 15/02
F01D 5/00
F01D 5/14
(11) EP3305466
(21) EP17193398.9
(47) 08.01.2020
(22) 27.09.2017
(54) METHOD OF MANUFACTURING AN AIRFOIL WITH A THIN TRAILING EDGE
(73) United Technologies Corporation
(72) HUDSON, Eric A.
OTERO, Edwin
BARRON, Alan C.
(31) 201615289801
(32) 10.10.2016
(33) United States of America

(51) B23P 15/04
F01D 5/14
F01D 9/04
F01D 9/06
F01D 25/16
(11) EP2540982
(21) EP12166087.2
(47) 08.01.2020
(22) 27.04.2012
(54) Flowpath insert and assembly
(73) United Technologies Corporation
(72) Smith, Darren M.
(31) 201113172128
(32) 29.06.2011
(33) United States of America

(51) B23P 15/26
B64G 1/50
F28D 15/02
F28F 21/02
F28F 21/08
(11) EP3042854
(21) EP15196461.6
(47) 08.01.2020
(22) 26.11.2015
(54) SPACECRAFT AND SPACECRAFT RADIATOR PANELS WITH COMPOSITE FACE-SHEETS
(73) The Boeing Company
(72) ASTON, Richard W.
TOMZYNSKA, Anna Maria
(31) 201514592609
(32) 08.01.2015
(33) United States of America

(51) B23P 19/04
B62D 65/08
H02K 49/04
H02K 49/06
(11) EP2998204
(21) EP14192510.7
(47) 08.01.2020
(22) 10.11.2014
(54) Device and method for applying a sealing profile
(73) AyTec Automation GmbH
(72) Ruhland, Christian
(31) 102014113509
(32) 18.09.2014
(33) Germany

(51) B23P 25/00
B23K 26/00
(11) EP2670564
(21) EP12706792.4
(47) 08.01.2020
(87) EP2012051841
09.08.2012
(22) 03.02.2012
(54) TOOL-CHANGING CARRIER AND TOOL SYSTEM
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) FRANK, Jörg
BAUSCH, Sascha
DEUTGES, Dominic
(31) 102011000505
(32) 04.02.2011
(33) Germany

(51) B23Q 1/03
B23Q 3/18
B64F 5/00
(11) EP2939933
(21) EP15165868.9
(47) 08.01.2020
(22) 30.04.2015
(54) MODULAR STANCHION SYSTEM
(73) The Boeing Company
(72) Larson, Kim Marie
Eng, Raymond Cho
Munk, Clayton Lynn
Day, Dan Dresskell
Davis, Gordon Dale
(31) 201414265946
(32) 30.04.2014
(33) United States of America

(51) B23Q 7/14
B23Q 7/18
B65C 9/04
B65C 9/06
B65G 47/84
(11) EP2925649
(21) EP13807907.4
(47) 08.01.2020
(87) DE2013200272
05.06.2014
(22) 06.11.2013
(54) DEVICE FOR RECEIVING A WORKPIECE FOR A WORKPIECE CARRIER CIRCULATION SYSTEM OF A PRODUCTION MACHINE
(73) Schaeffler Technologies AG & Co. KG
(72) SCHMID, Günter
SCHÜLER, Ralf
FRÜHWALD, Andreas
(31) 102012221719
(32) 28.11.2012
(33) Germany

(51) B23Q 17/20
B23Q 17/24
G01B 9/023
G01B 11/24
(11) EP3158283
(21) EP15731034.3
(47) 08.01.2020
(87) EP2015063777
23.12.2015
(22) 18.06.2015
(54) PRODUCTION SYSTEM AND METHOD OF OPERATING THE PRODUCTION SYSTEM
(73) Broetje-Automation GmbH
(72) FICKEN, Wilfried
WOLF, Bernd-Michael
(31) 102014108629
(32) 18.06.2014
(33) Germany

(51) B23Q 17/22
B23Q 17/24
B25F 5/02
B27C 5/10
(11) EP3369539
(21) EP18152450.5
(47) 08.01.2020
(22) 19.01.2018
(54) MACHINE TOOL WITH A LASER DIODE ATTACHED TO A BASE PLATE
(73) Robert Bosch GmbH
(72) Kuehn, Thorsten
Ziegler, Roland
(31) 102017203284
(32) 01.03.2017
(33) Germany

(51) B24B 37/20
B24B 37/26
(11) EP2193010
(21) EP08795288.3
(47) 08.01.2020
(87) US2008009687
26.02.2009
(22) 13.08.2008
(54) POLISHING PAD
(73) Cabot Microelectronics Corporation
(72) NEWELL, Kelly
(31) 956293 P
(32) 16.08.2007
(33) United States of America

(51) B24B 37/26
(11) EP2607019
(21) EP11818418.3
(47) 08.01.2020
(87) KR2011006088
23.02.2012
(22) 18.08.2011
(54) POLISHING PAD FOR A POLISHING SYSTEM
(73) LG Chem, Ltd.
(72) MIN, Kyoung-Hoon
IM, Ye-Hoon
LEE, Dae-Yeon
SONG, Jae-Ik
PARK, Su-Chan
(31) 20100079882
(32) 18.08.2010
(33) Korea (Republic)

(51) B24B 49/04

G01B 7/00
G01B 7/12
(11) EP2642242
(21) EP12160797.2
(47) 08.01.2020
(22) 22.03.2012
(54) Measuring device including feeler for workpieces
(73) Balance Systems S.r.L.
(72) Trionfetti, Gianni

(51) B25B 5/10
(11) EP3030379
(21) EP14748196.4
(47) 08.01.2020
(87) EP2014066718
12.02.2015
(22) 04.08.2014
(54) CLAMPING CLAW FOR A TENSIONING DEVICE
(73) Andreas Maier GmbH & Co. KG
(72) ZIMMERMANN, Rainer
STEINBACH, Peter
GÖBEL, Volker
(31) 102013215385
(32) 05.08.2013
(33) Germany

(51) B25B 11/00
H01L 21/683
(11) EP3322560
(21) EP15739230.9
(47) 08.01.2020
(87) EP2015065975
19.01.2017
(22) 13.07.2015
(54) VACUUM GRIPPING DEVICE AND METHOD FOR OPERATING A VACUUM GRIPPING DEVICE
(73) Festo AG & Co. KG
(72) MAYER, Manuel
ANDERLE, Jens
WIRTL, Hannes

(51) B25B 15/00
B25B 23/00
B25B 23/142
(11) EP2929982
(21) EP14163694.4
(47) 08.01.2020
(22) 07.04.2014
(54) Torque wrench
(73) Sandvik Intellectual Property AB
(72) Pålsson, Claes
Larsson, Linus
Larsson, Ove
Andrén, Caspar
Roos, Sebastian

(51) B25B 21/00
B25B 23/14
B25D 16/00
(11) EP2655019
(21) EP11796651.5
(47) 08.01.2020
(87) EP2011071270
28.06.2012
(22) 29.11.2011
(54) PORTABLE POWER TOOL
(73) Robert Bosch GmbH
(72) HECHT, Joachim
ROEHM, Heiko
KRAUS, Martin
(31) 102010063953
(32) 22.12.2010
(33) Germany

(51) B25B 21/00
B25B 23/147
(11) EP2835223
(21) EP14180158.9
(47) 08.01.2020
(22) 07.08.2014
(54) Fastener driving power tool
(73) Black & Decker Inc.
(72) Sergyeyenko, Oleksiy P.
Shook, Christopher
Ng, Wong Kun
(31) 201361863537 P
201414298134
(32) 08.08.2013
06.06.2014
(33) United States of America
United States of America

(51) B25B 21/02
(11) EP2875901
(21) EP14190847.5
(47) 08.01.2020
(22) 29.10.2014
(54) Impact device of pneumatic tool
(73) Ho, Chuan-Cheng
(72) Ho, Chuan-Cheng
(31) 102139619
(32) 31.10.2013
(33) Taiwan, Province of China

(51) B25B 23/00
B25B 23/14
B25B 23/142
F16D 7/04
A61B 90/00
(11) EP2918374
(21) EP14003716.9
(47) 08.01.2020
(22) 05.11.2014
(54) Torque limiting device
(73) JakuTec Medizintechnik GmbH & Co. KG
(72) Jakoubek, Franz
(31) 201461950286 P
(32) 10.03.2014
(33) United States of America

(51) B25B 23/04
(11) EP2782713
(21) EP12846561.4
(47) 08.01.2020
(87) US2012062650
10.05.2013
(22) 31.10.2012
(54) SCREWDRIVER TOOL WITH IMPROVED CORNER FIT FUNCTION
(73) Kyocera Senco Industrial Tools, Inc.
(72) DESMOND, Michael, R.
HOFFMAN, William, H.
(31) 201113288985
201113288982
(32) 04.11.2011
04.11.2011
(33) United States of America
United States of America

(51) B25D 9/04
B25D 9/14
B25D 17/06
B25D 17/11
B25D 17/24
(11) EP3062967
(21) EP14857160.7
(47) 08.01.2020
(87) SE2014051256
07.05.2015
(22) 24.10.2014
(54) A PNEUMATIC HAMMER DEVICE AND A METHOD PERTAINING TO A PNEUMATIC HAMMER DEVICE
(73) Atlas Copco Airpower, naamloze vennootschap
(72) LILJA, Thomas
ÖSTENSSON, Olof
(31) 1351298
(32) 01.11.2013
(33) Sweden

(51) B25D 17/04
B25F 5/00
(11) EP2415561
(21) EP11176267.0
(47) 08.01.2020
(22) 02.08.2011
(54) Rear handle
(73) Black & Decker Inc.
(72) Roberts, Ana-Marie
Friedrich, Andreas
(31) 201013175
(32) 05.08.2010
(33) United Kingdom

(51) B25D 17/26
E21B 4/00
E21B 6/00
(11) EP3013533
(21) EP14817483.2
(47) 08.01.2020
(87) SE2014000088
31.12.2014
(22) 24.06.2014
(54) DEVICE AND METHOD RELATED TO LUBRICATION OF COMPONENTS IN A ROCK DRILLING MACHINE AND ROCK DRILLING MACHINE
(73) Epiroc Rock Drills Aktiebolag
(72) JONSSON, Per
(31) 1350767
(32) 25.06.2013
(33) Sweden

(51) B25F 5/00
B25F 5/02
(11) EP3138663
(21) EP16180953.8
(47) 08.01.2020
(22) 25.07.2016
(54) BATTERY PACK AND ELECTRICAL COMBINATION
(73) Chervon (HK) Limited
(72) YANG, Dezhong
FENG, Jifeng
(31) 201510471534
(32) 04.08.2015
(33) China

(51) B25F 5/02
(11) EP3380278
(21) EP16804730.6
(47) 08.01.2020

(87) EP2016078660
01.06.2017
(22) 24.11.2016
(54) SYSTEM FORMED BY AT LEAST ONE HAND-HELD POWER TOOL, AT LEAST ONE FIRST INTERFACE, AND AT LEAST ONE ELECTROTECHNICAL PRODUCT
(73) Robert Bosch GmbH
(72) BRENNENSTUHL, Jens
ROEHM, Heiko
RABE, Maik
(31) 102015223144
102015224365
102016208106
102016209253
(32) 24.11.2015
04.12.2015
11.05.2016
27.05.2016
(33) Germany
Germany
Germany
Germany

(51) B25J 9/00
B25J 13/08
(11) EP3366432
(21) EP18154762.1
(47) 08.01.2020
(22) 01.02.2018
(54) MEASURING SYSTEM AND CONVEYING DEVICE
(73) SICK STEGMANN GmbH
(72) Sellmer, Christian
Brugger, Simon
Hummel, Martin
Merkle, Clemens
Hofmann, Tobias
(31) 17157443
(32) 22.02.2017
(33) European Patent Office (EPO)

(51) B25J 9/00
B65B 23/10
B65B 23/12
B65B 23/14
B65B 35/40
B65G 47/04
B65G 47/90
B65B 9/06
(11) EP3334658
(21) EP16751127.8
(47) 08.01.2020
(87) US2016045743
23.02.2017
(22) 05.08.2016
(54) FOOD CONVEYOR AND PACKAGING SYSTEMS AND METHODS
(73) Intercontinental Great Brands LLC
(72) BACELLAR, Ricardo
MOREIRA, Joao
(31) 201562205458 P
(32) 14.08.2015
(33) United States of America

(51) B25J 9/08
B25J 9/16
(11) EP3028825
(21) EP15181298.9
(47) 08.01.2020
(22) 17.08.2015
(54) RECONFIGURABLE ROBOTIC KIT
(73) Spin Master Ltd.
(72) Hardouin, Christopher John
Garza, Romeo Andres
Garza, Felipe Jose
(31) 201462086179 P
201514802971
(32) 01.12.2014
17.07.2015
(33) United States of America
United States of America

(51) B25J 9/16
(11) EP2361736
(21) EP11153652.0
(47) 08.01.2020
(22) 08.02.2011
(54) Rotary drive device
(73) Canon Kabushiki Kaisha
(72) Nakasugi, Mikio
(31) 2010037527
(32) 23.02.2010
(33) Japan

(51) B25J 9/16
B25J 13/02
A61B 34/00
A61B 34/10
A61B 34/20
A61B 34/30
A61B 34/35
A61B 34/37
A61B 90/30
(11) EP2775950
(21) EP12847686.8
(47) 08.01.2020
(87) US2012064400
16.05.2013
(22) 09.11.2012
(54) APPLICATION OF FORCE FEEDBACK ON AN INPUT DEVICE TO URGE ITS OPERATOR TO COMMAND AN ARTICULATED INSTRUMENT TO A PREFERRED POSE
(73) Intuitive Surgical Operations, Inc.
(72) DIOLAITI, Nicola
LILAGAN, Paul, E.
(31) 201113292760
(32) 09.11.2011
(33) United States of America

(51) B25J 9/16
G05B 19/042
G06F 9/44
(11) EP3275606
(21) EP17185465.6
(47) 08.01.2020
(22) 25.02.2011
(54) PROCESS MODULE LIBRARY AND PROGRAMMING ENVIRONMENT FOR PROGRAMMING A MANIPULATOR PROCESS
(73) KUKA Deutschland GmbH
(72) Schmirgel, Volker
Hietmann, Gerhard
Reitelshöfer, Sebastian
Klumpp, Simon
Kurth, Johannes
(31) 102010009474
102010012598
(32) 26.02.2010
24.03.2010
(33) Germany
Germany

(51) B25J 9/16
G05B 19/4063
(11) EP2347309
(21) EP09748236.8
(47) 08.01.2020
(87) EP2009007516
03.06.2010
(22) 20.10.2009
(54) METHOD AND DEVICE FOR RELIABLY CAPTURING A KINEMATIC PARAMETER OF A MANIPULATOR
(73) KUKA Deutschland GmbH
(72) ROTH, Stefan
(31) 102008054312
(32) 03.11.2008
(33) Germany

(51) B25J 9/16
G06K 9/32
G06T 1/00
H04N 5/232
G06N 20/00
(11) EP3222393
(21) EP17154016.4
(47) 08.01.2020
(22) 31.01.2017
(54) AUTOMATED GUIDANCE SYSTEM AND METHOD FOR A COORDINATED MOVEMENT MACHINE
(73) Recognition Robotics, Inc.
(72) Melikian, Simon
Cristiano, Stefano
(31) 201615075361
(32) 21.03.2016
(33) United States of America

(51) B25J 13/08
B25J 19/02
B25J 19/06
(11) EP3475036
(21) EP18759892.5
(47) 08.01.2020
(87) EP2018072248
07.03.2019
(22) 16.08.2018
(54) MULTI-DISTANCE DETECTION DEVICE FOR A ROBOT, AND ROBOT FITTED WITH ONE OR MORE SUCH DEVICES
(73) Fogale Nanotech
(72) ROZIERE, Didier
COURTEVILLE, Alain
(31) 1757915
(32) 28.08.2017
(33) France

(51) B25J 13/08
B25J 19/02
G05D 1/00
G05D 1/02
G06K 9/00
G06T 7/73
(11) EP3079031
(21) EP16160076.2
(47) 08.01.2020
(22) 14.03.2016
(54) MOVING ROBOT AND METHOD OF RECOGNIZING LOCATION OF MOVING ROBOT

(73) LG Electronics Inc.
(72) SHIN, Yongmin
NAM, Kyungmin
(31) 20150049606
(32) 08.04.2015
(33) Korea (Republic)

(51) B25J 15/06
G01L 1/16
G01L 5/00
H05K 13/04
H05K 13/08
(11) EP3082390
(21) EP15748479.1
(47) 08.01.2020
(87) JP2015053800
20.08.2015
(22) 12.02.2015
(54) COMPONENT MOUNTING DEVICE AND DETECTION DEVICE
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) KOIDE, Akira
OKAMOTO, Yoshinori
(31) 2014023967
(32) 12.02.2014
(33) Japan

(51) B26B 19/38
(11) EP2614938
(21) EP13150959.8
(47) 08.01.2020
(22) 11.01.2013
(54) Electric hair trimmer
(73) Spectrum Brands, Inc.
(72) Kammer, Carl Gottfried
Johnson, Andrew David
(31) 201261585923 P
201261621788 P
(32) 12.01.2012
09.04.2012
(33) United States of America
United States of America

(51) B26B 19/38
B26B 21/40
(11) EP3065919
(21) EP14793562.1
(47) 08.01.2020
(87) EP2014073767
14.05.2015
(22) 05.11.2014
(54) A SYSTEM AND A METHOD FOR TREATING A USER'S HEAD
(73) Koninklijke Philips N.V.
(72) GODLIEB, Robert
BROERS, Harry
OOMEN, Arnoldus Werner Johannes
(31) 13191726
(32) 06.11.2013
(33) European Patent Office (EPO)

(51) B26B 21/14
B26B 21/22
B26B 21/24
B26B 21/40
B26B 21/54
(11) EP3113918
(21) EP14851150.4
(47) 08.01.2020
(87) US2014057048
09.04.2015
(22) 23.09.2014
(54) RAZOR CARTRIDGES
(73) Dorco Co., Ltd.
(72) GRIFFIN, John W.
PROVOST, Craig A.
TUCKER, William E.
KOHRING, Douglas R.
(31) 201361885906 P
(32) 02.10.2013
(33) United States of America

(51) B26B 21/52
(11) EP3213889
(21) EP17275029.1
(47) 08.01.2020
(22) 01.03.2017
(54) RAZOR HANDLE AND METHOD OF MANUFACTURE
(73) Harry's, Inc.
(72) Martin, Tevis Koll
Newlin, Scott
Boey, Brittania
(31) 201615061128
(32) 04.03.2016
(33) United States of America

(51) B26D 1/08
B65H 29/24
B65H 35/06
(11) EP3370933
(21) EP16802167.3
(47) 08.01.2020
(87) NL2016050764
11.05.2017
(22) 03.11.2016
(54) DEVICE FOR CUTTING AN ELONGATE OBJECT, AND MACHINE PROVIDED WITH SUCH A CUTTING DEVICE
(73) Cologic B.V.
(72) VERBRAAK, Ronaldus Cornelis Johannes
(31) 2015719
(32) 04.11.2015
(33) Netherlands

(51) B26D 1/16
(11) EP2708336
(21) EP13183653.8
(47) 08.01.2020
(22) 10.09.2013
(54) Device for cutting bread into slices
(73) Reifenhäuser, Uwe
(72) Reifenhäuser, Uwe
(31) 102012216379
(32) 14.09.2012
(33) Germany

(51) B26D 1/18
B26D 3/08
B26D 5/00
B26D 7/00
B26D 7/26
B26D 9/00
B26F 1/00
B65H 35/00
(11) EP3243615
(21) EP17175751.1
(47) 08.01.2020
(22) 09.11.2012
(54) ELEVATED CONVERTING MACHINE FOR CONVERTING MATERIAL INTO PACKAGING TEMPLATES
(73) Packsize LLC
(72) PETTERSSON, Niklas
(31) 201161558298 P
201261640686 P
201261643267 P
(32) 10.11.2011
30.04.2012
05.05.2012
(33) United States of America
United States of America
United States of America

(51) B26D 1/30
B26D 3/06
B28D 5/04
H01L 21/67
(11) EP2469586
(21) EP11190878.6
(47) 08.01.2020
(22) 28.11.2011
(54) Patterning device
(73) Mitsuboshi Diamond Industrial Co., Ltd.
(72) Soyama, Masanobu
(31) 2010287449
2011194593
(32) 24.12.2010
07.09.2011
(33) Japan
Japan

(51) B26D 1/46
B26D 1/50
B26D 1/547
B26D 1/553
B26D 3/00
B26D 3/06
B26D 7/18
B26D 9/00
(11) EP3380283
(21) EP16798728.8
(47) 08.01.2020
(87) EP2016078296
01.06.2017
(22) 21.11.2016
(54) APPARATUS FOR MANUFACTURING PANELS MADE OF FOAMED PLASTIC MATERIAL
(73) HENNECKE-OMS S.P.A.
(72) BOSCARI, Luciano
PARLATO, Maurizio
(31) UB20155981
(32) 27.11.2015
(33) Italy

(51) B26D 1/547
B60J 10/00
(11) EP3046737
(21) EP13766281.3
(47) 08.01.2020
(87) EP2013069642
26.03.2015
(22) 20.09.2013
(54) VEHICLE GLAZING PANEL CUT OUT
(73) Belron International Limited
(72) CARLTON, Alistair
WECKX, Patrick

(51) B26D 7/02
B26D 7/06
B26D 7/32
(11) EP3332928
(21) EP17206542.7
(47) 08.01.2020
(22) 30.07.2013

(54) DEVICE FOR CUTTING FOOD PRODUCTS
(73) Textor Maschinenbau GmbH
(72) Mayer, Josef
Salmen, Mathias
Schmeiser, Jörg
Maier, Wilfried
Herzberger, Holger
(31) 102012214741
(32) 20.08.2012
(33) Germany

(51) B27D 5/00
B27F 1/04
(11) EP3106273
(21) EP15172385.5
(47) 08.01.2020
(22) 16.06.2015
(54) TOOL ASSEMBLY FOR MACHINING WOODEN PANELS
(73) SWISS KRONO Tec AG
(72) STALDER, Kilian

(51) B27F 7/11
(11) EP2563557
(21) EP11752079.1
(47) 08.01.2020
(87) CZ2011000043
03.11.2011
(22) 28.04.2011
(54) NAILING MACHINE
(73) Störi Mantel, S.R.O.
(72) JAROSLAV, Urban
(31) 201022641 U
(32) 30.04.2010
(33) Czech Republic

(51) B27N 3/00
B29C 43/00
B44C 5/04
E04F 15/00
(11) EP3088204
(21) EP15165502.4
(47) 08.01.2020
(22) 28.04.2015
(54) METHOD FOR PRODUCING A DECORATED WALL OR FLOOR PANEL
(73) Akzenta Paneele + Profile GmbH
(72) Haning, Hans-Jürgen

(51) B29B 7/84
B29B 7/90
B29B 15/10
B29C 70/12
B29K 101/10
B29K 105/12
B29K 307/04
B29K 309/08
(11) EP3318381
(21) EP17199737.2
(47) 08.01.2020
(22) 02.11.2017
(54) RESIN-INFUSED SHORT FIBER COMPOSITE MATERIALS
(73) The Boeing Company
(72) SONG, Weidong
(31) 201615344755
(32) 07.11.2016
(33) United States of America

(51) B29B 9/06
B29K 101/12
B29L 31/00
B29C 48/00
B29C 48/04
B29C 48/05
B29C 48/25
B29C 48/30
B29C 48/345
B29C 48/91
(11) EP3181318
(21) EP15811683.0
(47) 08.01.2020
(87) JP2015068592
30.12.2015
(22) 26.06.2015
(54) STRAND MANUFACTURING DEVICE AND METHOD
(73) The Japan Steel Works, Ltd.
(72) TAKEUCHI, Takahide
(31) 2014131063
(32) 26.06.2014
(33) Japan

(51) B29B 17/00
D01F 6/92
B29C 48/42
B29C 48/76
(11) EP3221120
(21) EP15861605.2
(47) 08.01.2020
(87) US2015061116
26.05.2016
(22) 17.11.2015
(54) VERFAHREN ZUR MASSENHERSTELLUNG VON ENDLOSFILAMENTEN
(73) Mohawk Industries, Inc.
(72) CLARK, Thomas R.
(31) 201414546796
(32) 18.11.2014
(33) United States of America

(51) B29C 33/10
B29C 44/00
B29C 45/00
B62J 1/18
B62J 1/26
(11) EP3090933
(21) EP16165119.5
(47) 08.01.2020
(22) 13.04.2016
(54) METHOD OF MANUFACTURING MAIN BODY OF BICYCLE SADDLE
(73) Velo Enterprise Co., Ltd.
(72) YU, Tsai-Yun
(31) 104114821
(32) 08.05.2015
(33) Taiwan, Province of China

(51) B29C 33/30
B29C 65/00
B29C 65/78
B29C 70/44
B29D 99/00
(11) EP3023234
(21) EP14193767.2
(47) 08.01.2020
(22) 18.11.2014
(54) Fabrication of stiffened composite panels
(73) The Boeing Company
(72) Hansen, Martin Wayne

(51) B29C 33/30
B29D 30/72
(11) EP3471940
(21) EP16754575.5
(47) 08.01.2020
(87) TR2016000086
21.12.2017
(22) 16.06.2016
(54) PLUG SYSTEM WITH MAGNETIC CONNECTION
(73) Sürücü, Mehmet
(72) Sürücü, Mehmet

(51) B29C 33/38
B29C 33/40
B29K 83/00
B41N 1/12
G03F 7/00
(11) EP3490769
(21) EP17746075.5
(47) 08.01.2020
(87) EP2017069098
01.02.2018
(22) 27.07.2017
(54) POLYORGANOSILOXANE-BASED STAMP AND METHOD FOR MANUFACTURING THEREOF
(73) Koninklijke Philips N.V.
(72) VERSCHUUREN, Marcus, Antonius
(31) 16181454
(32) 27.07.2016
(33) European Patent Office (EPO)

(51) B29C 33/68
B29C 70/46
B29K 101/10
B29K 105/08
B32B 5/28
C08J 5/04
(11) EP3321057
(21) EP16821301.5
(47) 08.01.2020
(87) JP2016069390
12.01.2017
(22) 30.06.2016
(54) METHOD FOR MANUFACTURING FIBER-REINFORCED COMPOSITE MATERIAL
(73) Toray Industries, Inc.
(72) IMAI, Naokichi
HONMA, Masato
(31) 2015135034
2015135035
(32) 06.07.2015
06.07.2015
(33) Japan
Japan

(51) B29C 41/04
B29C 41/38
B29D 30/02
B60B 9/26
B60C 7/10
B60C 7/14
B60C 7/22
(11) EP2611629
(21) EP11822337.9
(47) 08.01.2020
(87) US2011047864
08.03.2012
(22) 16.08.2011

(54) SPOKE EDGE GEOMETRY FOR A NON-PNEUMATIC TIRE
(73) Compagnie Générale des Etablissements Michelin
(72) CRON, Steven, M.
DOTSON, Michael, Edward
MILES, Kevin, C.
RHYNE, Timothy, Brett
(31) 379351 P
(32) 01.09.2010
(33) United States of America

(51) B29C 43/18
B29C 51/14
B29C 51/30
B29K 105/08
B29L 31/30
B32B 5/18
B32B 5/28
(11) EP3002119
(21) EP15756539.1
(47) 08.01.2020
(87) JP2015057048
25.02.2016
(22) 10.03.2015
(54) RESIN COMPOSITE AND PROCESS FOR PRODUCING RESIN COMPOSITE
(73) Sekisui Plastics Co., Ltd.
(72) HITOMI, Kazutoshi
KUWABARA, Yusuke
FUKUNAGA, Yoichiro
(31) 2014168705
(32) 21.08.2014
(33) Japan

(51) B29C 44/12
B29C 44/14
B29C 70/08
B29K 75/00
B29K 105/12
B29K 509/08
B29K 623/00
B29L 9/00
B29L 31/30
B32B 3/10
B32B 5/02
B32B 5/20
B32B 5/24
B32B 5/26
B32B 27/12
B60R 13/02
B29D 99/00
(11) EP3429835
(21) EP17713356.8
(47) 08.01.2020
(87) FR2017050521
21.09.2017
(22) 09.03.2017
(54) METHOD FOR PRODUCING AN INNER TRIM PANEL FOR A MOTOR VEHICLE
(73) TREVES Products, Services & Innovation
(72) LEMAIRE, Dominique
(31) 1652184
(32) 15.03.2016
(33) France

(51) B29C 45/00
C08F 2/00
C08F 4/6192
C08F 210/06
C08K 5/00
C08L 23/14
C08L 23/16
(11) EP3261815
(21) EP16706837.8
(47) 08.01.2020
(87) EP2016053698
01.09.2016
(22) 23.02.2016
(54) PROPYLENE COPOLYMER COMPOSITION WITH IMPROVED LONG-TERM MECHANICAL PROPERTIES
(73) Borealis AG
(72) BRAUN, Juliane
BORAGNO, Luca
WANG, Jingbo
LESKINEN, Pauli
LILJA, Johanna
GAHLEITNER, Markus
(31) 15156439
(32) 25.02.2015
(33) European Patent Office (EPO)

(51) B29C 45/14
(11) EP2897777
(21) EP13762858.2
(47) 08.01.2020
(87) EP2013069331
27.03.2014
(22) 18.09.2013
(54) METHOD FOR PRODUCING A MOULDED PART WITH A UV-CURED VARNISH, MOULDED PART MADE OF PLASTIC AND MOULDED PART
(73) Covestro Deutschland AG
(72) LEONHARDT, Konstantin
KÜNZEL, Roland
HERDT, Björn
DAHMEN, Hans-Jörg
MUNDSTOCK, Holger
POPHUSEN, Dirk
(31) 12185097
(32) 19.09.2012
(33) European Patent Office (EPO)

(51) B29C 45/14
B29C 65/36
B29C 65/74
B65B 9/22
B65B 41/16
B65B 51/22
B65B 51/30
H05B 6/10
H05B 6/36
B65B 9/20
(11) EP3318383
(21) EP17199969.1
(47) 08.01.2020
(22) 03.11.2017
(54) METHOD FOR MANUFACTURING AN INDUCTION SEALING HEAD FOR AN AUTOMATIC MACHINE
(73) G.D SOCIETA' PER AZIONI
(72) CARBONI, Salvatore
VITALI, Antonio
BIONDI, Andrea
(31) 201600110556
(32) 03.11.2016
(33) Italy

(51) B29C 45/14
F16C 33/10
F16D 3/40
G01C 15/00
(11) EP3384234
(21) EP16798164.6
(47) 08.01.2020
(87) EP2016078098
08.06.2017
(22) 18.11.2016
(54) METHOD FOR MANUFACURING A PENDULUM ARRANGEMENT OF A PENDULUM LASER APPARATUS AND PENDULUM LASER APPARATUS
(73) Robert Bosch GmbH
(72) GEISE, Stephan
(31) 102015223643
(32) 30.11.2015
(33) Germany

(51) B29C 45/26
B29C 45/27
B29C 45/73
B29K 81/00
B29L 31/34
(11) EP3292977
(21) EP16811255.5
(47) 08.01.2020
(87) JP2016051637
22.12.2016
(22) 21.01.2016
(54) HOT RUNNER MOLD APPARATUS FOR MOLDING ULTRA-THIN ANNULAR RESIN BODY, AND A MOLD SYSTEM PROVIDED WITH HOT RUNNER MOLD APPARATUS
(73) Shoki Co., Ltd.
(72) ISAYAMA,Shuichi
(31) 2015121684
(32) 17.06.2015
(33) Japan

(51) B29C 45/27
B29C 45/28
(11) EP3242784
(21) EP15860305.0
(47) 08.01.2020
(87) US2015060792
26.05.2016
(22) 16.11.2015
(54) HOT RUNNER NOZZLE WITH A GATE PRESSURE EQUALIZER
(73) Husky Injection Molding Systems Ltd.
(72) JENKO, Edward Joseph
(31) 201462080477 P
(32) 17.11.2014
(33) United States of America

(51) B29C 45/76
(11) EP3233414
(21) EP15832880.7
(47) 08.01.2020
(87) DE2015100529
23.06.2016
(22) 09.12.2015
(54) METHOD AND DEVICE FOR POTTING AN LED LUMINAIRE POTTED IN A POTTING COMPOUND
(73) Geomar Helmholtz-Zentrum für Ozeanforschung Kiel
(72) STICKLUS, Jan
KWASNITSCHKA, Tom

HÖHER, Peter, Adam
(31) 102014118671
102014118672
(32) 15.12.2014
15.12.2014
(33) Germany
Germany

(51) B29C 48/025
B29C 48/25
B29C 48/885
B29C 48/90
(11) EP2926974
(21) EP14163411.3
(47) 08.01.2020
(22) 03.04.2014
(54) Dual cooling and calibrating unit for the extrusion of hollow plastic profiles in adjacent extrusion lines operated in pairs
(73) Veka AG
(72) Drees, Daniel

(51) B29C 49/04
B29C 49/78
B29C 48/09
B29C 48/25
B29C 48/32
B29C 48/92
(11) EP2919961
(21) EP13811118.2
(47) 08.01.2020
(87) EP2013003383
22.05.2014
(22) 09.11.2013
(54) PARISON HEAD WITH TRIFUNCTIONAL COMPONENT AND METHOD FOR OPTIMIZING THE WALL THICKNESS OF A MOLTEN TUBE
(73) Gross, Heinz
(72) Gross, Heinz
(31) 102012022409
(32) 15.11.2012
(33) Germany

(51) B29C 49/06
B29C 49/42
B29C 49/48
B29C 49/78
B29K 67/00
B29L 31/00
(11) EP3470203
(21) EP18199146.4
(47) 08.01.2020
(22) 08.10.2018
(54) MOULDING UNIT EQUIPPED WITH A BOXING SYSTEM WITH PROPORTIONAL SOLENOID VALVE
(73) Sidel Participations
(72) DERRIEN, Mikaël
(31) 1759657
(32) 16.10.2017
(33) France

(51) B29C 49/06
B29C 49/42
B29C 49/78
(11) EP3409442
(21) EP17305654.0
(47) 08.01.2020
(22) 02.06.2017
(54) IMPROVED SYSTEM AND METHOD FOR SYNCHRONIZATION OF A CONTAINER FORMING MACHINE AND A CONTAINER PROCESSING MACHINE IN A CONTAINER PROCESSING PLANT
(73) Sidel Participations
(72) SORBI, Federica

(51) B29C 51/02
B29K 29/00
B29L 7/00
B32B 27/08
B32B 27/28
B32B 27/30
B32B 27/32
B32B 27/34
B32B 27/36
B32B 27/40
B29C 48/00
B29C 48/08
B29C 48/21
B32B 7/02
(11) EP2554372
(21) EP11765639.7
(47) 08.01.2020
(87) JP2011058010
13.10.2011
(22) 30.03.2011
(54) MULTILAYERED STRUCTURE AND LAMINATE AND METHOD FOR PRODUCTION OF THE SAME
(73) Kuraray Co., Ltd.
(72) TAI Shinji
KAWAI Hiroshi
YAMAKOSHI Satoshi
ISOYAMA Kouta
HIKASA Masao
(31) 2010084719
(32) 31.03.2010
(33) Japan

(51) B29C 55/00
B32B 27/00
C08J 5/18
C08J 9/00
C08K 7/00
C08L 23/00
C08L 23/10
(11) EP3008116
(21) EP14810995.2
(47) 08.01.2020
(87) IB2014062015
18.12.2014
(22) 06.06.2014
(54) POLYOLEFIN MATERIAL HAVING A LOW DENSITY
(73) Kimberly-Clark Worldwide, Inc.
(72) TOPOLKARAEV, Vasily, A.
MCENEANY, Ryan, J.
CARRILLO, Antonio J.
(31) 201361833980 P
201361907572 P
(32) 12.06.2013
22.11.2013
(33) United States of America
United States of America

(51) B29C 55/08
(11) EP2979843
(21) EP14772776.2
(47) 08.01.2020
(87) JP2014057813
02.10.2014
(22) 20.03.2014
(54) TENTER OVEN AND METHOD FOR MANUFACTURING THERMOPLASTIC RESIN FILM
(73) Toray Industries, Inc.
(72) TAKADA, Takahiro
ASO, Hiroyuki
INOUE, Hiroyuki
(31) 2013073953
2013073954
(32) 29.03.2013
29.03.2013
(33) Japan
Japan

(51) B29C 63/42
F16L 58/18
(11) EP3208069
(21) EP17166124.2
(47) 08.01.2020
(22) 08.11.2012
(54) METHOD AND APPARATUS FOR HEATING HEAT-SHRINKABLE PIPE SLEEVES
(73) SAIPEM S.p.A.
(72) CITTADINI BELLINI, Serafino
BREGONZIO, Valerio
(31) 201119345
(32) 09.11.2011
(33) United Kingdom

(51) B29C 65/00
B29C 65/02
B29C 65/82
G01B 11/24
G01N 21/952
(11) EP2963380
(21) EP14175829.2
(47) 08.01.2020
(22) 04.07.2014
(54) Contactless inspection for butt welding
(73) Georg Fischer Rohrleitungssysteme AG
(72) Reiz, Robert

(51) B29C 65/08
B29C 65/18
B29C 65/74
B29C 65/78
B65B 19/02
B65B 51/30
B65B 57/16
B65B 9/067
(11) EP3308946
(21) EP17001605.9
(47) 08.01.2020
(22) 28.09.2017
(54) METHOD AND DEVICE FOR PRODUCING CIGARETTE PACKAGES
(73) Focke & Co. (GmbH & Co. KG)
(72) Roesler, Burkard
(31) 102016012303
(32) 17.10.2016
(33) Germany

(51) B29C 65/16
B29C 65/48
B29C 65/78
B29K 77/00
B29K 105/12
B62K 19/16
B62M 6/55
(11) EP3152103

(21) EP15728406.8
(47) 08.01.2020
(87) EP2015001075
10.12.2015
(22) 26.05.2015
(54) METHOD FOR MANUFACTURING PLASTIC PEDELEC FRAMES, AND ACCORDINGLY MANUFACTURED PEDELEC FRAME
(73) REHAU AG + Co
(72) OELSCHLEGEL, Alexander
SONNTAG, Martin
RINESCH, Daniel
(31) 102014107852
(32) 04.06.2014
(33) Germany

(51) B29C 65/16
D21F 1/00
(11) EP3084072
(21) EP14812225.2
(47) 08.01.2020
(87) EP2014077532
25.06.2015
(22) 12.12.2014
(54) WOVEN-FABRIC BELT FOR A FIBROUS-WEB MACHINE
(73) Voith Patent GmbH
(72) JOU, Juanhao
QUIGLEY, Scott D.
(31) 102013226324
201361917053 P
(32) 17.12.2013
17.12.2013
(33) Germany
United States of America

(51) B29C 65/18
B65B 7/28
B65B 29/02
B65B 51/14
B65B 69/00
B65D 77/20
(11) EP3018061
(21) EP14819439.2
(47) 08.01.2020
(87) JP2014067255
08.01.2015
(22) 27.06.2014
(54) SEAL HEAD, AND CONTAINER SEALED USING SAID SEAL HEAD
(73) Suntory Holdings Limited
(72) BUSHIDA Mitsuru
TANAKA Daisuke
KADO Takashi
YOKOYAMA Hiroki
KITAMASU Masayuki
(31) 2013138353
(32) 01.07.2013
(33) Japan

(51) B29C 65/36
B29C 65/74
B65B 51/22
B65B 51/30
H05B 6/10
H05B 6/36
B65B 9/20
(11) EP3318391
(21) EP17200002.8
(47) 08.01.2020
(22) 03.11.2017
(54) INDUCTION SEALING HEAD FOR AN AUTOMATIC MACHINE
(73) G.D SOCIETA' PER AZIONI
(72) CARBONI, Salvatore
NAVACCHIA, Eugenio
VITALI, Antonio
BIONDI, Andrea
(31) 201600110615
(32) 03.11.2016
(33) Italy

(51) B29C 67/20
B29C 67/24
B29K 27/06
(11) EP3375599
(21) EP18161126.0
(47) 08.01.2020
(22) 11.03.2018
(54) MICROSPHERES AND PVC CONTAINING MATERIAL FOR HOT-MOLDING
(73) Tryonic Ltd
(72) Paronetto, Giuseppe
Del Guasta, Andrea
(31) 201700028974
(32) 16.03.2017
(33) Italy

(51) B29C 70/16
B29C 70/70
B29L 31/08
F03D 1/06
H02K 15/12
(11) EP3393017
(21) EP17866238.3
(47) 08.01.2020
(87) CN2017099021
03.05.2018
(22) 25.08.2017
(54) VACUUM INFUSION, IMPREGNATION AND CURING SYSTEM, AND VACUUM INFUSION APPARATUS AND PROCESS FOR MAGNETIC POLE PROTECTION COATING
(73) Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
(72) MA, Shengjun
MA, Wanshun
(31) 201610932194
(32) 31.10.2016
(33) China

(51) B29C 73/10
B64C 11/14
F01D 5/00
F01D 5/30
(11) EP3249163
(21) EP17172282.0
(47) 08.01.2020
(22) 22.05.2017
(54) SYSTEM AND METHOD FOR NOSE CONE EDGE DELAMINATION REPAIR
(73) United Technologies Corporation
(72) HOLLAND, Brian K.
(31) 201615162104
(32) 23.05.2016
(33) United States of America

(51) B29C 73/16
B29D 30/06
B60C 5/14
B60C 19/12
(11) EP3431310
(21) EP18181143.1
(47) 08.01.2020
(22) 02.07.2018
(54) PNEUMATIC TIRE AND A METHOD FOR MANUFACTURING THE SAME
(73) Sumitomo Rubber Industries, Ltd.
(72) SATO, Takuya
(31) 2017141142
(32) 20.07.2017
(33) Japan

(51) B29D 11/00
B29L 11/00
(11) EP3311994
(21) EP16195137.1
(47) 08.01.2020
(22) 21.10.2016
(54) 3D PRINTING METHOD FOR THE PRODUCTION OF A SPECTACLE LENS
(73) Carl Zeiss Vision International GmbH
(72) von Blanckenhagen, Bernhard
Totzeck, Michael
Glöge, Thomas

(51) B29D 30/00
B60B 5/02
B60C 7/10
B60C 7/12
(11) EP3235658
(21) EP15868740.0
(47) 08.01.2020
(87) BR2015050213
23.06.2016
(22) 10.11.2015
(54) FLEXIBLE WHEEL FOR A WHEELBARROW OR HAND-PROPELLED INDUSTRIAL CARTS
(73) Turozi, Alexandre Santos
(72) OXLEY, Alexandro
(31) 202014032129 U
(32) 19.12.2014
(33) Brazil

(51) B29D 30/06
B29D 30/30
B32B 25/08
B32B 25/12
B32B 25/18
B32B 27/08
B32B 27/18
B32B 27/28
B32B 27/30
B32B 27/34
B32B 38/00
B60C 1/00
B60C 5/14
(11) EP3330067
(21) EP18152211.1
(47) 08.01.2020
(22) 27.07.2012
(54) METHOD FOR MANUFACTURING PNEUMATIC TIRES
(73) Sumitomo Rubber Industries, Ltd.
(72) IMOTO, Yoji
SUGIMOTO, Mutsuki
(31) 2011219824
2011231680
2011234798
2011245507

2011255133
2011260390
2012067250
(32) 04.10.2011
21.10.2011
26.10.2011
09.11.2011
22.11.2011
29.11.2011
23.03.2012
(33) Japan
Japan
Japan
Japan
Japan
Japan
Japan

(51) B29D 30/30
B29D 30/32
B29D 30/52
B29D 30/60
B29D 30/72
B60C 11/00
B60C 13/00
B60C 19/08
(11) EP3205489
(21) EP15858985.3
(47) 08.01.2020
(87) JP2015081045
19.05.2016
(22) 04.11.2015
(54) PNEUMATIC TIRE MANUFACTURING METHOD
(73) Sumitomo Rubber Industries, Ltd.
(72) SAKAMOTO, Masayuki
UEDA, Kenji
SAGAWA, Takamichi
(31) 2014228350
(32) 10.11.2014
(33) Japan

(51) B30B 11/20
F16C 19/38
(11) EP2648899
(21) EP11791515.7
(47) 08.01.2020
(87) EP2011071256
14.06.2012
(22) 29.11.2011
(54) PRESS FOR PRESSING A MATERIAL
(73) Aktiebolaget SKF
(72) AGGÜL, Ilim
HEEGE, Thomas
IWERS, Björn
KRÖGER, Jan
LEMPER, Peter
PFEUFFER, Christina
(31) 102010062477
(32) 06.12.2010
(33) Germany

(51) B30B 15/02
B41F 1/38
B41F 1/56
(11) EP3272534
(21) EP17182687.8
(47) 08.01.2020
(22) 21.07.2017
(54) DIE ASSEMBLY AND LOCATING METHOD
(73) SilDie Systems Limited
(72) Cook, Chris
(31) 201612761
(32) 22.07.2016
(33) United Kingdom

(51) B31B 50/04
B31B 50/62
B31B 50/80
B31B 50/81
B31B 105/00
B31B 110/35
B31B 120/10
B31B 120/30
B31B 120/50
(11) EP3299159
(21) EP17001522.6
(47) 08.01.2020
(22) 12.09.2017
(54) METHOD AND DEVICE FOR PRODUCING SHOULDER BOXES
(73) Focke & Co. (GmbH & Co. KG)
(72) Albrecht, Peter
Storcks, Andreas
Vujevic, Aleksandar
(31) 102016011458
(32) 23.09.2016
(33) Germany

(51) B31D 3/04
B65D 81/03
B31D 1/00
B31D 5/00
(11) EP3218177
(21) EP15804254.9
(47) 08.01.2020
(87) US2015060638
19.05.2016
(22) 13.11.2015
(54) APPARATUS FOR EXPANDING A SLIT SHEET MATERIAL TO FORM AN EXPANDED PACKAGING PRODUCT
(73) Ranpak Corporation
(72) CHEICH, Robert
DEMERS, Raimond
HUBERTUS, Cals
URBAN, Peter
PAGE, Brandon C
ZENOZ, Richard S
ESPINOZA, Daniel A
(31) 201462078972 P
201562109887 P
(32) 13.11.2014
30.01.2015
(33) United States of America
United States of America

(51) B32B 1/08
B32B 3/28
B32B 5/02
B32B 7/12
B32B 15/04
B32B 15/14
B32B 15/20
(11) EP3411223
(21) EP18715409.1
(47) 18.12.2019
(87) US2018022708
20.09.2018
(22) 15.03.2018
(54) CORRUGATED HEAT PROTECTION TUBE AND METHODS OF MAKING THE SAME
(73) Novelis Inc.
(72) MUELLER, Christian
MERTENS, Burkhard
WEBER, Marc Philipp
(31) 201762471402 P
(32) 15.03.2017
(33) United States of America

(51) B32B 1/08
B32B 25/04
B32B 25/08
B32B 25/14
B32B 25/16
B32B 27/08
B32B 27/18
B32B 27/26
B32B 27/28
B32B 27/30
B32B 27/32
B32B 27/38
F16L 11/04
(11) EP2639059
(21) EP11840574.5
(47) 08.01.2020
(87) JP2011075923
18.05.2012
(22) 10.11.2011
(54) LAMINATE BODY
(73) Daikin Industries, Ltd.
Osaka Soda Co., Ltd.
(72) MASUI,Toshiaki
INABA,Takeshi
KUWAJIMA,Yuuki
HAMAGUCHI,Koshiro
KITAGAWA,Motoki
(31) 2011045942
2010254309
(32) 03.03.2011
12.11.2010
(33) Japan
Japan

(51) B32B 3/26
C04B 38/06
(11) EP3013575
(21) EP14818712.3
(47) 08.01.2020
(87) US2014044939
31.12.2014
(22) 30.06.2014
(54) AN INTERCONNECTED POROUS NETWORK STRUCTURE AND PRODUCTION METHOD THEREOF
(73) President and Fellows of Harvard College
(72) AIZENBERG, Joanna
SHIRMAN, Tanya
VOGEL, Nicolas
KOLLE, Mathias
AIZENBERG, Michael
(31) 201361840991 P
(32) 28.06.2013
(33) United States of America

(51) B32B 5/02
B32B 7/12
B32B 17/04
B32B 27/04
B32B 27/08

B32B 27/12
B32B 27/32
B32B 27/38
B32B 37/06
C09J 153/02
(11) EP2548737
(21) EP11756324.7
(47) 08.01.2020
(87) JP2011056116
22.09.2011
(22) 15.03.2011
(54) REINFORCING SHEET FOR RESIN MOLDED ARTICLE, REINFORCED STRUCTURE OF RESIN MOLDED ARTICLE, AND REINFORCING METHOD
(73) Nitto Denko Corporation
(72) MASE, Takuya
FUJII, Takahiro
GOMI, Asuka
(31) 2011051462
2010062029
(32) 09.03.2011
18.03.2010
(33) Japan
Japan

(51) B32B 9/00
B32B 15/08
B32B 15/092
C23F 1/16
C23F 1/32
C23F 11/18
(11) EP2127865
(21) EP08721955.6
(47) 08.01.2020
(87) JP2008054539
25.09.2008
(22) 12.03.2008
(54) ALUMINUM ALLOY COMPOSITE AND METHOD OF BONDING THEREFOR
(73) Taisei Plas Co., Ltd.
(72) NARITOMI, Masanori
ANDO, Naoki
(31) 2007062376
(32) 12.03.2007
(33) Japan

(51) B32B 9/04
B32B 19/02
C04B 41/45
E04C 2/26
(11) EP2739471
(21) EP08850169.7
(47) 08.01.2020
(87) EP2008009574
22.05.2009
(22) 12.11.2008
(54) PRESTRESSED STONE CARRIER
(73) Kuse, Kolja
(72) Kuse, Kolja
(31) 202007015789 U
(32) 13.11.2007
(33) Germany

(51) B32B 15/01
C22C 13/00
C25D 3/12
C25D 3/30
C25D 3/38
C25D 5/12
C25D 5/50
C25D 7/00
H01R 13/03
(11) EP3192896
(21) EP15840443.4
(47) 08.01.2020
(87) JP2015073132
17.03.2016
(22) 18.08.2015
(54) TIN-PLATED COPPER ALLOY TERMINAL MATERIAL AND METHOD FOR PRODUCING SAME
(73) Mitsubishi Materials Corporation
(72) KATO, Naoki
INOUE, Yuki
NAKAYA, Kiyotaka
(31) 2014185033
(32) 11.09.2014
(33) Japan

(51) B32B 15/04
B32B 27/34
H01L 51/54
(11) EP2977199
(21) EP14846976.0
(47) 08.01.2020
(87) KR2014009240
02.04.2015
(22) 30.09.2014
(54) SUBSTRATE FOR ORGANIC ELECTRONIC DEVICE
(73) LG Display Co., Ltd.
(72) KIM, Ji Hee
PARK, Hang Ah
LEE, Sang Jun
JEONG, Hye Won
LEE, Jung Hyoung
SHIN, Bo Ra
IM, Mi Ra
(31) 20130116617
20140131911
(32) 30.09.2013
30.09.2013
(33) Korea (Republic)
Korea (Republic)

(51) B32B 15/08
B32B 27/04
C08J 5/24
C08K 5/5425
C08K 5/549
C08L 71/12
C08L 83/07
H05K 1/03
H05K 3/00
(11) EP2927281
(21) EP13858022.0
(47) 08.01.2020
(87) CN2013070774
05.06.2014
(22) 21.01.2013
(54) RESIN COMPOSITION AND USE THEREOF
(73) Shengyi Technology Co., Ltd
(72) CHEN, Guangbing
ZENG, Xianping
(31) 201210492434
(32) 27.11.2012
(33) China

(51) B32B 17/10
C03C 27/12
(11) EP3007898
(21) EP14734703.3
(47) 08.01.2020
(87) US2014041689
18.12.2014
(22) 10.06.2014
(54) POLYMER INTERLAYERS HAVING IMPROVED OPTICAL PROPERTIES
(73) Solutia Inc.
(72) LU, Jun
CHEN, Wenjie
(31) 201361833205 P
201414299975
201414299996
201414299945
(32) 10.06.2013
09.06.2014
09.06.2014
09.06.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) B32B 17/10
H01L 31/02
H01L 31/042
H01L 31/048
H01L 31/049
H01L 31/05
H01L 31/056
(11) EP2980859
(21) EP14775423.8
(47) 08.01.2020
(87) JP2014050208
02.10.2014
(22) 09.01.2014
(54) SOLAR CELL MODULE
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) IMADA, Naoto
(31) 2013063974
(32) 26.03.2013
(33) Japan

(51) B32B 21/04
B32B 21/08
B32B 21/14
B32B 25/02
B32B 25/04
B32B 25/08
B32B 25/10
B32B 25/12
B32B 25/16
B32B 25/18
B32B 27/06
B32B 27/08
B32B 27/10
B32B 27/20
B32B 27/28
C08K 3/34
E04B 9/04
(11) EP3402838
(21) EP16739153.1
(47) 08.01.2020
(87) EP2016066925
20.07.2017
(22) 15.07.2016
(54) COVERING PANEL AND PROCESS OF PRODUCING COVERING PANELS

(73) Beaulieu International Group NV
(72) VAN GIEL, Frans
LOMBAERT, Pol
WYSEUR, Matthias
BEVERNAGE, Leo Marie Richard
(31) PCT/EP2016/050733
(32) 15.01.2016
(33) World Intellectual Property Office (WIPO)

(51) B32B 27/16
B32B 27/32
H01L 31/05
(11) EP3165361
(21) EP15193339.7
(47) 08.01.2020
(22) 06.11.2015
(54) POLYMER CONDUCTOR SHEETS, SOLAR CELLS AND METHODS FOR PRODUCING SAME
(73) Meyer Burger (Switzerland) AG
(72) GRAGERT, Maria
SÖDERSTRÖM, Thomas
GRISCHKE, Rainer
YAO, Yu
LI, Hengyu

(51) B32B 27/30
B65D 30/02
B65D 65/02
B65D 65/40
C08J 5/18
C08J 7/04
C08L 33/02
C08L 35/00
(11) EP1561774
(21) EP03723178.4
(47) 08.01.2020
(87) JP2003005173
06.11.2003
(22) 23.04.2003
(54) FILM AND PROCESS FOR PRODUCING THE SAME
(73) Toppan Printing Co., Ltd.
(72) TANAKA, Hideaki, Packaging Materials Res. Lab.
OBA, Hiroyuki, Packaging Materials Res. Lab.
YAMAZAKI, Masahiro, Packaging Materials Res. Lab
HASEGAWA, Tomohisa, Packaging Materials Res. Lab.
(31) 2002121246
(32) 23.04.2002
(33) Japan

(51) B32B 29/00
B32B 29/06
D21H 11/04
D21H 21/18
D21H 21/20
D21H 27/00
D21H 27/02
D21H 27/30
D21H 27/40
(11) EP2737129
(21) EP12745947.7
(47) 08.01.2020
(87) US2012047802
31.01.2013
(22) 23.07.2012
(54) HIGH SOFTNESS, HIGH DURABILITY BATH TISSUE WITH TEMPORARY WET STRENGTH
(73) GPCP IP Holdings LLC
(72) MILLER, Joseph H.
SUMNICHT, Daniel W.
ORIARAN, T. Philips
SCHUH, Brian J.
RAMIREZ, Alberto J.
LEE, Jeffrey A.
(31) 201161457991 P
201213548600
(32) 28.07.2011
13.07.2012
(33) United States of America
United States of America

(51) B32B 38/14
B41M 5/52
B44C 5/04
(11) EP3253588
(21) EP16701615.3
(47) 08.01.2020
(87) EP2016051465
11.08.2016
(22) 25.01.2016
(54) METHOD FOR PRODUCING A PRINTING SUBSTRATE AND FOR PRODUCING A DIRECTLY PRINTED DECORATIVE PANEL
(73) Surface Technologies GmbH & Co. KG
(72) BUHLMANN, Carsten
(31) 15153671
(32) 03.02.2015
(33) European Patent Office (EPO)

(51) B32B 38/18
B32B 41/00
B60R 13/10
(11) EP3354458
(21) EP18154212.7
(47) 08.01.2020
(22) 30.01.2018
(54) LAMINATING MACHINE FOR LAMINATING ACRYLIC LICENSE PLATES
(73) INDUSTRIAS SAMAR'T, S.A.
(72) SÁNCHEZ CASADEVALL, Enrique
(31) 201730111
(32) 31.01.2017
(33) Spain

(51) B33Y 30/00
B33Y 50/02
B29C 64/165
B29C 64/20
(11) EP3140103
(21) EP15789216.7
(47) 08.01.2020
(87) US2015000056
12.11.2015
(22) 04.05.2015
(54) MULTI-MATERIAL THREE DIMENSIONAL PRINTER
(73) EoPlex Limited
(72) ROGREN, Philip E.
(31) 201461988266 P
(32) 04.05.2014
(33) United States of America

(51) B41C 1/12
B41M 3/06
G02B 3/00
H04N 1/00
G02B 27/22
(11) EP2842304
(21) EP13728536.7
(47) 08.01.2020
(87) IL2013050359
31.10.2013
(22) 25.04.2013
(54) METHODS AND SYSTEMS OF GENERATING A LENTICULAR ARTICLE USING A PRINTING BLANKET
(73) HumanEyes Technologies Ltd.
(72) BIN-NUN, Shahar
DENON, Ben
BAR, Anton
(31) 201261637878 P
(32) 25.04.2012
(33) United States of America

(51) B41F 5/24
B41F 27/10
B41F 31/26
(11) EP3261844
(21) EP16719466.1
(47) 08.01.2020
(87) IB2016000186
01.09.2016
(22) 24.02.2016
(54) ROLLER OF A FLEXOGRAPHIC PRINTING MACHINE AND FLEXOGRAPHIC PRINTING MACHINE
(73) Zenit S.p.A.
(72) GASPARINI, Antonino
(31) PI20150009
(32) 24.02.2015
(33) Italy

(51) B41F 7/26
B41F 31/14
B41F 33/00
B41F 33/10
(11) EP3132933
(21) EP16751140.1
(47) 08.01.2020
(87) JP2016064312
08.12.2016
(22) 13.05.2016
(54) DAMPENING WATER APPARATUS FOR PRINTING MACHINES AND PRINTING MACHINE EQUIPPED WITH SAME
(73) I. Mer Co., Ltd.
(72) IZUME, Masayuki
(31) 2015112932
2015226386
(32) 03.06.2015
19.11.2015
(33) Japan
Japan

(51) B41F 9/10
B41F 9/16
B41F 35/00
(11) EP3406448
(21) EP18172471.7
(47) 08.01.2020
(22) 15.05.2018
(54) CLEANING CYLINDER ARRANGEMENT FOR INTAGLIO PRINTING MACHINE
(73) Officina Riparazioni Macchine Grafiche-O.R.M.A.G.- S.P.A.

(72) RIPAMONTI, Maurizio
(31) 201700056347
(32) 24.05.2017
(33) Italy

(51) B41F 19/00
B41J 2/005
B41J 2/01
B41J 11/00
(11) EP2867024
(21) EP13730523.1
(47) 08.01.2020
(87) EP2013062418
09.01.2014
(22) 14.06.2013
(54) METHOD AND APPARATUS FOR APPLYING A PRINT AND A TRANSFER COATING ONTO A SUBSTRATE
(73) Leonhard Kurz Stiftung & Co. KG
(72) PLAIA, Ulrike
PFORTE, Klaus
(31) 102012105854
(32) 02.07.2012
(33) Germany

(51) B41F 27/12
B41F 30/04
B41N 6/00
(11) EP3166793
(21) EP15819380.5
(47) 08.01.2020
(87) US2015040003
14.01.2016
(22) 10.07.2015
(54) PRINTING PLATE CONNECTION SYSTEMS
(73) VELCRO BVBA
(72) CLARNER, Mark A.
PARELLADA ARMELA, Luis
SOLER CARBONELL, Josep
COLLINS, Andrew P.
ERICKSON, Paul R.
GALLANT, Christopher M.
VILLENEUVE, David
(31) 201462022889 P
(32) 10.07.2014
(33) United States of America

(51) B41J 2/005
B41J 2/01
B41J 2/21
B41J 11/00
B41M 5/025
B41M 5/03
B41N 10/00
(11) EP3044011
(21) EP14802138.9
(47) 08.01.2020
(87) IB2014002366
19.03.2015
(22) 11.09.2014
(54) TREATMENT OF RELEASE LAYER
(73) Landa Corporation Ltd.
(72) LANDA, Benzion
SORIA, Meir
ABRAMOVICH, Sagi
(31) 201361876747 P
201361877277 P
(32) 11.09.2013
12.09.2013
(33) United States of America

United States of America

(51) B41J 2/01
B41J 2/175
B41J 2/18
(11) EP3385082
(21) EP16870456.7
(47) 08.01.2020
(87) JP2016084064
08.06.2017
(22) 17.11.2016
(54) INKJET RECORDING DEVICE
(73) Konica Minolta, Inc.
(72) KOYAMA, Nobuhiko
KOMADA, Naoya
(31) 2015234881
(32) 01.12.2015
(33) Japan

(51) B41J 2/01
B41J 11/00
(11) EP3093148
(21) EP16168997.1
(47) 08.01.2020
(22) 10.05.2016
(54) PRINTING APPARATUS
(73) Mimaki Engineering Co., Ltd.
(72) HARAYAMA, Ryuta
AKUTA, Shunsuke
YAMABE, Katsutoshi
AMARI, Tomonori
FURUKAWA, Yoshikazu
KAMIMURA, Hiroki
KUDO, Yusaku
(31) 2015100579
(32) 15.05.2015
(33) Japan

(51) B41J 2/045
B41J 2/155
B41J 29/02
(11) EP2961607
(21) EP13876298.4
(47) 08.01.2020
(87) US2013028448
04.09.2014
(22) 28.02.2013
(54) PRINT HEAD BIT INFORMATION MAPPING
(73) Hewlett-Packard Development Company, L.P.
(72) CLARK, Garrett E.
BAKKER, Christopher H.
TOR, Yit Hong
ABADILLA, Glory J.
PHILLIPS, Andrew
MCCLOY, Glenn D.

(51) B41J 2/045
B41J 3/407
B41J 11/06
B41J 25/00
H01L 21/67
H01L 21/68
H01L 21/768
G06T 7/00
(11) EP3405972
(21) EP17704097.9
(47) 08.01.2020
(87) NL2017050038
27.07.2017
(22) 20.01.2017
(54) INKJET PRINTING SYSTEM AND METHOD FOR PROCESSING SUBSTRATES
(73) Meyer Burger (Netherlands) B.V.
(72) VERHEIJEN, Johan
VAN DIJK, Laurentius Hendrikus Adrianus
(31) 2016137
(32) 21.01.2016
(33) Netherlands

(51) B41J 2/14
(11) EP3169523
(21) EP15733333.7
(47) 08.01.2020
(87) DE2015000283
21.01.2016
(22) 11.06.2015
(54) INKJET PRINTING METHOD, AND ASSEMBLY FOR CARRYING OUT THE METHOD
(73) Forschungszentrum Jülich GmbH
(72) YAKUSHENKO, Alexey
BACHMANN, Bernd
WOLFRUM, Bernhard
(31) 102014010643
(32) 17.07.2014
(33) Germany

(51) B41J 2/175
(11) EP3437878
(21) EP17184057.2
(47) 08.01.2020
(22) 31.07.2017
(54) PRINTING-FLUID CARTRIDGE AND SYSTEM INCLUDING THE PRINTING-FLUID CARTRIDGE AND PRINTING-FLUID CONSUMING APPARATUS
(73) Brother Kogyo Kabushiki Kaisha
(72) NAKAZAWA, Fumio
TOMOGUCHI, Suguru
NUKUI, Kosuke
TAKAHASHI, Hiroaki
ONO, Akihito
MIYAO, Takahiro

(51) B41J 2/175
B41J 29/393
H01M 6/50
H01M 10/42
H04L 9/32
H04N 1/00
(11) EP2761311
(21) EP11873110.8
(47) 08.01.2020
(87) US2011054162
04.04.2013
(22) 30.09.2011
(54) AUTHENTICATION SYSTEMS AND METHODS
(73) Hewlett-Packard Development Company, L.P.
(72) RICE, Huston, W.
NOVAK, David, B.
NESS, Erik, D.
HALL, Brendan

(51) B41J 2/21
B41M 5/00
B41M 7/00
C09D 11/38
C09D 11/40
(11) EP3326828

(21) EP16827578.2
(47) 08.01.2020
(87) JP2016069206
26.01.2017
(22) 29.06.2016
(54) INKJET RECORDING METHOD USING COLORED INK
(73) Konica Minolta, Inc.
(72) TAKAKU, Yusuke
IKEDA, Masashi
YAZAKI, Yuka
NISHIYAMA, Hiromichi
(31) 2015143928
(32) 21.07.2015
(33) Japan

(51) B41J 2/21
G01N 21/892
H04N 1/00
(11) EP3305532
(21) EP17193077.9
(47) 08.01.2020
(22) 26.09.2017
(54) IMAGE INSPECTION DEVICE, IMAGE INSPECTION METHOD, PROGRAM, AND INK JET PRINTING SYSTEM
(73) Fujifilm Corporation
(72) UESHIMA, Masashi
(31) 2016188700
(32) 27.09.2016
(33) Japan

(51) B41J 2/315
B41M 7/00
F26B 21/10
(11) EP3230071
(21) EP14902393.9
(47) 08.01.2020
(87) US2014056918
31.03.2016
(22) 23.09.2014
(54) DRYER WITH A FLOW VALVE
(73) Hewlett-Packard Development Company, L.P.
(72) SMITH, David E.

(51) B41J 3/28
B41J 11/00
B41J 11/06
(11) EP3017957
(21) EP14191640.3
(47) 08.01.2020
(22) 04.11.2014
(54) A large inkjet flatbed table
(73) AGFA NV
(72) De Roeck, Luc

(51) B41J 3/407
B41J 11/00
(11) EP2965915
(21) EP14175926.6
(47) 08.01.2020
(22) 07.07.2014
(54) Apparatus and method for printing and drying at least one hollowed cylindrical body
(73) Martinenghi S.r.l.
(72) Venturelli, Paolo

(51) B41J 3/407
B41J 11/00
B41J 11/06
(11) EP3374187
(21) EP16794626.8
(47) 08.01.2020
(87) EP2016077409
18.05.2017
(22) 11.11.2016
(54) METHOD FOR SECURING A PRINTING PROCESS BY MEANS OF A PRINTER, AND PRINTER FOR PERFORMING THE METHOD
(73) Phoenix Contact GmbH & Co. KG
(72) KLOCKE, Sandra
SCHIERHOLZ, Albrecht
KLAGES, Kilian
(31) 102015119641
(32) 13.11.2015
(33) Germany

(51) B41J 13/00
B65H 7/20
(11) EP2783875
(21) EP13191289.1
(47) 08.01.2020
(22) 01.11.2013
(54) Transporting system, image forming system, and controller
(73) Brother Kogyo Kabushiki Kaisha
(72) Iesaki, Kenichi
(31) 2013072750
(32) 29.03.2013
(33) Japan

(51) B41M 3/14
C09K 11/08
(11) EP2949726
(21) EP15169176.3
(47) 08.01.2020
(22) 26.05.2015
(54) COMPOSITION OF FLUOROPHORES AND USE THEREOF
(73) Cabro S.p.A.
(72) Giannini, Giacomo
Ghini, Giacomo
(31) BO20140308
(32) 26.05.2014
(33) Italy

(51) B41M 5/00
C09B 47/06
C09B 47/073
G02B 5/20
G03G 9/09
C09D 11/00
(11) EP2206751
(21) EP08847382.2
(47) 08.01.2020
(87) JP2008070352
14.05.2009
(22) 07.11.2008
(54) COLORING COMPOSITION, METHOD FOR PRODUCTION THEREOF, AND COLORING METHOD
(73) Dainichiseika Color & Chemicals Mfg. Co., Ltd.
(72) NOGAMI, Atsushi
FUJITA, Toshiyasu
TAKAKAMO, Masanori
SAKAMOTO, Shigeru
NAKAMURA, Michiei
(31) 2007290597
(32) 08.11.2007
(33) Japan

(51) B42D 15/00
G02B 5/28
(11) EP2453269
(21) EP11008891.1
(47) 08.01.2020
(22) 08.11.2011
(54) Thin film element with multi-layer structure
(73) Giesecke+Devrient Currency Technology GmbH
(72) Lochbihler, Hans
(31) 102010050895
(32) 10.11.2010
(33) Germany

(51) B42D 25/23
B42D 25/24
B42D 25/29
B42D 25/351
B42D 25/373
B42D 25/378
B42D 25/45
(11) EP3356152
(21) EP16777744.0
(47) 08.01.2020
(87) GB2016052996
06.04.2017
(22) 27.09.2016
(54) SECURITY PRINT MEDIA AND METHOD OF MANUFACTURE THEREOF
(73) De La Rue International Limited
(72) KEEN, Alan
BAKER, Malcolm
(31) 201517150
(32) 29.09.2015
(33) United Kingdom

(51) B44C 5/04
D21H 17/46
D21H 17/48
D21H 17/51
D21H 19/20
D21H 19/72
D21H 27/18
D21H 27/20
D21H 27/26
(11) EP3351682
(21) EP18158052.3
(47) 08.01.2020
(22) 10.07.2015
(54) LAMINATE FOR COATING A BOARD-LIKE WOOD MATERIAL AND METHOD FOR PRODUCING THE LAMINATE
(73) SWISS KRONO Tec AG
(72) Braun, Roger

(51) B60B 9/00
B60C 7/10
B60C 7/14
B60C 7/22
(11) EP2855169
(21) EP12788870.9
(47) 08.01.2020
(87) IB2012052599
29.11.2012
(22) 24.05.2012
(54) AN AIRLESS TYRE FOR VEHICLES
(73) Prospect SA Investments 121 Limited
(72) LABUSCHAGNE, Pieter Johannes

(51) B60B 19/00
B60B 19/12
(11) EP2871066

(21) EP14191698.1
(47) 08.01.2020
(22) 04.11.2014
(54) Omni-directional wheel and omni-directional vehicle including the same
(73) Whill Inc.
(72) Bando, Kazuo
Naito, Junpei
(31) 2013232303
(32) 08.11.2013
(33) Japan

(51) B60C 1/00
(11) EP3381712
(21) EP18154323.2
(47) 08.01.2020
(22) 31.01.2018
(54) TIRE WITH REDUCED CAVITY NOISE
(73) Hankook Tire Co., Ltd.
(72) Seo, Byeong Ho
Park, Ju Geon
Kang, Chang Hwan
Kim, Hak Joo
(31) 20170041701
(32) 31.03.2017
(33) Korea (Republic)

(51) B60C 1/00
C08C 19/28
C08L 5/00
(11) EP3380531
(21) EP16813012.8
(47) 08.01.2020
(87) FR2016053068
01.06.2017
(22) 24.11.2016
(54) REINFORCED RUBBER COMPOSITION COMPRISING A FUNCTIONAL DIENE ELASTOMER
(73) Compagnie Générale des Etablissements Michelin
(72) FLEURY, Etienne
SALIT, Anne-Frédérique
BELZ, Justin
(31) 1561450
(32) 27.11.2015
(33) France

(51) B60C 1/00
C08F 236/04
C08K 3/04
C08L 7/00
C08L 9/00
C08L 15/00
C08L 23/16
C08L 101/00
(11) EP2671895
(21) EP12741499.3
(47) 08.01.2020
(87) JP2012000690
09.08.2012
(22) 01.02.2012
(54) COPOLYMER OF CONJUGATED DIENE COMPOUND AND NON-CONJUGATED OLEFIN, RUBBER COMPOSITION, RUBBER COMPOSITION FOR TIRE TREAD, CROSSLINKED RUBBER COMPOSITION AND TIRE
(73) Bridgestone Corporation
(72) HORIKAWA, Yasuo
KAITA, Shojiro
TARDIF, Olivier
MATSUSHITA, Junko
(31) 2011023406
2011044515
(32) 04.02.2011
01.03.2011
(33) Japan
Japan

(51) B60C 1/00
C08K 3/04
C08L 7/00
C08L 9/00
C08L 71/02
(11) EP3214121
(21) EP15863329.7
(47) 08.01.2020
(87) JP2015083324
02.06.2016
(22) 27.11.2015
(54) RUBBER COMPOSITION FOR TIRES, AND PNEUMATIC TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) TOKIMUNE, Ryuichi
KITAMURA, Naoya
KAWAGUCHI, Kouji
HASHIMOTO, Naoya
(31) 2014241872
(32) 28.11.2014
(33) Japan

(51) B60C 1/00
C08K 3/06
C08K 5/44
C08K 9/10
C08L 7/00
C08L 9/00
C08L 21/00
(11) EP3476893
(21) EP18201693.1
(47) 18.12.2019
(22) 22.10.2018
(54) RUBBER COMPOUND FOR TYRE PORTIONS
(73) Bridgestone Corporation
(72) Straffi, Paolo
AGORETTI, Pasquale
HOUSE, JOHN NAZARENO
D'ALFONSO, Claudio
Nanni, Francesca
Mori, Stefano
Cherubini, Valeria
(31) 201700122730
(32) 27.10.2017
(33) Italy

(51) B60C 1/00
C08K 3/22
C08K 3/36
C08K 9/02
C08L 21/00
(11) EP3309210
(21) EP16807136.3
(47) 08.01.2020
(87) JP2016002809
15.12.2016
(22) 10.06.2016
(54) RUBBER COMPOSITION AND TIRE
(73) Bridgestone Corporation
(72) SAITOU, Kouichi
(31) 2015119600
(32) 12.06.2015
(33) Japan

(51) B60C 9/00
C25D 5/48
C25D 7/06
D07B 1/06
D07B 1/16
(11) EP3006621
(21) EP14804931.5
(47) 08.01.2020
(87) JP2014064136
04.12.2014
(22) 28.05.2014
(54) METAL CORD AND RUBBER COMPOSITE-BODY
(73) Bridgestone Corporation
(72) MUSHA Shinichi
KANATOMI Yoshihiko
YAMAGISHI Junichi
(31) 2013114197
(32) 30.05.2013
(33) Japan

(51) B60C 9/20
(11) EP3124288
(21) EP16184634.0
(47) 08.01.2020
(22) 11.11.2011
(54) PNEUMATIC TYRES FOR A VEHICLE
(73) Continental Reifen Deutschland GmbH
(72) Becker, Theresia
Glasewald, Thomas
(31) 102010061329
(32) 17.12.2010
(33) Germany

(51) B60C 11/03
(11) EP3290233
(21) EP17180678.9
(47) 08.01.2020
(22) 11.07.2017
(54) TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) IWATA, Yasutaka
(31) 2016162990
(32) 23.08.2016
(33) Japan

(51) B60C 11/03
(11) EP3323638
(21) EP17200446.7
(47) 08.01.2020
(22) 07.11.2017
(54) TIRE
(73) SUMITOMO RUBBER INDUSTRIES, LTD.
(72) OKADA, Takashi
KAWAGOE, Yoshifumi
(31) 2016220890
2016220891
(32) 11.11.2016
11.11.2016
(33) Japan
Japan

(51) B60C 11/03
B60C 11/04
B60C 11/11
B60C 11/12
(11) EP3260308
(21) EP17174870.0

(47) 08.01.2020
(22) 08.06.2017
(54) TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) MUKAI, Tomoyuki
NAGAHARA, Naoya
NOBUKUNI, Shingo
OSAWA, Eiki
(31) 2016125162
(32) 24.06.2016
(33) Japan

(51) B60C 11/03
B60C 11/11
(11) EP3326841
(21) EP17397527.7
(47) 08.01.2020
(22) 27.11.2017
(54) A GROOVE ARRANGEMENT OF A TREAD FOR A TIRE OR A TREAD BAND
(73) Nokian Renkaat Oyj
(72) PIRHONEN, Juha

(51) B60C 11/03
B60C 11/12
(11) EP3375633
(21) EP18159342.7
(47) 08.01.2020
(22) 01.03.2018
(54) TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) ONITSUKA, Rena
SAWAKAMI, Isao
ARAI, Mahito
(31) 2017051638
2017071927
(32) 16.03.2017
31.03.2017
(33) Japan
Japan

(51) B60C 11/03
B60C 11/13
(11) EP3124291
(21) EP16180328.3
(47) 08.01.2020
(22) 20.07.2016
(54) HEAVY DUTY PNEUMATIC TIRE
(73) SUMITOMO RUBBER INDUSTRIES LIMITED
(72) TANAKA, Kaori
(31) 2015148717
(32) 28.07.2015
(33) Japan

(51) B60C 11/11
B60C 11/12
(11) EP3354484
(21) EP17200053.1
(47) 08.01.2020
(22) 06.11.2017
(54) TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) SUEYOSHI, Mitsuru
(31) 2017010923
(32) 25.01.2017
(33) Japan

(51) B60C 11/11
B60C 11/13
(11) EP3162595
(21) EP16193214.0
(47) 08.01.2020
(22) 11.10.2016
(54) PNEUMATIC TIRE
(73) SUMITOMO RUBBER INDUSTRIES, LTD.
(72) OKAWARA, Renya
(31) 2015212466
(32) 29.10.2015
(33) Japan

(51) B60C 11/11
B60C 15/00
B60C 15/04
(11) EP3501853
(21) EP18197213.4
(47) 08.01.2020
(22) 27.09.2018
(54) TIRE FOR A MOTORCYCLE FOR ROUGH TERRAIN
(73) Sumitomo Rubber Industries, Ltd.
(72) MIYAZAKI, Yu
(31) 2017242951
(32) 19.12.2017
(33) Japan

(51) B60C 11/12
(11) EP3354485
(21) EP17208120.0
(47) 08.01.2020
(22) 18.12.2017
(54) TREAD KERF OF SNOW TIRE
(73) Hankook Tire Co., Ltd.
(72) Joo, Sang Tak
(31) 20170008108
(32) 17.01.2017
(33) Korea (Republic)

(51) B60C 11/24
B60C 23/02
(11) EP3126160
(21) EP15774079.6
(47) 08.01.2020
(87) US2015024214
08.10.2015
(22) 03.04.2015
(54) PALM-SIZE TIRE TREAD LASER MEASUREMENT DEVICE
(73) Tire Profiles Mobility, LLC
(72) BOYLE, David
TRACY, Roger H.
(31) 201461974643 P
201462022714 P
(32) 03.04.2014
10.07.2014
(33) United States of America
United States of America

(51) B60C 13/00
(11) EP3225430
(21) EP16742950.5
(47) 08.01.2020
(87) JP2016000278
04.08.2016
(22) 20.01.2016
(54) PNEUMATIC TIRE
(73) Bridgestone Corporation
(72) IWABUCHI, Sotaro
(31) 2015015807
(32) 29.01.2015
(33) Japan

(51) B60C 13/00
B60C 15/00
B60C 15/024
B60C 15/06
(11) EP3321107
(21) EP17199864.4
(47) 08.01.2020
(22) 03.11.2017
(54) PNEUMATIC TIRE
(73) Sumitomo Rubber Industries, Ltd.
(72) TANADA, Kenichiro
(31) 2016218512
(32) 09.11.2016
(33) Japan

(51) B60C 23/00
B60C 23/04
(11) EP3380346
(21) EP16798541.5
(47) 08.01.2020
(87) EP2016078471
01.06.2017
(22) 22.11.2016
(54) A VEHICLE WHEEL AND A METHOD FOR CONTROLLING A VEHICLE
(73) CNH Industrial Italia S.P.A.
(72) BENEVELLI, Alessandro
MORSELLI, Riccardo
(31) UB20155809
(32) 23.11.2015
(33) Italy

(51) B60C 23/04
(11) EP3293019
(21) EP16861094.7
(47) 08.01.2020
(87) JP2016070889
18.01.2018
(22) 14.07.2016
(54) TIRE STATE DETECTING DEVICE
(73) Pacific Industrial Co., Ltd.
(72) TSUJITA, Yasuhisa
TAKEYAMA, Takashi

(51) B60C 25/05
(11) EP3144163
(21) EP16189798.8
(47) 08.01.2020
(22) 20.09.2016
(54) A DEVICE FOR ASSEMBLING-DISASSEMBLING A SUPPORT RING IN OR FROM A TYRE AS WELL AS MACHINE COMPRISING SUCH A DEVICE
(73) Butler Engineering & Marketing S.p.A.
(72) GONZAGA, Tullio
SANTI, Silvano
(31) UB20153777
(32) 21.09.2015
(33) Italy

(51) B60F 5/02
B64C 37/00
B64C 39/04
(11) EP2303610
(21) EP08785141.6
(47) 08.01.2020
(87) EP2008006190
04.02.2010
(22) 28.07.2008
(54) COMBINED AIR, WATER AND ROAD VEHICLE
(73) Fleck Future Concepts GmbH

(72) BROWN, John
(51) B60G 5/00
B60G 5/04
B60G 11/58
B62D 55/06
B62D 55/084
B62D 55/10
B62D 55/104
B62D 55/116
(11) EP3397542
(21) EP16828954.4
(47) 08.01.2020
(87) EP2016082932
06.07.2017
(22) 30.12.2016
(54) TRACK CHAIN MECHANISM
(73) Consulting Casters François Bvba
(72) CASTERS, François
(31) 15203267
(32) 31.12.2015
(33) European Patent Office (EPO)

(51) B60G 11/15
B60G 11/16
B60G 11/22
B60G 11/24
F16F 1/12
(11) EP3387286
(21) EP16805764.4
(47) 08.01.2020
(87) EP2016079202
15.06.2017
(22) 30.11.2016
(54) SPRING SUPPORT FOR A HELICAL SPRING AND MANUFACTURING PROCESS OF SUCH A SPRING
(73) BASF SE
(72) MEIER, Waldemar
(31) 102015224915
(32) 10.12.2015
(33) Germany

(51) B60G 17/0165
E02F 5/02
E02F 5/04
E02F 5/06
E02F 5/08
E02F 5/10
E02F 5/14
E02F 9/02
(11) EP3097238
(21) EP15701416.8
(47) 08.01.2020
(87) GB2015050165
30.07.2015
(22) 23.01.2015
(54) TRENCHING APPARATUS WITH LEVELLING MEANS
(73) Royal IHC Limited
(72) MANCHESTER, Ralph
WILKINSON, Stephen
(31) 201401236
(32) 24.01.2014
(33) United Kingdom

(51) B60G 21/00
B62D 9/02
B62K 5/08
B62K 19/32
B62K 21/18
B62K 5/00
B62K 5/01
B62K 5/027
B62K 5/05
B62K 5/10
(11) EP3363724
(21) EP16864387.2
(47) 08.01.2020
(87) JP2016083615
18.05.2017
(22) 11.11.2016
(54) LEANING VEHICLE
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) KANEHARA, Shuhei
HAMADA, Tsunero
FUKUHARA, Yukihide
TOYOTA, Takeshi
HARA, Nobuo
(31) 2015223251
(32) 13.11.2015
(33) Japan

(51) B60H 1/00
(11) EP3046786
(21) EP14761840.9
(47) 08.01.2020
(87) EP2014069156
26.03.2015
(22) 09.09.2014
(54) HEATING, VENTILATION AND/OR AIR CONDITIONING INSTALLATION FOR A MOTOR VEHICLE PASSENGER COMPARTMENT
(73) Valeo Systemes Thermiques
(72) LOUP, Didier
MARTINELL, Amanda
VINCENT, Philippe
AILLOUD, Fabrice
(31) 1358990
(32) 19.09.2013
(33) France

(51) B60H 1/00
(11) EP2794312
(21) EP12808792.1
(47) 08.01.2020
(87) EP2012075698
27.06.2013
(22) 17.12.2012
(54) MOTOR VEHICLE HEATING AND/OR AIR-CONDITIONING DEVICE
(73) Valeo Systemes Thermiques
(72) ALMORI, Armelle
GUIGOU, Pascal
(31) 1104091
(32) 23.12.2011
(33) France

(51) B60H 1/00
B60H 1/14
F25B 30/02
(11) EP2774789
(21) EP14156791.7
(47) 08.01.2020
(22) 26.02.2014
(54) Heating device for a mobile working machine
(73) STILL GmbH
(72) Howey, Ansgar
(31) 102013102267
(32) 07.03.2013
(33) Germany

(51) B60H 1/00
B60H 1/22
(11) EP2922716
(21) EP13791815.7
(47) 08.01.2020
(87) EP2013073932
30.05.2014
(22) 15.11.2013
(54) METHOD FOR DISPLAYING THE STATUS OF A HEATING OR AIR CONDITIONING DEVICE OF A VEHICLE AND HEATING OR AIR CONDITIONING DEVICE FOR A VEHICLE
(73) Volkswagen Aktiengesellschaft
(72) MISSALL, Markus
SCHMIDTKE, Stefan
(31) 102012022590
(32) 20.11.2012
(33) Germany

(51) B60H 1/00
B60H 1/24
B60N 3/02
(11) EP3378685
(21) EP18162954.4
(47) 08.01.2020
(22) 20.03.2018
(54) AIR CONDITIONING SYSTEM FOR A PUBLIC PASSENGER TRANSPORT VEHICLE
(73) IVECO FRANCE S.A.S.
(72) CODRON, Stephane
(31) 201700030572
(32) 20.03.2017
(33) Italy

(51) B60H 1/00
B60H 1/32
(11) EP2937235
(21) EP15161786.7
(47) 08.01.2020
(22) 30.03.2015
(54) THERMAL MANAGEMENT DEVICE OF A MOTOR VEHICLE
(73) VALEO SYSTEMES THERMIQUES
(72) Aoun, Bernard
Gour, Josselin
(31) 1453777
(32) 25.04.2014
(33) France

(51) B60H 1/00
F24F 13/10
F24F 13/24
(11) EP3169541
(21) EP15734176.9
(47) 08.01.2020
(87) EP2015065338
21.01.2016
(22) 06.07.2015
(54) FLAP FOR A MOTOR VEHICLE INTERIOR HEATING, VENTILATION AND/OR AIR CONDITIONING UNIT, AND ASSOCIATED UNIT
(73) Valeo Systemes Thermiques
(72) BROSSERON, Laurent
VAN SCHAMMELHOUT, Cédric
GRELLIER, Michel
SERRAN, Aurélien
(31) 1456972
(32) 18.07.2014
(33) France

(51) B60H 1/22
B60K 15/01
B60K 15/03
(11) EP3330116
(21) EP17204405.9
(47) 08.01.2020
(22) 29.11.2017
(54) VEHICLE
(73) Eberspächer Climate Control Systems GmbH & Co. KG
(72) Eberspach, Günter
Jensen, Hans
(31) 102016123323
(32) 02.12.2016
(33) Germany

(51) B60H 1/22
F24H 1/00
F24H 1/10
F24H 1/12
F24H 3/04
F24H 9/18
F24H 9/20
H05B 1/02
H05B 3/02
H05B 3/04
H05B 3/06
H05B 3/14
H05B 3/24
(11) EP3334246
(21) EP17155418.1
(47) 08.01.2020
(22) 09.02.2017
(54) ELECTRIC HEATING DEVICE
(73) Eberspächer catem GmbH & Co. KG
(72) Bohlender, Franz
Schwarzer, Andreas
Niederer, Michael
(31) 102016224296
(32) 06.12.2016
(33) Germany

(51) B60H 1/22
F24H 1/00
F24H 1/10
F24H 1/12
F24H 3/04
F24H 9/18
F24H 9/20
H05B 1/02
H05B 3/24
(11) EP3334243
(21) EP17154768.0
(47) 08.01.2020
(22) 06.02.2017
(54) ELECTRIC HEATING DEVICE
(73) Eberspächer catem GmbH & Co. KG
(72) Bohlender, Franz
Schwarzer, Andreas
Niederer, Michael
(31) 102016224296
(32) 06.12.2016
(33) Germany

(51) B60J 1/10
B60J 1/20
B60J 3/00
B61D 1/00
B61D 25/00
E06B 9/24
E06B 9/40
(11) EP3077267
(21) EP14786159.5
(47) 08.01.2020
(87) EP2014071887
11.06.2015
(22) 13.10.2014
(54) RAIL VEHICLE WITH SELECTIVE EXTERNAL SHADING
(73) Siemens Mobility Austria GmbH
(72) BACHMAYER, Thomas
(31) 13195609
(32) 04.12.2013
(33) European Patent Office (EPO)

(51) B60J 5/04
B60R 21/02
(11) EP3162602
(21) EP14896944.7
(47) 08.01.2020
(87) JP2014067353
07.01.2016
(22) 30.06.2014
(54) DOOR IMPACT BEAM
(73) Nippon Steel Corporation
(72) SAWA, Yasunori
NAKAZAWA, Yoshiaki

(51) B60J 5/10
B62D 33/04
(11) EP3170721
(21) EP16197466.2
(47) 08.01.2020
(22) 07.11.2016
(54) ROOF ARCH STRUCTURE, STRUCTURE FOR COMMERCIAL VEHICLES, SWAP BRIDGES, AND COMMERCIAL VEHICLE WITH BODY
(73) Kögel Trailer GmbH
(72) BROLL, Tobias
KALISCHKO, Thomas
(31) 102015119907
(32) 18.11.2015
(33) Germany

(51) B60J 7/16
B62D 33/02
(11) EP2431260
(21) EP11179714.8
(47) 08.01.2020
(22) 01.09.2011
(54) Device to raise and lower the roof of a utility vehicle, the roof being supported on telescopic stanchions.
(73) F. HESTERBERG & SÖHNE GmbH & Co. KG
(72) Breme, Stefan
(31) 102010037553
(32) 15.09.2010
(33) Germany

(51) B60J 9/04
F24F 9/00
(11) EP3369597
(21) EP18159467.2
(47) 08.01.2020
(22) 01.03.2018
(54) AN AIR CURTAIN, AND A VEHICLE COMPRISING AN AIR CURTAIN
(73) H.OPDAM MANAGEMENT B.V.
(72) OPDAM, Joannes Jozef Gerardus
OPDAM, Thomas Theodorus Jozef
(31) 2018444
(32) 01.03.2017
(33) Netherlands

(51) B60K 5/12
F16F 1/38
(11) EP3306130
(21) EP16799634.7
(47) 08.01.2020
(87) JP2016057407
01.12.2016
(22) 09.03.2016
(54) VIBRATION-DAMPING DEVICE
(73) Bridgestone Corporation
(72) SHIMIZU Hiroaki
(31) 2015108632
(32) 28.05.2015
(33) Japan

(51) B60K 6/10
B60K 6/48
B60K 6/50
(11) EP2646269
(21) EP11819124.6
(47) 08.01.2020
(87) NL2011050823
07.06.2012
(22) 30.11.2011
(54) DRIVING MECHANISM FOR A VEHICLE
(73) DTI Group B.V.
(72) VAN DRUTEN, Roëll Marie
SERRARENS, Alexander Franciscus Anita
VROEMEN, Bas Gerard
(31) 2005791
(32) 30.11.2010
(33) Netherlands

(51) B60K 11/04
B60K 11/08
E02F 9/00
E02F 9/08
F01P 1/00
F01P 5/06
F01P 11/10
F01P 11/12
(11) EP2365139
(21) EP11156359.9
(47) 08.01.2020
(22) 01.03.2011
(54) CONSTRUCTION MACHINE PROVIDED WITH ENGINE ROOM
(73) Kobelco Construction Machinery Co., Ltd.
(72) Nakashima, Hajime
(31) 2010050088
(32) 08.03.2010
(33) Japan

(51) B60K 15/03
B60K 15/035
B60K 15/04
F01N 3/20
(11) EP3174750
(21) EP15730497.3
(47) 08.01.2020
(87) EP2015063810
04.02.2016
(22) 19.06.2015
(54) FILLER NECK FOR A LIQUID RESERVOIR, IN PARTICULAR FOR A UREA RESERVOIR
(73) Kautex Textron GmbH & Co. KG
(72) KENDRICK, Phillip
(31) 102014010989

(32) 29.07.2014
(33) Germany

(51) B60K 15/035
F02M 25/08
(11) EP3403863
(21) EP17171712.7
(47) 08.01.2020
(22) 18.05.2017
(54) A PURGE EJECTOR ASSEMBLY FOR A VEHICLE
(73) Ningbo Geely Automobile Research & Development Co. Ltd.
(72) MOESTAM, Robert
FREDHOLM, Erik

(51) B60K 15/077
(11) EP3403864
(21) EP17171713.5
(47) 08.01.2020
(22) 18.05.2017
(54) A FUEL EJECTOR ASSEMBLY FOR A VEHICLE
(73) Ningbo Geely Automobile Research & Development Co., Ltd.
(72) MOESTAM, Robert
FREDHOLM, Erik

(51) B60K 17/356
B60W 10/02
F16H 61/14
B60K 6/28
B60K 6/38
B60K 6/48
B60W 20/00
(11) EP3221170
(21) EP15797070.8
(47) 08.01.2020
(87) EP2015076824
26.05.2016
(22) 17.11.2015
(54) POWERTRAIN FOR A VEHICLE
(73) Alpraaz AB
(72) CHRISTIAN, V. Koenigsegg
(31) 1451372
(32) 17.11.2014
(33) Sweden

(51) B60K 20/00
B60K 20/02
B60K 31/00
B60W 30/14
F02D 29/02
F16H 59/12
F16H 59/50
F16H 61/00
F16H 61/66
F16H 63/50
G05G 1/06
B60W 10/103
B60W 50/08
(11) EP3375680
(21) EP16864081.1
(47) 08.01.2020
(87) JP2016082426
18.05.2017
(22) 01.11.2016
(54) WORK VEHICLE
(73) Yanmar Co., Ltd.
(72) OGURA Kouhei
MIWA Toshiyuki
IKENORI Kenta
(31) 2015223378
(32) 13.11.2015
(33) Japan

(51) B60K 25/00
F01P 7/14
F02B 67/04
F16D 13/12
F16D 27/105
F16H 7/20
(11) EP2625440
(21) EP11830148.0
(47) 08.01.2020
(87) CA2011001109
12.04.2012
(22) 04.10.2011
(54) DRIVEN COMPONENT WITH CLUTCH FOR SELECTIVE OPERATION OF COMPONENT
(73) Litens Automotive Partnership
(72) MEVISSEN, Pierre A.
STEPNIAK, Jacek
TRACZ, Roman
DANCIU, John
PARSONS, Scott
(31) 201161487327 P
201161431006 P
389452 P
(32) 18.05.2011
08.01.2011
04.10.2010
(33) United States of America
United States of America
United States of America

(51) B60K 28/00
B60K 28/02
B60W 50/08
B60W 50/10
(11) EP2834121
(21) EP13772911.7
(47) 08.01.2020
(87) US2013024543
10.10.2013
(22) 03.02.2013
(54) GESTURE-BASED AUTOMOTIVE CONTROLS
(73) WAYMO LLC
(72) HOBBS, Nicholas, Kenneth
CHI, Liang-Yu
(31) 201213437730
(32) 02.04.2012
(33) United States of America

(51) B60K 35/00
G01C 21/36
G09G 5/377
(11) EP3360716
(21) EP15905854.4
(47) 08.01.2020
(87) JP2015078779
13.04.2017
(22) 09.10.2015
(54) VEHICULAR DISPLAY DEVICE AND VEHICULAR DISPLAY METHOD
(73) Nissan Motor Co., Ltd.
(72) KOSAKA, Norio
YAMAMOTO, Tetsuya
WATANABE, Hiroshi
SHISHIDO, Masayuki
MARUYAMA, Kenji

(51) B60K 37/00
B60Q 1/26
G01P 1/08
B60Q 3/80
(11) EP3168625
(21) EP16200026.9
(47) 08.01.2020
(22) 20.11.2001
(54) VEHICLE LIGHTING SYSTEMS
(73) Signify North America Corporation
(72) Dowling, Kevin
Chemel, Brian
Schanberger, Eric
Morgen, Frederick
Ducharme, Alfred
Lys, Ihor
Mincheva, Adriana
Blanc, Christian, P.
(31) 252004 P
262022 P
262153 P
268259 P
296219 P
(32) 20.11.2000
16.01.2001
17.01.2001
13.02.2001
06.06.2001
(33) United States of America
United States of America
United States of America
United States of America
United States of America

(51) B60K 37/06
(11) EP2925552
(21) EP13799242.6
(47) 08.01.2020
(87) EP2013074462
05.06.2014
(22) 22.11.2013
(54) OPERATING METHOD AND OPERATING SYSTEM IN A ROAD VEHICLE
(73) Volkswagen Aktiengesellschaft
(72) MICHAELIS, Jan
JUN, Mi-Ran
PETERSEN, Sönke
BUDZYNSI, Tobias
(31) 102012023484
(32) 30.11.2012
(33) Germany

(51) B60K 37/06
G05G 9/047
G06F 3/0338
(11) EP3154813
(21) EP15729082.6
(47) 08.01.2020
(87) EP2015001172
17.12.2015
(22) 11.06.2015
(54) SWITCHABLE OPERATING DEVICE FOR A MOTOR VEHICLE
(73) Audi AG
(72) BOUAZIZ, Tahar
(31) 102014008851
(32) 14.06.2014
(33) Germany

(51) B60L 1/00

B60L 15/20
B61L 3/00
B61L 15/00
B61L 23/22
B61L 25/02
B61L 27/00
G05D 1/00
G05D 1/02
G08G 1/00
B60L 50/61
(11) EP3104355
(21) EP14881646.5
(47) 08.01.2020
(87) JP2014080105
13.08.2015
(22) 13.11.2014
(54) WORK VEHICLE CONTROL SYSTEM
(73) Hitachi Construction Machinery Co., Ltd.
(72) YAMASAKI, Ryota
OOKURA, Yoshinori
HAMADA, Tomoyuki
YAMADA, Tsutomu
(31) 2014020584
(32) 05.02.2014
(33) Japan

(51) B60L 1/00
H04B 5/00
H02J 5/00
H02J 7/02
(11) EP2584665
(21) EP13151926.6
(47) 08.01.2020
(22) 08.07.2009
(54) Wireless high power transfer under regulatory constraints
(73) WiTricity Corporation
(72) Cook, Nigel
Widmer, Hanspeter
Sieber, Lukas
Allred, David
(31) 78812 P
498159
(32) 08.07.2008
06.07.2009
(33) United States of America
United States of America

(51) B60L 3/00
B60L 58/18
B60L 58/30
(11) EP2033837
(21) EP08013505.6
(47) 08.01.2020
(22) 26.07.2008
(54) Water vehicle with various energy stores
(73) thyssenkrupp Marine Systems GmbH
(72) Buchen, Andreas, Dr.
(31) 102007041396
(32) 31.08.2007
(33) Germany

(51) B60L 3/04
(11) EP2829430
(21) EP14176111.4
(47) 08.01.2020
(22) 08.07.2014
(54) Discharge control device, discharge control method, and computer readable medium
(73) GS Yuasa International Ltd.
(72) Katsumata, Yutaro
(31) 2013146980
(32) 12.07.2013
(33) Japan

(51) B60L 3/04
H01M 2/34
H01M 10/48
H01M 10/0525
B60L 3/00
(11) EP3101713
(21) EP15170242.0
(47) 08.01.2020
(22) 02.06.2015
(54) OVERCURRENT PROTECTION DEVICE
(73) Samsung SDI Co., Ltd.
(72) FRITZ, Jürgen
LETTNER, Markus

(51) B60L 3/12
G07C 5/00
G07C 5/08
G07C 5/10
B60L 3/00
B60L 58/16
(11) EP2494527
(21) EP10754446.2
(47) 08.01.2020
(87) EP2010062783
05.05.2011
(22) 01.09.2010
(54) METHOD FOR QUICKLY DETERMINING A STATE OF AGING AND A RELATED COMPUTER PROGRAM AND A RELATED COMPUTER-READABLE STORAGE MEDIUM
(73) Samsung SDI Co., Ltd.
Robert Bosch GmbH
(72) PISCOL, Ralf
SCHINDLER, Frank
(31) 102009046210
(32) 30.10.2009
(33) Germany

(51) B60L 3/12
H01M 10/42
H01M 10/48
B60L 58/16
G01R 31/36
G01R 31/371
G01R 31/382
(11) EP2976232
(21) EP14715660.8
(47) 08.01.2020
(87) IB2014000453
25.09.2014
(22) 17.03.2014
(54) SECONDARY BATTERY MANAGEMENT SYSTEM, SECONDARY BATTERY MANAGEMENT APPARATUS, AND SECONDARY BATTERY MANAGEMENT METHOD
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) KURIMOTO, Yasuhide
(31) 2013057567
(32) 21.03.2013
(33) Japan

(51) B60L 5/00
B60L 9/18
G06T 7/70
(11) EP3216642
(21) EP17153993.5
(47) 08.01.2020
(22) 31.01.2017
(54) ELECTRIC DRIVE VEHICLE AND MONITORING METHOD FOR AN ELECTRIC DRIVE VEHICLE
(73) Hitachi Construction Machinery Co., Ltd.
(72) TSUTSUMI, Yoshiaki
TATSUZAWA, Naoki
(31) 2016047435
(32) 10.03.2016
(33) Japan

(51) B60L 5/08
B60L 5/16
B60L 5/36
B60L 5/38
B66C 13/12
B66C 19/00
F16G 13/20
(11) EP3119636
(21) EP15703964.5
(47) 08.01.2020
(87) EP2015052421
24.09.2015
(22) 05.02.2015
(54) CURRENT-COLLECTOR SYSTEM HAVING A TELESCOPIC ARM FOR CRANES, CONTAINER CRANES, ERTGS, AND CONVEYING DEVICES
(73) Paul Vahle GmbH & Co. KG
(72) VAHLE, Werner
RAABE, Michael
MÜLLER, Thomas
(31) 102014103741
(32) 19.03.2014
(33) Germany

(51) B60L 7/12
B60L 7/14
H02K 1/14
H02K 1/27
H02K 3/18
H02K 3/28
H02K 7/00
H02K 21/14
H02K 21/24
B60K 6/24
B60K 6/26
B60K 6/485
B60L 50/16
(11) EP3174754
(21) EP15766616.5
(47) 08.01.2020
(87) IB2015055882
04.02.2016
(22) 03.08.2015
(54) PERMANENT MAGNET ELECTRIC MOTOR AND GENERATOR AND HYBRID MOTOR COMPRISING IT IN A SCOOTER
(73) PIAGGIO & C. S.p.A.
(72) CAPOZZELLA, Paolo
BERNARDINI, Roberto
(31) RM20140448
(32) 01.08.2014
(33) Italy

(51) B60L 7/12
E02F 9/20
E02F 9/22
(11) EP2716823

(21) EP12790266.6
(47) 08.01.2020
(87) JP2012061968
29.11.2012
(22) 10.05.2012
(54) ELECTRIC DRIVE SYSTEM FOR CONSTRUCTION MACHINE
(73) Hitachi Construction Machinery Tierra Co., Ltd.
(72) TSURUGA Yasutaka
TAKAHASHI Kiwamu
TAKISHITA Tatsuo
KURIKUMA Hajime
(31) 2011117449
(32) 25.05.2011
(33) Japan

(51) B60L 7/14
B62J 11/00
(11) EP2910401
(21) EP12887074.8
(47) 08.01.2020
(87) JP2012006748
01.05.2014
(22) 22.10.2012
(54) REGENERATIVE BRAKE CONTROL SYSTEM OF ELECTRIC VEHICLE
(73) Kawasaki Jukogyo Kabushiki Kaisha
(72) MATSUDA, Yoshimoto

(51) B60L 7/24
F16D 65/14
H02K 49/00
H02P 3/04
H02P 15/00
H02P 29/02
(11) EP2359466
(21) EP09771698.9
(47) 08.01.2020
(87) EP2009008145
27.05.2010
(22) 16.11.2009
(54) METHOD FOR OPERATING A DRIVE AND DRIVE
(73) SEW-EURODRIVE GmbH & Co. KG
(72) GNIRSS, Bernhard
KOLLAR, Hans, Jürgen
(31) 102008058303
(32) 19.11.2008
(33) Germany

(51) B60L 13/03
H02K 41/02
H02K 41/03
H02N 1/00
H02P 8/00
H02K 11/215
H02P 6/16
H02P 25/064
(11) EP3339088
(21) EP16838925.2
(47) 08.01.2020
(87) JP2016069791
02.03.2017
(22) 04.07.2016
(54) MOBILE BODY
(73) Murata Machinery, Ltd.
(72) HANAKA Satoshi
YAMADA Yasutake
(31) 2015163940
(32) 21.08.2015
(33) Japan

(51) B60L 15/20
B60L 15/38
B60L 15/40
B61L 3/00
B61L 15/00
B61L 25/02
(11) EP2127936
(21) EP09006514.5
(47) 08.01.2020
(22) 14.05.2009
(54) Method for influencing and limiting longitudinally dynamic forces in a train set
(73) Deutsche Bahn AG
(72) Witthuhn, Martin
Pohl, Steffen
(31) 102008025060
(32) 26.05.2008
(33) Germany

(51) B60L 50/51
B60L 53/10
B60L 53/16
B60L 58/20
(11) EP3006242
(21) EP15001084.1
(47) 08.01.2020
(22) 13.04.2010
(54) ELECTRIC VEHICLE STRUCTURE
(73) NISSAN MOTOR CO., LTD.
(72) Sekido, Kiyohito
Shigematsu, Satoshi
(31) 2009098779
(32) 15.04.2009
(33) Japan

(51) B60L 53/12
(11) EP3282460
(21) EP15888458.5
(47) 08.01.2020
(87) JP2015060923
13.10.2016
(22) 08.04.2015
(54) NON-CONTACT POWER TRANSMISSION COIL UNIT
(73) Nissan Motor Co., Ltd.
(72) MAIKAWA, Kengo

(51) B60M 1/20
H02G 7/05
(11) EP2985173
(21) EP14782767.9
(47) 08.01.2020
(87) ES2014070270
16.10.2014
(22) 07.04.2014
(54) OVERHEAD LINE CANTILEVER
(73) Pfisterer Upresa, S.A.
(72) METRAT, Thierry
NADAL MORENO, Raul
(31) 201330512
(32) 10.04.2013
(33) Spain

(51) B60N 2/005
B60N 2/06
B60N 2/14
(11) EP2896534
(21) EP14193051.1
(47) 08.01.2020
(22) 13.11.2014
(54) Movement device for a seat
(73) Lisa Dräxlmaier GmbH
(72) Wensauer, Wolfgang
Sarcher, Stefan
Gerhard, Matthias
(31) 102014000522
(32) 20.01.2014
(33) Germany

(51) B60N 2/16
B60N 2/22
B60N 2/427
(11) EP3344491
(21) EP16759808.5
(47) 08.01.2020
(87) EP2016070763
09.03.2017
(22) 02.09.2016
(54) VEHICLE SEAT ASSEMBLY
(73) Jaguar Land Rover Limited
(72) CHATWIN, Andrew
GRIMES, Oliver
BASTIEN, Christophe
(31) 201515703
(32) 04.09.2015
(33) United Kingdom

(51) B60N 2/28
B62B 7/14
(11) EP3403900
(21) EP18180324.8
(47) 08.01.2020
(22) 11.06.2014
(54) CONNECTION MECHANISM AND INFANT CARE EQUIPMENT HAVING THE CONNECTION MECHANISM
(73) Wonderland Switzerland AG
(72) YI, Ze-Hua
ZHONG, Zhi-Ren
ZHU, Wanquan
(31) 201310233667
(32) 13.06.2013
(33) China

(51) B60N 2/42
B60N 2/433
B60N 2/75
(11) EP3074271
(21) EP14802427.6
(47) 08.01.2020
(87) EP2014075324
04.06.2015
(22) 21.11.2014
(54) SYSTEM COMPRISING A PIVOTABLE ARMREST AND A PENDULUM ELEMENT
(73) Adient Luxembourg Holding S.à r.l.
(72) JAKUBEC, Ivan
MARTINKA, Michal
REZBARIK, Miroslav
(31) 102013019719
102014206031
(32) 27.11.2013
31.03.2014
(33) Germany
Germany

(51) B60N 2/58
B60N 2/70
B60N 2/72
(11) EP3065972
(21) EP14796471.2

(47) 08.01.2020
(87) EP2014073743
14.05.2015
(22) 04.11.2014
(54) SECURING SEAT TRIM COVERS TO FOAM CUSHIONS
(73) VELCRO BVBA
(72) KHEIL, Victor Horst
COWLEY, Earl Lorne
(31) 201361901867 P
(32) 08.11.2013
(33) United States of America

(51) B60N 2/60
B60N 2/818
B60N 2/897
(11) EP3293044
(21) EP17189971.9
(47) 08.01.2020
(22) 07.09.2017
(54) HEADREST ASSEMBLY FOR VEHICLE SEAT AND VEHICLE SEAT COMPRISING SUCH AN ASSEMBLY
(73) FAURECIA Sièges d'Automobile
(72) SOLTNER, Stéphane
LELIEVRE, François
GAYON, David
(31) 1658375
(32) 08.09.2016
(33) France

(51) B60N 2/80
(11) EP2697096
(21) EP12717598.2
(47) 08.01.2020
(87) EP2012001582
18.10.2012
(22) 12.04.2012
(54) HEAD RESTRAINT WITH AN AUTOREACTIVE FRAMEWORK STRUCTURE
(73) Sitech Sitztechnik GmbH
(72) BAUMGARTEN, Jens
BUCHENBERGER, Martin
DEVOLDER, Damien
BARKOW, Tomas
CORDES, Anne
FISCHER, Martin
NITSCHE, Thomas
(31) 102011016959
(32) 13.04.2011
(33) Germany

(51) B60N 3/02
(11) EP3412504
(21) EP18173471.6
(47) 08.01.2020
(22) 22.05.2018
(54) DEVICE FOR INTERIOR CONNECTION IN A COMMERCIAL VEHICLE
(73) MAN Truck & Bus SE
(72) Stender, Stefan
Capellan, Irene
Siflinger, Markus
(31) 102017112427
(32) 06.06.2017
(33) Germany

(51) B60N 3/08
B60N 3/10
B60N 3/18
B65F 1/00
B65F 1/14
(11) EP3356180
(21) EP16777641.8
(47) 08.01.2020
(87) EP2016073141
06.04.2017
(22) 28.09.2016
(54) HYGIENE ACCESSORY FOR A PASSENGER SEAT AND METHOD FOR MAINTAINING A PASSENGER-TRANSPORT DEVICE
(73) C-Gex System's
(72) GUILHEM, Christian
GUILHEM, Marc
GUILHEM, Jacques
(31) 1559183
(32) 29.09.2015
(33) France

(51) B60P 1/02
B60P 1/64
(11) EP3040235
(21) EP15197907.7
(47) 08.01.2020
(22) 03.12.2015
(54) TRAILER FOR A ROUTE TRAIN
(73) Movincar SPA
(72) ROSSI, Claudio
(31) PI20140091
(32) 03.12.2014
(33) Italy

(51) B60P 1/44
(11) EP3275730
(21) EP17001177.9
(47) 08.01.2020
(22) 11.07.2017
(54) CANTILEVER LIFT
(73) Palfinger Tail Lifts GmbH
(72) Popken, Uwe
Bley, Hubert
(31) 102016009156
(32) 28.07.2016
(33) Germany

(51) B60P 1/64
B60P 7/13
(11) EP3222464
(21) EP17155176.5
(47) 08.01.2020
(22) 08.02.2017
(54) FRAME SYSTEM FOR MOTOR VEHICLE STRUCTURES
(73) Sonntag transport technology GmbH & Co. KG
(72) AHLBÄUMER, Matthias
(31) 102016204985
(32) 24.03.2016
(33) Germany

(51) B60P 1/64
B61D 47/00
E04B 1/343
E04H 1/00
(11) EP3303090
(21) EP16732450.8
(47) 08.01.2020
(87) EP2016061863
01.12.2016
(22) 25.05.2016
(54) CONSTRUCTION SET FOR A MODULAR BUILDING WITH AN UNDERRIDING ADJUSTER
(73) Rapid Housing Systems GmbH
(72) MEYER, Helmut, Wilhelm
(31) 15169092
(32) 25.05.2015
(33) European Patent Office (EPO)

(51) B60P 3/00
(11) EP3071447
(21) EP14814938.8
(47) 08.01.2020
(87) FR2014052974
28.05.2015
(22) 20.11.2014
(54) APPARATUS FOR STORING, HANDLING, AND TRANSPORTING LARGE PLATES, VEHICLE HAVING SUCH APPARATUS BUILT THEREIN AND TRANSPORT METHOD WITH SUCH A VEHICLE
(73) Saint-Gobain Glass France
(72) LEMAILLE, Maurice
BAQUET, Erwan
(31) 1361470
(32) 21.11.2013
(33) France

(51) B60P 3/41
(11) EP2619035
(21) EP11827051.1
(47) 08.01.2020
(87) SE2011051118
29.03.2012
(22) 16.09.2011
(54) LOAD GATE AND A VEHICLE EQUIPPED WITH SUCH A LOAD GATE
(73) Komatsu Forest AB
(72) ÅSTRÖM, Anders
(31) 1050983
(32) 21.09.2010
(33) Sweden

(51) B60P 3/41
B62D 33/077
(11) EP2619034
(21) EP11827050.3
(47) 08.01.2020
(87) SE2011051116
29.03.2012
(22) 16.09.2011
(54) LOAD GATE SYSTEM FOR A VEHICLE, AND A SUSPENSION ARRANGEMENT AND LOAD GATE FOR SUCH A SYSTEM
(73) Komatsu Forest AB
(72) ÅSTRÖM, Anders
(31) 1050982
(32) 21.09.2010
(33) Sweden

(51) B60P 7/08
(11) EP3392086
(21) EP18167331.0
(47) 08.01.2020
(22) 13.04.2018
(54) ARRANGEMENT OF A SECURING RING ON A SUPPORTING STRUCTURE SUCH AS THE BANK EDGE OR A FLOOR, IN PARTICULAR FOR LOADING A TRANSPORT VEHICLE
(73) Pommier

(72) CAUBEL, Laurent
AUBIGNAT, Frédéric
(31) 1753328
(32) 18.04.2017
(33) France

(51) B60P 7/16
B60R 7/00
F41C 33/06
F41H 7/04
(11) EP2564145
(21) EP11717489.6
(47) 08.01.2020
(87) EP2011001995
27.10.2011
(22) 19.04.2011
(54) TRANSPORTATION BAG, IN PARTICULAR FOR INSTALLATION IN A VEHICLE
(73) Rheinmetall Landsysteme GmbH
(72) ZEISE, Ralf
BÖCKMANN, Frank
HASS, Frank
KOCH, Ralf
(31) 102010018136
(32) 24.04.2010
(33) Germany

(51) B60Q 1/20
G01N 21/53
(11) EP2020595
(21) EP08160818.4
(47) 08.01.2020
(22) 21.07.2008
(54) Method for a vehicle to detect a phenomenon affecting visibility
(73) VALEO VISION
(72) Robert, Caroline
Leleve, Joël
Hue, David
(31) 0705715
(32) 03.08.2007
(33) France

(51) B60Q 1/24
B60Q 1/50
E01H 5/04
(11) EP3421668
(21) EP18175067.0
(47) 08.01.2020
(22) 30.05.2018
(54) VEHICLE
(73) Honda Motor Co., Ltd.
(72) KIMURA, Yuta
TERUYA, Yoshimasa
FUKANO, Jun
MIZOROKE, Tsutomu
(31) 2017129579
(32) 30.06.2017
(33) Japan

(51) B60Q 1/26
B60Q 1/34
B60R 1/12
G02B 6/00
F21S 43/237
F21S 43/239
F21S 43/243
F21S 43/245
(11) EP3166818
(21) EP15734473.0
(47) 08.01.2020
(87) IB2015054900
14.01.2016
(22) 30.06.2015
(54) DRIVING DIRECTION INDICATOR MODULE AND OUTSIDE REAR VIEW MIRROR ASSEMBLY
(73) SMR Patents S.à.r.l.
(72) ERHART, Volker
FRITZ, Daniel
(31) 14176666
(32) 11.07.2014
(33) European Patent Office (EPO)

(51) B60Q 1/30
(11) EP3386799
(21) EP16815890.5
(47) 08.01.2020
(87) FR2016053116
15.06.2017
(22) 28.11.2016
(54) HOMOGENEOUS REAR LIGHTS SYSTEM FOR A MOTOR VEHICLE
(73) PSA AUTOMOBILES S.A.
(72) SEBE, Emeric
VIMONT, Jean-claude
(31) 1562162
(32) 11.12.2015
(33) France

(51) B60Q 1/32
B60Q 1/50
(11) EP3142898
(21) EP15713460.2
(47) 08.01.2020
(87) EP2015056761
19.11.2015
(22) 27.03.2015
(54) ELECTRONIC ASSEMBLY FOR ILLUMINATING A TARGET AREA MARKING A DETECTION AREA OF A SENSOR
(73) Huf Hülsbeck & Fürst GmbH & Co. KG
(72) YOMKIL, Malabo
ETTE, Bernd
MÖNIG, Stefan
SCHUMACHER, Helmut
STICHERLING, Nadine
LINDIC, Iko
HELLER, Norbert
ZIEGLER, Alexander
HACHE, Christof
MÜLLER, Oliver
SCHINDLER, Mirko
(31) 102014106939
(32) 16.05.2014
(33) Germany

(51) B60Q 9/00
B60R 1/00
G01C 21/36
G02B 27/01
G05D 1/02
G06K 9/00
G08G 1/16
H04N 7/18
B60W 50/14
(11) EP3425442
(21) EP18179495.9
(47) 08.01.2020
(22) 25.06.2018
(54) METHOD FOR ENRICHING A FIELD OF VIEW OF A DRIVER OF A VEHICLE WITH ADDITIONAL INFORMATION, DEVICE FOR USE IN AN OBSERVERS' VEHICLE AND MOTOR VEHICLE
(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(72) Haar, Adrian
Kleen, Andro
Schewe, Frederik
Wyszka, Robert Jan
Gurka, Daniel
(31) 102017211244
(32) 03.07.2017
(33) Germany

(51) B60Q 9/00
G01C 21/34
(11) EP2578997
(21) EP11184289.4
(47) 08.01.2020
(22) 07.10.2011
(54) System for supporting a user of an electrically driven vehicle
(73) Hitachi, Ltd.
(72) Horita, Yuki

(51) B60R 1/00
B61K 13/04
H04N 7/18
(11) EP2922293
(21) EP14004036.1
(47) 08.01.2020
(22) 29.11.2014
(54) Method for monitoring the vehicle interior and the vehicle exterior
(73) MAN Truck & Bus SE
(72) Echtler, Johannes
Schierlinger, Benjamin
Schwertberger, Walter
Völl, Sebastian
Weise, Sigrun
(31) 102014003952
(32) 20.03.2014
(33) Germany

(51) B60R 1/074
B60R 1/076
(11) EP3412509
(21) EP17382348.5
(47) 08.01.2020
(22) 07.06.2017
(54) ACTUATOR MECHANISM FOR A FOLD REAR-VIEW MIRROR ASSEMBLY
(73) Fico Mirrors S.A.
(72) Ferré Alabern, Eduard
Linares Casals, Juan

(51) B60R 9/045
B60R 9/055
(11) EP3411269
(21) EP17702612.7
(47) 08.01.2020
(87) EP2017052033
10.08.2017
(22) 31.01.2017
(54) FOLDING ROOFTOP CONTAINER FOR A MOTOR VEHICLE
(73) SES Solutions GmbH
(72) ESPIG, Serle Johann
(31) 102016201476
102016201993

102016215171
(32) 01.02.2016
10.02.2016
15.08.2016
(33) Germany
Germany
Germany

(51) B60R 11/04
(11) EP3237255
(21) EP15798293.5
(47) 08.01.2020
(87) US2015059646
30.06.2016
(22) 08.11.2015
(54) DUAL PLANE HEATER FOR VEHICLE SENSOR SYSTEM
(73) Illinois Tool Works Inc.
(72) SLIWA, Piotr
HEALEY, John F.
BULGAJEWSKI, Edward F.
STAPF, Uwe
(31) 201462095388 P
201562196000 P
(32) 22.12.2014
23.07.2015
(33) United States of America
United States of America

(51) B60R 16/02
B60R 16/023
H05K 5/00
H05K 5/02
H05K 5/06
(11) EP3079449
(21) EP14868328.7
(47) 08.01.2020
(87) JP2014079901
11.06.2015
(22) 12.11.2014
(54) CASE STRUCTURE FOR ELECTRONIC CONTROL DEVICE
(73) Hitachi Automotive Systems, Ltd.
(72) FURUDATE, Hitoshi
KANNO, Kiyotaka
KAWAI Yoshio
NEGISHI, Yoshiyasu
FUKUZAWA, Takayuki
(31) 2013251608
(32) 05.12.2013
(33) Japan

(51) B60R 16/02
B60R 16/027
(11) EP3383709
(21) EP16802107.9
(47) 08.01.2020
(87) EP2016079269
08.06.2017
(22) 30.11.2016
(54) CABLE CONDUIT DEVICE FOR CONNECTION CABLES OF AN AIRBAG MODULE, WIRING SYSTEM, AIRBAG MODULE, AND STEERING WHEEL OR VEHICLE COMPRISING A CABLE CONDUIT DEVICE OF SAID TYPE
(73) TRW Automotive Safety Systems GmbH
(72) BACHMANN, Stefan
HELMSTETTER, Matthias
RUMPF, Dieter
KNECHT, Alexandra
(31) 102015015450
(32) 02.12.2015
(33) Germany

(51) B60R 16/02
C09J 11/04
C09J 133/06
C09J 133/20
C09J 7/21
C09J 7/38
(11) EP3221411
(21) EP15786976.9
(47) 08.01.2020
(87) EP2015075087
26.05.2016
(22) 29.10.2015
(54) MODIFIED PHYLLOSILICATES FOR CONTROLLING THE UNWINDING FORCE OF PRESSURE-SENSITIVE ADHESIVE MATERIALS AND IMPROVING THE BARRIER PROPERTIES OF ADHESIVE TAPES
(73) tesa SE
(72) BÖHM, Nicolai
MIES, Michel
SEITZER, Dennis
WIENKE, Daniel
(31) 102014223451
(32) 18.11.2014
(33) Germany

(51) B60R 16/023
B60R 16/03
H02J 1/08
(11) EP2867069
(21) EP13744594.6
(47) 08.01.2020
(87) FR2013051428
03.01.2014
(22) 19.06.2013
(54) ELECTRIC BODY WITH A REDUNDANT POWER SUPPLY AND ANTI-OVERCURRENT PROTECTION MEANS AND A DIODE THAT ARE COUPLED TO THE GROUND CONTACTS THEREOF
(73) PSA Automobiles SA
(72) DHAINAUT, Jean Marc
(31) 1256169
(32) 28.06.2012
(33) France

(51) B60R 16/04
B60K 1/04
B60S 5/06
(11) EP3127765
(21) EP14887920.8
(47) 08.01.2020
(87) CN2014074558
08.10.2015
(22) 01.04.2014
(54) VEHICLE BATTERY CLAMPING DEVICE
(73) Guangdong Hua'chan Research Institute of Intelligent Transportation System Co., Ltd.
(72) GONG, Shugang
ZENG, Lei
YANG, Huilong
LIN, Shaorong
PENG, Liguang

(51) B60R 19/52
F28D 1/053
F28D 21/00
F28F 9/02
F28F 19/00
(11) EP3436762
(21) EP17825901.6
(47) 08.01.2020
(87) FR2017053525
21.06.2018
(22) 12.12.2017
(54) HEAT EXCHANGE DEVICE COMPRISING A PROTECTIVE DEVICE
(73) Valeo Systemes Thermiques
(72) NGUYEN, Dinh-Luyen
(31) 1662281
(32) 12.12.2016
(33) France

(51) B60R 21/00
B60W 30/06
B62D 15/02
G01C 21/36
G08G 1/14
G09B 29/10
(11) EP3367363
(21) EP15906701.6
(47) 08.01.2020
(87) JP2015079889
27.04.2017
(22) 22.10.2015
(54) PARKING SUPPORT METHOD AND PARKING SUPPORT DEVICE
(73) Nissan Motor Co., Ltd.
(72) HAYAKAWA, Yasuhisa

(51) B60R 21/00
B60W 30/06
B62D 15/02
G06K 9/00
G08G 1/14
G06T 7/62
(11) EP3366524
(21) EP15906707.3
(47) 08.01.2020
(87) JP2015079895
27.04.2017
(22) 22.10.2015
(54) PARKING SPACE DETECTION METHOD AND DEVICE
(73) Nissan Motor Co., Ltd.
(72) HAYAKAWA, Yasuhisa

(51) B60R 21/36
(11) EP3321139
(21) EP16198695.5
(47) 08.01.2020
(22) 14.11.2016
(54) A PEDESTRIAN AIRBAG ARRANGEMENT
(73) Autoliv Development AB
(72) ÖSTLING, Martin
RANJBAR, Mehrdad
FREDRIKSSON, Rikard

(51) B60R 25/24
B60R 25/25
(11) EP3398820
(21) EP18170071.7
(47) 08.01.2020
(22) 30.04.2018
(54) SMART KEY FOR VEHICLE
(73) LG Electronics Inc.
(72) KIM, Janghwan

KANG, Sunbin
KIM, Leesak
PARK, Sewon
LEE, Youngsok
CHO, Hyeoncheol
(31) 20170056419
(32) 02.05.2017
(33) Korea (Republic)

(51) B60S 1/34
B60S 1/50
B62J 17/04
(11) EP3212475
(21) EP15797413.0
(47) 08.01.2020
(87) IB2015057733
06.05.2016
(22) 09.10.2015
(54) WINDSCREEN WIPER ASSEMBLY FOR A VEHICLE
(73) PIAGGIO & C. S.p.A.
(72) DI TANNA, Onorino
BARTOLOZZI, Stefano
(31) RM20140630
(32) 31.10.2014
(33) Italy

(51) B60S 1/38
(11) EP2889193
(21) EP14196383.5
(47) 08.01.2020
(22) 04.12.2014
(54) Electrical connection device for a wiper blade of a wiping system of a motor vehicle
(73) Valeo Systèmes d'Essuyage
(72) Jarasson, Jean-Michel
Carraro, Philippe
Izabel, Vincent
Caillot, Gérald
(31) 1363274
(32) 20.12.2013
(33) France

(51) B60S 1/38
B60S 1/40
(11) EP2651710
(21) EP11779710.0
(47) 08.01.2020
(87) EP2011069908
21.06.2012
(22) 11.11.2011
(54) WIPER DEVICE
(73) Robert Bosch GmbH
(72) DEPONDT, Helmut
(31) 102010062917
(32) 13.12.2010
(33) Germany

(51) B60S 1/52
(11) EP3196081
(21) EP16204519.9
(47) 08.01.2020
(22) 15.12.2016
(54) WIPER DEVICE FOR CLEANING A VEHICLE WINDOW AND SPRAY APPARATUS
(73) Valeo Systèmes d'Essuyage
(72) SCHAEUBLE, Michael
(31) 102016100812
(32) 19.01.2016
(33) Germany

(51) B60T 7/04
B60T 8/32
B60T 13/58
B60T 13/68
B60T 13/74
(11) EP2199163
(21) EP09177056.0
(47) 08.01.2020
(22) 25.11.2009
(54) BRAKING FEEL SIMULATION SYSTEM AND APPLICATION OF SUCH A SYSTEM.
(73) Robert Bosch GmbH
(72) Piel, Jean-Marc
Leboube, Christophe
Marlhe, Nicolas
(31) 0807420
(32) 22.12.2008
(33) France

(51) B60T 7/22
B62D 15/02
G05D 1/02
G08G 1/16
B60W 30/09
B60W 30/095
B60W 30/18
(11) EP3281847
(21) EP17183457.5
(47) 08.01.2020
(22) 27.07.2017
(54) CONTROL SYSTEM AND CONTROL METHOD FOR GUIDING A MOTOR VEHICLE ALONG A PATH
(73) TRW Automotive GmbH
(72) Keller, Martin, Dipl.-Ing.
Bertram, Torsten, Prof. Dr.-Ing.
Wissing, Christian, Dipl.-Ing.
Homann, Andreas, Dipl.-Ing.
Goette, Christian, Dipl.-Ing.
Glander, Karl-Heinz, Dr.
Haß, Carsten, Dr.-Ing.
Nattermann, Till, Dr.
Buss, Markus
(31) 102016009760
(32) 11.08.2016
(33) Germany

(51) B60T 8/17
B60T 8/26
B60T 8/32
(11) EP3395631
(21) EP16815941.6
(47) 08.01.2020
(87) IB2016057198
29.06.2017
(22) 30.11.2016
(54) CONTROLLER AND CONTROL METHOD
(73) Robert Bosch GmbH
(72) NEMOTO, Nobuho
(31) 2015250580
(32) 22.12.2015
(33) Japan

(51) B60T 8/17
B60T 8/88
(11) EP3071459
(21) EP14789997.5
(47) 08.01.2020
(87) EP2014002868
28.05.2015
(22) 23.10.2014
(54) CHECKING OF THE INSTALLATION POSITION OF AXLE MODULATORS ON THE BASIS OF DISTURBANCES IN SPEED SIGNALS
(73) WABCO GmbH
(72) GERECKE, Marc
OTREMBA, Robert
STRUWE, Otmar
(31) 102013019512
(32) 21.11.2013
(33) Germany

(51) B60T 8/17
B60T 13/74
H02P 29/00
(11) EP2786907
(21) EP12852714.0
(47) 08.01.2020
(87) JP2012081118
06.06.2013
(22) 30.11.2012
(54) BRAKING CONTROL DEVICE FOR VEHICLE
(73) Advics Co., Ltd
(72) YASUI, Yoshiyuki
KODAMA, Hiroyuki
SATAKE, Naotoshi
(31) 2011261920
2011261924
(32) 30.11.2011
30.11.2011
(33) Japan
Japan

(51) B60T 8/40
(11) EP3419876
(21) EP17700843.0
(47) 08.01.2020
(87) EP2017051171
31.08.2017
(22) 20.01.2017
(54) ADD-ON MODULE FOR AN ELECTROHYDRAULIC BRAKE ASSEMBLY, AND BRAKE ASSEMBLY SYSTEM COMPRISING AN ADD-ON MODULE OF SAID TYPE
(73) Continental Teves AG & Co. OHG
(72) DINKEL, Dieter
(31) 102016203119
(32) 26.02.2016
(33) Germany

(51) B60T 8/40
B60T 8/88
(11) EP3356191
(21) EP16767311.0
(47) 08.01.2020
(87) EP2016072403
06.04.2017
(22) 21.09.2016
(54) BRAKE SYSTEM AND METHOD FOR OPERATING A BRAKE SYSTEM
(73) Continental Teves AG & Co. OHG
(72) NIEPELT, Mathias
HALBE, Iris
WICKENHÖFER, Thorsten
REVIOL, Ralf Richard
BERGER, Klaus
(31) 102015219001

(32) 01.10.2015
(33) Germany

(51) B60T 8/40
B60T 13/14
B60T 13/66
B60T 17/22
(11) EP3115268
(21) EP16176708.2
(47) 08.01.2020
(22) 28.06.2016
(54) AIR DETECTOR AND AIR DETECTING METHOD
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
ADVICS CO., LTD.
(72) KANAMORI, Katsuhiro
NORO, Kazutaka
(31) 2015135569
(32) 06.07.2015
(33) Japan

(51) B60T 13/66
(11) EP2969679
(21) EP14776560.6
(47) 08.01.2020
(87) US2014014846
02.10.2014
(22) 05.02.2014
(54) BRAKING SYSTEM FOR A VEHICLE
(73) Veoneer US, Inc.
(72) YANG, Michael
POSA, Ronald
(31) 201313799655
(32) 13.03.2013
(33) United States of America

(51) B60T 13/74
(11) EP3386816
(21) EP16793840.6
(47) 08.01.2020
(87) EP2016076838
15.06.2017
(22) 07.11.2016
(54) METHOD TO RUN A BRAKING DEVICE, CONTROL DEVICE FOR SUCH A BRAKING DEVICE, BRAKING DEVICE AND VEHICLE WITH SUCH A BRAKING DEVICE
(73) Robert Bosch GmbH
(72) BAEHRLE-MILLER, Frank
ENGLERT, Andreas
PUTZER, Tobias
(31) 102015224720
(32) 09.12.2015
(33) Germany

(51) B60T 13/74
F16D 55/226
F16D 55/227
F16D 65/00
F16D 65/18
F16D 121/04
F16D 121/24
F16D 125/04
F16D 125/06
(11) EP3321535
(21) EP16821272.8
(47) 08.01.2020
(87) JP2016069088
12.01.2017
(22) 28.06.2016
(54) DISC BRAKE DEVICE
(73) Akebono Brake Industry Co., Ltd.
(72) YOSHIKAWA, Kazuhiro
NOMA, Kohei
(31) 2015137810
2016022346
(32) 09.07.2015
09.02.2016
(33) Japan
Japan

(51) B60T 17/22
F16D 65/14
F16D 66/00
F16D 66/02
(11) EP2643197
(21) EP10787022.2
(47) 08.01.2020
(87) EP2010007192
31.05.2012
(22) 26.11.2010
(54) BRAKE MONITORING DEVICE AND COMPONENTS ASSOCIATED THEREWITH
(73) Haldex Brake Products AB
(72) SEGLÖ, Fredrik
LARSSON, Anders

(51) B60T 17/22
G01L 5/28
G01M 17/007
(11) EP3321657
(21) EP17200957.3
(47) 08.01.2020
(22) 10.11.2017
(54) METHOD FOR TESTING THE BRAKE SYSTEM OF A VEHICLE
(73) AVL List GmbH
(72) KOKAL, Helmut
MONSCHEIN, Martin
ARCE ALONSO, Gorka
(31) 510252016
(32) 11.11.2016
(33) Austria

(51) B60W 10/02
B60W 10/06
B60K 6/485
B60W 20/19
(11) EP3094843
(21) EP15736994.3
(47) 08.01.2020
(87) US2015011339
23.07.2015
(22) 14.01.2015
(54) BOOST SYSTEM INCLUDING HYBRID DRIVE SUPERCHARGER WITH COMPACT CONFIGURATION
(73) Eaton Corporation
(72) BENJEY, Robert Philip
TSOURAPAS, Vasilios
OUWENGA, Daniel R.
GLASS, Matthew Joseph
SMITH, Brian Thompson
MCCLELLAN, Sara Rose
(31) 201461927362 P
201461992866 P
(32) 14.01.2014
13.05.2014
(33) United States of America
United States of America

(51) B60W 10/02
B60W 10/06
B60W 10/08
B60W 50/00
F16D 13/38
F16D 48/06
F16H 3/00
F16H 61/688
B60K 6/48
B60W 10/113
B60W 30/19
B60W 20/19
B60W 20/30
(11) EP3501928
(21) EP18211324.1
(47) 18.12.2019
(22) 10.12.2018
(54) METHOD FOR OPERATING A HYBRID DRIVE TRAIN AND HYBRID DRIVE TRAIN FOR A MOTOR VEHICLE
(73) Magna PT B.V. & Co. KG
(72) KNÖPFLE, Phillipp
STEPPER, Thorsten
(31) 102017130707
(32) 20.12.2017
(33) Germany

(51) B60W 10/08
B60K 6/365
B60K 6/445
B60W 10/10
B60W 20/00
(11) EP2554447
(21) EP10848921.2
(47) 08.01.2020
(87) JP2010055756
06.10.2011
(22) 30.03.2010
(54) DRIVE CONTROL DEVICE FOR HYBRID VEHICLE
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) MURAKAMI, Akira
OGAWA, Hiroyuki
SHIINA, Takahiro
TOMOMATSU, Daisuke

(51) B60W 10/30
E02F 3/43
E02F 9/20
E02F 9/22
B60K 6/46
B60W 30/18
(11) EP2857600
(21) EP13800885.9
(47) 08.01.2020
(87) JP2013065383
12.12.2013
(22) 03.06.2013
(54) WORK VEHICLE
(73) Hitachi Construction Machinery Co., Ltd.
(72) MORIKI Hidekazu
KANEKO Satoru
ITOU Noritaka
ISHIDA Kazuo
KOTAKA Toshio
SEKINO Satoshi
KIKUCHI Toru
HIGURASHI Masaki
(31) 2012127442
(32) 04.06.2012
(33) Japan

(51) B60W 40/02
B60W 30/18
B60W 40/06
B60W 50/14
(11) EP3068674
(21) EP14802827.7
(47) 08.01.2020
(87) EP2014073934
21.05.2015
(22) 06.11.2014
(54) VEHICLE HAVING WADE SENSING DISPLAY AND SYSTEM THEREFOR
(73) Jaguar Land Rover Limited
(72) POPHAM, Thomas
WOODLEY, Jonathan
PASZKOWICZ, Sebastian
BARLOW, Ian
XU, Zhou
HOARE, Edward
(31) 201319915
(32) 12.11.2013
(33) United Kingdom

(51) B60W 50/00
G08G 1/133
B60W 50/14
(11) EP2914468
(21) EP13786639.8
(47) 08.01.2020
(87) EP2013071960
08.05.2014
(22) 21.10.2013
(54) DRIVER ASSISTANCE SYSTEM
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) NIEDERMAIER, Bernhard
RÖLLE, Christopher
STEINBERG, Karl-Ernst
STRASSBERGER, Markus
(31) 102012219924
(32) 31.10.2012
(33) Germany

(51) B60W 50/14
B60W 20/18
(11) EP3446939
(21) EP18188865.2
(47) 08.01.2020
(22) 14.08.2018
(54) FUEL MAINTENANCE GUIDE SYSTEM FOR VEHICLE
(73) Mitsubishi Jidosha Kogyo Kabushiki Kaisha
(72) MIYAMOTO, Naoki
(31) 2017159912
2018144897
(32) 23.08.2017
01.08.2018
(33) Japan
Japan

(51) B61C 9/12
(11) EP3461708
(21) EP18191444.1
(47) 08.01.2020
(22) 29.08.2018
(54) DRIVE ARRANGEMENT FOR A RAIL VEHICLE AND DRIVE TRAIN
(73) ZF Friedrichshafen AG
(72) Bodesheim, Sven
(31) 102017217421
(32) 29.09.2017
(33) Germany

(51) B61D 13/00
B61D 17/06
B61D 25/00
(11) EP3064412
(21) EP16158033.7
(47) 08.01.2020
(22) 01.03.2016
(54) A METHOD FOR MANUFACTURING A DRIVING CABIN OF A RAILWAY VEHICLE, PARTICULARLY FOR A TRAMWAY
(73) ALSTOM Transport Technologies
(72) LABASQUE, Damien
METAYER, Bernard
LEBER, Yohan
LATRY, Patrick
(31) 1551782
(32) 03.03.2015
(33) France

(51) B61D 17/06
(11) EP3307600
(21) EP16733909.2
(47) 08.01.2020
(87) EP2016064547
09.02.2017
(22) 23.06.2016
(54) FRONT FLAP MODULE
(73) Siemens Mobility GmbH
(72) BREMEKAMP, Udo
(31) 102015214606
(32) 31.07.2015
(33) Germany

(51) B61D 17/10
(11) EP2733039
(21) EP13192716.2
(47) 08.01.2020
(22) 13.11.2013
(54) Local traffic rail vehicle, preferably low floor suspension vehicle, in multi-joint construction
(73) Bombardier Transportation GmbH
(72) Newesely, Gerald
Fischer, Michael
Petto, Michael
(31) 102012220806
(32) 14.11.2012
(33) Germany

(51) B61D 17/10
B61F 1/08
(11) EP3069950
(21) EP13897294.8
(47) 08.01.2020
(87) JP2013006654
21.05.2015
(22) 12.11.2013
(54) RAILWAY
(73) Kawasaki Jukogyo Kabushiki Kaisha
(72) TATEISHI, Go
KAWASAKI, Hiroyuki
SAKURAI, Hiroyuki
NEGI, Ryoji
MURAGISHI, Osamu
KAMEI, Yuji
MIZUMA, Shuichi

(51) B61D 17/18
(11) EP3049306
(21) EP14795991.0
(47) 08.01.2020
(87) EP2014073102
18.06.2015
(22) 28.10.2014
(54) VEHICLE, IN PARTICULAR RAIL VEHICLE, HAVING A RAILCAR BODY SHELL WALL AND PANELLING WALL
(73) Siemens Mobility GmbH
(72) JAKUBOWSKI, Jacek
LOHMANN, Thomas
(31) 102013225639
(32) 11.12.2013
(33) Germany

(51) B61D 27/00
(11) EP3390193
(21) EP17702809.9
(47) 08.01.2020
(87) EP2017051608
14.09.2017
(22) 26.01.2017
(54) AIR-CONDITIONING CHANNEL FOR A RAIL VEHICLE, COMPRISING A HEATING ELEMENT
(73) Siemens Mobility GmbH
(72) KASAP, Irfan
(31) 102016002347
(32) 09.03.2016
(33) Germany

(51) B61D 43/00
H02K 7/18
(11) EP3307601
(21) EP16736374.6
(47) 08.01.2020
(87) DE2016200264
15.12.2016
(22) 08.06.2016
(54) GENERATOR SYSTEM FOR RAIL VEHICLES
(73) Schaeffler Technologies AG & Co. KG
(72) STITZINGER, Rupert
MARQUARDT, Christoph
SEYBOLD, Alexander
(31) 102015210773
(32) 12.06.2015
(33) Germany

(51) B61F 5/30
B61F 5/52
F16F 1/18
(11) EP2824011
(21) EP13754813.7
(47) 08.01.2020
(87) JP2013000092
06.09.2013
(22) 11.01.2013
(54) PLATE SPRING UNIT AND RAILCAR BOGIE USING SAME
(73) Kawasaki Jukogyo Kabushiki Kaisha
(72) NISHIMURA, Takehiro
NAKAO, Shunichi
ENOMOTO, Masayuki
(31) 2012043135
(32) 29.02.2012
(33) Japan

(51) B61K 9/12
G01N 29/04
G01N 29/22
G01N 29/27

(11) EP2549271
(21) EP12175928.6
(47) 08.01.2020
(22) 11.07.2012
(54) Railway wheel test fixture and ultrasonic testing apparatus comprising such a test fixture
(73) Amsted Rail Company, Inc.
(72) Oliver, John R.
Oliver, John D.
(31) 201113135915
(32) 19.07.2011
(33) United States of America

(51) B61L 3/00
B61L 15/00
B61L 21/10
B61L 23/04
B61L 23/34
B61L 25/02
(11) EP3473522
(21) EP17199208.4
(47) 08.01.2020
(22) 30.10.2017
(54) VEHICLE ON-BOARD CONTROLLER CENTERED TRAIN OPERATION CONTROL SYSTEM
(73) Traffic Control Technology Co., Ltd.
(72) GAO, Chunhai
ZHANG, Qiang
SUN, Junguo
(31) 201710977491
(32) 17.10.2017
(33) China

(51) B61L 3/12
B61L 23/04
B61L 25/02
(11) EP2998184
(21) EP14380028.2
(47) 08.01.2020
(22) 18.09.2014
(54) System and method for automatically locating and recording a beacon
(73) Siemens Rail Automation S.A.U.
(72) Celestino Salmeron, David
Munoz Munoz, Jose Luis
Saiz Munoz, Maria
Sanchiz Redondo, Rocio
Frechiall Daza, Faustino
Rodriguez Urbieta, Jaime

(51) B61L 5/10
(11) EP3381763
(21) EP18163275.3
(47) 08.01.2020
(22) 22.03.2018
(54) SYSTEM AND SWITCH MACHINE FOR RAILROAD SWITCHES
(73) Silsud S.R.L.
(72) BECCARISI, Alessandro
BIAGIOTTI, Maurizio
(31) 201700035928
(32) 31.03.2017
(33) Italy

(51) B61L 23/04
E01B 5/02
E01B 35/00
E01B 35/06
E01B 35/08
G01B 21/32
(11) EP3333317
(21) EP17205021.3
(47) 08.01.2020
(22) 01.12.2017
(54) RAILWAY RAIL GUIDING SYSTEM
(73) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
(72) CARMONA, Mikaël
JOUANET, Laurent
VICOL, Thierry
NEVEU, Stéphane
(31) 1661849
(32) 02.12.2016
(33) France

(51) B62B 3/04
B66F 9/075
(11) EP3383790
(21) EP17735557.5
(47) 08.01.2020
(87) EP2017067038
11.01.2018
(22) 06.07.2017
(54) SUPPORT ROLLER, VEHICLE WITH A SUPPORT ROLLER AND METHOD FOR STABILIZING A VEHICLE
(73) Blickle Räder + Rollen GmbH & Co.KG
(72) HÖLLE, Rolf
(31) 102016112511
(32) 07.07.2016
(33) Germany

(51) B62D 1/24
B62D 51/00
B66F 9/07
B66F 9/075
G05D 1/00
G05D 1/02
G07C 9/00
G08C 17/02
(11) EP3382668
(21) EP18166204.0
(47) 08.01.2020
(22) 14.09.2007
(54) SYSTEMS AND METHODS OF REMOTELY CONTROLLING A MATERIALS HANDLING VEHICLE
(73) CROWN EQUIPMENT CORPORATION
(72) KRAIMER, James V.
POLLACK, Jay G.
WELLMAN, Timothy A.
JENSEN, Eric
CRABILL, Monty
DYKEMA, Kurt
DUCKWORTH, Paul
ZEILINGER, Todd A.
(31) 82568806 P
(32) 14.09.2006
(33) United States of America

(51) B62D 1/28
B62D 5/04
B62D 6/00
B62D 15/02
(11) EP3459822
(21) EP17843586.3
(47) 08.01.2020
(87) JP2017029961
01.03.2018
(22) 22.08.2017
(54) CONTROL DEVICE FOR ELECTRIC POWER STEERING DEVICE
(73) NSK Ltd.
(72) TSUBAKI, Takahiro
KAWADA, Hideaki
(31) 2016165762
(32) 26.08.2016
(33) Japan

(51) B62D 5/04
(11) EP3428042
(21) EP18182374.1
(47) 08.01.2020
(22) 09.07.2018
(54) STEERING DEVICE
(73) JTEKT CORPORATION
(72) KIMURA, Yuta
MURAKAMI, Hiroaki
(31) 2017136082
2017244131
(32) 12.07.2017
20.12.2017
(33) Japan
Japan

(51) B62D 5/04
B62D 6/00
B62D 101/00
B62D 113/00
B62D 119/00
H02P 25/22
H02P 27/08
(11) EP3454468
(21) EP17810092.1
(47) 08.01.2020
(87) JP2017019171
14.12.2017
(22) 23.05.2017
(54) MOTOR CONTROL DEVICE, ELECTRIC POWER STEERING DEVICE EQUIPPED WITH SAME AND VEHICLE
(73) NSK Ltd.
(72) URYU Kyosho
KUMAGAI Shin
(31) 2016113710
2016113711
(32) 07.06.2016
07.06.2016
(33) Japan
Japan

(51) B62D 5/04
F16H 25/22
(11) EP3480491
(21) EP18202600.5
(47) 18.12.2019
(22) 25.10.2018
(54) BALL SCREW DEVICE AND STEERING DEVICE
(73) JTEKT CORPORATION
(72) NAKAYAMA, Takuya
OGAWA, Keisuke
(31) 2017213901
2017213902
(32) 06.11.2017
06.11.2017
(33) Japan
Japan

(51) B62D 6/10
B62D 15/02
B60W 40/08

(11) EP3509930
(21) EP17803772.7
(47) 08.01.2020
(87) DE2017200117
13.09.2018
(22) 07.11.2017
(54) DEVICE AND METHOD FOR DETECTING MANUAL GUIDANCE OF A STEERING WHEEL
(73) Continental Automotive GmbH
(72) RAFAILA, Razvan
GROSU, Marian George
(31) 102017203735
201700139
(32) 07.03.2017
07.03.2017
(33) Germany
Romania

(51) B62D 15/02
(11) EP3406507
(21) EP18169610.5
(47) 08.01.2020
(22) 26.04.2018
(54) METHOD FOR CALIBRATING THE STEERING ANGLE SENSOR SYSTEM OF A MOTOR VEHICLE
(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(72) Swieter, Ingo
Cisterna, Luis Alberto
(31) 102017207751
(32) 08.05.2017
(33) Germany

(51) B62D 15/02
G05D 1/00
B60W 30/09
(11) EP3376327
(21) EP17178882.1
(47) 08.01.2020
(22) 29.06.2017
(54) METHOD OF CONTROLLING AN AUTONOMOUS VEHICLE AND A COLLISION AVOIDANCE DEVICE THEREOF
(73) Wipro Limited
(72) PAL, Shyam Sundar
(31) 201741008652
(32) 13.03.2017
(33) India

(51) B62D 25/04
B62D 25/08
C21D 1/20
C21D 1/673
C21D 8/00
C21D 8/02
C21D 8/04
C22C 1/02
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/14
C22C 38/32
(11) EP2441851
(21) EP11155713.8
(47) 08.01.2020
(22) 23.02.2011
(54) Cross-member and method for producing a thermoformed and press-hardened cross-member
(73) Benteler Automobiltechnik GmbH
(72) Zimmermann, Andreas
Dingemans, Jan
Pellmann, Markus
Böke, Johannes, Dr.
(31) 102010048209
(32) 15.10.2010
(33) Germany

(51) B62D 25/10
E02F 9/00
E02F 9/08
(11) EP2202363
(21) EP09176838.2
(47) 08.01.2020
(22) 24.11.2009
(54) Working machine
(73) Kobelco Construction Machinery Co., Ltd.
(72) Tsukamoto, Hironori
Sakitani, Shintaro
(31) 2008321455
(32) 17.12.2008
(33) Japan

(51) B62D 25/10
E02F 9/08
(11) EP3212853
(21) EP15794722.7
(47) 08.01.2020
(87) US2015058063
06.05.2016
(22) 29.10.2015
(54) TAILGATE LINKAGE
(73) Clark Equipment Company
(72) VANEK, Karel
BARTAUSIC, Tomas
(31) 201462072174 P
(32) 29.10.2014
(33) United States of America

(51) B62D 25/16
(11) EP3339141
(21) EP17203230.2
(47) 08.01.2020
(22) 23.11.2017
(54) WING WITH A RECESS
(73) MAN Truck & Bus SE
(72) Hornik, Darius
(31) 102016015494
(32) 23.12.2016
(33) Germany

(51) B62D 25/20
B62D 29/00
F16B 5/02
F16B 11/00
F16B 43/00
(11) EP3154844
(21) EP15733787.4
(47) 08.01.2020
(87) FR2015051463
23.12.2015
(22) 03.06.2015
(54) DEVICE FOR ATTACHING AN ACCESSORY TO A MOTOR VEHICLE FUEL TANK
(73) Renault S.A.S.
(72) KUHN, Nicolas
(31) 1455462
(32) 16.06.2014
(33) France

(51) B62D 31/02
(11) EP3377390
(21) EP16805009.4
(47) 08.01.2020
(87) EP2016077104
26.05.2017
(22) 09.11.2016
(54) OPTIMISED STRUCTURE FOR A LAND VEHICLE FOR PUBLIC PASSENGER TRANSPORT, AND VEHICLE COMPRISING SUCH A STRUCTURE
(73) Bluebus
(72) BESSON, Patrice
SAUVAGET, Thierry
(31) 1560974
(32) 16.11.2015
(33) France

(51) B62D 31/02
(11) EP3377389
(21) EP16805008.6
(47) 08.01.2020
(87) EP2016077103
26.05.2017
(22) 09.11.2016
(54) MULTI-FUNCTION PROFILE FOR THE STRUCTURE OF A LAND VEHICLE FOR PUBLIC PASSENGER TRANSPORT, STRUCTURE, AND VEHICLE COMPRISING SUCH A PROFILE
(73) Bluebus
(72) BESSON, Patrice
SAUVAGET, Thierry
(31) 1560972
(32) 16.11.2015
(33) France

(51) B62D 31/02
(11) EP3377391
(21) EP16805308.0
(47) 08.01.2020
(87) EP2016077121
26.05.2017
(22) 09.11.2016
(54) IMPROVED PROFILE FOR THE STRUCTURE OF A LAND VEHICLE FOR PUBLIC PASSENGER TRANSPORT, STRUCTURE, AND VEHICLE COMPRISING SUCH A PROFILE
(73) Bluebus
(72) BESSON, Patrice
SAUVAGET, Thierry
DESNEUX, Alexandre
(31) 1560988
(32) 16.11.2015
(33) France

(51) B62D 35/00
B62D 37/02
(11) EP3119666
(21) EP15715903.9
(47) 08.01.2020
(87) US2015021701
24.09.2015
(22) 20.03.2015
(54) DEPLOYABLE AERODYNAMIC SIDE PANEL SYSTEM

(73) Magna International Inc.
(72) POVINELLI, Anthony, J.
MATTHEWS, Martin, R.
(31) 201461968482 P
(32) 21.03.2014
(33) United States of America

(51) B62D 55/108
(11) EP3345812
(21) EP17203806.9
(47) 08.01.2020
(22) 27.11.2017
(54) TRACK WHEEL SUSPENSION FOR A CONSTRUCTION MACHINE
(73) Guangxi LiuGong Machinery Co., Ltd.
(72) WAGNER, Edward
(31) PCT/CN2016/111676
(32) 23.12.2016
(33) World Intellectual Property Office (WIPO)

(51) B62D 55/21
(11) EP3337715
(21) EP16751428.0
(47) 08.01.2020
(87) US2016045118
23.02.2017
(22) 02.08.2016
(54) LUBRICATED CARTRIDGE FOR HYDRAULIC MINING SHOVEL TRACK
(73) Caterpillar Inc.
(72) OERTLEY, Thomas E.
KOWALSKI, Thomas J.
(31) 201514830275
(32) 19.08.2015
(33) United States of America

(51) B62H 3/00
B62H 5/20
H04L 29/06
H04W 12/06
G06Q 30/06
G06Q 50/30
(11) EP3399714
(21) EP17200719.7
(47) 08.01.2020
(22) 09.11.2017
(54) VEHICLE MANAGEMENT METHOD, SYSTEM AND SERVER, AND VEHICLE
(73) Beijing Mobike Technology Co., Ltd.
(72) HU, Weiwei
JIN, Hongdu
ZOU, Jia
(31) 201710313362
(32) 05.05.2017
(33) China

(51) B62H 5/00
E05B 47/00
(11) EP3263430
(21) EP16872291.6
(47) 08.01.2020
(87) CN2016106195
15.06.2017
(22) 17.11.2016
(54) U-SHAPED LOCK
(73) Beijing Mobike Technology Co., Ltd.
(72) YANG, Zhongjie
XIA, Yiping
WANG, Yang
JIN, Hongdu
(31) 201510886397
(32) 06.12.2015
(33) China

(51) B62H 5/16
B62H 5/20
G07F 17/00
B60R 25/10
B60R 25/102
B60R 25/20
B60R 25/34
(11) EP3263431
(21) EP16872288.2
(47) 08.01.2020
(87) CN2016106131
15.06.2017
(22) 16.11.2016
(54) ANTI-THEFT MONITORING DEVICE, MONITORING METHOD AND ANTI-THEFT SYSTEM FOR TWO-WHEELER OR THREE-WHEELER
(73) Beijing Mobike Technology Co., Ltd.
(72) YANG, Zhongjie
XIA, Yiping
LIU, Xinwu
JIN, Hongdu
(31) 201510886398
(32) 06.12.2015
(33) China

(51) B62J 1/00
B62J 1/20
(11) EP3414147
(21) EP17713774.2
(47) 08.01.2020
(87) IB2017050747
17.08.2017
(22) 10.02.2017
(54) SEAT FOR A VEHICLE
(73) Selle Royal S.p.A.
(72) MALFATTI, Marco
BIGOLIN, Barbara
(31) UB20160685
(32) 11.02.2016
(33) Italy

(51) B62J 11/00
B62K 19/40
(11) EP2769902
(21) EP14155316.4
(47) 08.01.2020
(22) 17.02.2014
(54) Accessory socket layout structure of saddle-ride type vehicle
(73) Honda Motor Co., Ltd.
(72) Takizawa, Kota
Ebato, Kaori
(31) 2013034462
(32) 25.02.2013
(33) Japan

(51) B62J 17/00
B62J 23/00
B62J 29/00
(11) EP3072791
(21) EP13897269.0
(47) 08.01.2020
(87) JP2013006731
21.05.2015
(22) 15.11.2013
(54) STRADDLE-TYPE VEHICLE
(73) Kawasaki Jukogyo Kabushiki Kaisha
(72) ISHII, Hiroshi
TOMO, Yamamoto
SAEKI, Daisuke
NAGATA, Taku
SONODA, Seiichi
YOSHIDA, Akira
MORIKAWA, Manabu

(51) B62K 19/32
(11) EP3381782
(21) EP18158416.0
(47) 08.01.2020
(22) 23.02.2018
(54) FRAME STRUCTURE OF SADDLE RIDING TYPE VEHICLE
(73) HONDA MOTOR CO., LTD.
(72) MORI, Yotaro
YAMAGUCHI, Masahiro
(31) 2017065877
(32) 29.03.2017
(33) Japan

(51) B62K 21/20
B62K 25/08
(11) EP3315394
(21) EP16196018.2
(47) 08.01.2020
(22) 27.10.2016
(54) FORK SYSTEM
(73) smart simplicity
(72) Achenbach, Martin

(51) B62M 3/00
B62M 9/08
(11) EP3392129
(21) EP17201562.0
(47) 08.01.2020
(22) 14.11.2017
(54) BICYCLE CRANKSET
(73) Drivetrain Tech Solution Inc.
(72) CHEN, PO-CHENG
(31) 106112980
(32) 18.04.2017
(33) Taiwan, Province of China

(51) B62M 6/40
B62M 6/50
(11) EP3216685
(21) EP17153006.6
(47) 08.01.2020
(22) 25.01.2017
(54) METHOD AND DEVICE FOR MANAGING AN ADVANCING UNIT OF AN ELECTRIC BICYCLE
(73) Robert Bosch GmbH
(72) Ruhs, Mirko
Hinterkausen, Markus
Scheufele, Bernd
Sohnke, Thorsten
(31) 102016204027
(32) 11.03.2016
(33) Germany

(51) B63B 1/10
B63B 1/12
B63B 1/32
(11) EP3094549
(21) EP15700575.2
(47) 08.01.2020
(87) EP2015050715
23.07.2015
(22) 15.01.2015
(54) MARINE PROPULSION MULTIHULL SHIP

(73) Advanced Aerodynamic Vessels
(72) HUETZ, Lionel
GUELFI, Gianluca
KERHUEL, Matthieu
THOMAS, Hubert
(31) 1450335
(32) 16.01.2014
(33) France

(51) B63B 1/24
B64C 3/48
(11) EP3272635
(21) EP16180804.3
(47) 08.01.2020
(22) 22.07.2016
(54) FOIL HINGE SYSTEM
(73) Galeotti, Giovanni
(72) Galeotti, Giovanni

(51) B63B 9/06
(11) EP3405384
(21) EP17711788.4
(47) 08.01.2020
(87) IN2017050032
27.07.2017
(22) 20.01.2017
(54) MODULAR-TYPE VERY LARGE FLOATING STRUCTURES
(73) Sea6 Energy PVT. Ltd.
(72) NANDIGAMA, Chaitanya Praveen
KATREDDY, Rajesh Kumar Reddy
VADASSERY, Nelson
(31) 201641002183
(32) 20.01.2016
(33) India

(51) B63B 17/00
B63B 21/50
B63B 35/44
G01L 5/04
(11) EP3272636
(21) EP16765159.5
(47) 08.01.2020
(87) KR2016001542
22.09.2016
(22) 16.02.2016
(54) SEMI-SUBMERSIBLE MARITIME STRUCTURE
(73) Samsung Heavy Industries Co., Ltd.
(72) YUCK, Rae Hyoung
KIM, Hyun Jo
HONG, Sam Kwon
KIM, Seung Jun
(31) 20150038436
20160008591
(32) 19.03.2015
25.01.2016
(33) Korea (Republic)
Korea (Republic)

(51) B63B 19/00
B63B 25/16
B63B 27/24
E04H 7/02
F17C 3/04
F17C 13/00
(11) EP2792590
(21) EP12857255.9
(47) 08.01.2020
(87) KR2012009810
20.06.2013
(22) 20.11.2012
(54) STRUCTURE FOR MOUNTING PUMP TOWER OF LNG STORAGE TANK AND MANUFACTURING METHOD THEREOF
(73) Samsung Heavy Ind. Co., Ltd.
(72) CHUN, Sang Eon
KIM, Dae Jung
PARK, Sung Oh
LEE, Soo Ho
JOH, Ki Hun
HWANG, Jeong Oh
BANG, Chang Seon
(31) 20110136772
20120123719
(32) 16.12.2011
02.11.2012
(33) Korea (Republic)
Korea (Republic)

(51) B63B 25/02
B63B 25/12
B63B 43/06
B65D 88/78
F17C 13/00
(11) EP2981455
(21) EP14778500.0
(47) 08.01.2020
(87) US2014032989
09.10.2014
(22) 04.04.2014
(54) LARGE SUBSEA PACKAGE DEPLOYMENT METHODS AND DEVICES
(73) Safe Marine Transfer, LLC
(72) CHITWOOD, James, E.
SCHROEDER, Art, J., Jr.
(31) 201313858024
201414203635
(32) 06.04.2013
11.03.2014
(33) United States of America
United States of America

(51) B63B 27/08
B63B 35/03
B63B 35/44
F16L 1/15
F16L 1/20
F16L 9/127
B33Y 10/00
B33Y 30/00
B33Y 80/00
B29C 64/106
B29C 64/209
B29C 64/232
B29C 64/236
B29C 64/25
B29C 64/379
B29C 64/393
(11) EP3218257
(21) EP15858854.1
(47) 08.01.2020
(87) US2015059009
19.05.2016
(22) 04.11.2015
(54) ADDITIVE MANUFACTURING OF PIPES
(73) Lockheed Martin Corporation
(72) FLEISCHER, Corey, A.
ASCARI, Matthew, B.
GAIGLER, Randy, L.
POPPEK, Michael, W.
WAICUKAUSKI, James, A.
(31) 201462079187 P
(32) 13.11.2014
(33) United States of America

(51) B63B 35/03
B63B 35/04
B65H 49/32
B65H 54/553
B65H 67/00
F16L 1/20
(11) EP3197808
(21) EP15790612.4
(47) 08.01.2020
(87) GB2015052715
31.03.2016
(22) 21.09.2015
(54) REEL DRIVE ASSEMBLY
(73) Alfred Cheyne Engineering Limited
(72) NADAGOUDA, Nishant
(31) 201416961
(32) 25.09.2014
(33) United Kingdom

(51) B63B 35/50
B64F 1/12
(11) EP3041744
(21) EP14755688.0
(47) 08.01.2020
(87) EP2014068144
12.03.2015
(22) 27.08.2014
(54) LANDING AREA FOR A HELICOPTER AND HELICOPTER
(73) Robert Bosch GmbH
(72) SELTEN, Will
(31) 102013217711
(32) 05.09.2013
(33) Germany

(51) B63G 8/00
B66F 7/20
(11) EP3271283
(21) EP16705495.6
(47) 08.01.2020
(87) EP2016053413
22.09.2016
(22) 18.02.2016
(54) LIFTING DEVICE FOR A SUBMARINE
(73) thyssenkrupp Marine Systems GmbH
thyssenkrupp AG
(72) STOLTENBERG, Burkhard
SOMMERFELD, Bosse
(31) 102015104137
(32) 19.03.2015
(33) Germany

(51) B63G 8/00
G01N 33/24
G01V 5/00
G01V 9/00
G01V 11/00
(11) EP2776872
(21) EP12847005.1
(47) 08.01.2020
(87) US2012064549
16.05.2013
(22) 09.11.2012
(54) EXPLORATION METHOD AND SYSTEM FOR DETECTION OF HYDROCARBONS WITH AN UNDERWATER VEHICLE
(73) ExxonMobil Upstream Research Company

(72) POTTORF, Robert J.
LAWSON, Michael
MAY, Steven R.
DREYFUS, Sebastien L.
RAMAN, Sumathy
BOND, William
SRNKA, Leonard J.
MEURER, William P.
POWELL, William G.
RUDOLPH, Kurt W.
VANDEWATER, Christopher J.
CHERNEY, Daniel
ERTAS, Mehmet D.
ROBINSON, Amelia C.
REGBERG, Aaron B.
N'GUESSAN, Lucie A.
(31) 201161558822 P
201261595394 P
201261616813 P
PCT/US2012/052542
(32) 11.11.2011
06.02.2012
28.03.2012
27.08.2012
(33) United States of America
United States of America
United States of America
World Intellectual Property Office (WIPO)

(51) B63G 8/00
G01V 1/16
G01V 1/38
(11) EP3314309
(21) EP17776714.2
(47) 08.01.2020
(87) US2017025191
05.10.2017
(22) 30.03.2017
(54) SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION
(73) Magseis FF LLC
(72) FYFFE, Roger L.
MARC, Etienne
(31) 201615088058
(32) 31.03.2016
(33) United States of America

(51) B63J 4/00
C02F 1/30
C02F 1/32
C02F 1/34
C02F 1/48
(11) EP2890610
(21) EP13834205.0
(47) 08.01.2020
(87) SG2013000376
06.03.2014
(22) 28.08.2013
(54) SYSTEM AND METHOD OF BALLAST WATER TREATMENT WITH CONTINUOUS BIOFOULING CONTROL
(73) Sembcorp Marine Repairs & Upgrades Pte. Ltd.
(72) KUIK, Sow Hong
CHEW, Tee Tank
CHEW, Hwee Hong
CHUA, Chee Yong
(31) 201206460
(32) 30.08.2012
(33) Singapore

(51) B64C 11/30
B64C 17/10
B64D 37/04
B64D 37/14
B64D 37/20
F02C 7/22
F02C 7/228
F02C 7/236
F02C 9/42
F04D 13/06
(11) EP3040277
(21) EP14839879.5
(47) 08.01.2020
(87) JP2014071496
05.03.2015
(22) 15.08.2014
(54) FUEL SUPPLY APPARATUS FOR AIRCRAFT ENGINE
(73) IHI Corporation
(72) MORIOKA, Noriko
OYORI, Hitoshi
(31) 2013179226
(32) 30.08.2013
(33) Japan

(51) B64C 11/30
B64D 27/02
B64D 27/10
B64D 27/24
B64D 31/06
F01D 7/02
F01D 15/10
F01D 21/00
F02C 7/32
F02C 9/20
F02K 1/18
(11) EP2971594
(21) EP13861526.5
(47) 08.01.2020
(87) US2013070922
02.10.2014
(22) 20.11.2013
(54) HYBRID TURBO ELECTRIC AERO-PROPULSION SYSTEM CONTROL
(73) Rolls-Royce Corporation
Rolls-Royce North American Technologies, Inc.
(72) RAJASHEKARA, Kaushik
ROSS, Christine A. H.
ARMSTRONG, Michael
BLACKWELDER, Mark
(31) 201361783621 P
(32) 14.03.2013
(33) United States of America

(51) B64C 13/04
G05G 5/05
G05G 9/047
(11) EP2948368
(21) EP14702716.3
(47) 08.01.2020
(87) US2014011853
31.07.2014
(22) 16.01.2014
(54) PASSIVE CONTROL STICK
(73) Woodward, Inc.
(72) VOILES, Jeffrey, T.
(31) 201313750257
(32) 25.01.2013
(33) United States of America

(51) B64C 13/18
B64C 27/57
B64D 43/00
B64D 45/00
G01C 23/00
G05D 1/10
G06F 3/00
G06F 3/0362
G06F 3/0484
G06F 3/0488
(11) EP3489788
(21) EP18198531.8
(47) 18.12.2019
(22) 04.10.2018
(54) METHOD FOR CONTROLLING AN AIRCRAFT AUTOMATIC PILOT, ASSOCIATED CONTROL SYSTEM AND AIRCRAFT PROVIDED WITH SUCH A CONTROL SYSTEM
(73) Airbus Helicopters
(72) TARAVELLA, Gautier
(31) 1771271
(32) 28.11.2017
(33) France

(51) B64C 15/02
B64C 21/04
B64C 39/00
(11) EP3016859
(21) EP14816561.6
(47) 08.01.2020
(87) SE2014000090
31.12.2014
(22) 25.06.2014
(54) PROPULSION SYSTEM FOR AN AERIAL VEHICLE
(73) Försvarets Materielverk
(72) PRISELL, Erik
(31) 1300448
(32) 25.06.2013
(33) Sweden

(51) B64C 21/06
B64D 27/02
B64D 27/18
B64D 27/24
F01D 15/10
F02K 5/00
(11) EP3381797
(21) EP18163637.4
(47) 08.01.2020
(22) 23.03.2018
(54) ELECTRIC PROPULSION SYSTEM FOR AN AIRCRAFT
(73) General Electric Company
(72) MILLER, Brandon Wayne
VONDRELL, Randy M.
MARRINAN, Patrick Michael
GEMIN, Paul Robert
MOORE, Nicholas Taylor
(31) 201715475401
(32) 31.03.2017
(33) United States of America

(51) B64C 27/00
F16F 15/36
G01M 1/36
(11) EP2871458
(21) EP14191583.5
(47) 08.01.2020
(22) 04.11.2014

(54) Rotor balancing apparatus
(73) Sikorsky Aircraft Corporation
(72) Welsh, William A.
(31) 201314075520
201414512868
(32) 08.11.2013
13.10.2014
(33) United States of America
United States of America

(51) B64C 27/12
B64C 27/28
B64C 27/52
B64C 29/00
B64D 35/00
F02C 7/36
F16H 3/24
(11) EP3428065
(21) EP17184462.4
(47) 08.01.2020
(22) 02.08.2017
(54) VARIABLE-SPEED DRIVE SYSTEM FOR TILTROTOR WITH FIXED ENGINE AND ROTATING PROPROTOR
(73) Bell Helicopter Textron Inc.
(72) Ehinger, Ryan
Bockmiller, David
Sinusas, Eric
(31) 201715649217
(32) 13.07.2017
(33) United States of America

(51) B64C 27/12
B64D 33/08
F02C 7/14
F02C 7/32
F04D 17/16
F04D 25/02
F04D 25/08
F04D 29/28
F04D 29/42
(11) EP3194791
(21) EP15827866.3
(47) 08.01.2020
(87) US2015032385
04.02.2016
(22) 26.05.2015
(54) GEARBOX OIL COOLING ASSEMBLY
(73) Sikorsky Aircraft Corporation
(72) BROWN, Daniel Vincent
TULLY, JR., Thomas L.
GMIRYA, Yuriy
(31) 201462031440 P
(32) 31.07.2014
(33) United States of America

(51) B64C 27/28
B64C 29/00
F01D 15/10
(11) EP3369655
(21) EP18157978.0
(47) 08.01.2020
(22) 21.02.2018
(54) HYBRID PROPULSION DRIVE TRAIN SYSTEM FOR TILTROTOR AIRCRAFT
(73) Bell Helicopter Textron Inc.
(72) FENNY, Carlos Alexander
WITTMAAK, John Robert Jr.
RYAN, Mike John
DRENNAN, Joseph Scott
(31) 201762465934 P
201815896383
(32) 02.03.2017
14.02.2018
(33) United States of America
United States of America

(51) B64C 27/50
(11) EP3297910
(21) EP16797219.9
(47) 08.01.2020
(87) US2016033090
24.11.2016
(22) 18.05.2016
(54) HELICOPTER BLADE FOLDING APPARATUS
(73) Alion Science and Technology Corp.
(72) PETERSON, Eric
SCHWEITZER, Jeremiah
ANDERSON, Zachary
(31) 201562163662 P
(32) 19.05.2015
(33) United States of America

(51) B64C 33/02
F02C 7/04
(11) EP3459848
(21) EP17196041.2
(47) 08.01.2020
(22) 11.10.2017
(54) ROTORCRAFT ENGINE INLET CONFIGURATION TO OPTIMIZE PERFORMANCE IN BOTH HOVER AND HIGH SPEED FLIGHT
(73) Bell Helicopter Textron Inc.
(72) PARSONS, Thomas Dewey
(31) 201715710622
(32) 20.09.2017
(33) United States of America

(51) B64D 11/00
B64D 11/06
G06F 1/16
G06F 3/02
G06F 3/023
G06F 3/044
(11) EP3035150
(21) EP15194236.4
(47) 08.01.2020
(22) 12.11.2015
(54) DATA INPUT DEVICE FOR INFORMATION PROCESSING APPARATUS
(73) Panasonic Avionics Corporation
(72) Shah, Shrenik
Jiang, Feng
(31) 201462092052 P
(32) 15.12.2014
(33) United States of America

(51) B64D 11/06
(11) EP3071479
(21) EP14809733.0
(47) 08.01.2020
(87) US2014066297
28.05.2015
(22) 19.11.2014
(54) PASSENGER SEAT
(73) Safran Seats USA LLC
(72) LE, Foek (Phuc) Nguyen Tien
(31) 201361906052 P
(32) 19.11.2013
(33) United States of America

(51) B64D 13/06
B64D 15/04
B64D 29/02
F02C 6/08
(11) EP3421774
(21) EP17382396.4
(47) 08.01.2020
(22) 26.06.2017
(54) AIRCRAFT INCORPORATING A LOW-TEMPERATURE BLEED SYSTEM
(73) Airbus Operations, S.L.
(72) CASTILLO DE ALVEAR, Marta
PRIETO PADILLA, Juan Tomas

(51) B64D 13/06
H02J 3/00
(11) EP2765666
(21) EP13194062.9
(47) 08.01.2020
(22) 22.11.2013
(54) Airplane cabin environment management
(73) Astronics Advanced Electronic Systems Corp.
(72) Jouper, Jeffrey
Lamb, John S.
(31) 201313760777
(32) 06.02.2013
(33) United States of America

(51) B64D 27/06
F01C 1/22
F01C 11/00
F01D 15/10
F01D 25/16
F02C 6/12
F02C 6/20
F02C 7/36
(11) EP3059417
(21) EP16156791.2
(47) 08.01.2020
(22) 22.02.2016
(54) ENGINE ASSEMBLY WITH MODULAR COMPRESSOR AND TURBINE
(73) Pratt & Whitney Canada Corp.
(72) LAMARRE, Sylvain
FONTAINE, Mike
JULIEN, Andre
GAUL, Michael
THOMASSIN, Jean
MITROVIC, Lazar
MEDVEDEV, Ilya
USIKOV, Sergey
ZOLOTOV, Andrey
(31) 201562118914 P
201514864068
(32) 20.02.2015
24.09.2015
(33) United States of America
United States of America

(51) B64D 27/06
F01C 1/22
F01C 11/00
F01D 15/10
F01D 25/16
F02C 6/12
F02C 6/20
F02C 7/36
(11) EP3064743
(21) EP16156789.6

(47) 08.01.2020
(22) 22.02.2016
(54) AIRCRAFT COMPOUND ENGINE ASSEMBLY WITH CANTILEVERED COMPRESSOR AND TURBINE AND A CORRESPONDING METHOD
(73) Pratt & Whitney Canada Corp.
(72) LAMARRE, Sylvain
FONTAINE, Mike
JULIEN, Andre
GAUL, Michael
THOMASSIN, Jean
MITROVIC, Lazar
(31) 201562118914 P
201514864084
(32) 20.02.2015
24.09.2015
(33) United States of America
United States of America

(51) B64D 27/26
(11) EP3071481
(21) EP14812834.1
(47) 08.01.2020
(87) US2014066140
21.05.2015
(22) 18.11.2014
(54) TURBOPROP ENGINE ATTACHMENT SYSTEMS AND METHODS
(73) LORD Corporation
(72) ZAMEROSKI, Daniel C.
WHITEFORD, Gerald P.
(31) 201361905526 P
(32) 18.11.2013
(33) United States of America

(51) B64D 29/06
F02K 1/09
F02K 1/76
(11) EP2563664
(21) EP11715985.5
(47) 08.01.2020
(87) FR2011050627
03.11.2011
(22) 24.03.2011
(54) NACELLE FOR AIRCRAFT ENGINE WITH CASCADE THRUST REVERSER WHAVING AN ADAPTIVE NOZZLE
(73) Safran Nacelles
(72) MORADELL-CASELLAS, Pierre
(31) 1053282
(32) 28.04.2010
(33) France

(51) B64D 33/02
B64D 41/00
(11) EP2540624
(21) EP12169898.9
(47) 08.01.2020
(22) 29.05.2012
(54) Auxiliary power unit inlet
(73) Hamilton Sundstrand Corporation
(72) Light, Stacey H.
Vitale, Jack V.
(31) 201113173447
(32) 30.06.2011
(33) United States of America

(51) B64D 33/02
F02C 7/045
F02K 1/82
(11) EP2620628
(21) EP13000273.6
(47) 08.01.2020
(22) 18.01.2013
(54) Gas turbine engine nacelle with sound damping means in the fan intake area
(73) Rolls-Royce Deutschland Ltd & Co KG
(72) Todorovic, Predrag
Kubisch, Thomas
(31) 102012001571
(32) 26.01.2012
(33) Germany

(51) B64D 37/02
B64D 37/32
(11) EP3312092
(21) EP17197441.3
(47) 08.01.2020
(22) 20.10.2017
(54) FUEL TANK ULLAGE PURGE SYSTEM
(73) Hamilton Sundstrand Corporation
(72) TONGUE, Stephen E.
RHEAUME, Jonathan
CORDATOS, Haralambos
(31) 201615299811
(32) 21.10.2016
(33) United States of America

(51) B64G 1/00
B64G 1/24
B64G 1/26
B64G 1/28
B64G 1/36
B64G 1/40
(11) EP2690020
(21) EP13175810.4
(47) 08.01.2020
(22) 09.07.2013
(54) Method for reducing the angular momentum and controlling the attitude of a spacecraft
(73) Thales
(72) Caullier, François
Delhay, Faustine
Lacambre, Jean-Marc
Brouillard, Etienne
(31) 1202130
(32) 27.07.2012
(33) France

(51) B64G 1/10
B64G 1/24
B64G 1/26
B64G 1/32
B64G 1/36
B64G 1/56
B64G 1/64
B64G 1/66
(11) EP2774855
(21) EP12844873.5
(47) 08.01.2020
(87) JP2012078359
10.05.2013
(22) 01.11.2012
(54) DEVICE FOR REMOVING SPACE DEBRIS AND METHOD FOR REMOVING SPACE DEBRIS
(73) IHI Corporation
IHI Aerospace Co., Ltd.
(72) KITAZAWA, Yukihito
KAWABE, Aritsune
HASHIMOTO, Kozue
SONEHARA, Mitsuharu
UJI, Masaru
MORITA, Shinya
NOMURA, Katsuaki
NAKANISHI, Ayumi
(31) 2011241170
(32) 02.11.2011
(33) Japan

(51) B64G 1/64
(11) EP3119676
(21) EP14835604.1
(47) 08.01.2020
(87) US2014066553
24.09.2015
(22) 20.11.2014
(54) SPACECRAFT DOCKING SYSTEM
(73) The Boeing Company
(72) GHOFRANIAN, Siamak
CHUANG, Li-Ping Christopher
MOTAGHEDI, Pejmun
(31) 201414221357
(32) 21.03.2014
(33) United States of America

(51) B65B 3/00
B65B 7/16
B65B 51/14
(11) EP3356238
(21) EP16779313.2
(47) 08.01.2020
(87) US2016054851
06.04.2017
(22) 30.09.2016
(54) SYSTEMS AND METHODS FOR FILLING AND SEALING VIALS
(73) Muffin Incorporated
(72) SISKEN, Richard, B.
JONES, James, Thomas
BAXTER, Charles, Leland
BUHRMESTER, Marc, C.
HAVEL, William, J.
PURDY, James, D.
FEARNOT, Neal, E.
AMICK, Kyle, D.
(31) 201562234943 P
(32) 30.09.2015
(33) United States of America

(51) B65B 3/02
B65B 51/32
(11) EP3344552
(21) EP16745681.3
(47) 08.01.2020
(87) EP2016067775
09.03.2017
(22) 26.07.2016
(54) DEVICE AND METHOD FOR DRYING PACKAGINGS
(73) SIG Technology AG
(72) COMMANDEUR, Markus
(31) 102015114457
(32) 31.08.2015
(33) Germany

(51) B65B 3/08
B67C 3/20
B67C 3/26
B67C 3/28
(11) EP3165499
(21) EP16196620.5
(47) 08.01.2020
(22) 31.10.2016

(54) FILLING DEVICE FOR HETEROGENEOUS PRODUCTS
(73) WEIGHTPACK S.R.L.
(72) ZACCHE', Vanni
CORNIANI, Gianguido
(31) UB20154875
(32) 05.11.2015
(33) Italy

(51) B65B 9/04
B65B 31/04
B65B 61/00
B65D 65/46
B65D 75/32
B65D 75/40
B65D 75/44
B65D 77/06
B65D 81/20
B65D 81/32
C11D 17/04
(11) EP3245142
(21) EP16702015.5
(47) 08.01.2020
(87) US2016013130
21.07.2016
(22) 13.01.2016
(54) WEB OF CLEANING PRODUCTS HAVING A MODIFIED INTERNAL ATMOSPHERE AND METHOD OF MANUFACTURE
(73) Monosol, LLC
(72) LEE, David M.
EDWARDS, David Brian
(31) 201514596984
(32) 14.01.2015
(33) United States of America

(51) B65B 11/02
B65B 11/04
B65B 11/58
B65B 57/04
B65B 57/12
B65B 57/18
(11) EP3204302
(21) EP15784239.4
(47) 08.01.2020
(87) US2015054564
14.04.2016
(22) 07.10.2015
(54) PROJECTING CONTAINMENT FORCE FOR LOAD WRAPPING APPARATUS
(73) Lantech.Com LLC
(72) LANCASTER, III, Patrick R.
MITCHELL, Michael P.
(31) 201462060784 P
201462072161 P
(32) 07.10.2014
29.10.2014
(33) United States of America
United States of America

(51) B65B 11/42
B65B 51/14
(11) EP2282943
(21) EP09733773.7
(47) 08.01.2020
(87) EP2009054760
29.10.2009
(22) 21.04.2009
(54) METHOD AND MACHINE FOR FORMING A SEALED WRAPPING ABOUT AN ARTICLE
(73) AZIONARIA COSTRUZIONI MACCHINE AUTOMATICHE-A.C.M.A.-S.p.A.
(72) CIVOLANI, Daniele
CARRARA, Marco
(31) BO20080254
(32) 23.04.2008
(33) Italy

(51) B65B 13/18
B65B 27/08
B65B 59/04
B65H 49/00
B65H 49/26
B65H 49/32
(11) EP3360805
(21) EP18155242.3
(47) 08.01.2020
(22) 06.02.2018
(54) STRAPPING DEVICE
(73) Schneider & Ozga GmbH & Co. KG
(72) Nüssel, Hans
(31) 102017102853
(32) 13.02.2017
(33) Germany

(51) B65B 25/00
B65D 75/32
B65D 81/22
(11) EP3405410
(21) EP17709745.8
(47) 08.01.2020
(87) GB2017050525
08.09.2017
(22) 27.02.2017
(54) CONTACT LENS BLISTER PACK LABEL AND METHOD FOR ADJOINING BLISTER PACKS
(73) Coopervision International Holding Company, LP.
(72) DAVIS, Robert
(31) 201662301123 P
(32) 29.02.2016
(33) United States of America

(51) B65B 35/44
B65B 59/00
B65G 47/08
(11) EP3307632
(21) EP16732073.8
(47) 08.01.2020
(87) US2016036121
15.12.2016
(22) 07.06.2016
(54) A GROUPING APPARATUS COMPRISING AN ADJUSTABLE CARRIAGE FOR TRANSPORTING ARTICLES OF VARIOUS SIZES
(73) The Procter & Gamble Company
(72) PAPSDORF, Clifford, Theodore
HOWDYSHELL, Mark, Neil
BLAIR, Chris, Albert
(31) 201514734303
(32) 09.06.2015
(33) United States of America

(51) B65B 39/00
B65G 69/18
F16L 31/02
(11) EP3408200
(21) EP17700890.1
(47) 08.01.2020
(87) EP2017000064
03.08.2017
(22) 19.01.2017
(54) TRANSPORT SYSTEM FOR POURABLE AND FLOWABLE MEDIA HAVING A COUPLING DEVICE
(73) FLECOTEC AG
(72) KOCH, Martin
(31) 102016000979
(32) 29.01.2016
(33) Germany

(51) B65B 43/52
B65D 67/02
B65D 75/58
(11) EP3342721
(21) EP16838975.7
(47) 08.01.2020
(87) JP2016071274
02.03.2017
(22) 20.07.2016
(54) POUCH CONTAINER ALIGNED STRUCTURE, MANUFACTURING DEVICE FOR SAME, AND MANUFACTURING METHOD FOR SAME
(73) FUJI SEAL INTERNATIONAL, INC.
(72) NII, Satoshi
ODE, Hideki
UETSUKI, Akira
WATANABE, Shinji
(31) 2015165273
(32) 24.08.2015
(33) Japan

(51) B65C 9/22
(11) EP3317192
(21) EP16719042.0
(47) 08.01.2020
(87) EP2016058052
05.01.2017
(22) 13.04.2016
(54) GLUE ROLLER WITH LIMITED GLUEING AREA
(73) Krones AG
(72) KRONSEDER, Volker
(31) 102015212141
(32) 30.06.2015
(33) Germany

(51) B65D 1/32
B65D 35/02
(11) EP3378798
(21) EP16866258.3
(47) 08.01.2020
(87) JP2016083586
26.05.2017
(22) 11.11.2016
(54) SQUEEZE CONTAINER
(73) TAKEUCHI PRESS INDUSTRIES CO., LTD.
Senju Pharmaceutical Co., Ltd.
(72) MURASE, Takahiro
OTSUKA, Tadashi
(31) 2015227600
(32) 20.11.2015
(33) Japan

(51) B65D 5/20
B65D 5/24

B65D 5/46
(11) EP3362371
(21) EP16781340.1
(47) 08.01.2020
(87) EP2016073879
20.04.2017
(22) 06.10.2016
(54) BLANK, BAG WITH ADVANTAGEOUS HANDLE AND ASSOCIATED METHODS OF MANUFACTURING
(73) Buntbox GmbH
(72) BRODBECK, Simon
(31) 102015013279
(32) 13.10.2015
(33) Germany

(51) B65D 23/00
B65D 39/00
B65D 47/20
B65D 51/28
B65D 81/32
(11) EP2773571
(21) EP12845818.9
(47) 08.01.2020
(87) US2012063548
10.05.2013
(22) 05.11.2012
(54) BOTTLE INCLUDING A HOLLOW REMOVABLE CLOSURE
(73) RNR IP Holdings LLC
(72) HERBST, Andrew F.
(31) 201113289484
(32) 04.11.2011
(33) United States of America

(51) B65D 30/00
B65D 81/38
(11) EP3381830
(21) EP17382581.1
(47) 08.01.2020
(22) 22.08.2017
(54) ISOTHERMAL BAG
(73) Tempack Packaging Solutions S.L.
(72) DÍAZ MARTÍNEZ, Xavier
RUIZ-HERRERO, José Luis
ORRIOLS, Joan
VILA, Alex
(31) 201700242
(32) 30.03.2017
(33) Spain

(51) B65D 41/34
B65D 41/42
(11) EP3174811
(21) EP15738152.6
(47) 08.01.2020
(87) TR2015000230
23.12.2015
(22) 25.05.2015
(54) A PACKAGE STRUCTURE FOR BEVERAGES
(73) Biçer, Niyazi
(72) Biçer, Niyazi
(31) 201407120
(32) 18.06.2014
(33) Turkey

(51) B65D 47/08
B65D 47/20
B65D 47/30
G01F 11/06
G01F 11/30
G01F 15/00
(11) EP3315922
(21) EP16195522.4
(47) 08.01.2020
(22) 25.10.2016
(54) LIQUID DOSING APPARATUS
(73) The Procter & Gamble Company
(72) HOEFTE, Paulus Antonius Augustinus

(51) B65D 47/08
B65D 47/24
(11) EP3398873
(21) EP18168586.8
(47) 08.01.2020
(22) 20.04.2018
(54) STOPPER FOR A CONTAINER WITH A CLOSABLE DISPENSER WITH EVIDENCE OF FIRST OPENING
(73) AFFABA & FERRARI S.r.l.
(72) Ferrari, Silvia
Ferrari, Guglielmo
(31) 201700048753
(32) 05.05.2017
(33) Italy

(51) B65D 53/06
C08L 23/06
C08L 23/14
C08L 23/20
C09K 3/10
(11) EP3433317
(21) EP17711693.6
(47) 08.01.2020
(87) EP2017056977
28.09.2017
(22) 23.03.2017
(54) SOFT POLYOLEFIN COMPOSITION
(73) Basell Poliolefine Italia S.r.l.
(72) MARCHINI, Roberta
SPATARO, Stefano
PASQUALI, Stefano
MUSACCHI, Gianluca
(31) 16162172
(32) 24.03.2016
(33) European Patent Office (EPO)

(51) B65D 55/02
G04F 1/00
(11) EP2529279
(21) EP11705951.9
(47) 08.01.2020
(87) GB2011000097
04.08.2011
(22) 26.01.2011
(54) ELAPSED TIME INDICATOR
(73) Uwi Technology Ltd
(72) HIGGINS, Peter
(31) 201001235
(32) 26.01.2010
(33) United Kingdom

(51) B65D 71/70
(11) EP3271262
(21) EP16713185.3
(47) 08.01.2020
(87) US2016021497
22.09.2016
(22) 09.03.2016
(54) TRAY SYSTEM FOR DISPLAY, STORAGE AND TRANSPORTATION OF BOTTLES
(73) Polymer Solutions International, Inc.
(72) KELLY, Daniel, E.
SPADAVECCHIA, John, A.
FAVARON, James, A.
JACOBS, Jeff
(31) 201514658681
(32) 16.03.2015
(33) United States of America

(51) B65D 73/02
H05K 13/00
(11) EP3345471
(21) EP16766427.5
(47) 08.01.2020
(87) US2016050154
09.03.2017
(22) 02.09.2016
(54) CARRIER TAPE
(73) Qualcomm Incorporated
(72) NEWMAN, Anthony, Thomas
(31) 201562213491 P
201615255116
(32) 02.09.2015
01.09.2016
(33) United States of America
United States of America

(51) B65D 75/56
B65D 75/58
B65D 83/00
B65D 85/72
B67D 1/00
B67D 1/08
B67D 1/10
(11) EP3272703
(21) EP16765049.8
(47) 08.01.2020
(87) JP2016058429
22.09.2016
(22) 17.03.2016
(54) CONTAINER
(73) Suntory Holdings Limited
(72) SUZUKI, Yuuji
AIHARA, Masatoshi
YOKOYAMA, Hiroki
(31) 2015056964
2015144274
(32) 19.03.2015
21.07.2015
(33) Japan
Japan

(51) B65D 77/04
B65D 77/06
(11) EP3433181
(21) EP17714393.0
(47) 08.01.2020
(87) EP2017000360
28.09.2017
(22) 23.03.2017
(54) PLASTIC LINER WITH INNER LINING
(73) Mauser-Werke GmbH
(72) WEYRAUCH, Detlev
(31) 102016003496
(32) 24.03.2016
(33) Germany

(51) B65D 81/00
B65D 85/50
C08L 67/02
(11) EP3290477
(21) EP17183330.4
(47) 08.01.2020

(22) 26.07.2017
(54) RECYCLABLE, BIODEGRADABLE AND/OR COMPOSTABLE FOOD-GRADE PLASTIC COMPOSITION, RIGID ITEMS DERIVED FROM SAME, AND CORRESPONDING METHODS AND USES
(73) ICCI SEA
(72) GODET, Raynald
CHAUVEL, Marie
(31) 1658010
(32) 29.08.2016
(33) France

(51) B65D 81/32
B65D 85/804
(11) EP3222555
(21) EP16161748.5
(47) 08.01.2020
(22) 22.03.2016
(54) EXTRACTION CAPSULE
(73) Mühlemann IP GmbH
(72) MÜHLEMANN, Rolf

(51) B65D 83/06
G03G 15/08
(11) EP1589384
(21) EP05008763.4
(47) 08.01.2020
(22) 21.04.2005
(54) Developer container
(73) Ricoh Company, Ltd.
(72) Katsuyama, Goro
Katoh, Keisuke
Kita, Emi
Takami, Nobuo
(31) 2004127537
2004378907
(32) 23.04.2004
28.12.2004
(33) Japan
Japan

(51) B65D 85/804
(11) EP3521210
(21) EP19165225.4
(47) 08.01.2020
(22) 22.07.2011
(54) PORTION CAPSULE WITH BARCODE
(73) K-fee System GmbH
(72) KRÜGER, Marc
EMPL, Günter
(31) 102010031988
102010044251
102011010534
(32) 22.07.2010
02.09.2010
07.02.2011
(33) Germany
Germany
Germany

(51) B65D 88/12
(11) EP3395721
(21) EP18169659.2
(47) 08.01.2020
(22) 26.04.2018
(54) TANK CONTAINER WITH FRAME AND USE OF THE TANK CONTAINER
(73) Van Hool NV
(72) Taeymans, Erik
Van Haaren, Jan
Uyttebroeck, Bert
(31) 201705296
201705295
(32) 26.04.2017
26.04.2017
(33) Belgium
Belgium

(51) B65D 88/12
(11) EP3395720
(21) EP18169653.5
(47) 08.01.2020
(22) 26.04.2018
(54) TANK CONTAINER WITH FRAME
(73) Van Hool NV
(72) Uyttebroeck, Bert
Hendrickx, Jos
Claassen, Rudolf
(31) 201705295
201705296
(32) 26.04.2017
26.04.2017
(33) Belgium
Belgium

(51) B65D 90/22
B65D 90/48
(11) EP3448783
(21) EP17722696.6
(47) 08.01.2020
(87) EP2017059402
02.11.2017
(22) 20.04.2017
(54) DEVICE FOR PREVENTING THE FLOATING OF TANKS IN PROTECTIVE CONSTRUCTIONS IN THE EVENT OF FLOODING
(73) Kempf-Tank-Service AG
(72) KEMPF, Hanspeter
(31) 5432016
(32) 25.04.2016
(33) Switzerland

(51) B65D 90/62
F16K 1/20
F16K 27/02
(11) EP3339696
(21) EP17203188.2
(47) 08.01.2020
(22) 23.11.2017
(54) DISCHARGE VALVE
(73) Tetra Laval Holdings & Finance S.A.
(72) ODET, Frédéric
MALECOT, Blandine
LORRY, Florent
(31) 16206032
(32) 21.12.2016
(33) European Patent Office (EPO)

(51) B65F 3/00
(11) EP2347978
(21) EP10190679.0
(47) 08.01.2020
(22) 10.11.2010
(54) Loading system for lifting and emptying a container
(73) Terberg Machines B.V.
(72) Versteeg, Jan Paul
(31) 2004148
(32) 26.01.2010
(33) Netherlands

(51) B65G 15/30
B65G 15/42
B65G 15/54
D21F 11/00
D21F 11/14
(11) EP3237310
(21) EP15862455.1
(47) 08.01.2020
(87) US2015061035
02.06.2016
(22) 17.11.2015
(54) THREE-DIMENSIONAL PAPERMAKING BELT
(73) Kimberly-Clark Worldwide, Inc.
(72) BURAZIN, Mark, Alan
COLLINS, Lynda, Ellen
CARLOW, Geoffrey, Fenn
(31) 201462084260 P
(32) 25.11.2014
(33) United States of America

(51) B65G 17/20
(11) EP3028960
(21) EP15195162.1
(47) 08.01.2020
(22) 18.11.2015
(54) METHOD FOR RELEASING A CONVEYOR ELEMENT FROM A CONVEYOR FRAME OF A CONVEYOR CHAIN FOR CONVEYING SUSPENDED ITEMS, CONVEYOR CHAIN, CONVEYOR FRAME AND CONVEYOR ELEMENT
(73) Vanderlande Industries B.V.
(72) Schneuing, Ralf Ferdinand
(31) 102014224253
(32) 27.11.2014
(33) Germany

(51) B65G 23/44
E01C 19/48
(11) EP3330438
(21) EP17001911.1
(47) 08.01.2020
(22) 23.11.2017
(54) ROAD CONSTRUCTION MACHINE AND METHOD FOR OPERATING A ROAD CONSTRUCTION MACHINE
(73) Dynapac GmbH
(72) Schwarting, Thorsten
Fasche, Christian
Fischer, Stefan
(31) 102016014395
(32) 01.12.2016
(33) Germany

(51) B65G 45/12
B65G 45/14
B65G 45/16
(11) EP3122662
(21) EP15769818.4
(47) 08.01.2020
(87) US2015023018
01.10.2015
(22) 27.03.2015
(54) SCRAPER BLADE FOR CONVEYOR BELTS
(73) Flexible Steel Lacing Company
(72) DEVRIES, Brett E.
(31) 201414229800
(32) 28.03.2014

(33) United States of America

(51) B65G 47/66
(11) EP2406160
(21) EP10751498.6
(47) 08.01.2020
(87) US2010027196
16.09.2010
(22) 12.03.2010
(54) HITCH GUARD SYSTEMS FOR CONVEYORS
(73) Flexible Steel Lacing Company
(72) MCKEE, James P.
(31) 160195 P
(32) 13.03.2009
(33) United States of America

(51) B65H 1/02
(11) EP3336026
(21) EP17200627.2
(47) 08.01.2020
(22) 08.11.2017
(54) SHEET FEEDING APPARATUS
(73) Funai Electric Co., Ltd.
(72) TAKAGI, Masaaki
YAMADA, Masanori
OGAWA, Daisuke
(31) 2016244792
(32) 16.12.2016
(33) Japan

(51) B65H 3/08
B65H 3/48
B65H 3/62
B65H 3/68
(11) EP3023372
(21) EP14193675.7
(47) 08.01.2020
(22) 18.11.2014
(54) Separating device, splitting device for a separating device and method for operating a separating device
(73) Mayr-Melnhof Karton AG
(72) GALVIN, Michael

(51) B65H 7/00
B65H 9/10
(11) EP2743220
(21) EP13193256.8
(47) 08.01.2020
(22) 18.11.2013
(54) Adjustment of suction air to match sheet format
(73) Heidelberger Druckmaschinen AG
(72) Ehrbar, David
Müller, Andreas
(31) 102012024619
(32) 17.12.2012
(33) Germany

(51) B65H 18/02
B65H 75/24
(11) EP3307665
(21) EP16728311.8
(47) 08.01.2020
(87) EP2016063214
15.12.2016
(22) 09.06.2016
(54) WINDING SHAFT FOR RECEIVING AT LEAST ONE WINDING CORE
(73) Windmöller & Hölscher KG
(72) HOFFMANN, Frank
(31) 102015210567
(32) 09.06.2015
(33) Germany

(51) B65H 18/20
B65H 18/26
D01G 27/00
(11) EP3017097
(21) EP14724641.7
(47) 08.01.2020
(87) EP2014001208
08.01.2015
(22) 07.05.2014
(54) LAP WINDER FOR WINDING STRIPS OF COTTON WOOL TO LAP ROLLS
(73) Trützschler GmbH & Co. KG
(72) SCHMITZ, Thomas
(31) 102013107031
102013108507
(32) 04.07.2013
07.08.2013
(33) Germany
Germany

(51) B65H 31/02
B65H 31/22
(11) EP3150530
(21) EP16001821.4
(47) 08.01.2020
(22) 18.08.2016
(54) RECEPTION APPARATUS
(73) Canon Kabushiki Kaisha
(72) Asai, Yasuyuki
Yoneyama, Hiromasa
Anayama, Daiki
(31) 2015191223
2015191277
2015191317
(32) 29.09.2015
29.09.2015
29.09.2015
(33) Japan
Japan
Japan

(51) B65H 31/10
B65H 31/32
(11) EP3024767
(21) EP14741636.6
(47) 08.01.2020
(87) EP2014065721
29.01.2015
(22) 22.07.2014
(54) METHOD FOR PRODUCING LARGE STACKS OF LARGE FORMAT SHEETS
(73) BW Papersystems Stuttgart GmbH
(72) KLEIN, Hansjörg
(31) 102013214338
(32) 23.07.2013
(33) Germany

(51) B65H 49/20
B65H 61/00
G01B 7/02
(11) EP3239650
(21) EP17000709.0
(47) 08.01.2020
(22) 26.04.2017
(54) MEASURING INSTRUMENT FOR DETERMINING CABLE LENGTHS
(73) Jehle, Paul
(72) Jehle, Paul
(31) 202016102194 U
(32) 26.04.2016
(33) Germany

(51) B65H 51/20
D03D 41/00
D03D 47/34
(11) EP3374303
(21) EP16831760.0
(47) 08.01.2020
(87) IT2016000263
18.05.2017
(22) 10.11.2016
(54) CONTROLLED SYSTEM FOR SUPPLYING WEFT YARN IN A LOOM
(73) P.t.m.t. S.r.l
(72) PEZZOLI, Aldo
PEZZOLI, Luigi
(31) UB20155496
(32) 11.11.2015
(33) Italy

(51) B65H 54/26
D01H 4/48
D01H 13/00
(11) EP3156528
(21) EP16193355.1
(47) 08.01.2020
(22) 11.10.2016
(54) TEXTILE MACHINE WITH A SERVICE UNIT WHICH CAN BE MOVED ALONG THE WORKING POSITIONS AND METHOD FOR POSITIONING A SERVICE UNIT IN FRONT OF A WORKING POSITION
(73) Saurer Spinning Solutions GmbH & Co. KG
(72) Geisler, Robert
(31) 102015013486
(32) 16.10.2015
(33) Germany

(51) B65H 67/08
(11) EP3281903
(21) EP16776255.8
(47) 08.01.2020
(87) JP2016001515
13.10.2016
(22) 16.03.2016
(54) DEVICE FOR GUIDING YARN END OF YARN FEEDING BOBBIN, AND BOBBIN PREPARATION SYSTEM
(73) Murata Machinery, Ltd.
(72) SAKAMOTO, Naotaka
(31) 2015077548
(32) 06.04.2015
(33) Japan

(51) B65H 75/34
B65H 75/44
(11) EP3398892
(21) EP16909318.4
(47) 08.01.2020
(87) CN2016094927
25.01.2018
(22) 12.08.2016
(54) DRAWING TYPE REEL MODULE
(73) Qingdao Goertek Technology Co., Ltd.
(72) TANG, Mingjun
(31) 201610586990
(32) 22.07.2016
(33) China

(51) B65H 75/44
F16G 13/16
H02G 3/04
H02G 11/02
(11) EP3445695
(21) EP17720400.5
(47) 08.01.2020
(87) EP2017059422
26.10.2017
(22) 20.04.2017
(54) ROUTING SYSTEM FOR AT LEAST ONE SUPPLY LINE WHICH CAN BE COILED AND UNCOILED, AND ROTARY GUIDE THEREFOR
(73) Igus GmbH
(72) THEISS, Georg
(31) 202016102087 U
(32) 20.04.2016
(33) Germany

(51) B66B 1/28
B66B 5/00
B66B 11/04
G01D 5/20
H02K 21/16
H02K 11/225
(11) EP3211382
(21) EP14904516.3
(47) 08.01.2020
(87) JP2014077797
28.04.2016
(22) 20.10.2014
(54) ROTATION ANGLE DETECTION DEVICE, ROTATING ELECTRICAL MACHINE, AND ELEVATOR HOISTING MACHINE
(73) Mitsubishi Electric Corporation
(72) TAKIGUCHI, Ryuichi
NAKADA, Satoru
MINOBE, Morishige
NIIKURA, Shuhei
KASHIMA, Shunta
KOMATSU, Takanori

(51) B66B 1/46
(11) EP3231754
(21) EP16165574.1
(47) 08.01.2020
(22) 15.04.2016
(54) METHOD, PROGRAM AND MOBILE DEVICE FOR CONTROLLING AN ELEVATOR SYSTEM
(73) Otis Elevator Company
(72) IFLAND, Maren
COMINELLI, Donald, F.

(51) B66B 1/46
B66B 5/00
(11) EP3075697
(21) EP16163726.9
(47) 08.01.2020
(22) 04.04.2016
(54) SYSTEM AND METHOD FOR PASSENGER CONVEYANCE CONTROL AND SECURITY VIA RECOGNIZED USER OPERATIONS
(73) Otis Elevator Company
(72) FANG, Hui
FINN, Alan Matthew
HSU, Arthur
(31) 201510158083
(32) 03.04.2015
(33) China

(51) B66B 5/08
(11) EP2948400
(21) EP13799243.4
(47) 08.01.2020
(87) EP2013074485
31.07.2014
(22) 22.11.2013
(54) INTEGRATED CATCHING DEVICE ON OVERTRAVEL BRAKE DEVICES
(73) Siemag Tecberg GmbH
(72) KOCH, Matthias
MERKEL, Johann
(31) 102013001405
(32) 28.01.2013
(33) Germany

(51) B66B 7/04
(11) EP3372546
(21) EP18150939.9
(47) 08.01.2020
(22) 10.01.2018
(54) A STABILIZING DEVICE OF ELEVATOR CAR AND A CONTROL METHOD THEREOF, AN ELEVATOR SYSTEM
(73) Otis Elevator Company
(72) LI, Qing
KANG, Kai
WANG, Shengyu
GONG, Xiaokai
TANG, Xiaobin
TANG, Zhengzong
LIU, Wenbo
(31) 201710015473
(32) 10.01.2017
(33) China

(51) B66B 13/28
B66B 13/30
(11) EP3192764
(21) EP16198287.1
(47) 08.01.2020
(22) 10.11.2016
(54) ELEVATOR APPARATUS
(73) Toshiba Elevator Kabushiki Kaisha
(72) YOSHIDA, Taku
(31) 2015223505
(32) 13.11.2015
(33) Japan

(51) B66C 1/66
(11) EP3381860
(21) EP17020127.1
(47) 08.01.2020
(22) 30.03.2017
(54) LIFTING RING FOR HANDLING MOULDS
(73) Rodrigues da Costa, José
(72) Rodrigues da Costa, José

(51) B66C 13/06
B66C 13/46
(11) EP3428110
(21) EP17180558.3
(47) 08.01.2020
(22) 10.07.2017
(54) LOAD HANDLING SYSTEM FOR A LIFTING ARRANGEMENT
(73) Cargotec Patenter AB
(72) VIHONEN, Juho

(51) B66C 13/16
B66C 15/06
B66C 23/82
B66C 23/90
(11) EP3256415
(21) EP16703432.1
(47) 08.01.2020
(87) EP2016000188
18.08.2016
(22) 04.02.2016
(54) CRANE, AS WELL AS PROCESS FOR MONITORING THE OVERLOAD PROTECTION OF SUCH A CRANE
(73) Liebherr-Components Biberach GmbH
(72) WIEST, Simon
(31) 202015001023 U
(32) 09.02.2015
(33) Germany

(51) B66C 23/52
E02F 3/88
E02F 9/06
E21B 7/12
E21B 17/01
E21C 50/00
(11) EP3268583
(21) EP16722411.2
(47) 08.01.2020
(87) NL2016050175
15.09.2016
(22) 11.03.2016
(54) SUBSEA GRAB SYSTEM AND MARINE VESSEL HAVING SUCH SUBSEA GRAB SYSTEM
(73) Van Oord Dredging And Marine Contractors B.V.
(72) STOELHORST, Johannes Jacobus
(31) 2014436
(32) 11.03.2015
(33) Netherlands

(51) B67B 3/20
(11) EP3227226
(21) EP15820612.8
(47) 08.01.2020
(87) IB2015059159
09.06.2016
(22) 27.11.2015
(54) METHOD AND APPARATUS FOR CLOSING RECEPTACLES
(73) Gea Procomac S.p.A.
(72) PAGLIARINI, Paolo
(31) PR20140080
(32) 01.12.2014
(33) Italy

(51) B67C 3/28
(11) EP3313775
(21) EP16728340.7
(47) 08.01.2020
(87) EP2016063458
29.12.2016
(22) 13.06.2016
(54) FILLING SYSTEM FOR FILLING OF CONTAINERS
(73) KHS GmbH
(72) KRULITSCH, Dieter-Rudolf
(31) 102015110067
(32) 23.06.2015
(33) Germany

(51) B67D 1/00

B67D 1/04
B67D 1/08
(11) EP3377438
(21) EP16804982.3
(47) 08.01.2020
(87) US2016062227
26.05.2017
(22) 16.11.2016
(54) BEVERAGE EXTRACTOR FOR SPARKLING BEVERAGES
(73) Coravin, Inc.
(72) LAMBRECHT, Gregory
MOORE, Robert, Kevin
(31) 201562256254 P
(32) 17.11.2015
(33) United States of America

(51) B68B 1/02
B68B 1/04
B68B 5/00
B68B 7/00
(11) EP3296253
(21) EP16201351.0
(47) 08.01.2020
(22) 30.11.2016
(54) RING-PADDING DEVICE
(73) Hautkappe, Thomas
(72) Hautkappe, Thomas
(31) 202016105204 U
(32) 19.09.2016
(33) Germany

(51) B81B 3/00
(11) EP3365270
(21) EP16785122.9
(47) 08.01.2020
(87) EP2016075188
27.04.2017
(22) 20.10.2016
(54) ELECTROTHERMALLY ACTUATED MICROELECTROMECHANICAL AND/OR NANOELECTROMECHANICAL STRUCTURE PROVIDING INCREASED EFFICIENCY
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
SAFRAN ELECTRONICS & DEFENSE
(72) JOURDAN, Guillaume
LEHEE, Guillaume
(31) 1560043
(32) 21.10.2015
(33) France

(51) B81B 3/00
(11) EP2562134
(21) EP12181228.3
(47) 08.01.2020
(22) 21.08.2012
(54) Capacitive transducer and methods of manufacturing and operating the same
(73) Samsung Electronics Co., Ltd.
(72) Kim, Che-heung
(31) 20110083582
(32) 22.08.2011
(33) Korea (Republic)

(51) B81B 5/00
G01P 15/08
G01P 15/093
(11) EP3380849
(21) EP16801739.0
(47) 08.01.2020
(87) EP2016078128
01.06.2017
(22) 18.11.2016
(54) FIBRE OPTIC ACCELERATION SENSOR
(73) MC-Monitoring S.A.
(72) AEBI, Laurent
TORMEN, Maurizio
TIMOTIJEVIC, Branislav
PÉTREMAND, Yves
BAYAT, Dara
LÜTZELSCHWAB, Markus
(31) 17352015
(32) 27.11.2015
(33) Switzerland

(51) B81B 7/00
(11) EP3323778
(21) EP16306538.6
(47) 08.01.2020
(22) 22.11.2016
(54) MEMS DEVICE AND METHOD FOR CALIBRATING A MEMS DEVICE
(73) NXP USA, Inc.
(72) TEO, Yean Ling
GEISBERGER, Aaron A.
CORNIBERT, Laurent

(51) B81C 1/00
(11) EP3159302
(21) EP16194901.1
(47) 08.01.2020
(22) 20.10.2016
(54) METHOD FOR ENCAPSULATING A MICROELECTRONIC COMPONENT
(73) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
(72) REY, Patrice
(31) 1560031
(32) 21.10.2015
(33) France

(51) B82Y 5/00
A01N 25/04
A61K 8/04
A61K 9/107
A61K 47/30
A61Q 19/00
(11) EP2750500
(21) EP12753233.1
(47) 08.01.2020
(87) GB2012052028
07.03.2013
(22) 20.08.2012
(54) METHOD OF PREPARING CARRIER LIQUIDS
(73) The University of Liverpool
(72) FOSTER, Alison Jayne
LONG, James
RANNARD, Steven Paul
WANG, Dong
(31) 201115079
(32) 31.08.2011
(33) United Kingdom

(51) B82Y 5/00
B82Y 30/00
A01N 25/34
B82B 3/00
C12N 1/06
C12Q 1/24
H01L 21/3065
(11) EP3041787
(21) EP14841944.3
(47) 08.01.2020
(87) AU2014050211
12.03.2015
(22) 05.09.2014
(54) A SYNTHETIC BIOCIDAL SURFACE COMPRISING AN ARRAY OF NANOSPIKES
(73) Global Orthopaedic Technology Pty Limited
(72) JUODKAZIS, Saulius
IVANOVA, Elena
(31) 2013903399
(32) 05.09.2013
(33) Australia

(51) B82Y 10/00
B82Y 15/00
B82Y 25/00
H01L 21/02
H01L 21/20
(11) EP2769403
(21) EP12775025.5
(47) 08.01.2020
(87) EP2012070791
25.04.2013
(22) 19.10.2012
(54) IMPROVED BIOMARKERS AND USE THEREOF
(73) Nexdot
(72) LEWINER, Jacques
MAHLER, Benoît
(31) 1103184
1103185
201261651795 P
(32) 19.10.2011
19.10.2011
25.05.2012
(33) France
France
United States of America

(51) B82Y 20/00
B82Y 40/00
C09K 11/02
C09K 11/66
F21V 8/00
H01L 25/075
H01L 33/50
H01L 33/56
H01L 33/62
(11) EP3192846
(21) EP16201099.5
(47) 08.01.2020
(22) 29.11.2016
(54) QUANTUM DOT COMPOSITE MATERIAL AND MANUFACTURING METHOD AND APPLICATION THEREOF
(73) Lextar Electronics Corp.
(72) Wang, Hung-Chia
Zhang, Xue-Jie
Lin, Shin-Ying
Tang, An-Cih
Liu, Ru-Shi
Tsai, Tzong-Liang
Lee, Yu-Chun
Chen, Ching-Yi
Tong, Hung-Chun
(31) 201562260657 P
201662291552 P

201662334502 P
105132612
(32) 30.11.2015
05.02.2016
11.05.2016
07.10.2016
(33) United States of America
United States of America
United States of America
Taiwan, Province of China

(51) B82Y 30/00
B82Y 40/00
B32B 27/00
C09D 5/18
(11) EP3081604
(21) EP16165802.6
(47) 08.01.2020
(22) 18.04.2016
(54) GRAPHENE-BASED SHEETS, METHOD FOR PREPARING SAID SHEETS, COMPOSITE MATERIAL AND USES OF SAID GRAPHENE-BASED SHEETS
(73) Nanesa S.r.l.
Efaistos S.r.l.
(72) BERTOCCHI, Francesco
GIANNINI, Giacomo
MAIONE, Massimiliano
CRISTIANO, Francesco
(31) UB20150181
(32) 16.04.2015
(33) Italy

(51) B82Y 30/00
B82Y 40/00
H01M 4/02
H01M 4/04
H01M 4/66
H01M 4/75
H01M 4/13
H01M 10/0525
C01B 32/174
(11) EP3322010
(21) EP17770534.0
(47) 08.01.2020
(87) KR2017002814
28.09.2017
(22) 15.03.2017
(54) METHOD FOR MANUFACTURING ELECTRODE COLLECTOR FOR SECONDARY BATTERY
(73) LG Chem, Ltd.
(72) BAEK, Joo Yul
OH, Song Taek
CHOI, Young Geun
(31) 20160033535
20170030761
(32) 21.03.2016
10.03.2017
(33) Korea (Republic)
Korea (Republic)

(51) B82Y 30/00
C08K 3/04
C08K 9/08
C09C 1/56
C09D 5/00
C09D 171/02
C09D 7/40
C09D 7/62
(11) EP2831181
(21) EP13714761.7
(47) 08.01.2020
(87) US2013031290
03.10.2013
(22) 14.03.2013
(54) OXIDIZED CARBON BLACKS TREATED WITH POLYETHERAMINES AND COATING COMPOSITIONS COMPRISING SAME
(73) Cabot Corporation
(72) NGUYEN, Lang H.
STEP, Eugene N.
SAWREY, Jeffrey Scott
PRENETA, Joshua B.
SANCHEZ GARCIA, Angelica Maria
(31) 201261616451 P
(32) 28.03.2012
(33) United States of America

(51) B82Y 40/00
B81C 1/00
H01L 21/308
(11) EP2875522
(21) EP13744763.7
(47) 08.01.2020
(87) FR2013051716
23.01.2014
(22) 17.07.2013
(54) METHOD FOR MANUFACTURING A THIN FILM OF ORDERED SILICON NANOPATTERNS
(73) Université de Technologie de Troyes
Université Pierre et Marie Curie (Paris 6)
(72) LERONDEL, Gilles
GROSSO, David
BOISSIERE, Cédric
(31) 1256948
(32) 18.07.2012
(33) France

(51) B82Y 40/00
G11C 11/16
H01F 10/32
H01F 41/30
H01L 29/66
H01L 29/82
H01L 43/08
H01L 43/10
H01L 43/12
(11) EP2673807
(21) EP12744881.9
(47) 08.01.2020
(87) US2012024613
16.08.2012
(22) 10.02.2012
(54) MAGNETIC ELEMENT WITH IMPROVED OUT-OF-PLANE ANISOTROPY FOR SPINTRONIC APPLICATIONS
(73) Headway Technologies, Inc.
(72) JAN, Guenole
TONG, Ru Ying
KULA, Witold
HORNG, Cheng T.
(31) 931866
(32) 11.02.2011
(33) United States of America

(51) C01B 3/04
(11) EP2695851
(21) EP12005747.6
(47) 08.01.2020
(22) 08.08.2012
(54) Hydrogen generation from ammonia borane
(73) ArianeGroup GmbH
(72) Godula-Jopek, Agata
Brandstetter, Armin
Stobinski, Leszek

(51) C01B 7/07
C01B 17/90
C01B 25/234
C07C 51/47
C13K 1/02
C13K 1/04
C13K 13/00
D21C 11/00
B01J 41/04
B01J 41/13
(11) EP3286341
(21) EP16782421.8
(47) 08.01.2020
(87) CA2016050449
27.10.2016
(22) 20.04.2016
(54) METHOD FOR RECOVERING AN ACID FROM ACID/SUGAR SOLUTIONS
(73) Fpinnovations
(72) JEMAA, Naceur
PALEOLOGOU, Michael
MAHMOOD, Talat
(31) 201562150401 P
(32) 21.04.2015
(33) United States of America

(51) C01B 21/06
C01B 35/04
C04B 35/58
C22C 1/05
C22C 27/04
C22C 29/06
C22C 29/14
C22C 33/02
C22C 38/12
C22C 38/18
C22C 38/22
C22C 38/32
G21C 11/02
G21F 1/06
G21F 1/08
G21F 3/04
(11) EP3401413
(21) EP17170735.9
(47) 08.01.2020
(22) 11.05.2017
(54) AN IRON TUNGSTEN BOROCARBIDE BODY FOR NUCLEAR SHIELDING APPLICATIONS
(73) Hyperion Materials & Technologies (Sweden) AB
(72) Marshall, Jessica

(51) C01B 33/02
H01M 4/36
H01M 4/38
H01M 4/587
H01M 10/0525
C01B 32/05
(11) EP3251160
(21) EP16702383.7
(47) 08.01.2020
(87) EP2016051680

04.08.2016
(22) 27.01.2016
(54) LITHIATED SILICON/CARBON COMPOSITE MATERIALS AND METHOD FOR PRODUCING THE SAME
(73) Albemarle Germany GmbH
(72) WIETELMANN, Ulrich
EMMEL, Ute
KRÄMER, Gerd
KURTH, Christopher
SCHERER, Stefan
BUHRMESTER, Thorsten
(31) 102015201461
(32) 28.01.2015
(33) Germany

(51) C01B 39/48
(11) EP3297952
(21) EP16718947.1
(47) 08.01.2020
(87) US2016027437
24.11.2016
(22) 14.04.2016
(54) MOLECULAR SIEVE SSZ-27 AND SYNTHESIS THEREOF
(73) Chevron U.S.A. Inc.
(72) ZONES, Stacey Ian
XIE, Dan
SAXTON, Robert James
(31) 201514719051
201514719059
(32) 21.05.2015
21.05.2015
(33) United States of America
United States of America

(51) C01D 5/00
C05D 1/00
C05D 1/02
C05G 3/00
(11) EP3201158
(21) EP15795107.0
(47) 08.01.2020
(87) DE2015000476
07.04.2016
(22) 30.09.2015
(54) METHOD FOR THE PRODUCTION OF SULPHATE OF POTASH GRANULATES, SULPHATE OF POTASH GRANULATE OBTAINED THEREBY, AND USE THEREOF
(73) K+S Minerals and Agriculture GmbH
(72) BAUCKE, Guido
MÜLLER-GOLDKUHLE, Marcel
DIETRICH, Armin
REST, Torsten
KEIDEL, Roland
WALDMANN, Ludger
(31) 102014014099
(32) 30.09.2014
(33) Germany

(51) C01D 7/00
C01D 7/24
C01D 7/40
(11) EP3013751
(21) EP14758095.5
(47) 08.01.2020
(87) EP2014063559
31.12.2014
(22) 26.06.2014
(54) METHOD FOR PREPARING PARTICLES OF ALKALI METAL BICARBONATE
(73) Solvay SA
(72) SAVARY, David Jean Lucien
(31) 1356160
(32) 26.06.2013
(33) France

(51) C01F 7/14
C01F 7/34
(11) EP3154908
(21) EP15727663.5
(47) 08.01.2020
(87) EP2015062829
17.12.2015
(22) 09.06.2015
(54) METHOD FOR PREPARING GEL WITH HIGH DISPERSIBILITY
(73) IFP Energies nouvelles
(72) BOUALLEG, Malika
BOUVRY, Céline
EUZEN, Patrick
(31) 1455421
(32) 13.06.2014
(33) France

(51) C01F 11/18
C08K 3/26
C08K 9/04
C09C 1/02
C09C 3/04
C09C 3/08
D21H 17/67
D21H 19/38
C09D 7/40
C09D 7/62
(11) EP3131975
(21) EP15715296.8
(47) 08.01.2020
(87) EP2015058141
22.10.2015
(22) 15.04.2015
(54) REDUCED MOISTURE PICKUP IN POLYOL-CONTAINING MINERAL FILLER PRODUCTS
(73) Omya International AG
(72) RENTSCH, Samuel
IPPOLITO, Fabio
WELKER, Matthias
GANE, Patrick A. C.
(31) 14164989
201462042871 P
(32) 16.04.2014
28.08.2014
(33) European Patent Office (EPO)
United States of America

(51) C02F 1/00
C02F 1/467
C02F 103/42
E04H 4/12
G01P 15/00
G06F 3/0346
(11) EP3529210
(21) EP17809413.2
(47) 08.01.2020
(87) US2017061706
24.05.2018
(22) 15.11.2017
(54) SYSTEMS AND METHODS OF PROPERLY ORIENTING POOL EQUIPMENT
(73) Zodiac Pool Systems LLC
(72) DELOCHE, Remi
MICHELON, Thierry
HENG, Hwa
BAUCKMAN, Mark
LO, Ricky
(31) 201662422100 P
(32) 15.11.2016
(33) United States of America

(51) C02F 1/28
C02F 1/78
(11) EP3157873
(21) EP15728907.5
(47) 08.01.2020
(87) EP2015063669
23.12.2015
(22) 18.06.2015
(54) METHOD FOR WATER TREATMENT BY ADSORPTION AND FILTRATION ON A GRANULAR MATERIAL BED
(73) Veolia Water Solutions & Technologies Support
(72) GAID, Abdelkader
SAUVIGNET, Philippe
(31) 1455618
(32) 18.06.2014
(33) France

(51) C02F 1/46
C02F 1/461
(11) EP2735547
(21) EP13290289.1
(47) 08.01.2020
(22) 20.11.2013
(54) NOVEL METHOD FOR PRODUCING WATER WITH REDUCED SCALE CONTENT AND DEVICE FOR IMPLEMENTING SAME
(73) Société de Distribution Gaz et Eaux
(72) Danel, Olivier
Fromentin, Régis
(31) 1203122
(32) 21.11.2012
(33) France

(51) C02F 3/10
C02F 3/12
C02F 3/30
C02F 11/04
C02F 101/16
(11) EP3197838
(21) EP15771911.3
(47) 08.01.2020
(87) EP2015072008
31.03.2016
(22) 24.09.2015
(54) ANAMMOX PROCESS AT WASTE WATER PLANT
(73) Veolia Water Solutions & Technologies Support
(72) CHRISTENSSON, Magnus
WELANDER, Thomas
PICULELL, Maria
(31) 1451128
(32) 24.09.2014
(33) Sweden

(51) C02F 11/08

C02F 101/36
C02F 103/36
(11) EP2911985
(21) EP13779196.8
(47) 08.01.2020
(87) EP2013071530
01.05.2014
(22) 15.10.2013
(54) DECONTAMINATION BY HYDROTHERMAL CARBONIZATION OF CONTAMINATED MATERIAL
(73) Eco-Research Srl-GmbH
(72) TIRLER, Werner
PALMITANO, Marco
BASSO, Albino
(31) BZ20120036
(32) 25.10.2012
(33) Italy

(51) C02F 11/18
(11) EP3212582
(21) EP15788018.8
(47) 08.01.2020
(87) EP2015075267
06.05.2016
(22) 30.10.2015
(54) PROCESS AND PLANT FOR THERMAL HYDROLYSIS OF SLUDGE
(73) Veolia Water Solutions & Technologies Support
(72) CHAUZY, Julien
DJAFER, Malik
CRAMPON, Cédric
(31) 1460500
(32) 31.10.2014
(33) France

(51) C03B 5/225
(11) EP3152169
(21) EP15728984.4
(47) 08.01.2020
(87) US2015032549
10.12.2015
(22) 27.05.2015
(54) PROCESS AND APPARATUS FOR REFINING MOLTEN GLASS
(73) Owens-Brockway Glass Container INC.
(72) GULLINKALA, Tilak
SUNDARARAJAN, Desikan
CLARK, Terence, J.
MASTEK, Witold
(31) 201414298422
(32) 06.06.2014
(33) United States of America

(51) C03B 5/235
C04B 7/32
C04B 7/44
(11) EP3250535
(21) EP16701664.1
(47) 08.01.2020
(87) EP2016051731
04.08.2016
(22) 27.01.2016
(54) PROCESS FOR THE PREPARATION OF HIGH ALUMINA CEMENT
(73) Knauf Insulation
(72) DEMOTT, Gerard
MAROLT, Bostjan
DUCARME, David
(31) 201501306
(32) 27.01.2015
(33) United Kingdom

(51) C03B 7/00
G01B 11/00
G01B 11/04
G01N 21/85
G01P 3/36
G01P 3/68
G01P 5/00
(11) EP3265432
(21) EP16710061.9
(47) 08.01.2020
(87) US2016020822
09.09.2016
(22) 04.03.2016
(54) APPARATUS FOR MEASURING GLASS GOBS
(73) Owens-Brockway Glass Container INC.
(72) JOHNSTON, Karl, C.
(31) 201514639240
(32) 05.03.2015
(33) United States of America

(51) C03B 23/025
C03B 23/03
C03B 23/035
C03B 27/04
C03B 27/044
C03B 40/00
C03C 3/07
C03C 4/08
C22C 38/22
(11) EP3056474
(21) EP16163284.9
(47) 08.01.2020
(22) 27.05.2010
(54) METHOD FOR THERMAL PRE-TENSIONING OF RAY-PROOF GLASS
(73) Schott AG
(72) Schillert, Horst
Rössler, Dirk
Mevers, Detlef
(31) 102009024234
102009036164
(32) 28.05.2009
28.07.2009
(33) Germany
Germany

(51) C03C 3/04
H01L 31/048
(11) EP2740160
(21) EP12748620.7
(47) 08.01.2020
(87) US2012049718
07.02.2013
(22) 06.08.2012
(54) PHOTOVOLTAIC MODULE PACKAGE
(73) Corning Incorporated
(72) AITKEN, Bruce Gardiner
KROL, Mark Francis
WEBB, James Ernest
(31) 201161515042 P
(32) 04.08.2011
(33) United States of America

(51) C03C 3/064
C03C 3/066
C03C 8/02
C03C 8/04
C03C 8/18
C03C 8/22
C04B 41/00
C04B 41/51
C04B 41/88
C04B 111/00
H01B 1/22
H05K 1/09
(11) EP1784367
(21) EP05735324.5
(47) 08.01.2020
(87) US2005012743
05.01.2006
(22) 15.04.2005
(54) LEAD-FREE AND CADMIUM-FREE CONDUCTIVE THICK FILM PASTES
(73) FERRO CORPORATION
(72) SRIDHARAN, Srinivasan
BROWN, Orville
(31) 864304
(32) 09.06.2004
(33) United States of America

(51) C03C 3/068
G02B 1/00
G02B 21/06
(11) EP3385233
(21) EP16870230.6
(47) 08.01.2020
(87) JP2016073461
08.06.2017
(22) 09.08.2016
(54) OPTICAL GLASS, OPTICAL ELEMENT USING OPTICAL GLASS, AND OPTICAL DEVICE
(73) Nikon Corporation
(72) KAWASHIMA Tatsunori
YAMAMOTO Hiroshi
YOSHIMOTO Kohei
(31) 2015233763
(32) 30.11.2015
(33) Japan

(51) C03C 3/078
F21V 5/04
G02B 19/00
(11) EP2962998
(21) EP14175891.2
(47) 08.01.2020
(22) 05.07.2014
(54) Lenses and lighting systems for tunnels
(73) Swareflex GmbH
(72) Flir, Anton

(51) C03C 3/16
C03C 8/08
C03C 8/14
C03C 8/24
C04B 41/00
C04B 41/52
C04B 41/89
F16D 69/02
(11) EP3072865
(21) EP16161832.7
(47) 08.01.2020
(22) 23.03.2016
(54) FORMULATIONS FOR OXIDATION PROTECTION OF COMPOSITE ARTICLES
(73) Goodrich Corporation
(72) MAZANY, Anthony M
(31) 201514671637

(32) 27.03.2015
(33) United States of America

(51) C03C 15/00
(11) EP3408240
(21) EP17703610.0
(47) 08.01.2020
(87) US2017015012
03.08.2017
(22) 26.01.2017
(54) METHODS FOR THINNING GLASS
(73) Corning Incorporated
(72) WEBER, Craig Steven
(31) 201662288773 P
(32) 29.01.2016
(33) United States of America

(51) C03C 17/23
C03C 17/36
(11) EP2262744
(21) EP09722103.0
(47) 08.01.2020
(87) EP2009053291
24.09.2009
(22) 20.03.2009
(54) WINDOW COATED WITH THIN LAYERS
(73) AGC Glass Europe
(72) DI STEFANO, Gaëtan
(31) 08102817
(32) 20.03.2008
(33) European Patent Office (EPO)

(51) C03C 17/36
(11) EP2991944
(21) EP14726182.0
(47) 08.01.2020
(87) FR2014051013
06.11.2014
(22) 28.04.2014
(54) SUBSTRATE PROVIDED WITH A STACK HAVING THERMAL PROPERTIES
(73) Saint-Gobain Glass France
(72) GEORGES, Benoît
LAURENT, Stéphane
LORENZZI, Jean-Carlos
(31) 1353972
(32) 30.04.2013
(33) France

(51) C03C 17/36
E06B 9/24
(11) EP3068741
(21) EP14809932.8
(47) 08.01.2020
(87) FR2014052915
21.05.2015
(22) 14.11.2014
(54) GLAZING COMPRISING A SUBSTRATE COATED WITH A STACK COMPRISING A FUNCTIONAL LAYER MADE FROM SILVER AND A THICK BLOCKING UNDERLAYER MADE FROM TIOX
(73) Saint-Gobain Glass France
(72) BROSSARD, Sophie
(31) 1361189
(32) 15.11.2013
(33) France

(51) C03C 17/36
E06B 9/24
(11) EP3068742
(21) EP14821709.4
(47) 08.01.2020
(87) FR2014052921
21.05.2015
(22) 14.11.2014
(54) GLAZING COMPRISING A SUBSTRATE COATED WITH A STACK COMPRISING AT LEAST ONE FUNCTIONAL LAYER MADE FROM ZINC-DOPED SILVER
(73) Saint-Gobain Glass France
(72) BROSSARD, Sophie
(31) 1361201
(32) 15.11.2013
(33) France

(51) C03C 23/00
C08J 7/00
G02B 6/12
(11) EP2819968
(21) EP13705240.3
(47) 08.01.2020
(87) GB2013050300
15.08.2013
(22) 08.02.2013
(54) NOVEL MATERIAL
(73) University of Leeds
(72) JOSE, Gin
FERNANDEZ, Toney Teddy
GRANT, Peter John
JHA, Animesh
SAHA, Sikha
STEENSON, David Paul
(31) 201202128
(32) 08.02.2012
(33) United Kingdom

(51) C03C 27/06
E06B 3/677
(11) EP3337942
(21) EP16836690.4
(47) 08.01.2020
(87) DK2016050280
23.02.2017
(22) 22.08.2016
(54) METHOD FOR PRODUCING A VIG UNIT HAVING IMPROVED TEMPERATURE PROFILE
(73) VKR Holding A/S
(72) SØNDERKÆR, Peter
MIKKELSEN, SEJER, Thomas
(31) 201500488
201500487
(32) 20.08.2015
20.08.2015
(33) Denmark
Denmark

(51) C04B 2/12
F27B 1/02
F27B 1/10
F27D 19/00
F27D 21/00
(11) EP3423769
(21) EP17709032.1
(47) 08.01.2020
(87) EP2017054987
08.09.2017
(22) 03.03.2017
(54) FURNACE AND METHOD FOR OPERATING A FURNACE
(73) Maerz Ofenbau AG
thyssenkrupp AG
(72) PIRINGER, Hannes
BUCHER, Patrick
(31) 102016103937
(32) 04.03.2016
(33) Germany

(51) C04B 5/00
C04B 5/06
C21B 3/04
C21B 3/06
C21C 1/02
C21C 5/36
C22B 5/04
C22B 5/06
C22B 5/10
C22B 5/12
F27B 3/00
F27B 3/06
F27B 3/10
(11) EP3375764
(21) EP18161476.9
(47) 08.01.2020
(22) 13.03.2018
(54) METHOD FOR TREATING METALLURGICAL SLAG
(73) Scholz Austria GmbH
(72) Schmid, Herbert
Panhofer, Harald
Martinelli, Walter
(31) 102017105551
(32) 15.03.2017
(33) Germany

(51) C04B 14/10
C04B 28/02
C09K 8/14
C09K 8/40
C09K 8/487
C09K 8/504
C09K 8/516
(11) EP2480620
(21) EP10760744.2
(47) 08.01.2020
(87) GB2010001806
31.03.2011
(22) 24.09.2010
(54) Method of cementing
(73) Halliburton Energy Services, Inc.
(72) RODDY, Craig, Wayne
COVINGTON, Ricky, L
CHATTERJI, Jiten
BRENNEIS, Darrell, Chad
(31) 567782
(32) 27.09.2009
(33) United States of America

(51) C04B 22/10
C04B 38/02
(11) EP3100993
(21) EP14881311.6
(47) 08.01.2020
(87) ES2014070060
06.08.2015
(22) 28.01.2014
(54) LOW-DENSITY CERAMIC COMPOSITION AND USE OF PRODUCT PRODUCED THEREFROM
(73) Ceilook, SL
(72) PIQUER MARTÍ, Joaquín
VIVONA, Daniel

(51) C04B 24/04

C04B 28/02
(11) EP1981827
(21) EP06831429.3
(47) 08.01.2020
(87) GB2006004826
05.07.2007
(22) 20.12.2006
(54) CEMENT COMPOSITIONS COMPRISING PARTICULATE CARBOXYLATED ELASTOMERS AND ASSOCIATED METHODS
(73) Halliburton Energy Services Inc.
(72) REDDY, B., Raghava
RAVI, Krishna, M.
(31) 321113
321268
(32) 29.12.2005
29.12.2005
(33) United States of America
United States of America

(51) C04B 28/02
C04B 103/10
C04B 103/20
(11) EP2970007
(21) EP14718842.9
(47) 08.01.2020
(87) US2014025631
25.09.2014
(22) 13.03.2014
(54) DRY CEMENT MORTAR WITH PROLONGED OPEN TIME
(73) Hercules LLC
(72) HOHN, Wilfried, Adolf
HUCKO, Stefan
KINDLER, Alexander, Adolphe
NILLES, Vera, Louise
WUNDERLICH, Martin
(31) 201361787219 P
(32) 15.03.2013
(33) United States of America

(51) C04B 35/115
G02B 5/02
H01L 33/48
(11) EP3010051
(21) EP14810788.1
(47) 08.01.2020
(87) JP2014065317
18.12.2014
(22) 10.06.2014
(54) WINDOW MATERIAL FOR ULTRAVIOLET-RAY-EMITTING ELEMENT AND METHOD FOR PRODUCING SAME
(73) NGK Insulators, Ltd.
(72) NOMURA Masaru
OHASHI Tsuneaki
MIYAZAWA Sugio
(31) 2013123466
(32) 12.06.2013
(33) Japan

(51) C04B 35/117
C04B 35/14
C04B 35/56
C04B 35/563
C04B 35/565
C04B 35/571
C04B 35/58
C04B 35/581
C04B 35/583
C04B 35/584
C04B 35/589
C04B 35/626
C04B 35/628
C04B 35/63
C04B 35/634
C04B 35/80
(11) EP2943448
(21) EP14701658.8
(47) 08.01.2020
(87) US2014011218
17.07.2014
(22) 13.01.2014
(54) METHODS OF FORMING CERAMIC MATRIX COMPOSITE STRUCTURES
(73) COI CERAMICS, INC.
(72) SZWEDA, Andrew
JACKSON, Thomas Barrett
(31) 201313741052
(32) 14.01.2013
(33) United States of America

(51) C04B 35/52
C04B 35/80
C04B 35/83
F16D 69/02
(11) EP3473607
(21) EP18198904.7
(47) 08.01.2020
(22) 05.10.2018
(54) METHOD FOR PRODUCING A FRICTION PART MADE OF COMPOSITE MATERIAL
(73) Safran Landing Systems
(72) BRENDER, Patrice
DEMEYER, Floriane
JACQUES, Sylvain
(31) 1759867
(32) 19.10.2017
(33) France

(51) C04B 35/575
(11) EP2841393
(21) EP13720488.9
(47) 08.01.2020
(87) FR2013050814
31.10.2013
(22) 15.04.2013
(54) PRODUCT MADE OF DENSE SILICON CARBIDE
(73) Saint-Gobain Centre De Recherches Et D'etudes Europeen
Centre National de la Recherche Scientifique
(72) ROSSIQUET, Gilles
JORGE, Eric
(31) 1253916
(32) 27.04.2012
(33) France

(51) C04B 35/80
F23M 5/00
F27D 7/02
(11) EP3106752
(21) EP15748689.5
(47) 08.01.2020
(87) JP2015052463
20.08.2015
(22) 29.01.2015
(54) BURNER TILE, BURNER, AND FURNACE
(73) Mitsubishi Chemical Corporation
Chugai Ro Co., Ltd.
(72) FUKUI, Tsuyoshi
SUZUKI, Mitsuo
YAMAMOTO, Shunsuke
OOHASHI, Takeshi
KAWABATA, Kensuke
(31) 2014024487
2015001634
(32) 12.02.2014
07.01.2015
(33) Japan
Japan

(51) C04B 37/02
H01L 23/12
H01L 23/36
H05K 1/05
H05K 7/20
(11) EP3252810
(21) EP16743263.2
(47) 08.01.2020
(87) JP2016051944
04.08.2016
(22) 23.01.2016
(54) CIRCUIT BOARD AND ELECTRONIC DEVICE
(73) Kyocera Corporation
(72) OGAWA, Narutoshi
OCHIAI, Kensou
NIINO, Noritaka
KOORIYAMA, Shinichi
KONAGAI, Masashi
(31) 2015015639
(32) 29.01.2015
(33) Japan

(51) C05B 3/00
C05B 7/00
C05B 19/00
C05F 3/00
C05F 17/00
(11) EP2920131
(21) EP13788722.0
(47) 08.01.2020
(87) EP2013072810
22.05.2014
(22) 31.10.2013
(54) METHOD FOR THE INCREASED PHOSPHOROUS RECOVERY FROM ORGANIC RESIDUES
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) CAMPOS, Alejandra
BILBAO, Jennifer
ZIBEK, Susanne
STOLL, Maria Soledad
EGNER, Siegfried
HIRTH, Thomas
(31) 102012220810
(32) 14.11.2012
(33) Germany

(51) C05C 3/00
C05D 1/00
C05F 11/10
(11) EP3461804
(21) EP18195957.8
(47) 18.12.2019
(22) 21.09.2018

(54) METHOD FOR THE PRODUCTION OF GRANULES CONTAINING DIPEPTIDE
(73) Evonik Operations GmbH
(72) Jakob, Harald
Hasselbach, Hans Joachim
Egly, Dominik
Heßberger, Waldemar
(31) 17194295
(32) 02.10.2017
(33) European Patent Office (EPO)

(51) C05F 5/00
C10L 5/44
C10L 9/08
(11) EP3470386
(21) EP17382674.4
(47) 08.01.2020
(22) 11.10.2017
(54) METHOD FOR TREATING THE BIOMASS OF LIGNOCELLULOSIC AGRICULTURAL WASTE AND/OR WASTE CONTAINING PHENOLIC FUNCTIONAL GROUPS
(73) Energies Tèrmiques Bàsiques, SL
(72) ALIER URIACH, Santiago

(51) C05F 9/04
C05F 17/00
(11) EP2647614
(21) EP12002508.5
(47) 08.01.2020
(22) 05.04.2012
(54) Method for preparing activated plant complexes and plant/organic matter complexes that are doped or overdoped, carbonated, and the uses thereof in particular in anaerobic digestion or biogas production
(73) Mezy, Marcel Léon
(72) Mezy, Marcel Léon

(51) C07B 57/00
C07C 67/313
C07C 67/343
C07C 67/52
C07C 69/74
C07D 327/10
(11) EP3315497
(21) EP16817820.0
(47) 08.01.2020
(87) JP2016068748
05.01.2017
(22) 24.06.2016
(54) METHOD FOR PRODUCING FLUORINE-CONTAINING CYCLOPROPANE CARBOXYLIC ACID COMPOUND
(73) Central Glass Company, Limited
(72) KASHIWABA, Takashi
YAMAZAKI, Takako
ISHII, Shoko
MIMURA, Shunsuke
FUSHIMI, Masanori
OKAMOTO, Ryuichi
KOBAYASHI, Haruki
YASUMOTO, Manabu
(31) 2015129628
(32) 29.06.2015
(33) Japan

(51) C07C 1/24
C07C 15/46
C07C 37/08
C07C 39/04
C07C 45/53
C07C 49/08
(11) EP2580181
(21) EP11792928.1
(47) 08.01.2020
(87) US2011039068
15.12.2011
(22) 03.06.2011
(54) METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE
(73) AdvanSix Resins & Chemicals LLC
(72) KEENAN, Scott R.
HAGANS, Michael K.
(31) 797321
(32) 09.06.2010
(33) United States of America

(51) C07C 2/12
C07C 11/02
C10G 11/18
C10G 50/00
C10G 57/02
C10L 1/08
(11) EP2917310
(21) EP13853192.6
(47) 08.01.2020
(87) US2013069139
15.05.2014
(22) 08.11.2013
(54) PROCESS FOR MAKING DIESEL BY OLIGOMERIZATION
(73) UOP LLC
(72) NICHOLAS, Christopher P.
KRUPA, Steven L.
VANDEN BUSSCHE, Kurt M.
KRUSE, Todd M.
(31) 201261725267 P
(32) 12.11.2012
(33) United States of America

(51) C07C 6/04
C07C 6/06
C07C 21/04
C07C 21/14
C07C 21/19
C07C 22/00
C07C 25/28
C07C 43/12
C07C 43/192
C07C 43/225
C07D 209/10
C07D 209/48
C07D 333/54
C07F 5/02
C07F 7/18
C07F 11/00
(11) EP3215516
(21) EP15801019.9
(47) 08.01.2020
(87) US2015059286
12.05.2016
(22) 05.11.2015
(54) METATHESIS CATALYSTS AND METHODS THEREOF
(73) Massachusetts Institute Of Technology
Trustees of Boston College
(72) HOVEYDA, Amir H.
ZHANG, Hanmo
KOH, Ming Joo
SCHROCK, Richard Royce
(31) 201462075315 P
(32) 05.11.2014
(33) United States of America

(51) C07C 11/21
C07C 29/147
C07C 33/02
C07C 45/29
C07C 47/21
C07C 49/743
C07C 67/08
C07C 67/30
C07C 67/343
C07C 67/39
C07C 69/40
C07C 69/602
C07C 403/24
C07F 9/113
C07F 9/655
(11) EP1879902
(21) EP06751932.2
(47) 08.01.2020
(87) US2006016487
09.11.2006
(22) 01.05.2006
(54) COMPOSITION COMPRISING ONE OR MORE LYCOPHYLL DERIVATIVES
(73) Cardax Pharma, Inc.
(72) LOCKWOOD, Samuel, F.
NADOLSKI, Geoff
BURDICK, David
TANG, Peng Cho
JACKSON, Henry, L.
FANG, Zhiqiang
DU, Yishu
YANG, Min
GEISS, William
WILLIAMS, Richard
(31) 675957 P
691518 P
692682 P
699653 P
702380 P
712350 P
(32) 29.04.2005
17.06.2005
21.06.2005
15.07.2005
26.07.2005
30.08.2005
(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) C07C 17/20
C07C 17/25
C07C 17/42
C07C 21/18
(11) EP2630107
(21) EP10807352.9
(47) 08.01.2020
(87) IB2010003030
26.04.2012
(22) 22.10.2010
(54) PROCESS FOR THE MANUFACTURE OF 2-CHLORO-3,3,3-TRIFLUROPROPENE

BY GAS PHASE FLUORINATION OF PENTACHLOROPROPANE
(73) Arkema France
(72) BONNET, Philippe
PIGAMO, Anne
WENDLINGER, Laurent
DOUCET, Nicolas
(51) C07C 17/21
C07C 17/23
C07C 17/357
C07C 19/08
C07C 21/20
(11) EP3440040
(21) EP17717778.9
(47) 08.01.2020
(87) FR2017050635
12.10.2017
(22) 20.03.2017
(54) METHOD FOR THE PREPARATION OF HEXAFLUOROBUTADIENE
(73) Arkema France
(72) SCHMIDT, Grégory
TEISSIER, Rémy
(31) 1652921
(32) 04.04.2016
(33) France
(51) C07C 17/25
C07C 17/354
C07C 17/383
C07C 21/18
(11) EP3309138
(21) EP15894551.9
(47) 08.01.2020
(87) CN2015000654
15.12.2016
(22) 21.09.2015
(54) METHOD FOR CO-PRODUCTION OF 2,3,3,3-TETRAFLUOROPROPYLENE AND 1,3,3,3-TETRAFLUOROPROPYLENE
(73) Zhejiang Quzhou Juxin Fluorine Chemical Co., Ltd.
Zhejiang Quhua Fluor-Chemistry Co., Ltd.
(72) LEI, Jun
WANG, Aiguo
YANG, Bo
ZHANG, Yan
ZHOU, Huadong
ZHAO, Yang
LIU, Guoan
ZHU, Yi
SU, Gang
(31) 201510321156
(32) 11.06.2015
(33) China
(51) C07C 21/18
C09K 5/04
C10M 171/00
(11) EP3040326
(21) EP15760361.4
(47) 08.01.2020
(87) JP2015072669
31.03.2016
(22) 10.08.2015
(54) HALOOLEFIN-BASED COMPOSITION
(73) Daikin Industries, Ltd.
(72) TAKAHASHI, Kazuhiro
TSUCHIYA, Tatsumi
YAMADA, Yasufu
(31) 2014196449
(32) 26.09.2014
(33) Japan
(51) C07C 31/34
C08G 18/16
C08G 18/18
C08G 18/24
C08G 18/28
C08G 18/40
C08G 18/76
C08G 65/08
C08G 77/04
C08G 101/00
C08J 9/00
C08J 9/14
(11) EP2831130
(21) EP12873125.4
(47) 08.01.2020
(87) CN2012073339
03.10.2013
(22) 30.03.2012
(54) POLYURETHANE FOAM PRODUCTION PROCESS, PRE-MIX, FORMULATION, AND PRODUCT
(73) Evonik Operations GmbH
(72) BURDENIUC, Juan Jesus
LENG, Boxun
PANITZSCH, Torsten
WENDEL, Stephan, Hermann
KELLER, Renee Jo
(51) C07C 37/055
C07C 39/367
C07C 41/16
C07C 41/26
C07C 41/40
C07C 43/196
C07C 43/225
C07C 303/28
C07C 309/73
(11) EP3055281
(21) EP14852607.2
(47) 08.01.2020
(87) CN2014000898
16.04.2015
(22) 11.10.2014
(54) PREPARATION OF HYDROXY-BENZYLBENZENE DERIVATIVES
(73) Theracos Sub, LLC
(72) ROBERGE, Jacques
VAXELAIRE, Carine
LIU, Baohu
XU, Ge
ZHANG, Jian
TANG, Xinxing
XU, Baihua
(31) PCT/CN2013/001227
(32) 12.10.2013
(33) World Intellectual Property Office (WIPO)
(51) C07C 37/18
C07C 41/09
C07C 43/178
C07F 5/02
C07F 7/00
(11) EP3286161
(21) EP16718961.2
(47) 08.01.2020
(87) US2016028109
27.10.2016
(22) 18.04.2016
(54) METHODS FOR PREPARING BRIDGED BI-AROMATIC LIGANDS
(73) Univation Technologies, LLC
(72) FALER, Catherine Anne
RAMIREZ, Kevin P.
(31) 201562150117 P
(32) 20.04.2015
(33) United States of America
(51) C07C 45/50
C07C 45/61
C07C 45/65
C07C 45/80
C07C 45/82
C07C 45/83
C07C 67/44
(11) EP3063117
(21) EP14778025.8
(47) 08.01.2020
(87) US2014056268
07.05.2015
(22) 18.09.2014
(54) PROCESS FOR PREPARING METHYL METHACRYLATE
(73) Rohm and Haas Company
(72) HOY IV, Stacy W.
KRAPTCHETOV, Dmitri A.
SILVANO, Mark A.
(31) 201361896378 P
(32) 28.10.2013
(33) United States of America
(51) C07C 45/82
C07C 47/02
(11) EP3214062
(21) EP15854890.9
(47) 08.01.2020
(87) KR2015011651
06.05.2016
(22) 02.11.2015
(54) DISTILLATION METHOD FOR THE SEPARATION OF N-BUTANAL AND ISO-BUTANAL
(73) LG Chem, Ltd.
(72) LEE, Sung Kyu
SHIN, Joon Ho
(31) 20140150416
(32) 31.10.2014
(33) Korea (Republic)
(51) C07C 67/347
(11) EP2076484
(21) EP07854072.1
(47) 08.01.2020
(87) US2007081427
17.04.2008
(22) 15.10.2007
(54) SYNTHESIS OF TERMINAL ALKENES FROM INTERNAL ALKENES VIA OLEFIN METATHESIS
(73) Elevance Renewable Sciences, Inc.
Schrodi, Yann
Pederson, Richard L.
Kaido, Hiroki
Tupy, Michael J.
(72) SCHRODI, Yann
PEDERSON, Richard L.
KAIDO, Hiroki
TUPY, Michael J.

(31) 851693 P
(32) 13.10.2006
(33) United States of America

(51) C07C 209/16
C07C 209/52
C07C 211/42
C07C 251/20
(11) EP3247697
(21) EP16701340.8
(47) 08.01.2020
(87) EP2016051356
28.07.2016
(22) 22.01.2016
(54) PROCESS FOR THE RACEMIZATION OF ENANTIOMERICALLY ENRICHED 1-AMINOINDANE
(73) Farma GRS, d.o.o.
(72) RUZIC, Milos
KRALJ, David
KLOBCAR, Andrej
PRUDIC, Darja
PLEVNIK, Miha
PECAVAR, Anica
PLAPER, Igor
PUCELJ, Joze
(31) 201500008
(32) 22.01.2015
(33) Slovenia

(51) C07C 211/54
C07C 211/56
H01L 51/52
H01L 51/54
(11) EP2909872
(21) EP13777089.7
(47) 08.01.2020
(87) EP2013071742
24.04.2014
(22) 17.10.2013
(54) PHOSPHORESCENT OLED AND HOLE TRANSPORTING MATERIALS FOR PHOSPHORESCENT OLEDS
(73) Novaled GmbH
(72) ZÖLLNER, Mike
WUTKE, Jens
BURKHARDT, Martin
(31) 12188828
(32) 17.10.2012
(33) European Patent Office (EPO)

(51) C07C 253/30
C07C 255/57
C07D 251/24
G03C 7/02
G03F 7/00
G11B 7/245
G11B 7/24044
(11) EP3313826
(21) EP16730415.3
(47) 08.01.2020
(87) EP2016064305
29.12.2016
(22) 21.06.2016
(54) SUBSTITUTED TRIAZINES AND A METHOD FOR THEIR PREPARATION
(73) Covestro Deutschland AG
(72) RÖLLE, Thomas
KAWAMURA, Koichi
CHIOVETTA, Giuseppe
(31) 15173235
(32) 23.06.2015
(33) European Patent Office (EPO)

(51) C07C 277/08
C07C 279/24
(11) EP3124470
(21) EP15769421.7
(47) 08.01.2020
(87) JP2015058672
01.10.2015
(22) 23.03.2015
(54) METHOD FOR PRODUCING TRI-CARBOBENZOXY-ARGININE
(73) Kaneka Corporation
(72) MACHIDA, Koji
MORI, Kohei
KISHIMOTO, Narumi
TAKEDA, Toshihiro
(31) 2014068838
(32) 28.03.2014
(33) Japan

(51) C07C 315/00
C07C 315/04
C07C 317/24
C07C 317/28
(11) EP3378850
(21) EP18168969.6
(47) 08.01.2020
(22) 20.02.2013
(54) PROCESSES FOR THE PREPARATION OF (S)-1-(3-ETHOXY-4METHOXYPHENYL)-2-METHANESULFONYLETHYLAMINE
(73) Celgene Corporation
(72) VENKATESWARALU, Jasti
RAJENDIRAN, Chinnapillai
REDDY, Nallamaddi Ravikumar
CONNOLLY, Terrence Joseph
RUCHELMAN, Alexander L.
ECKERT, Jeffrey
FRANK, Anthony Joseph
(31) 201261601226 P
(32) 21.02.2012
(33) United States of America

(51) C07D 241/12
C07D 401/12
C07D 417/14
(11) EP3356342
(21) EP16774688.2
(47) 08.01.2020
(87) EP2016073414
06.04.2017
(22) 30.09.2016
(54) PROCESS AND INTERMEDIATES FOR THE PREPARATION OF BENZO[B]THIOPHENE COMPOUNDS
(73) Crystal Pharma, S.A.U.
(72) PÉREZ ENCABO, Alfonso
TURIEL HERNANDEZ, José Angel
FERNÁNDEZ SAINZ, Yolanda
LORENTE BONDE-LARSEN, Antonio
(31) 15382479
(32) 02.10.2015
(33) European Patent Office (EPO)

(51) C07D 303/08
(11) EP2900647
(21) EP12790975.2
(47) 08.01.2020
(87) IT2012000300
03.04.2014
(22) 28.09.2012
(54) CONTINUOUS PROCESS FOR PRODUCING EPICHLOROHYDRIN FROM DICHLOROHYDRINS
(73) Conser S.P.A.
(72) SIMOLA, Flavio
IOSCO, Michele

(51) C07D 307/33
(11) EP3204366
(21) EP15801505.7
(47) 08.01.2020
(87) IN2015050130
14.04.2016
(22) 08.10.2015
(54) A PROCESS FOR THE PREPARATION OF GAMMA-VALEROLACTONE BY CATALYTIC HYDROGENATION OF LEVULINIC ACID USING RU-BASED CATALYSTS
(73) Council of Scientific and Industrial Research
(72) SRINIVASAN, Kannan
GUNDEKARI, Sreedhar
(31) 2866DE2014
(32) 08.10.2014
(33) India

(51) C07D 307/68
(11) EP3325460
(21) EP16745355.4
(47) 08.01.2020
(87) US2016043325
02.02.2017
(22) 21.07.2016
(54) REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
(73) DuPont Industrial Biosciences USA, LLC
(72) METKAR, Pranit S.
SENGUPTA, Sourav Kumar
(31) 201562196812 P
(32) 24.07.2015
(33) United States of America

(51) C07D 307/80
C09K 19/12
C09K 19/30
C09K 19/34
C09K 19/56
G02F 1/1337
G02F 1/1343
G02F 1/1368
(11) EP3228680
(21) EP16196728.6
(47) 08.01.2020
(22) 01.11.2016
(54) LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY DEVICE INCLUDING THE SAME
(73) Samsung Display Co., Ltd.
(72) BAE, Ji Hong
OH, Keun Chan
LEE, Seul Gee
(31) 20160043216
20160097115
(32) 08.04.2016
29.07.2016
(33) Korea (Republic)
Korea (Republic)

(51) C07D 331/02

C08L 81/02
G02B 1/04
(11) EP2899188
(21) EP13838633.9
(47) 08.01.2020
(87) KR2013008549
27.03.2014
(22) 24.09.2013
(54) METHOD FOR STORING EPISULFIDE COMPOUND AND METHOD FOR PREPARING THIOEPOXY-BASED OPTICAL MATERIAL USING SAID EPISULFIDE COMPOUND
(73) KOC Solution Co., Ltd.
(72) JANG, Dong Gyu
ROH, Soo Gyun
KIM, Jong Hyo
SO, Bong Keun
SEO, Jin Moo
(31) 20120105853
(32) 24.09.2012
(33) Korea (Republic)

(51) C07D 401/00
C07D 403/00
(11) EP3036227
(21) EP14838336.7
(47) 08.01.2020
(87) US2014052146
26.02.2015
(22) 21.08.2014
(54) PROCESS FOR PREPARING A COMPOUND
(73) Genentech, Inc.
Array Biopharma Inc.
(72) HAN, Chong
GREEN, Keena
GOSSELIN, Francis
SCALONE, Michelangelo
NICHOLS, Paul J.
LIU, Weidong
STENGEL, Peter J.
SHAKYA, Sagar
CRANE, Zackary D.
SPENCER, Keith L.
(31) 201361868933 P
(32) 22.08.2013
(33) United States of America

(51) C07D 401/04
(11) EP3044218
(21) EP14843412.9
(47) 08.01.2020
(87) US2014054987
19.03.2015
(22) 10.09.2014
(54) THERAPEUTICS TARGETING TRUNCATED ADENOMATOUS POLYPOSIS COLI (APC) PROTEINS
(73) Board Of Regents Of the University Of Texas System
(72) DEBRABANDER, Jef
SHAY, Jerry W.
WANG, Wentian
(31) 201361875933 P
201461930754 P
(32) 10.09.2013
23.01.2014
(33) United States of America
United States of America

(51) C07D 401/14
(11) EP3305777
(21) EP15892905.9
(47) 08.01.2020
(87) CN2015079854
01.12.2016
(22) 26.05.2015
(54) METHOD OF PREPARING NILOTINIB
(73) Asymchem Laboratories (Tianjin) Co., Ltd.
Asymchem Life Science (Tianjin) Co., Ltd
Tianjin Asymchem Pharmaceutical Co., Ltd
Asymchem Laboratories (Fuxin) Co., Ltd
Jilin Asymchem Laboratories Co., Ltd
(72) HONG, Hao
JAMES, Gage
LI, Jiuyuan
LI, Changfeng
HUANG, Gaochao

(51) C07D 405/04
C07D 405/14
C07D 409/04
C07D 409/14
C07D 495/04
C09K 11/06
H01L 51/50
(11) EP3423543
(21) EP17703028.5
(47) 08.01.2020
(87) EP2017000155
08.09.2017
(22) 06.02.2017
(54) MATERIALS FOR ORGANIC ELECTROLUMINESCENCE DEVICES
(73) Merck Patent GmbH
(72) PARHAM, Amir, Hossain
EBERLE, Thomas
JATSCH, Anja
GROSSMANN, Tobias
KROEBER, Jonas, Valentin
MONTENEGRO, Elvira
JOOSTEN, Dominik
WERN, Caroline
(31) 16158460
16159829
(32) 03.03.2016
11.03.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) C07D 487/08
C07F 15/02
C08G 18/18
C08G 18/22
(11) EP2857427
(21) EP13797206.3
(47) 08.01.2020
(87) JP2013065250
05.12.2013
(22) 31.05.2013
(54) CATALYST COMPOSITION FOR POLYURETHANE RESIN PRODUCTION AND METHOD FOR PRODUCING POLYURETHANE RESIN USING SAME
(73) Tosoh Corporation
(72) MAEHAMA, Seiji
(31) 2012124777
(32) 31.05.2012
(33) Japan

(51) C07D 493/04
C08G 63/68
(11) EP2928895
(21) EP13815073.5
(47) 08.01.2020
(87) FR2013052974
12.06.2014
(22) 06.12.2013
(54) DERIVATIVES OF DIANHYDROHEXITOL AND THEIR USE AS CROSSLINKABLE COMPOSITIONS
(73) Roquette Frères
Centre National de la Recherche Scientifique (CNRS)
UNIVERSITE DE MONTPELLIER
Ecole Nationale Superieure De Chimie Montpellier (ENSC)
(72) IBERT, Mathias
BUFFE, Clothilde
SAINT-LOUP, René
FERTIER, Laurent
ROBIN, Jean-Jacques
GIANI, Olivia
JOLY-DUHAMEL, Christine
(31) 1261725
(32) 06.12.2012
(33) France

(51) C07D 495/04
H01L 27/146
H01L 51/46
(11) EP3300114
(21) EP16796252.1
(47) 08.01.2020
(87) JP2016062377
24.11.2016
(22) 19.04.2016
(54) IMAGING ELEMENT, MULTILAYER IMAGING ELEMENT AND IMAGING DEVICE
(73) Sony Corporation
(72) UJIIE Yasuharu
MURATA Masaki
KUMAGAI Yuya
MOGI Hideaki
HIRATA Shintarou
(31) 2015101718
2016007706
(32) 19.05.2015
19.01.2016
(33) Japan
Japan

(51) C07F 3/06
C09B 47/00
H01G 9/20
H01L 51/00
(11) EP3080206
(21) EP14812659.2
(47) 08.01.2020
(87) IB2014066581
18.06.2015
(22) 04.12.2014
(54) PORPHYRIN BASED SENSITIZER FOR DYE-SENSITIZED SOLAR CELL
(73) Ecole Polytechnique Federale de Lausanne (EPFL)
(72) YI, Chenyi
GIORDANO, Fabrizio
ZAKEERUDDIN, Shaik Mohammed
GRAETZEL, Michael

(31) 13197269
(32) 13.12.2013
(33) European Patent Office (EPO)

(51) C07F 5/00
C07F 19/00
G01N 33/00
H01L 51/00
(11) EP3283497
(21) EP16720062.5
(47) 08.01.2020
(87) EP2016058587
20.10.2016
(22) 18.04.2016
(54) LN(III) AND GA(III) METALLACROWN COMPLEXES
(73) The Regents of The University of Michigan
Centre National de la Recherche Scientifique (CNRS)
(72) TRIVEDI, Evan R.
PECORARO, Vincent L.
ELISEEVA, Svetlana V.
PETOUD, Stéphane
CHOW, Chun Y.
NGUYEN, Tu Ngoc
LUTTER, Jacob Charles
MARTINIC, Ivana
(31) 201562149047 P
(32) 17.04.2015
(33) United States of America

(51) C07F 7/18
C08K 5/5415
(11) EP3473631
(21) EP17197233.4
(47) 08.01.2020
(22) 19.10.2017
(54) NEW EPOXY-FUNCTIONAL ALKOXYSILANES, METHOD FOR THEIR PREPARATION AND THEIR USE
(73) Evonik Operations GmbH
(72) Rudek, Markus
Witzsche, Susann
Bade, Stefan
Standke, Burkhard
Störger, Reiner

(51) C07F 9/00
C07H 1/00
C07H 7/027
(11) EP3252065
(21) EP16743413.3
(47) 08.01.2020
(87) JP2016052311
04.08.2016
(22) 27.01.2016
(54) CRYSTAL OF AMMONIUM N-ACETYLNEURAMINATE ANHYDRATE, AND PROCESS FOR PRODUCING SAME
(73) Kyowa Hakko Bio Co., Ltd.
(72) FUKUMOTO, Kazunari
(31) 2015014541
(32) 28.01.2015
(33) Japan

(51) C07G 1/00
C08H 7/00
C10L 9/08
(11) EP3053929
(21) EP16397502.2
(47) 08.01.2020
(22) 05.02.2016
(54) METHOD FOR TREATING LIGNIN-BASED MATERIAL
(73) Valmet Technologies Oy
(72) Hilli, Tuomo
Tynjälä, Pekka
Romar, Henrik
(31) 20155081
(32) 06.02.2015
(33) Finland

(51) C07H 21/04
C12N 9/22
(11) EP3071694
(21) EP14864613.6
(47) 08.01.2020
(87) US2014066375
28.05.2015
(22) 19.11.2014
(54) MUTANT CAS9 PROTEINS
(73) President and Fellows of Harvard College
(72) CHAVEZ, Alejandro
POELWIJK, Franck
CHURCH, George M.
(31) 201361906374 P
(32) 19.11.2013
(33) United States of America

(51) C07H 21/04
C12N 15/82
C12N 15/87
(11) EP2920311
(21) EP13855041.3
(47) 08.01.2020
(87) US2013070184
22.05.2014
(22) 14.11.2013
(54) METHODS AND COMPOSITIONS FOR PROCESSING BIOMASS WITH ELEVATED LEVELS OF STARCH
(73) Agrivida, Inc.
(72) LESSARD, Philip A.
LANAHAN, Michael
SAMOYLOV, Vladimir
BOUGRI, Oleg
EMERY, Jonas
RAAB, R. Michael
ZHANG, Dongcheng
(31) 201261726301 P
201313793078
(32) 14.11.2012
11.03.2013
(33) United States of America
United States of America

(51) C07K 14/135
(11) EP3275892
(21) EP17191721.4
(47) 08.01.2020
(22) 14.05.2012
(54) PRE-FUSION RSV F ANTIGENS
(73) GlaxoSmithKline Biologicals S.A.
(72) SWANSON, Kurt
CARFI, Andrea
(31) 201161486005 P
(32) 13.05.2011
(33) United States of America

(51) C07K 14/16
(11) EP3052518
(21) EP14851250.2
(47) 08.01.2020
(87) US2014059093
09.04.2015
(22) 03.10.2014
(54) STABILIZED HUMAN IMMUNODEFICIENCY VIRUS (HIV) CLADE C ENVELOPE (ENV) TRIMER VACCINES AND METHODS OF USING SAME
(73) Beth Israel Deaconess Medical Center, Inc.
(72) BAROUCH, Dan, H.
BRICAULT, Christine
(31) 201361886932 P
(32) 04.10.2013
(33) United States of America

(51) C07K 14/35
C12N 15/31
C12N 15/63
C12R 1/32
G01N 33/68
(11) EP3029467
(21) EP15202190.3
(47) 08.01.2020
(22) 22.09.2009
(54) MSP NANOPORES AND RELATED METHODS
(73) University of Washington
The UAB Research Foundation
(72) GUNDLACH, Jens, H.
NIEDERWEIS, Michael
BUTLER, Thomas, Z.
PAVLENOK, Mikhail
TROLL, Mark, A.
SUKUMARAN, Suja
(31) 98938 P
(32) 22.09.2008
(33) United States of America

(51) C07K 14/415
C12N 15/82
(11) EP3129394
(21) EP15738237.5
(47) 08.01.2020
(87) DE2015000170
15.10.2015
(22) 10.04.2015
(54) TONOPLAST PROTON/SUGAR ANTIPORTER PROTEINS AND THE USE THEREOF TO INCREASE THE SACCHAROSE CONCENTRATION IN A SACCHAROSE STORAGE ORGAN OF PLANTS
(73) KWS SAAT SE & Co. KGaA
Südzucker AG
(72) KOCH, Wolfgang
SAUER, Norbert
WIRSCHING, Petra
POMMERRENIG, Benjamin
NEUHAUS, Ekkehard
JUNG, Benjamin
FLÜGGE, Ulf-Ingo
LUDEWIG, Frank
WÖSTEFELD, Nicole
MARTEN, Irene
HEDRICH, Rainer
SCHULZ, Alexander
(31) 102014005337
(32) 11.04.2014
(33) Germany

(51) C07K 14/43
(11) EP3110833

(21) EP14732785.2
(47) 08.01.2020
(87) US2014039928
04.12.2014
(22) 29.05.2014
(54) NOVEL METALLOPROTEASES
(73) Danisco US Inc.
(72) BABE, Lilia M.
GHIRNIKAR, Roopa
GOEDEGEBUUR, Frits
GU, Xiaogang
KOLKMAN, Marc
YAO, Jian
(31) PCT/CN2013/076419
PCT/CN2013/076384
PCT/CN2013/076387
PCT/CN2013/076398
PCT/CN2013/076401
PCT/CN2013/076406
PCT/CN2013/076414
PCT/CN2013/076415
(32) 29.05.2013
29.05.2013
29.05.2013
29.05.2013
29.05.2013
29.05.2013
29.05.2013
29.05.2013
(33) World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)

(51) C07K 14/52
C12N 15/62
(11) EP3068797
(21) EP14860292.3
(47) 08.01.2020
(87) US2014064983
14.05.2015
(22) 11.11.2014
(54) CONSTRUCTS FOR MULTI-VALENT TARGETING OF TUMORS
(73) Wake Forest University Health Sciences
(72) DEBINSKI, Waldemar
TOMÉ, Carla Lema
FERLUGA, Sara
SONAWANE, Poonam S.
(31) 201361902568 P
201462036262 P
(32) 11.11.2013
12.08.2014
(33) United States of America
United States of America

(51) C07K 14/705
C07K 16/28
(11) EP2917229
(21) EP13791794.4
(47) 08.01.2020
(87) EP2013073648
15.05.2014
(22) 12.11.2013
(54) ANTIBODIES AND FRAGMENTS THEREOF RAISED AGAINST THE ALPHA-3 DOMAIN OF HLA-G PROTEIN, METHODS AND MEANS FOR THEIR PREPARATION, AND USES THEREOF
(73) Invectys
(72) LOUSTAU, Maria de las Nieves
CAUMARTIN, Julien
LANGLADE-DEMOYEN, Pierre
(31) 12306398
(32) 12.11.2012
(33) European Patent Office (EPO)

(51) C07K 14/705
C12N 15/63
C12N 15/67
C12N 15/85
G01N 33/68
(11) EP3277818
(21) EP16719778.9
(47) 08.01.2020
(87) EP2016057228
06.10.2016
(22) 01.04.2016
(54) USE OF VITAMINS AND VITAMIN METABOLIC GENES AND PROTEINS FOR RECOMBINANT PROTEIN PRODUCTION IN MAMMALIAN CELLS
(73) Selexis S.A.
(72) MERMOD, Nicolas
POURCEL, Lucille
GIROD, Pierre-Alain
LE FOURN, Valérie
(31) 201562142516 P
(32) 03.04.2015
(33) United States of America

(51) C07K 14/725
C07K 16/30
C07K 16/46
(11) EP3066118
(21) EP14805427.3
(47) 08.01.2020
(87) US2014064383
14.05.2015
(22) 06.11.2014
(54) ALK ANTIBODIES, CONJUGATES, AND CHIMERIC ANTIGEN RECEPTORS, AND THEIR USE
(73) The U.S.A. as represented by the Secretary, Department of Health and Human Services
(72) ORENTAS, Rimas
MACKALL, Crystal
(31) 201361900806 P
(32) 06.11.2013
(33) United States of America

(51) C07K 14/765
(11) EP1794591
(21) EP05786827.5
(47) 08.01.2020
(87) US2005028855
23.02.2006
(22) 15.08.2005
(54) PROCESS FOR REMOVING ENDOGENOUS VITAMIN B12 AND FOLATE FROM ALBUMIN PREPARATIONS
(73) Siemens Healthcare Diagnostics Inc.
(72) HUDSON, David, R
VICKERY, Deborah, K
WALTON, Lisa, L
STRAUSS, James
SAUERS, Daniel
(31) 918768
(32) 13.08.2004
(33) United States of America

(51) C07K 16/00
(11) EP2817333
(21) EP13707824.2
(47) 08.01.2020
(87) EP2013053615
29.08.2013
(22) 22.02.2013
(54) ASYMMETRIC, MODIFIED IGG4 BISPECIFIC ANTIBODIES
(73) UCB Biopharma SRL
(72) HUMPHREYS, David Paul
PETERS, Shirley Jane
(31) 201203071
(32) 22.02.2012
(33) United Kingdom

(51) C07K 16/18
G01N 33/58
G01N 33/72
(11) EP3301452
(21) EP17201427.6
(47) 08.01.2020
(22) 09.11.2010
(54) MONOCLONAL ANTIBODIES TO HEMOGLOBIN VARIANTS AND COMPOSITIONS COMPRISING THEM
(73) Bio-rad Laboratories, Inc.
(72) WALKER, Roger
JARDIN, Benedicte
(31) 262488 P
941738
(32) 18.11.2009
08.11.2010
(33) United States of America
United States of America

(51) C07K 16/28
C07K 16/46
C12P 21/00
(11) EP2814846
(21) EP13748596.7
(47) 08.01.2020
(87) US2013025953
22.08.2013
(22) 13.02.2013
(54) BISPECIFIC CHIMERIC ANTIGEN RECEPTORS AND THERAPEUTIC USES THEREOF
(73) Seattle Children's Hospital d/b/a Seattle Children's Research Institute
(72) JENSEN, Michael
(31) 201261598216 P
(32) 13.02.2012
(33) United States of America

(51) C07K 16/28
G01N 33/574
G01N 33/82
(11) EP3130605
(21) EP16186634.8
(47) 08.01.2020
(22) 04.11.2011
(54) FOLATE RECEPTOR ALPHA AS A DIAGNOSTIC AND PROGNOSTIC MARKER FOR FOLATE RECEPTOR ALPHA-EXPRESSING CANCERS
(73) Eisai Inc.

(72) O'SHANNESSY, Daniel J.
GRASSO, Luigi
WAN, Shanhong
CHAO, Qimin
SOMERS, Elizabeth Brooke
(31) 410497 P
201161508444 P
(32) 05.11.2010
15.07.2011
(33) United States of America
United States of America

(51) C08B 37/02
(11) EP3215543
(21) EP15798600.1
(47) 08.01.2020
(87) US2015059261
12.05.2016
(22) 05.11.2015
(54) ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
(73) DuPont Industrial Biosciences USA, LLC
(72) NAMBIAR, Rakesh
GUAN, Rong
CHENG, Qiong
DICOSIMO, Robert
PAULLIN, Jayme L.
LIANG, Yuanfeng
POWLEY, Charles R.
BRUN, Yefim
(31) 201462075460 P
(32) 05.11.2014
(33) United States of America

(51) C08F 2/00
C08F 210/06
C08F 210/16
C08L 23/12
C08L 23/14
(11) EP3443035
(21) EP17710569.9
(47) 08.01.2020
(87) EP2017056391
19.10.2017
(22) 17.03.2017
(54) PROPYLENE POLYMER COMPOSITIONS
(73) Basell Poliolefine Italia S.r.l.
(72) MASSARI, Paola
CIARAFONI, Marco
MARTINI, Nicoletta
TARTARI, Davide
PANTALEONI, Roberto
(31) 16165333
(32) 14.04.2016
(33) European Patent Office (EPO)

(51) C08F 2/00
C08L 23/06
C08L 23/12
C08L 23/16
(11) EP3149077
(21) EP15719695.7
(47) 08.01.2020
(87) EP2015059240
03.12.2015
(22) 28.04.2015
(54) ETHYLENE POLYMER COMPOSITION AND USE THEREOF IN POLYOLEFIN COMPOSITIONS
(73) Basell Polyolefine GmbH
(72) CAVALIERI, Claudio
GRAZZI, Michele
PANTALEONI, Roberto
(31) 14170313
(32) 28.05.2014
(33) European Patent Office (EPO)

(51) C08F 2/01
C08F 2/34
C08F 10/02
(11) EP3374404
(21) EP16798929.2
(47) 08.01.2020
(87) US2016061377
18.05.2017
(22) 10.11.2016
(54) ETHYLENE-BASED POLYMERS FORMED BY HIGH PRESSURE FREE RADICAL POLYMERIZATIONS
(73) Dow Global Technologies LLC
(72) BERBEE, Otto J.
FLORES, Joaquin
HOSMAN, Cornelis J F
DANG, Nhi
(31) 15382555
(32) 10.11.2015
(33) European Patent Office (EPO)

(51) C08F 2/01
C08F 2/34
C08F 10/02
(11) EP3374406
(21) EP16801918.0
(47) 08.01.2020
(87) US2016061399
18.05.2017
(22) 10.11.2016
(54) HIGH PRESSURE FREE RADICAL POLYMERIZATIONS
(73) Dow Global Technologies, LLC
(72) BERBEE, Otto J.
FLORES, Joaquin
HOSMAN, Cornelis J F
DANG, Nhi
(31) 15382556
(32) 10.11.2015
(33) European Patent Office (EPO)

(51) C08F 2/18
C08F 2/24
C08F 14/06
C08L 27/06
(11) EP3075750
(21) EP14866523.5
(47) 08.01.2020
(87) KR2014008081
04.06.2015
(22) 29.08.2014
(54) METHOD FOR PREPARING VINYL CHLORIDE-BASED RESIN
(73) Hanwha Chemical Corporation
(72) KO, Jeong Hwan
KANG, Paul
KIM, Ji Won
SIM, Hyung Hoon
(31) 20130146612
(32) 28.11.2013
(33) Korea (Republic)

(51) C08F 4/6592
C08F 210/18
(11) EP3112385
(21) EP16173894.3
(47) 08.01.2020
(22) 29.06.2004
(54) PROCESS FOR THE PRODUCTION OF A POLYMER COMPRISING MONOMERIC UNITS OF ETHYLENE, AN -OLEFIN AND A VINYL NORBORNENE
(73) Arlanxeo Netherlands B.V.
(72) VAN DOREMAELE, Gerardus Henricus Josephus
WINDMULLER, Jozef Hubert Peter
(31) PCT/NL03/00503
(32) 09.07.2003
(33) World Intellectual Property Office (WIPO)

(51) C08F 8/12
C08F 220/58
(11) EP3317314
(21) EP16741201.4
(47) 08.01.2020
(87) US2016040755
05.01.2017
(22) 01.07.2016
(54) POLYMER SUBSTRATES FORMED FROM CARBOXY FUNCTIONAL ACRYLAMIDE
(73) Life Technologies Corporation
Life Technologies AS
(72) FONNUM, Geir
MENCHEN, Steven, M.
GOKMEN, Talha, M.
LUNDBERG, Pontus
THWAR, Prasanna Krishnan
LUI, Alfred
LU, Lily
HINZ, Wolfgang
HUSABOE, Lene
BREIVOLD, Elisabeth
MOLTEBERG, Astrid, Evenroed
LARSEN, Synne
(31) 201562188389 P
(32) 02.07.2015
(33) United States of America

(51) C08F 8/20
C08F 8/22
C08F 114/06
C08K 3/22
(11) EP3024853
(21) EP14828743.6
(47) 08.01.2020
(87) IN2014000490
29.01.2015
(22) 24.07.2014
(54) A PROCESS FOR REDUCTION OF RESIDUAL ACIDITY OF HALOGENATED POLYMER
(73) Reliance Industries Limited
(72) MUNSHI, Pradip
INGLE, Ninad Deepak
KAPADIA, Pradeep Paresh
KADAM, Vijay Shivaji
MATHUR, Ajit Behari
JASRA, Raksh Vir
(31) 2455MU2013
(32) 24.07.2013
(33) India

(51) C08F 8/30
C08J 3/28
C08K 5/00

C08K 5/23
C08K 5/28
C08L 25/06
(11) EP3224312
(21) EP15798428.7
(47) 08.01.2020
(87) EP2015077381
02.06.2016
(22) 23.11.2015
(54) MONO-AZIDE COMPOUND FOR PHOTO-INDUCED CROSS-LINKING POLYMER STRANDS
(73) BASF SE
(72) WU, Chao
BRUNETTI, Fulvio G.
BECKER, Stefan
HEMGESBERG, Maximilian
(31) 14194512
(32) 24.11.2014
(33) European Patent Office (EPO)

(51) C08F 10/00
C08F 10/10
C08F 110/00
C08G 18/62
(11) EP2474563
(21) EP12162484.5
(47) 08.01.2020
(22) 30.11.2007
(54) Polyisobutylene-based polyurethane and polyurea
(73) The University of Akron
(72) Kennedy, Joseph P.
Kwon, Yongmoon
Ummadisetty, Subramanyam
(31) 861802 P
959065 P
(32) 30.11.2006
11.07.2007
(33) United States of America
United States of America

(51) C08F 14/00
C08F 14/24
C08F 212/08
C08F 220/14
C08J 5/18
C08L 27/04
C08L 33/12
C08L 51/00
C09D 127/04
C09D 133/08
(11) EP2848636
(21) EP13796676.8
(47) 08.01.2020
(87) KR2013004886
05.12.2013
(22) 03.06.2013
(54) POLYMER, METHOD FOR PREPARING SAME, AND COMPOSITION AND FILM COMPRISING SAME
(73) LG Chem, Ltd.
(72) YOON, Jeong Ae
KIM, No Ma
KIM, Su Jeong
HWANG, In Ho
(31) 20120059124
(32) 01.06.2012
(33) Korea (Republic)

(51) C08F 210/06
D01F 6/30
B33Y 70/00
(11) EP3445792
(21) EP17710978.2
(47) 08.01.2020
(87) EP2017056515
26.10.2017
(22) 20.03.2017
(54) PROPYLENE TERPOLYMER FOR FILAMENT FOR 3D PRINTER
(73) Basell Poliolefine Italia S.r.l.
(72) DE PALO, Roberto
CAVALIERI, Claudio
(31) 16166590
(32) 22.04.2016
(33) European Patent Office (EPO)

(51) C08F 220/14
C08F 220/18
C08G 18/62
C09J 133/02
C09J 133/06
C09J 133/08
C09J 175/04
(11) EP3227398
(21) EP15805717.4
(47) 08.01.2020
(87) US2015062587
09.06.2016
(22) 25.11.2015
(54) ACRYLIC ADHESIVES HAVING CHEMICAL RESISTANCE
(73) 3M Innovative Properties Company
(72) ZHU, Dong-Wei
ELLIOTT, Peter J.
KETCHAM, Donald B.
MA, Jingjing
TUMEY, Michael L.
(31) 201462086925 P
(32) 03.12.2014
(33) United States of America

(51) C08F 220/18
C08G 18/24
C08G 18/62
C09D 175/04
C09D 7/40
(11) EP3066165
(21) EP14802748.5
(47) 08.01.2020
(87) US2014064000
14.05.2015
(22) 05.11.2014
(54) CATALYST COMPOSITIONS AND METHODS OF PREPARING THEM
(73) PPG Industries Ohio, Inc.
(72) MORAVEK, Scott J.
SCHWARTZMILLER, Davina J.
BARANCYK, Steven V.
FENN, David R.
(31) 201314075204
(32) 08.11.2013
(33) United States of America

(51) C08F 283/00
C08F 290/06
C08G 65/26
C08G 65/333
C08L 33/12
C08L 71/02
C09D 133/12
H01G 9/022
H01M 4/505
H01M 4/525
H01M 4/587
H01M 10/0525
H01M 10/0565
H01G 11/56
(11) EP1466379
(21) EP03700260.7
(47) 08.01.2020
(87) CA2003000052
31.07.2003
(22) 15.01.2003
(54) HIGHLY-STABLE POLYMERIC ELECTROLYTE AND USE THEREOF IN ELECTROCHEMICAL SYSTEMS
(73) HYDRO-QUEBEC
(72) ZAGHIB, Karim
PERRIER, Michel
GUERFI, Abdelbast
DUPUIS, lisabeth
CHAREST, Patrick
ALLAIRE, François
ARMAND, Michel
(31) 2367290
(32) 16.01.2002
(33) Canada

(51) C08F 290/04
C09K 3/10
(11) EP3202796
(21) EP15847116.9
(47) 08.01.2020
(87) JP2015069958
07.04.2016
(22) 10.07.2015
(54) CURABLE RESIN COMPOSITION
(73) Three Bond Co., Ltd.
(72) YAMAMURO, Nao
(31) 2014198112
(32) 29.09.2014
(33) Japan

(51) C08G 18/08
C08G 18/32
C08G 18/42
C08G 18/66
C08G 18/73
C08G 18/75
C08G 18/76
(11) EP3321300
(21) EP17199935.2
(47) 08.01.2020
(22) 03.11.2017
(54) PARTICULATE SOLID COMPOSITE MATERIAL FOR NUCLEIC ACID PURIFICATION COMPRISING MAGNETIC NANOPARTICLES
(73) AXAGARIUS GmbH & Co. KG
(72) Prangenberg, Thomas
Riering, Helmut
(31) 102016121483
(32) 09.11.2016
(33) Germany

(51) C08G 18/18
C08G 18/48
C08G 18/76
C08G 77/46
C08G 101/00
C08L 75/08

C08L 83/12
(11) EP3280753
(21) EP16716796.4
(47) 08.01.2020
(87) US2016026397
13.10.2016
(22) 07.04.2016
(54) COMPOSITION AND PROCESS FOR MAKING FLAME LAMINATED POLYURETHANE FOAMS
(73) Momentive Performance Materials Inc.
(72) LUO, Yilong
TAN, SengKok
HE, MingLiang
HEISLER, Ladislau
DAI, Bright
AUSTIN, Paul Edwin
(31) 201510171297
(32) 10.04.2015
(33) China

(51) C08G 18/22
C08G 18/36
C08G 18/75
C08G 18/76
C08L 75/14
C09D 167/08
C09D 175/14
(11) EP3255075
(21) EP17177658.6
(47) 08.01.2020
(22) 06.03.2014
(54) COBALT BASED URETHANIZED POLYMERS FOR AIR DRYING POLYMERBASED COATINGS, PAINTS AND INKS
(73) Ege Kimya Sanayi ve Ticaret A.S.
(72) CLAUWAERT, Eddy
(31) 201302698
201401323
(32) 06.03.2013
05.02.2014
(33) Turkey
Turkey

(51) C08G 18/32
C08G 18/48
C08G 18/66
C08G 18/73
(11) EP3080182
(21) EP14810081.1
(47) 08.01.2020
(87) US2014066587
18.06.2015
(22) 20.11.2014
(54) HIGHLY RESILIENT THERMOPLASTIC POLYURETHANES
(73) Lubrizol Advanced Materials, Inc.
(72) MARIN, Romina
LU, Qiwei
SANTAMARIA, Jesus
PAGES, Montse
(31) 201361913985 P
(32) 10.12.2013
(33) United States of America

(51) C08G 18/38
C08G 18/79
(11) EP3447078
(21) EP17187505.7
(47) 08.01.2020
(22) 23.08.2017
(54) CHEMICAL DOWEL AND ITS USE
(73) HILTI Aktiengesellschaft
(72) Marauska, Juliane
Thiemann, Frank

(51) C08G 59/44
C08L 63/00
(11) EP2652040
(21) EP11849750.2
(47) 08.01.2020
(87) US2011062185
21.06.2012
(22) 28.11.2011
(54) IMPROVED EPOXY SYSTEMS AND AMINE POLYMER SYSTEMS AND METHODS FOR MAKING THE SAME
(73) Hexion Research Belgium SA
(72) ELMORE, Jim, D.
CORLEY, Larry, Steven
HITE, Jerry, R.
(31) 966616
(32) 13.12.2010
(33) United States of America

(51) C08G 63/189
C08G 63/672
C08L 67/02
(11) EP3031861
(21) EP14834179.5
(47) 08.01.2020
(87) JP2014069766
12.02.2015
(22) 25.07.2014
(54) POLYESTER RESIN COMPOSITION
(73) MITSUBISHI GAS CHEMICAL COMPANY, INC.
(72) HIROKANE, Takeshi
IWASAKI, Atsuko
(31) 2013162022
(32) 05.08.2013
(33) Japan

(51) C08G 63/199
G02B 1/04
(11) EP3351577
(21) EP16846426.1
(47) 08.01.2020
(87) JP2016076867
23.03.2017
(22) 12.09.2016
(54) POLYESTER RESIN
(73) Mitsubishi Gas Chemical Company, Inc.
(72) SATAKE, Yuichiro
YOSHIMURA, Yasuaki
HONDA, Eiichi
MOTOI, Takashi
KITAMURA, Mitsuharu
(31) 2015184687
(32) 18.09.2015
(33) Japan

(51) C08G 65/08
C08K 3/04
C08L 71/02
G01N 30/00
G01R 33/46
C01B 32/05
(11) EP3275937
(21) EP16755695.0
(47) 08.01.2020
(87) JP2016055846
01.09.2016
(22) 26.02.2016
(54) POLYETHER-BASED POLYMER COMPOSITION
(73) Zeon Corporation
(72) HOANG The Ban
OHTA Keisuke
HAYANO Shigetaka
TSUNOGAE Yasuo
(31) 2015038137
(32) 27.02.2015
(33) Japan

(51) C08G 67/02
C08K 5/49
C08L 55/02
C08L 69/00
B29C 48/80
B29C 48/92
(11) EP3342820
(21) EP16851995.7
(47) 08.01.2020
(87) KR2016009173
06.04.2017
(22) 19.08.2016
(54) POLYMERIC COMPOSITION, METHOD FOR PRODUCING POLYMERIC COMPOSITION, ELECTRONIC APPARATUS, AND METHOD FOR MANUFACTURING ELECTRONIC APPARATUS
(73) Samsung Electronics Co., Ltd.
(72) PANG, Kyeong
KWON, Pil Gu
KIM, In
LEE, Hye Jeong
(31) 20150138950
(32) 02.10.2015
(33) Korea (Republic)

(51) C08G 69/34
C08G 69/44
(11) EP2421909
(21) EP10713993.3
(47) 08.01.2020
(87) EP2010055155
28.10.2010
(22) 20.04.2010
(54) FLEXIBLE POLYMER
(73) DSM IP Assets B.V.
(72) NIJENHUIS, Atze Jan
ÖZYÜREK, Zeynep
(31) 09158263
(32) 20.04.2009
(33) European Patent Office (EPO)

(51) C08G 73/10
(11) EP3377557
(21) EP16801842.2
(47) 08.01.2020
(87) IB2016056778
26.05.2017
(22) 10.11.2016
(54) DIANHYDRIDES, POLYIMIDES DERIVED FROM BISCATECOL, METHODS OF MAKING, AND METHODS OF USE
(73) King Abdullah University of Science and Technology
(72) MA, Xiaohua
(31) 201562255550 P

(32) 16.11.2015
(33) United States of America

(51) C08G 73/10
C08G 73/14
C08J 5/18
(11) EP3392295
(21) EP18737488.9
(47) 08.01.2020
(87) KR2018001346
30.08.2018
(22) 31.01.2018
(54) POLYAMIDEIMIDE COPOLYMER AND POLYAMIDEIMIDE FILM CONTAINING SAME
(73) LG Chem, Ltd.
(72) RYU, Bi Oh
PARK, Soon Yong
TAE, Young Ji
PARK, Young Seok
PAEK, Kwan Yeol
(31) 20170024908
(32) 24.02.2017
(33) Korea (Republic)

(51) C08G 77/04
C08L 83/04
G02F 1/13357
H01L 23/29
(11) EP2960295
(21) EP14779012.5
(47) 08.01.2020
(87) KR2014002943
09.10.2014
(22) 04.04.2014
(54) CURABLE COMPOSITION
(73) LG Chem, Ltd.
(72) KO, Min Jin
KIM, Kyung Mi
PARK, Young Ju
(31) 20130037114
(32) 04.04.2013
(33) Korea (Republic)

(51) C08H 7/00
(11) EP2992041
(21) EP13883539.2
(47) 08.01.2020
(87) US2013068824
06.11.2014
(22) 06.11.2013
(54) METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS
(73) Virdia, Inc.
(72) JANSEN, Robert
TRAVISANO, Philip
MADSEN, Lee
MATIS, Neta
PERRY, Rotem
LAWSON, James, Allen
LAPIDOT, Noa
BAUER, Timothy, Allen
HALLAC, Bassem
ZVIELY, Michael
(31) PCT/US2013/039585
201361839780 P
(32) 03.05.2013
26.06.2013
(33) World Intellectual Property Office (WIPO)
United States of America

(51) C08J 3/22
C08J 5/18
C08K 5/12
C08L 67/02
C08L 67/04
(11) EP3452541
(21) EP17719585.6
(47) 08.01.2020
(87) EP2017059847
09.11.2017
(22) 26.04.2017
(54) COMPOSITION FOR POLYESTER HYDROLYTIC STABILIZATION
(73) Clariant Plastics & Coatings Ltd
(72) WARTIG, Karen-Alessa
WEGNER, Jan-Erik
GROESELING, Mirco
WOLF, Juergen
(31) 16168304
(32) 04.05.2016
(33) European Patent Office (EPO)

(51) C08J 5/04
C08L 23/06
C08L 23/08
C08L 23/12
(11) EP3378888
(21) EP17186895.3
(47) 08.01.2020
(22) 18.08.2017
(54) RESIN COMPOSITION FOR RESIN MOLDING, AND RESIN MOLDING
(73) Fuji Xerox Co., Ltd.
(72) MIYAMOTO, Tsuyoshi
MORIYA, Hiroyuki
OKOSHI, Masayuki
(31) 2017058682
(32) 24.03.2017
(33) Japan

(51) C08J 5/24
C08L 79/08
(11) EP2130856
(21) EP08703767.7
(47) 08.01.2020
(87) JP2008050938
09.10.2008
(22) 24.01.2008
(54) FIBER-REINFORCED PREPREG AND COMPOSITE MATERIALS MADE FROM THE SAME
(73) Toho Tenax CO., LTD.
(72) KANEKO, Toru
SANAI, Shusuke
(31) 2007087481
(32) 29.03.2007
(33) Japan

(51) C08J 9/26
C08L 23/08
C08L 23/12
H01M 2/16
(11) EP3323849
(21) EP16824508.2
(47) 08.01.2020
(87) JP2016070743
19.01.2017
(22) 13.07.2016
(54) MICROPOROUS MEMBRANE, BATTERY SEPARATOR, AND BATTERY
(73) Asahi Kasei Kabushiki Kaisha
(72) SEKIGUCHI, Manabu
FUKUNAGA, Yuki
DOHKI, Keita
(31) 2015140389
(32) 14.07.2015
(33) Japan

(51) C08K 3/06
C08K 5/14
(11) EP2922910
(21) EP13801904.7
(47) 08.01.2020
(87) NL2013050844
30.05.2014
(22) 22.11.2013
(54) METHOD OF MANUFACTURING AN ELASTOMERIC PRODUCT WITH A LOW HYSTERESIS
(73) Apollo Vredestein B.V.
(72) REUVEKAMP, Louis-Philippe Antoine Eugène Maria
NIJMAN, Gerard
(31) 2009868
(32) 23.11.2012
(33) Netherlands

(51) C08K 3/22
C08K 5/00
C08L 23/12
C08L 23/20
C08L 53/02
C08L 71/02
C08L 71/12
H01B 3/42
H01B 3/44
H01B 3/46
H01B 7/295
(11) EP3430083
(21) EP17707952.2
(47) 08.01.2020
(87) IB2017050612
21.09.2017
(22) 03.02.2017
(54) FLEXIBLE, UV RESISTANT POLY(PHENYLENE ETHER) COMPOSITION AND INSULATED CONDUCTOR AND JACKETED CABLE COMPRISING IT
(73) SABIC Global Technologies B.V.
(72) PENG, Hui
SHAN, Wei
(31) 201662309478 P
(32) 17.03.2016
(33) United States of America

(51) C08K 3/22
H01M 8/1023
(11) EP3433895
(21) EP17712512.7
(47) 08.01.2020
(87) EP2017056981
28.09.2017
(22) 23.03.2017
(54) METHOD FOR THE PREPARATION OF INORGANIC PARTICLES FUNCTIONALIZED BY PROTON-CONDUCTING BIFUNCTIONAL POLYMERS
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(72) BUVAT, Pierrick
BIGARRÉ, Janick

LABALME, Etienne
(31) 1652570
(32) 24.03.2016
(33) France

(51) C08K 3/34
C08K 3/38
C08K 5/523
C08L 69/00
C08L 83/04
(11) EP3330318
(21) EP17203865.5
(47) 08.01.2020
(22) 27.11.2017
(54) RESIN COMPOSITIONS AND ARTICLES MANUFACTURED USING THE SAME
(73) Lotte Advanced Materials Co., Ltd.
(72) LEE, Jowon
(31) 20160164424
(32) 05.12.2016
(33) Korea (Republic)

(51) C08K 5/00
(11) EP2640776
(21) EP11785654.2
(47) 08.01.2020
(87) EP2011070279
24.05.2012
(22) 16.11.2011
(54) POLYAMIDE COMPOSITIONS WITH IMPROVED THERMO-OXIDATIVE, ANTI-BACTERIAL, LIGHT- OR ENERGY ACTIVE PROPERTIES AND METHOD FOR PRODUCING SAME
(73) Thüringisches Institut Für Textil- Und Kunststoff- Forschung E.V.
(72) STRUBL, Rüdiger
HEINEMANN, Klaus
(31) 102010051310
(32) 16.11.2010
(33) Germany

(51) C08K 5/00
C08K 5/01
C08K 13/08
C08L 91/06
C08L 95/00
(11) EP2357210
(21) EP10808885.7
(47) 08.01.2020
(87) KR2010001985
03.03.2011
(22) 31.03.2010
(54) LOW CARBON ADDITIVE FOR WARM MIX ASPHALT MIXTURE, WARM MIXED ASPHALT PREPARED BY USING SAME, AND PREPARATION METHOD OF WARM MIX ASPHALT MIXTURE
(73) Korea Institute of Construction Technology
(72) JEONG, Kyu Dong
HWANG, Sung Do
KWON, Soo Ahn
YANG, Sung Lin
CHEON, Seung Han
(31) 20090081136
20090081138
(32) 31.08.2009
31.08.2009
(33) Korea (Republic)
Korea (Republic)

(51) C08K 5/00
C08K 5/098
C09D 167/08
C09F 9/00
C09D 11/105
(11) EP3377570
(21) EP16797887.3
(47) 08.01.2020
(87) EP2016077921
26.05.2017
(22) 17.11.2016
(54) COATING COMPOSITION COMPRISING AN AUTOXIDIZABLE ALKYD-BASED RESIN AND A DRIER COMPOSITION
(73) Akzo Nobel Coatings International B.V.
(72) FLAPPER, Jitte
(31) 15195291
(32) 19.11.2015
(33) European Patent Office (EPO)

(51) C08K 5/00
C08K 5/132
C08K 5/3475
C08K 5/3492
C08K 5/357
(11) EP3221393
(21) EP15816922.7
(47) 08.01.2020
(87) US2015061827
26.05.2016
(22) 20.11.2015
(54) STABILIZER COMPOSITIONS AND METHODS FOR USING SAME FOR PROTECTING ORGANIC MATERIALS FROM UV LIGHT AND THERMAL DEGRADATION
(73) Cytec Industries Inc.
(72) ENG, J. Mon Hei
KOZAKIEWICZ, Joseph
GUPTA, Ram B.
CHO, Jian-yang
RYLES, Roderick G.
KHAWAM, Fadi
(31) 201462082580 P
(32) 20.11.2014
(33) United States of America

(51) C08K 5/00
G03F 7/00
G03F 7/09
H01L 51/00
(11) EP2723809
(21) EP12732870.6
(47) 08.01.2020
(87) IB2012001219
27.12.2012
(22) 18.06.2012
(54) AN UNDERLAYER COMPOSITION AND PROCESS THEREOF
(73) Merck Patent GmbH
(72) YAO, Huirong
LIN, Guanyang
BOGUSZ, Zachary
LU, PingHung
KIM, Woo-Kyu
NEISSER, Mark, O.
(31) 201113164869
(32) 21.06.2011
(33) United States of America

(51) C08K 5/098
C08K 5/20
C08L 25/12
C08L 55/02
B33Y 70/00
(11) EP3430080
(21) EP17710744.8
(47) 08.01.2020
(87) EP2017056212
21.09.2017
(22) 16.03.2017
(54) THERMOPLASTIC MOULDING COMPOUND BASED ON VINYLAROMATIC COPOLYMERS FOR 3D PRINTING
(73) INEOS Styrolution Group GmbH
(72) BAUMANN, Stéphanie
EISENTRÄGER, Frank
MEINERS, Josef
NIESSNER, Norbert
SCHMIDT, Hans-Werner
(31) 16160891
(32) 17.03.2016
(33) European Patent Office (EPO)

(51) C08K 5/14
C08L 15/00
C08L 21/00
C08L 83/04
(11) EP3313928
(21) EP16733412.7
(47) 08.01.2020
(87) EP2016064667
29.12.2016
(22) 24.06.2016
(54) CROSSLINKABLE RUBBER COMPOSITION WITH CLEAR FILLER
(73) Schill + Seilacher "Struktol" GmbH
(72) BÖRGER, Volker
BECKER, Dörte
HENSEL, Manfred
(31) 15174187
(32) 26.06.2015
(33) European Patent Office (EPO)

(51) C08K 5/16
C08K 5/49
C08K 5/5313
(11) EP2678388
(21) EP12706456.6
(47) 08.01.2020
(87) EP2012000652
30.08.2012
(22) 14.02.2012
(54) FLAME RETARDANT-STABILISER COMBINATION FOR THERMOPLASTIC POLYMERS
(73) Clariant International Ltd
(72) HÖROLD, Sebastian
BAUER, Harald
(31) 102011011928
(32) 22.02.2011
(33) Germany

(51) C08K 7/20
D01F 1/10
D21F 1/00
(11) EP3359597
(21) EP16731690.0
(47) 08.01.2020
(87) US2016033022
13.04.2017
(22) 18.05.2016

(54) COMPOSITIONS AND METHODS FOR IMPROVED ABRASION RESISTANCE OF POLYMERIC COMPONENTS
(73) Albany International Corp.
(72) AGARWAL, Dhruv
JANDRIS, Louis, Jay
(31) 201562237300 P
(32) 05.10.2015
(33) United States of America

(51) C08L 23/08
(11) EP3211032
(21) EP17157973.3
(47) 08.01.2020
(22) 24.02.2017
(54) THERMOPLASTIC ELASTOMER COMPOSITION
(73) SUMITOMO CHEMICAL COMPANY, LIMITED
(72) KUROKAWA, Ryosuke
(31) 2016036957
2016195455
(32) 29.02.2016
03.10.2016
(33) Japan
Japan

(51) C08L 23/08
C08L 27/12
C09D 123/08
C09D 127/12
(11) EP3218439
(21) EP15791603.2
(47) 08.01.2020
(87) EP2015076024
19.05.2016
(22) 09.11.2015
(54) COATING COMPOSITIONS
(73) Solvay Specialty Polymers Italy S.p.A.
(72) CARELLA, Serena
POLASTRI, Fabio
MENNELLA, Amelia
MAGGI, Giorgio
(31) 14192958
(32) 13.11.2014
(33) European Patent Office (EPO)

(51) C08L 23/12
(11) EP3124537
(21) EP15179222.3
(47) 08.01.2020
(22) 31.07.2015
(54) LOW VOLATILE POLYPROPYLENE COMPOSITION
(73) Borealis AG
(72) Wang, Jingbo
Kniesel, Claudia
Doshev, Petar
Prades, Floran

(51) C08L 27/16
C09D 127/12
C09D 127/16
H01B 3/44
(11) EP3374453
(21) EP16865110.7
(47) 08.01.2020
(87) US2016061587
18.05.2017
(22) 11.11.2016
(54) CABLES COATED WITH FLUOROCOPOLYMER COATINGS
(73) General Cable Technologies Corporation
Arkema Inc.
(72) RANGANATHAN, Sathish, Kumar
SIRIPURAPU, Srinivas
MHETAR, Vijay
ANDERSEN, Ryan, M.
WOOD, Kurt, Arthur
(31) 201562255224 P
(32) 13.11.2015
(33) United States of America

(51) C08L 27/16
C09D 127/16
H01L 41/193
(11) EP3383964
(21) EP16802030.3
(47) 08.01.2020
(87) EP2016078885
08.06.2017
(22) 25.11.2016
(54) FLUOROPOLYMER COMPOSITIONS COMPRISING A COPOLYMER OF VINYLIDENE FLUORIDE AND TRIFLUOROETHYLENE AND A FLUORINATED ELASTOMER
(73) Solvay Specialty Polymers Italy S.p.A.
(72) MARRANI, Alessio
PEDROLI, Francesco
(31) 15197088
(32) 30.11.2015
(33) European Patent Office (EPO)

(51) C08L 69/00
(11) EP3023459
(21) EP15194797.5
(47) 08.01.2020
(22) 16.11.2015
(54) THERMOPLASTIC RESIN COMPOSITION AND MOLDED ARTICLE MADE USING THE SAME
(73) Lotte Advanced Materials Co., Ltd.
(72) KWON, Keehae
KO, Won
LEE, Wonseon
HONG, Chang Min
(31) 20140160794
(32) 18.11.2014
(33) Korea (Republic)

(51) C08L 83/00
C08L 83/04
C09D 175/14
C09D 175/16
B60J 10/00
(11) EP2922718
(21) EP13808251.6
(47) 08.01.2020
(87) JP2013081829
30.05.2014
(22) 20.11.2013
(54) COATING COMPOSITION FOR LUBRICATION FILM
(73) Dow Toray Co., Ltd.
(72) SASAKI, Takahiko
YAMAGUCHI, Tetsuji
(31) 2012256141
(32) 22.11.2012
(33) Japan

(51) C08L 83/06
C09D 183/06
(11) EP3052575
(21) EP14790519.4
(47) 08.01.2020
(87) EP2014070327
09.04.2015
(22) 24.09.2014
(54) SUBSTRATE WITH DESCALING PROPERTIES AND PROCESS FOR OBTAINING SUCH A SUBSTRATE
(73) AGC Glass Europe
(72) DELESTREE, Mathilde
FOURNIER, Cyriane
PEYROUX, Eugnéie
(31) 201300655
(32) 01.10.2013
(33) Belgium

(51) C09D 5/16
C09D 183/12
(11) EP2899240
(21) EP15155335.1
(47) 08.01.2020
(22) 29.06.2012
(54) NOVEL POLYSILOXANE-BASED FOULING RELEASE COATINGS INCLUDING BIOCIDE(S)
(73) Hempel A/S
(72) Olsen, Stefan Møller
Yebra, Diego Meseguer

(51) C09D 9/00
(11) EP3374443
(21) EP17720839.4
(47) 08.01.2020
(87) EP2017060884
16.11.2017
(22) 08.05.2017
(54) A NON-AQUEOUS STRIPPING COMPOSITION AND A METHOD OF STRIPPING AN ORGANIC COATING FROM A SUBSTRATE
(73) Atotech Deutschland GmbH
(72) JOSHI, Nayan H.
(31) 16168983
(32) 10.05.2016
(33) European Patent Office (EPO)

(51) C09D 109/02
C09D 125/08
C09J 163/00
(11) EP3372650
(21) EP16862465.8
(47) 08.01.2020
(87) KR2016012631
11.05.2017
(22) 04.11.2016
(54) TWO LIQUID TYPE EPOXY ADHESIVE COMPOSITION
(73) KCC Corporation
Hyundai Heavy Industries Co., Ltd.
(72) HAN, Sang Hun
KIM, Jae Hyo
ANN, Jee Hye
HAN, Guk Hyun
BAE, Han Jin
PARK, Chung Seo
SONG, Eun Ha
BAEK, Yun Ho
(31) 20150155860
(32) 06.11.2015
(33) Korea (Republic)

(51) C09G 1/02

C23F 3/06
H01L 21/304
H01L 21/321
(11) EP3117450
(21) EP15761791.1
(47) 08.01.2020
(87) US2015018917
17.09.2015
(22) 05.03.2015
(54) COMPOSITIONS AND METHODS FOR CMP OF TUNGSTEN MATERIALS
(73) Cabot Microelectronics Corporation
(72) LIN, Chih-An
CHEN, Zhan
(31) 201461951670 P
(32) 12.03.2014
(33) United States of America

(51) C09J 11/08
C09J 133/04
C09J 151/00
(11) EP3246372
(21) EP15877962.9
(47) 08.01.2020
(87) JP2015082958
21.07.2016
(22) 24.11.2015
(54) EMULSION TYPE ADHESIVE COMPOSITION
(73) Saiden Chemical Industry Co., Ltd.
(72) UMEMIYA, Hirokazu
HAMADA, Takehiko
(31) 2015006968
(32) 16.01.2015
(33) Japan

(51) C09J 133/06
C09J 133/12
G06F 3/041
(11) EP2735943
(21) EP12815066.1
(47) 08.01.2020
(87) KR2012005787
24.01.2013
(22) 19.07.2012
(54) TOUCH PANEL
(73) LG Chem, Ltd.
(72) PARK, Min Soo
YANG, Se Woo
CHANG, Suk Ky
(31) 20110071452
(32) 19.07.2011
(33) Korea (Republic)

(51) C09K 5/04
C10M 101/00
C10M 105/06
C10M 105/38
C10M 107/02
C10M 107/24
F04D 29/02
F04D 29/059
F04D 29/06
F04D 29/063
F16C 33/66
F25B 13/00
F25B 31/00
(11) EP3310871
(21) EP16738915.4
(47) 08.01.2020
(87) US2016037888
22.12.2016
(22) 16.06.2016
(54) HEAT TRANSFER SYSTEM WITH TRIBOFILM ON BEARING SURFACE
(73) Carrier Corporation
(72) OPALKA, Susanne M.
TANG, Xia
GOBERMAN, Daniel G.
JONSSON, Ulf J.
CHAUDHRY, Zaffir A.
(31) 201562180472 P
(32) 16.06.2015
(33) United States of America

(51) C09K 5/04
C10M 105/38
C10M 107/20
C10M 107/24
C10M 171/00
C10N 20/00
C10N 20/02
C10N 30/00
C10N 40/30
F04B 39/00
F04B 39/02
F04C 18/02
F04C 23/00
F04C 29/00
F25B 1/00
F25B 9/00
(11) EP3421796
(21) EP18188887.6
(47) 18.12.2019
(22) 05.03.2009
(54) REFRIGERATION APPARATUS
(73) Daikin Industries, Ltd.
(72) Matsuura, Hideki
Tanaka, Masaru
Hara, Hideki
Shibaike, Kouji
Ohnuma, Youichi
(31) 2008070238
(32) 18.03.2008
(33) Japan

(51) C09K 8/03
C09K 8/42
C09K 8/516
C09K 8/52
C09K 8/70
C09K 8/72
C09K 8/92
(11) EP3322768
(21) EP16741487.9
(47) 08.01.2020
(87) US2016041604
19.01.2017
(22) 08.07.2016
(54) POLYSACCHARIDE COATED NANOPARTICLE WELL TREATMENT COMPOSITIONS COMPRISING IONS
(73) Saudi Arabian Oil Company
(72) COX, Jason R.
OW, Hooisweng
EICHMANN, Shannon L.
SCHMIDT, Howard K.
(31) 201562191881 P
(32) 13.07.2015
(33) United States of America

(51) C09K 8/03
C09K 8/60
C09K 8/62
(11) EP3036304
(21) EP14837224.6
(47) 08.01.2020
(87) US2014052135
26.02.2015
(22) 21.08.2014
(54) AQUEOUS DOWNHOLE FLUIDS HAVING CHARGED NANO-PARTICLES AND POLYMERS
(73) Baker Hughes, a GE company, LLC
(72) DEBORD, Saet, B.
TANIFUM, Christabel
(31) 201361868816 P
201414464395
(32) 22.08.2013
20.08.2014
(33) United States of America
United States of America

(51) C09K 8/035
C09K 8/52
C10G 75/04
C10L 1/236
C10L 3/10
C10L 10/04
(11) EP3350283
(21) EP16847020.1
(47) 08.01.2020
(87) US2016046667
23.03.2017
(22) 12.08.2016
(54) IMPROVED POLY(VINYL CAPROLACTAM) KINETIC GAS HYDRATE INHIBITOR AND METHOD FOR PREPARING THE SAME
(73) Huntsman Petrochemical LLC
(72) CLEMENTS, John
PAKULSKI, Marek, K.
RIETHMEYER, Jay
LEWIS, David, C.
(31) 201562220374 P
(32) 18.09.2015
(33) United States of America

(51) C09K 8/14
C09K 8/32
(11) EP2451886
(21) EP10734407.9
(47) 08.01.2020
(87) US2010041542
13.01.2011
(22) 09.07.2010
(54) ULTRA HIGH VISCOSITY PILL AND METHODS FOR USE WITH AN OIL-BASED DRILLING SYSTEM
(73) Tucc Technology LLC
(72) DOBSON, JR., James W.
TRESCO, Kimberly O.
GEERDES, Benjamin K.
(31) 224136 P
(32) 09.07.2009
(33) United States of America

(51) C09K 8/54
(11) EP3247761
(21) EP16740524.0
(47) 08.01.2020
(87) US2016013379
28.07.2016

(22) 14.01.2016
(54) USE OF HYDROXYACID TO REDUCE THE LOCALIZED CORROSION POTENTIAL OF LOW DOSE HYDRATE INHIBITORS
(73) Baker Hughes, a GE company, LLC
(72) GARZA, Timothy, Z.
COOK, Stuart, Edward
RIVERS, Gordon, T.
THIEU, Vu
STEAD, Paul, Robert
(31) 201514602943
(32) 22.01.2015
(33) United States of America

(51) C09K 11/02
C09K 11/59
(11) EP2841528
(21) EP13781912.4
(47) 08.01.2020
(87) US2013038201
31.10.2013
(22) 25.04.2013
(54) COLLOIDAL PHOTOLUMINESCENT AMORPHOUS POROUS SILICON, METHODS OF MAKING COLLOIDAL PHOTOLUMINESCENT AMORPHOUS POROUS SILICON, AND METHODS OF USING COLLOIDAL PHOTOLUMINESCENT AMORPHOUS POROUS SILICON
(73) King Abdullah University of Science and Technology
(72) MUGHAL, Asad
CHAIEB, Sahraoui
(31) 201261638574 P
(32) 26.04.2012
(33) United States of America

(51) C09K 11/59
(11) EP3313959
(21) EP16727092.5
(47) 08.01.2020
(87) US2016033890
29.12.2016
(22) 24.05.2016
(54) PHOSPHOR COMPOSITIONS AND LIGHTING APPARATUS THEREOF
(73) Current Lighting Solutions, LLC
(72) CAMARDELLO, Samuel, Joseph
SRIVASTAVA, Alok, Mani
DU, Fangming
COMANZO, Holly, Ann
BEERS, William, Winder
COHEN, William, Erwin
(31) 201514747174
(32) 23.06.2015
(33) United States of America

(51) C09K 19/04
C09K 19/20
C09K 19/30
C09K 19/54
C09K 19/56
G02F 1/1334
G02F 1/1337
(11) EP3217212
(21) EP15857224.8
(47) 08.01.2020
(87) JP2015081341
12.05.2016
(22) 06.11.2015
(54) LIQUID CRYSTAL DISPLAY DEVICE
(73) Nissan Chemical Corporation
Kyusyu Nanotec Optics Co., Ltd.
(72) HOSAKA, Kazuyoshi
MIKI, Noritoshi
OMURA, Hiroyuki
HASHIMOTO, Jun
BABA, Junichi
YOSHIDA, Shota
(31) 2014227294
(32) 07.11.2014
(33) Japan

(51) C10B 37/02
C10B 37/04
C10B 47/36
C10J 3/30
C10J 3/38
(11) EP3371276
(21) EP16809479.5
(47) 08.01.2020
(87) FR2016052851
11.05.2017
(22) 03.11.2016
(54) DEVICE FOR THERMOLYSIS IN STAGES
(73) Haffner Energy
(72) FERNANDEZ DE GRADO, Alain
HAFFNER, Philippe
(31) 1560555
(32) 04.11.2015
(33) France

(51) C10B 55/00
C10B 57/04
C10G 9/00
(11) EP2737007
(21) EP12728915.5
(47) 08.01.2020
(87) US2012041897
07.02.2013
(22) 11.06.2012
(54) SOLVENT-ASSISTED DELAYED COKING PROCESS
(73) Saudi Arabian Oil Company
(72) KOSEOGLU, Omer, Refa
(31) 201161513369 P
(32) 29.07.2011
(33) United States of America

(51) C10G 25/00
(11) EP2225350
(21) EP08850519.3
(47) 08.01.2020
(87) US2008012859
22.05.2009
(22) 14.11.2008
(54) MICROWAVE-PROMOTED DESULFURIZATION OF CRUDE OIL
(73) Saudi Arabian Oil Company
(72) KHAN, Rashid, M.
AL-SHAFEI, Emad, Naji
(31) 3208
(32) 14.11.2007
(33) United States of America

(51) C10L 1/30
C10L 10/10
(11) EP3330344
(21) EP17204818.3
(47) 08.01.2020
(22) 30.11.2017
(54) AVIATION GASOLINE CONTAINING BRANCHED AROMATICS WITH A MANGANESE OCTANE ENHANCER
(73) Afton Chemical Corporation
(72) MCAFEE, Zachary John
CALDERONE III, Joseph Anthony
(31) 201615366346
(32) 01.12.2016
(33) United States of America

(51) C10L 5/14
C10L 5/36
C10L 5/44
(11) EP2514805
(21) EP12386011.6
(47) 08.01.2020
(22) 30.03.2012
(54) New method for producing charcoal from olive kernels
(73) Kottaridi, Klimentia
(72) Kottaridi, Klimentia
(31) 2011100241
(32) 18.04.2011
(33) Greece

(51) C10L 5/44
C10L 9/08
F26B 23/00
(11) EP2710096
(21) EP12784918.0
(47) 08.01.2020
(87) SE2012050531
22.11.2012
(22) 16.05.2012
(54) METHOD AND AN ARRANGEMENT FOR EFFICIENT TORREFACTION OF BIOMASS
(73) Bioendev AB
(72) OLOFSSON, Ingemar
NORDWAEGER, Martin
NORDIN, Anders
HÅKANSSON, Katarina
(31) 1150458
(32) 18.05.2011
(33) Sweden

(51) C10M 107/34
C10M 145/32
C10N 30/06
(11) EP2997118
(21) EP14722199.8
(47) 08.01.2020
(87) EP2014059276
20.11.2014
(22) 07.05.2014
(54) THE USE OF POLYTETRAHYDROFURANES IN LUBRICATING OIL COMPOSITIONS
(73) BASF SE
(72) KASHANI-SHIRAZI, Nawid
ECORMIER, Muriel
HANSCH, Markus
FISCHER, Claudia
WEISS, Thomas
SCHERER, Markus
(31) 13168334
(32) 17.05.2013
(33) European Patent Office (EPO)

(51) C10M 107/50
C10M 125/10

C10M 169/04
C10N 10/04
C10N 10/12
C10N 20/00
C10N 30/06
C10N 40/04
C10N 50/10
(11) EP3109300
(21) EP15751845.7
(47) 08.01.2020
(87) JP2015054383
27.08.2015
(22) 18.02.2015
(54) SILICONE GREASE COMPOSITION
(73) Kyodo Yushi Co., Ltd.
(72) HIROOKA, Iwaki
YOSHINARI, Terasu
(31) 2014028681
(32) 18.02.2014
(33) Japan

(51) C10M 141/10
C10M 169/04
C10N 20/02
C10N 30/00
C10N 30/06
C10N 30/08
C10N 30/12
C10N 40/08
(11) EP2826847
(21) EP13760927.7
(47) 08.01.2020
(87) JP2013056556
19.09.2013
(22) 11.03.2013
(54) LUBRICATING OIL COMPOSITION
(73) Idemitsu Kosan Co., Ltd
(72) KIKO, Yumiko
OKADA, Tahei
(31) 2012055140
(32) 12.03.2012
(33) Japan

(51) C10M 173/02
(11) EP2021444
(21) EP07749868.1
(47) 08.01.2020
(87) US2007002954
23.08.2007
(22) 02.02.2007
(54) LUBRICANT FOR CONVEYING CONTAINERS
(73) Ecolab USA Inc.
(72) VALENCIA SIL, Arturo, S.
GRAB, Lawrence, A.
SCHMIDT, Bruce, E.
HALSRUD, David, A.
WEI, Guang-jong, Jason
MORRISON, Eric, D.
DIBENEDETTO, Hector, R.
ANCKER, Jessica, L.
JOHNSON, Richard, D.
MALVEY, Megan, W.
BENNETT, Scott, P.
SEEMEYER, Stefan
(31) 351863
(32) 10.02.2006
(33) United States of America

(51) C11D 1/06
C11D 3/08
C11D 3/10
C11D 3/12
C11D 17/00
C11D 17/06
(11) EP3430112
(21) EP17707570.2
(47) 08.01.2020
(87) EP2017054724
21.09.2017
(22) 01.03.2017
(54) GRANULATE COMPRISING AN INORGANIC, SOLID CARRIER, CONTAINING AT LEAST ONE BIOSURFACTANT
(73) Evonik Operations GmbH
(72) KUPPERT, Dirk
EGNER, Rudolf
LATTICH, Jürgen
HILDEBRAND, Jens
(31) 16161078
(32) 18.03.2016
(33) European Patent Office (EPO)

(51) C11D 3/00
C11D 3/37
C11D 3/40
C11D 3/50
C11D 17/00
(11) EP3354715
(21) EP17382032.5
(47) 08.01.2020
(22) 25.01.2017
(54) FABRIC SOFTENING AND PERFUMING COMPOSITION WITH ANTI-LIME EFFECT AND METHOD FOR OBTAINING SAID COMPOSITION
(73) Industrias Català, S.A.
(72) PESCADOR BELLO, José Luis
GIMÉNEZ MENESES, Manuel

(51) C11D 3/04
C11D 3/18
C11D 3/20
C11D 3/37
C11D 3/39
C11D 3/43
C11D 3/48
C11D 11/00
(11) EP3011002
(21) EP14731263.1
(47) 08.01.2020
(87) EP2014062799
24.12.2014
(22) 18.06.2014
(54) AGENT FOR REMOVING SPOTS AND DEPOSITS
(73) Buck Service GmbH
(72) LEIPOLD, Joachim
JAESCHKE, Edgar
SCHIRMER, Antje
(31) 102013106363
(32) 18.06.2013
(33) Germany

(51) C11D 3/20
C11D 3/33
C11D 3/386
C11D 17/00
(11) EP3431575
(21) EP18182518.3
(47) 08.01.2020
(22) 09.07.2018
(54) DISHWASHING DETERGENT COMPOSITIONS CONTAINING CITRATE DIHYDRATE AND ANHYDRATE
(73) Henkel AG & Co. KGaA
(72) Vockenroth, Inga Kerstin
Weber, Thomas
Bellomi, Luca
Schuetz, Lisa-Marie
(31) 102017212561
(32) 21.07.2017
(33) Germany

(51) C11D 3/20
C11D 3/39
C11D 3/48
C11D 7/26
C11D 17/04
(11) EP3224337
(21) EP15797824.8
(47) 08.01.2020
(87) US2015060880
02.06.2016
(22) 16.11.2015
(54) FILM-ENCASED CLEANING COMPOSITION
(73) Milliken & Company
(72) MICHAELS, Emily W.
KIEKEN, Laurent D.
WHITESIDE, Shirley A.
MOORE, Patrick D.
PETREA, Randy D.
SCHUETTE, Robert L.
(31) 201462083979 P
201514937916
(32) 25.11.2014
11.11.2015
(33) United States of America
United States of America

(51) C11D 11/00
(11) EP3423559
(21) EP16710931.3
(47) 08.01.2020
(87) EP2016054588
08.09.2017
(22) 03.03.2016
(54) NON-ENZYMATIC CLEANER FOR REPROCESSING SURGICAL INSTRUMENTS AND FLEXIBLE ENDOSCOPES
(73) Ecolab USA, Inc.
(72) POPOVIC, Zoran
FRIEDRICH, Isabelle Katharina
DECKER, Michael
JAEGER, Stefan

(51) C12M 1/00
C12M 1/04
C12M 1/12
C12M 1/32
(11) EP2992079
(21) EP14727673.7
(47) 08.01.2020
(87) US2014035635
06.11.2014
(22) 28.04.2014
(54) WELL ARTICLE AND PERFUSION PLATE APPARATUS FOR SPHEROID CELL CULTURE
(73) Corning Incorporated

(72) BENNETT, Scott Matthew
DOUGLASS, Brian Robb
GAGNON, Paul Ernest, Jr.
MARTIN, Gregory Roger
SZLOSEK, Paul Michael
TANNER, Allison Jean
(31) 201361817539 P
201314087906
(32) 30.04.2013
22.11.2013
(33) United States of America
United States of America

(51) C12M 1/00
C12M 1/12
C12M 1/32
C12M 1/36
C12M 3/00
(11) EP3074502
(21) EP14810067.0
(47) 08.01.2020
(87) US2014066184
28.05.2015
(22) 18.11.2014
(54) CELL SEEDING DEVICE AND METHOD
(73) Vericel Corporation
(72) WANG, Yongzhong
KELLY, Christopher
RAPKO, Stephen
QUINNO, Frank
SEYMOUR, Barbara
(31) 201314088999
(32) 25.11.2013
(33) United States of America

(51) C12M 1/00
C12M 1/34
(11) EP2917324
(21) EP13808200.3
(47) 08.01.2020
(87) HU2013000105
15.05.2014
(22) 05.11.2013
(54) A METHOD FOR ORGANIC WASTE HYDROLYSIS AND ACIDIFICATION
(73) ReNEW Technologies Ltd.
(72) BHASIN, Charandeep Singh
(31) P1200637
(32) 06.11.2012
(33) Hungary

(51) C12M 1/00
C12M 1/34
G01N 31/22
C12N 5/0775
(11) EP3022284
(21) EP14748311.9
(47) 08.01.2020
(87) NL2014050488
22.01.2015
(22) 17.07.2014
(54) CONTROL OF PH AND DISSOLVED GAS IN MEDIUM
(73) Scinus Holding B.V.
(72) ROOSLOOT, Emerentius Gerardus
VAN SANTEN, Pieter Theo Elias
(31) 2011187
(32) 17.07.2013
(33) Netherlands

(51) C12M 1/00
C12M 1/42
C12N 1/06
C12N 15/10
(11) EP2997125
(21) EP14731761.4
(47) 08.01.2020
(87) GB2014051510
20.11.2014
(22) 16.05.2014
(54) METHOD AND DEVICE FOR CELL LYSIS OR PORATION
(73) TTP plc
(72) SANDERS, Giles, Hugo, William
GRAHAM, Abi, Clair
STELLA, Rita
(31) 201308946
(32) 16.05.2013
(33) United Kingdom

(51) C12M 1/00
C12M 3/00
C12N 1/12
(11) EP2571977
(21) EP10851869.7
(47) 08.01.2020
(87) US2010035109
24.11.2011
(22) 17.05.2010
(54) SYSTEM FOR SEEDING CELLS ONTO THREE DIMENSIONAL SCAFFOLDS
(73) Yale University, Inc.
Pall Corporation
(72) BREUER, Christopher
SNYDER, Edward, L.
SHAFI, Keru
SMITH, Martin, Alexander

(51) C12M 1/00
C12N 15/09
C12Q 1/68
(11) EP2998408
(21) EP14797267.3
(47) 08.01.2020
(87) JP2014063214
20.11.2014
(22) 19.05.2014
(54) METHOD FOR OBTAINING EPIGENETIC CELL INFORMATION, METHOD FOR DETERMINING CELL CHARACTERISTICS, METHOD FOR ASSESSING DRUG SENSITIVITY OR SELECTING DRUG OR IMMUNOTHERAPEUTIC AGENT VARIETY, DISEASE DIAGNOSIS METHOD, SELF-REPLICATING VECTOR, ASSAY KIT, AND ANALYSIS DEVICE
(73) Toshiba Medical Systems Corporation
(72) YOSHIMURA, Seiko
ISHIHARA, Mitsuko
AKAHOSHI, Eiichi
SAKURAI, Yasuo
(31) 2013105481
(32) 17.05.2013
(33) Japan

(51) C12M 1/33
C12N 1/06
C12N 13/00
(11) EP2946189
(21) EP14740285.3
(47) 08.01.2020
(87) US2014011801
24.07.2014
(22) 16.01.2014
(54) CONTINUOUS SONICATION FOR BIOTECHNOLOGY APPLICATIONS AND BIOFUEL PRODUCTION
(73) Halaka, Folim G.
(72) Halaka, Folim G.
(31) 201313744819
(32) 18.01.2013
(33) United States of America

(51) C12M 1/34
G01M 3/10
G01M 3/32
(11) EP2952867
(21) EP15001756.4
(47) 08.01.2020
(22) 26.06.2012
(54) TEST METHOD AND APPARATUS FOR BIOREACTOR CONTAINERS
(73) Sartorius Stedim Biotech GmbH
(72) Dahlberg, Martin
GAY, Isabelle
Böttcher, Lars
Obermann, Stefan
Sandrock, Rainer
(31) 102011106165
(32) 30.06.2011
(33) Germany

(51) C12N 1/18
C12N 9/00
C12N 9/02
C12N 9/04
C12P 7/06
C12P 7/08
C12P 7/10
(11) EP2694662
(21) EP12713845.1
(47) 08.01.2020
(87) US2012032443
11.10.2012
(22) 05.04.2012
(54) METHODS FOR THE IMPROVEMENT OF PRODUCT YIELD AND PRODUCTION IN A MICROORGANISM THROUGH THE ADDITION OF ALTERNATE ELECTRON ACCEPTORS
(73) Lallemand Hungary Liquidity Management LLC
(72) ARGYROS, Aaron
SILLERS, William Ryan
BARRETT, Trisha
CAIAZZA, Nicky
SHAW IV, Arthur J.
(31) 201161472085 P
(32) 05.04.2011
(33) United States of America

(51) C12N 1/20
A23L 5/42
(11) EP3030648
(21) EP14806750.7
(47) 08.01.2020
(87) US2014050282
12.02.2015
(22) 08.08.2014
(54) METHYLOTROPHS FOR AQUACULTURE AND ANIMAL FEED
(73) Knipbio, Inc.

(72) FEINBERG, Larry, F.
MARX, Christopher, J.
(31) 201361863701 P
(32) 08.08.2013
(33) United States of America

(51) C12N 5/02
C12N 5/0775
A61K 35/12
(11) EP2917337
(21) EP13853120.7
(47) 08.01.2020
(87) US2013069206
15.05.2014
(22) 08.11.2013
(54) MEDIA FOR CULTURING, PRESERVING, AND ADMINISTERING REGENERATIVE CELLS
(73) InGeneron Inc.
Arthrodynamic Holdings, LLC
(72) COLEMAN, Michael
BRUNO, Ivone
MARTINEZ, Rudy
SANCHEZ, Amir
ALT, Eckhard U.
MARCUM, Frank D.
SHEALY, Paul
(31) 201261724285 P
(32) 08.11.2012
(33) United States of America

(51) C12N 5/0783
A61K 35/17
(11) EP2807250
(21) EP12851070.8
(47) 08.01.2020
(87) US2012066112
30.05.2013
(22) 20.11.2012
(54) USE OF PDL1 EXPRESSING CELLS TO CONVERT T CELLS INTO REGULATORY T CELLS
(73) The Trustees of The University of Pennsylvania
The United States of America, as represented by the Secretary, Department of Health and Human Services
(72) RILEY, James, L.
FOWLER, Daniel, H.
AMARNATH, Shoba
(31) 201161563273 P
201161564174 P
(32) 23.11.2011
28.11.2011
(33) United States of America
United States of America

(51) C12N 9/00
C12N 9/02
C12N 9/04
C12N 9/10
C12N 9/12
C12N 9/88
C12N 9/90
C12P 7/64
(11) EP2834352
(21) EP13715879.6
(47) 08.01.2020
(87) US2013035037
10.10.2013
(22) 02.04.2013
(54) IMPROVED PRODUCTION OF FATTY ACID DERIVATIVES
(73) Genomatica, Inc.
(72) GREENFIELD, Derek, L.
SCHIRMER, Andreas, W.
CLARKE, Elizabeth, J.
GROBAN, Eli, S.
DA COSTA, Bernardo, M.
HU, Zhihao
HELMAN, Noah
HOLDEN, Kevin
(31) 201261619324 P
(32) 02.04.2012
(33) United States of America

(51) C12N 9/02
C12P 7/04
C12P 7/64
(11) EP3385374
(21) EP18160746.6
(47) 08.01.2020
(22) 02.04.2013
(54) CAR ENZYMES AND IMPROVED PRODUCTION OF FATTY ALCOHOLS
(73) Genomatica, Inc.
(72) Greenfield, Derek L.
Clarke, Elizabeth
Groban, Eli S.
Arlagadda, Vikranth
Lee, Sungwon
Li, Xuezhi
Hu, Zhihao
Zhu, Baolong
(31) 201261619309 P
(32) 02.04.2012
(33) United States of America

(51) C12N 9/12
C12N 15/01
C12Q 1/6806
(11) EP3055413
(21) EP14851691.7
(47) 08.01.2020
(87) US2014059489
16.04.2015
(22) 07.10.2014
(54) DETECTION OF CHEMICAL MODIFICATIONS IN NUCLEIC ACIDS
(73) The University of North Carolina at Chapel Hill
(72) WEEKS, Kevin M.
SIEGFRIED, Nathan
HOMAN, Philip
BUSAN, Steven
FAVOROV, Oleg V.
(31) 201361887614 P
(32) 07.10.2013
(33) United States of America

(51) C12N 9/22
C12N 15/29
C12N 15/82
A01H 5/00
(11) EP2525649
(21) EP11735267.4
(47) 08.01.2020
(87) US2011022135
28.07.2011
(22) 21.01.2011
(54) EXCISION OF TRANSGENES IN GENETICALLY MODIFIED ORGANISMS
(73) Dow AgroSciences, LLC
(72) RUSSELL, Sean
PETOLINO, Joseph F.
(31) 297628 P
(32) 22.01.2010
(33) United States of America

(51) C12N 15/10
C12N 15/64
C12N 15/66
(11) EP3354732
(21) EP18162656.5
(47) 08.01.2020
(22) 23.06.2015
(54) NUCLEASE-MEDIATED DNA ASSEMBLY
(73) Regeneron Pharmaceuticals, Inc.
(72) SCHOENHERR, Chris
MCWHIRTER, John
MOMONT, Corey
MACDONALD, Lynn
MURPHY, Andrew
WARSHAW, Gregg
ROJAS, Jose
LAI, Ka-Man
VALENZUELA, David
MONTAGNA, Caitlin
(31) 201462015809 P
201462016400 P
201462036983 P
(32) 23.06.2014
24.06.2014
13.08.2014
(33) United States of America
United States of America
United States of America

(51) C12N 15/11
C12N 15/29
C12N 15/82
A01H 5/00
(11) EP2797406
(21) EP12861436.9
(47) 08.01.2020
(87) US2012064683
04.07.2013
(22) 12.11.2012
(54) CONSTRUCT AND METHOD FOR SYNTHETIC BIDIRECTIONAL PLANT PROMOTER UBI1
(73) Dow AgroSciences LLC
(72) KUMAR, Sandeep
ALABED, Diaa
WRIGHT, Terry
GUPTA, Manju
(31) 201161582138 P
201261617252 P
(32) 30.12.2011
29.03.2012
(33) United States of America
United States of America

(51) C12P 3/00
C12P 7/06
(11) EP2638171
(21) EP11781491.3
(47) 08.01.2020
(87) EP2011069232
18.05.2012
(22) 02.11.2011

(54) PROCESS AND APPARATUS FOR THE PRODUCTION OF ALCOHOLS
(73) Jupeng Bio (HK) Limited
(72) BELL, Peter Simpson
COOKE, Brian Henry
TURNBULL, Neil
(31) 10190527
(32) 09.11.2010
(33) European Patent Office (EPO)

(51) C12P 7/64
(11) EP3008200
(21) EP14810409.4
(47) 08.01.2020
(87) US2014041708
18.12.2014
(22) 10.06.2014
(54) PRODUCTION OF BIODIESEL AND PRODUCTS OBTAINED THEREFROM
(73) Renewable Energy Group, Inc.
(72) ELLENS, Cody, J.
SLADE, David, A.
ALBIN, Bradley, Neil
WINKEL, Derek, J.
DOWNEY, Jared, A.
(31) 201361833504 P
(32) 11.06.2013
(33) United States of America

(51) C12P 19/36
(11) EP3218507
(21) EP15858721.2
(47) 08.01.2020
(87) US2015060837
19.05.2016
(22) 16.11.2015
(54) METHODS AND COMPOSITIONS FOR ENHANCING SKIN PIGMENTATION
(73) The General Hospital Corporation
(72) ROIDER, Elisabeth Maria
FISHER, David Erich
(31) 201462079772 P
(32) 14.11.2014
(33) United States of America

(51) C12P 21/06
(11) EP2771479
(21) EP12844533.5
(47) 08.01.2020
(87) US2012061428
02.05.2013
(22) 23.10.2012
(54) METHODS FOR INCREASING N-GLYCAN OCCUPANCY AND REDUCING PRODUCTION OF HYBRID N-GLYCANS IN PICHIA PASTORIS STRAINS LACKING ALG3 EXPRESSION
(73) Merck Sharp & Dohme Corp.
(72) CHOI, Byung-Kwon
SETHURAMAN, Natarajan
HAMILTON, Stephen R.
(31) 201161552720 P
201261679212 P
(32) 28.10.2011
03.08.2012
(33) United States of America
United States of America

(51) C12Q 1/02
C12N 5/0735
C12N 5/0797
(11) EP2488631
(21) EP10822954.3
(47) 08.01.2020
(87) CA2010001610
21.04.2011
(22) 13.10.2010
(54) MANIPULATION OF OSMOLALITY FOR DIFFERENTIATING STEM CELLS
(73) Stemcell Technologies Inc.
(72) BLAK, Alexandra, A.
LOUIS, Sharon, A.
(31) 251130 P
354947 P
(32) 13.10.2009
15.06.2010
(33) United States of America
United States of America

(51) C12Q 1/26
C12Q 1/28
G01N 33/543
G01N 33/553
(11) EP3498859
(21) EP18211201.1
(47) 08.01.2020
(22) 10.12.2018
(54) DETERMINATION OF SARCOSINE USING SARCOSINE OXIDASE AND HORSERADISH PEROXIDASE BOUND TO FE2O3/AU NANOPARTICLES VIA CHITOSAN
(73) Prevention Medicals s.r.o.
(72) UHLIROVÁ, Dagmar
DOCEKALOVÁ, Michaela
STANKOVÁ, Martina
RUZICKA, Josef
KIZEK, René
(31) 20170812
(32) 18.12.2017
(33) Czech Republic

(51) C12Q 1/68
(11) EP3303613
(21) EP16725866.4
(47) 08.01.2020
(87) EP2016062198
08.12.2016
(22) 30.05.2016
(54) METHOD TO DETECT ACTIVITY OF A POLYMERASE
(73) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.
Lead Discovery Center GmbH
(72) BERGBREDE, Tim
LARSSON, Nils-Göran
GUSTAFSSON, Claes
FALKENBERG-GUSTAFSSON, Maria
(31) 15169966
(32) 29.05.2015
(33) European Patent Office (EPO)

(51) C12Q 1/68
(11) EP3263715
(21) EP16305783.9
(47) 08.01.2020
(22) 28.06.2016
(54) METHOD FOR TRANSCRIPTOME ANALYSIS OF SINGLE CELLS
(73) HIFIBIO
(72) GERARD, Annabelle, Patricia, Véronique
GROSSELIN, Kévin, Armand
POITOU, Adeline, Frédérique, Joëlle
ELLOUZE, Sami
POUSSE, Yannick, MIchel, Louis
REICHEN, Marcel
JENSEN, Allan
BRENAN, Colin

(51) C12Q 1/68
(11) EP3077535
(21) EP14833341.2
(47) 08.01.2020
(87) EP2014076143
11.06.2015
(22) 01.12.2014
(54) NOVEL RNA-BIOMARKERS FOR DIAGNOSIS OF PROSTATE CANCER
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) HORN, Friedemann
HACKERMÜLLER, Jörg
CHRIST, Sabina
REICHE, Kristin
WIRTH, Manfred
FRÖHNER, Michael
FÜSSEL, Susanne
(31) 13195377
(32) 02.12.2013
(33) European Patent Office (EPO)

(51) C12Q 1/6809
C12Q 1/6827
(11) EP3242938
(21) EP16735521.3
(47) 08.01.2020
(87) US2016012748
14.07.2016
(22) 08.01.2016
(54) DETECTION OF GENOME EDITING
(73) Bio-Rad Laboratories, Inc.
The J. David Gladstone Institutes
(72) BERMAN, Jennifer
COOPER, Samantha
KARLIN-NEUMANN, George
MIYAOKA, Yuichiro
CONKLIN, Bruce
SCHINOFF, Josh
(31) 201562101828 P
201562201446 P
(32) 09.01.2015
05.08.2015
(33) United States of America
United States of America

(51) C12Q 1/6816
(11) EP3332025
(21) EP16750377.0
(47) 08.01.2020
(87) EP2016001259
09.02.2017
(22) 19.07.2016
(54) METHOD FOR DETECTING A NUCLEIC ACID
(73) GNA Biosolutions GmbH
(72) STEHR, Joachim
BÜRSGENS, Federico
ULLERICH, Lars
OSINKINA, Lidiya
REBUFFO-SCHEER, Cecilia
(31) 102015010069
(32) 03.08.2015
(33) Germany

(51) C12Q 1/6844

(11) EP3152324
(21) EP15726183.5
(47) 08.01.2020
(87) EP2015062430
10.12.2015
(22) 03.06.2015
(54) STRAND-INVASION BASED DNA AMPLIFICATION METHOD
(73) Orion Diagnostica Oy
(72) EBOIGBODIN, Kevin
BRUMMER, Mirko
(31) 201410022
(32) 05.06.2014
(33) United Kingdom

(51) C12Q 1/6869
C12Q 1/6874
(11) EP2956553
(21) EP14708952.8
(47) 08.01.2020
(87) IB2014058942
21.08.2014
(22) 12.02.2014
(54) METHODS AND KITS FOR IDENTIFYING AND ADJUSTING FOR BIAS IN SEQUENCING OF POLYNUCLEOTIDE SAMPLES
(73) MDxHealth SA
(72) VAN CRIEKINGE, Wim
(31) 201361763771 P
(32) 12.02.2013
(33) United States of America

(51) C12Q 1/6881
(11) EP3132059
(21) EP15779750.7
(47) 08.01.2020
(87) US2015018967
22.10.2015
(22) 05.03.2015
(54) QUANTIFICATION OF ADAPTIVE IMMUNE CELL GENOMES IN A COMPLEX MIXTURE OF CELLS
(73) Adaptive Biotechnologies Corporation
Fred Hutchinson Cancer Research Center
(72) ROBINS, Harlan Saul
CARLSON, Christopher Scott
RIEDER, Mark J.
SHERWOOD, Anna M.
EMERSON, Ryan O.
(31) 201461981085 P
201461983920 P
(32) 17.04.2014
24.04.2014
(33) United States of America
United States of America

(51) C12Q 1/6883
(11) EP3241910
(21) EP17159235.5
(47) 08.01.2020
(22) 08.10.2009
(54) METHODS FOR DIAGNOSIS AND TREATMENT OF AUTOIMMUNE DISEASE SECONDARY TO MULTIPLE SCLEROSIS
(73) Cambridge Enterprise Limited
(72) COLES, Alasdair J.
JONES, Joanne L.
COMPSTON, Alastair
(31) 195658 P
197187 P
198631 P
(32) 08.10.2008
24.10.2008
07.11.2008
(33) United States of America
United States of America
United States of America

(51) C12Q 1/6886
(11) EP3119907
(21) EP15741765.0
(47) 08.01.2020
(87) EP2015055992
24.09.2015
(22) 20.03.2015
(54) METHODS FOR PREDICTING RESPONSE TO HDACI/DNMTI COMBINATION IN MULTIPLE MYELOMA
(73) INSERM (Institut National de la Santé et de la Recherche Médicale)
Université de Montpellier
Centre Hospitalier Universitaire de Montpellier
(72) MOREAUX, Jérôme
KLEIN, Bernard
(31) 14305404
(32) 21.03.2014
(33) European Patent Office (EPO)

(51) C12Q 1/6886
(11) EP3061834
(21) EP16150667.0
(47) 08.01.2020
(22) 23.10.2006
(54) SHP-2 GENE MUTATIONS IN MELANOMA
(73) The Regents of the University of California
(72) BASTIAN, Boris, C.
CURTIN, John, A.
(31) 729171 P
(32) 21.10.2005
(33) United States of America

(51) C12R 1/01
A61K 35/741
(11) EP3218524
(21) EP15797929.5
(47) 08.01.2020
(87) EP2015076572
19.05.2016
(22) 13.11.2015
(54) FAECALIBACTERIUM PRAUSNITZII STRAINS FOR TREATING AND PREVENTING GASTROINTESTINAL PAIN
(73) Institut National de la Recherche Agronomique (INRA)
Institut National de la Santé et de la Recherche Médicale (INSERM)
Université Pierre et Marie Curie (Paris 6)
Assistance Publique-Hôpitaux de Paris (APHP)
Ecole D'ingenieurs De Purpan
(72) LANGELLA, Philippe
MIQUEL, Sylvie
MARTIN ROSIQUE, Rebeca
BERMUDEZ HUMARAN, Luis
THOMAS, Muriel
SOKOL, Harry
CARVALHO, Frédéric
THEODOROU, Vassilia
(31) 14306803
(32) 13.11.2014
(33) European Patent Office (EPO)

(51) C12R 1/01
C12R 1/64
(11) EP2989217
(21) EP14718978.1
(47) 08.01.2020
(87) EP2014058151
30.10.2014
(22) 22.04.2014
(54) A NEW BACTERIAL LYSOBACTER CAPSICI STRAIN AND USES THEREOF
(73) Fondazione Edmund Mach
(72) PUOPOLO, Gerardo
PERTOT, Ilaria
(31) 13164716
(32) 22.04.2013
(33) European Patent Office (EPO)

(51) C13B 30/00
C13B 30/02
C12P 19/12
C13K 1/00
C13K 1/10
C13K 13/00
(11) EP3015557
(21) EP14817741.3
(47) 08.01.2020
(87) JP2014065900
31.12.2014
(22) 16.06.2014
(54) METHOD FOR PRODUCING A SUGAR-CRYSTAL-CONTAINING FLUID
(73) Mitsui Sugar Co. Ltd.
(72) OKUNO Masahiro
NAKAJIMA Hisanori
(31) 2013136069
(32) 28.06.2013
(33) Japan

(51) C14B 17/06
(11) EP3363916
(21) EP18157727.1
(47) 08.01.2020
(22) 20.02.2018
(54) DEVICE FOR FLATTENING A FLEXIBLE MEMBRANE
(73) Turner S.A.S.
(72) CHAMBON, Didier, Marie, Bruno, Henri
CHARREYRON, Stephen
CHAMBON, Romain
(31) 1751345
(32) 20.02.2017
(33) France

(51) C21B 9/10
F27D 1/16
(11) EP3404119
(21) EP18173101.9
(47) 08.01.2020
(22) 18.05.2018
(54) HEAT SHIELD ASSEMBLY AND METHOD FOR PROVIDING SUCH A HEAT SHIELD ASSEMBLY
(73) Pirson Refractories B.V.
(72) Zwart, Simon
Peerdeman, Arnoud
(31) 2018939

(32) 18.05.2017
(33) Netherlands

(51) C21D 1/06
C21D 9/00
C23C 8/20
F27B 5/02
F27B 5/12
F27B 5/13
F27B 17/00
F27D 3/00
F27D 7/00
F27D 9/00
F27D 15/02
F27D 99/00
(11) EP3279595
(21) EP16772440.0
(47) 08.01.2020
(87) JP2016058951
06.10.2016
(22) 22.03.2016
(54) HEAT TREATMENT SYSTEM
(73) IHI Corporation
IHI Machinery and Furnace Co., Ltd.
(72) KATSUMATA Kazuhiko
NAGATA Takahiro
(31) 2015067959
(32) 30.03.2015
(33) Japan

(51) C21D 1/18
C21D 6/00
C21D 6/02
C21D 8/00
C21D 8/06
C21D 9/00
C21D 9/52
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/20
C22C 38/22
C22C 38/24
C22C 38/38
C22C 38/42
C22C 38/44
C22C 38/46
C22C 38/48
C22C 38/58
C22C 38/60
(11) EP3272896
(21) EP16765035.7
(47) 08.01.2020
(87) JP2016058391
22.09.2016
(22) 16.03.2016
(54) AGE-HARDENABLE STEEL, AND METHOD FOR MANUFACTURING COMPONENTS USING AGE-HARDENABLE STEEL
(73) Nippon Steel Corporation
DENSO CORPORATION
(72) YUYA, Masato
TAKASUGA, Motoki
MAKINO, Taizo
HIGASHIDA, Masashi
HASEGAWA, Tatsuya
NISHIWAKI, Tadashi
MORITA, Kouji
ITO, Toshimasa
TANIMURA, Yoshiro
FUKUOKA, Tomomitsu
(31) 2015052557
(32) 16.03.2015
(33) Japan

(51) C21D 1/19
C21D 1/25
C21D 8/02
C21D 8/04
C21D 9/46
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/22
C22C 38/26
C22C 38/34
C22C 38/38
C23C 2/28
C25D 7/06
(11) EP3164517
(21) EP15750460.6
(47) 08.01.2020
(87) IB2015055034
07.01.2016
(22) 03.07.2015
(54) METHOD FOR PRODUCING A ULTRA HIGH STRENGTH COATED STEEL SHEET AND OBTAINED SHEET
(73) Arcelormittal
(72) GIRINA, Olga A.
PANAHI, Damon
(31) PCT/IB2014/002379
(32) 03.07.2014
(33) World Intellectual Property Office (WIPO)

(51) C21D 1/40
C21D 1/42
C21D 1/673
C21D 9/46
H05B 3/00
(11) EP3221473
(21) EP15807706.5
(47) 08.01.2020
(87) JP2015005811
26.05.2016
(22) 20.11.2015
(54) HEATING METHOD, HEATING APPARATUS, AND FABRICATION METHOD FOR PRESS-MOLDED ARTICLE
(73) Neturen Co., Ltd.
(72) OOYAMA, Hironori
IKUTA, Fumiaki
(31) 2014235365
(32) 20.11.2014
(33) Japan

(51) C21D 1/74
C21D 3/02
C21D 6/00
C22C 19/05
C22F 1/02
C22F 1/10
(11) EP2126152
(21) EP07871802.0
(47) 08.01.2020
(87) FR2007002006
10.07.2008
(22) 06.12.2007
(54) PROCESSING METHOD FOR CRACKING DESENSITISATION USING A NICKEL BASED ALLOY ENVIRONMENT, MAINLY FOR A NUCLEAR REACTOR FUEL ASSEMBLY AND FOR A NUCLEAR REACTOR, AND PART MADE OF THE ALLOY THUS PROCESSED
(73) FRAMATOME
(72) CLOUE, Jean-Marc
GARAT, Véronique
ANDRIEU, Eric
DELEUME, Julien
(31) 0611538
(32) 29.12.2006
(33) France

(51) C21D 6/00
C21D 6/02
C22C 33/02
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/22
C22C 38/24
C22C 38/44
C22C 38/46
(11) EP3169821
(21) EP15821258.9
(47) 08.01.2020
(87) SE2015050751
21.01.2016
(22) 26.06.2015
(54) COLD WORK TOOL STEEL
(73) Uddeholms AB
(72) DAMM, Petter
HILLSKOG, Thomas
BENGTSSON, Kjell
ENGSTRÖM SVENSSON, Annika
EJNERMARK, Sebastian
EKMAN, Lars
BERGQVIST, Victoria
(31) 14177221
(32) 16.07.2014
(33) European Patent Office (EPO)

(51) C21D 8/00
C21D 8/02
C22C 38/00
C22C 38/02
C22C 38/04
C22C 38/06
C22C 38/22
C22C 38/24
C22C 38/26
C22C 38/28
C22C 38/38
C22C 38/42
C22C 38/44
C22C 38/46
C22C 38/48
C22C 38/58
(11) EP2380997
(21) EP09707108.8
(47) 08.01.2020
(87) JP2009050906
22.07.2010
(22) 15.01.2009
(54) STEEL FOR WELDED STRUCTURES EXCELLENT IN HIGH TEMPERATURE

STRENGTH AND LOW TEMPERATURE TOUGHNESS AND METHOD OF PRODUCTION OF SAME
(73) Nippon Steel Corporation
(72) WATANABE, Yoshiyuki
UEMORI, Ryuji

(51) C21D 8/02
C21D 9/46
C22C 38/14
(11) EP3263733
(21) EP16755554.9
(47) 08.01.2020
(87) JP2016055428
01.09.2016
(22) 24.02.2016
(54) COLD-ROLLED STEEL SHEET AND METHOD OF MANUFACTURING SAME
(73) Nippon Steel Corporation
(72) TAKEDA Kengo
HAYASHI Kunio
UENISHI Akihiro
AZUMA Masafumi
NOZAKI Takayuki
TODA Yuri
(31) 2015034137
2015034234
2015139687
2015139888
(32) 24.02.2015
24.02.2015
13.07.2015
13.07.2015
(33) Japan
Japan
Japan
Japan

(51) C22B 1/00
(11) EP3015558
(21) EP14818216.5
(47) 08.01.2020
(87) JP2014066581
31.12.2014
(22) 23.06.2014
(54) PRODUCTION METHOD FOR LOW-SULFUR IRON ORE
(73) Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)
(72) KUSAKA, Eishi
IIJIMA, Katsuyuki
FUJIURA, Takayasu
(31) 2013134905
(32) 27.06.2013
(33) Japan

(51) C22B 1/20
F27B 21/02
F27D 3/00
F27D 3/06
F27D 3/10
(11) EP3372936
(21) EP16862445.0
(47) 08.01.2020
(87) KR2016012592
11.05.2017
(22) 03.11.2016
(54) APPARATUS AND METHOD FOR CHARGING RAW MATERIAL
(73) Posco
(72) JEONG, Hae Kwon
CHO, Byung Kook
LEE, Seung Jin
JEONG, Eun Ho
SONG, Min Su
PARK, Jong In
(31) 20150156009
(32) 06.11.2015
(33) Korea (Republic)

(51) C22C 9/01
C22C 9/05
C22F 1/08
(11) EP3241919
(21) EP16001011.2
(47) 08.01.2020
(22) 04.05.2016
(54) COPPER ALUMINIUM MANGANESE ALLOY AND ITS USE
(73) Wieland-Werke AG
(72) Altenberger, Igor
Kuhn, Hans-Achim

(51) C22C 9/02
C22C 19/00
C22C 19/03
H01M 4/38
(11) EP2889936
(21) EP13833607.8
(47) 08.01.2020
(87) JP2013005061
06.03.2014
(22) 27.08.2013
(54) NEGATIVE ELECTRODE ACTIVE MATERIAL
(73) Nippon Steel Corporation
(72) YAMAMOTO, Sukeyoshi
NEGI, Noriyuki
NAGATA, Tatsuo
MORIGUCHI, Koji
YONEMURA, Mitsuharu
KAKESHITA, Tomoyuki
TERAI, Tomoyuki
FUKUDA, Takashi
(31) 2012186159
(32) 27.08.2012
(33) Japan

(51) C22C 21/00
C22C 21/06
C22F 1/04
C22F 1/047
(11) EP3137641
(21) EP15722847.9
(47) 08.01.2020
(87) US2015028583
05.11.2015
(22) 30.04.2015
(54) METHOD OF MANUFACTURING AN ALUMINUM CONTAINER MADE FROM ALUMINUM SHEET
(73) Alcoa USA Corp.
(72) ROUNS, Thomas N.
MCNEISH, David J.
BOYSEL, Darl G.
WILSON, Guy P.
MROZINSKI, Greg
CAPPS, Jean F.
GHADIALI, Neesha A.
COMBS, Samuel
MILLER, Christopher R.
DICK, Robert E.
(31) 201461986692 P
(32) 30.04.2014
(33) United States of America

(51) C22C 21/08
C22C 21/10
C22F 1/05
C22F 1/053
(11) EP3279350
(21) EP16182951.0
(47) 08.01.2020
(22) 05.08.2016
(54) METHOD FOR PRODUCING AN OBJECT MADE FROM A HARDENABLE ALUMINIUM ALLOY
(73) LKR Leichtmetallkompetenzzentrum Ranshofen GmbH
(72) KUMAR, Manoj

(51) C22C 21/10
C22F 1/053
(11) EP3475456
(21) EP17711493.1
(47) 08.01.2020
(87) US2017020610
07.09.2018
(22) 03.03.2017
(54) HIGH-STRENGTH, CORROSION RESISTANT ALUMINUM ALLOYS FOR USE AS FIN STOCK AND METHODS OF MAKING THE SAME
(73) Novelis, Inc.
(72) KADALI, Jyothi
SIMIELLI, Eider Alberto

(51) C22C 27/00
C22C 27/02
F01N 5/02
H01L 35/28
(11) EP3377661
(21) EP16791399.5
(47) 08.01.2020
(87) EP2016076777
26.05.2017
(22) 07.11.2016
(54) HALF-HEUSLER COMPOUNDS FOR USE IN THERMOELECTRIC GENERATORS
(73) Robert Bosch GmbH
(72) SAMSONIDZE, Georgy
KOZINSKY, Boris
(31) 201514943069
(32) 17.11.2015
(33) United States of America

(51) C22C 33/08
C22C 37/00
C22C 37/06
C22C 37/10
(11) EP2646589
(21) EP11845422.2
(47) 08.01.2020
(87) SE2011051441
07.06.2012
(22) 29.11.2011
(54) GREY IRON ALLOY AND BRAKE DISC CONTAINING GREY IRON ALLOY
(73) Scania CV AB
(72) SKOGLUND, Peter
ERHAV, Dan
STENFORS, Sven-Eric
TAMMINEN, Jarmo
WILBERFORS, Fredrik

THIBBLIN, Anders
HAMMERSTRÖM, Lars
(31) 1051276
(32) 02.12.2010
(33) Sweden

(51) C23C 14/00
C23C 14/08
C23C 14/34
C23C 14/35
H01J 37/34
(11) EP3019640
(21) EP14739679.0
(47) 08.01.2020
(87) EP2014001884
15.01.2015
(22) 09.07.2014
(54) TARGET FOR THE REACTIVE SPUTTER DEPOSITION OF ELECTRICALLY INSULATING LAYERS
(73) Oerlikon Surface Solutions AG, Pfäffikon
(72) HAGMANN, Juerg
KRASSNITZER, Siegfried
(31) 201361843998 P
(32) 09.07.2013
(33) United States of America

(51) C23C 14/06
C23C 14/34
C23C 16/26
C23C 28/04
(11) EP2443267
(21) EP09779834.2
(47) 08.01.2020
(87) EP2009057619
23.12.2010
(22) 18.06.2009
(54) PROTECTIVE COATING, A COATED MEMBER HAVING A PROTECTIVE COATING AS WELL AS METHOD FOR PRODUCING A PROTECTIVE COATING
(73) Oerlikon Surface Solutions AG, Pfäffikon
(72) VETTER, Jörg

(51) C23C 14/06
G02B 5/08
(11) EP2837958
(21) EP13776338.9
(47) 08.01.2020
(87) JP2013057878
17.10.2013
(22) 19.03.2013
(54) SOLAR REFLECTOR PLATE
(73) JFE Steel Corporation
(72) SASHI Kazumichi
OSHIGE Takahiko
ISHIKAWA Shin
SAKAMOTO Yoshihito
KUBOTA Takahiro
(31) 2012091286
(32) 12.04.2012
(33) Japan

(51) C23C 14/34
(11) EP3017081
(21) EP14736626.4
(47) 08.01.2020
(87) EP2014001783
08.01.2015
(22) 30.06.2014
(54) TARGET PREPARATION
(73) Oerlikon Surface Solutions AG, Pfäffikon
(72) KURAPOV, Denis
KRASSNITZER, Siegfried
(31) 102013011072
(32) 03.07.2013
(33) Germany

(51) C23C 14/34
H01J 37/32
H01J 37/34
(11) EP2963149
(21) EP14757281.2
(47) 08.01.2020
(87) JP2014053850
04.09.2014
(22) 19.02.2014
(54) PULSED SPUTTERING APPARATUS AND PULSED SPUTTERING METHOD
(73) Ayabo Corporation
(72) TSUKAMOTO, Keizo
(31) 2013038798
2013232926
(32) 28.02.2013
11.11.2013
(33) Japan
Japan

(51) C23C 14/56
C23C 16/54
(11) EP3256618
(21) EP16705476.6
(47) 08.01.2020
(87) EP2016053187
18.08.2016
(22) 15.02.2016
(54) METHOD FOR OPERATING AN INLINE COATING SYSTEM AND INLINE COATING SYSTEM
(73) Bühler Alzenau GmbH
(72) SCHREIBER, Udo
WEGENER, Ingo
TRUBE, Jutta
(31) 102015001706
(32) 13.02.2015
(33) Germany

(51) C23C 16/01
C23C 16/32
C23C 16/42
C30B 25/18
C30B 29/36
C30B 33/06
(11) EP3351660
(21) EP16846380.0
(47) 08.01.2020
(87) JP2016076538
23.03.2017
(22) 09.09.2016
(54) MANUFACTURING METHOD OF SIC COMPOSITE SUBSTRATE
(73) Shin-Etsu Chemical Co., Ltd.
CUSIC Inc.
(72) AKIYAMA Shoji
KUBOTA Yoshihiro
NAGASAWA Hiroyuki
(31) 2015181937
(32) 15.09.2015
(33) Japan

(51) C23C 22/05
F16D 65/00
F16D 65/14
(11) EP2224148
(21) EP10155021.8
(47) 08.01.2020
(22) 01.03.2010
(54) Disk brake
(73) Hitachi Automotive Systems, Ltd.
(72) Tsujimi, Shintaro
Nakane, Kiyokazu
(31) 2009047263
2010015650
(32) 27.02.2009
27.01.2010
(33) Japan
Japan

(51) C30B 11/00
C30B 29/12
G21K 4/00
(11) EP3377918
(21) EP16866752.5
(47) 08.01.2020
(87) SE2016051130
26.05.2017
(22) 16.11.2016
(54) SYSTEM AND METHOD FOR MELTING AND SOLIDIFICATION OF SCINTILLATING MATERIAL IN MICROMECHANICAL STRUCTURES
(73) Scint-X AB
(72) SAHLHOLM, Anna
SVENONIUS, Olof
(31) 201562256798 P
(32) 18.11.2015
(33) United States of America

(51) C30B 23/00
C30B 23/02
C30B 23/06
C30B 29/40
(11) EP2588651
(21) EP11738872.8
(47) 08.01.2020
(87) US2011042571
05.01.2012
(22) 30.06.2011
(54) GROWTH OF LARGE ALUMINUM NITRIDE SINGLE CRYSTALS WITH THERMAL-GRADIENT CONTROL
(73) Crystal Is, Inc.
(72) BONDOKOV, Robert, T.
RAO, Shailaja, P.
GIBB, Shawn, Robert
SCHOWALTER, Leo, J.
(31) 360142 P
(32) 30.06.2010
(33) United States of America

(51) C30B 23/02
C30B 25/02
C30B 29/40
C30B 33/06
H01G 9/20
H01L 21/02
H01M 4/04
H01M 4/88
(11) EP3430659
(21) EP17717085.9
(47) 08.01.2020
(87) EP2017056029
21.09.2017
(22) 14.03.2017

(54) METHOD FOR THE FABRICATION OF INDIUM-GALLIUM NITRIDE ELECTRODES FOR ELECTROCHEMICAL DEVICES
(73) Università degli Studi di Milano - Bicocca
(72) NOETZEL, Richard
SANGUINETTI, Stefano
(31) UA20161691
(32) 15.03.2016
(33) Italy

(51) D01D 5/253
D02G 3/44
D06N 7/00
E01C 13/08
(11) EP2427600
(21) EP09844308.8
(47) 08.01.2020
(87) FI2009050363
11.11.2010
(22) 06.05.2009
(54) PILE YARN FILAMENT FOR ARTIFICIAL TURF, ARTIFICIAL TURF COMPRISING SUCH FILAMENT, AND METHOD FOR MAKING SUCH FILAMENT
(73) Saltex Oy
(72) SALMENAUTIO, Hannu

(51) D01F 6/46
E01C 13/08
(11) EP3445901
(21) EP17716937.2
(47) 08.01.2020
(87) EP2017059184
26.10.2017
(22) 18.04.2017
(54) ARTIFICIAL TURF FIBER WITH LLDPE AND LDPE
(73) Polytex Sportbeläge Produktions-GmbH
(72) SICK, Stephan
SANDER, Dirk
JANSEN, Bernd
(31) 16165769
(32) 18.04.2016
(33) European Patent Office (EPO)

(51) D01F 9/12
D01F 9/32
D02J 13/00
H05B 6/10
H05B 6/44
(11) EP3114261
(21) EP15709412.9
(47) 08.01.2020
(87) EP2015000457
11.09.2015
(22) 27.02.2015
(54) HEATING APPARATUS FOR THE PRODUCTION OF CARBON FIBRES
(73) Clariant International Ltd
Linn High Therm GmbH
(72) DECKER, Daniel
WÖLKI, Michael
SCHWERDT, Phillip
LINN, Horst
LINN, Rudolf
KUNSTMANN, Jürgen
(31) 102014003126
(32) 03.03.2014
(33) Germany

(51) D01G 25/00
(11) EP3150753
(21) EP15187647.1
(47) 08.01.2020
(22) 30.09.2015
(54) APPARATUS FOR CONVEYING A FIBROUS WEB OR A NONWOVEN FABRIC
(73) Oskar Dilo Maschinenfabrik KG
(72) Dilo, Johann Philipp

(51) D03D 1/00
D03D 11/00
D21F 1/00
(11) EP2458048
(21) EP11191069.1
(47) 08.01.2020
(22) 29.11.2011
(54) Industrial two-layer fabric
(73) Nippon Filcon Co., Ltd
(72) Ueda Ikuo
(31) 2010267193
(32) 30.11.2010
(33) Japan

(51) D04B 1/12
D04B 1/14
D04B 21/14
F16J 15/08
F16J 15/22
(11) EP3346033
(21) EP17210134.7
(47) 08.01.2020
(22) 12.05.2016
(54) SINGLE-LAYER CERAMIC-BASED KNIT FABRIC FOR HIGH TEMPERATURE BULB SEALS
(73) The Boeing Company
(72) STEWART, Tiffany A.
HENRY, Christopher P.
CHAPPELL, Amoret M.
(31) 201514741138
(32) 16.06.2015
(33) United States of America

(51) D04B 3/02
(11) EP3485072
(21) EP18705359.0
(47) 08.01.2020
(87) EP2018053276
13.09.2018
(22) 09.02.2018
(54) SOCK KNITTING NEEDLE
(73) Rasch, Sylvia
(72) Rasch, Sylvia
(31) 202017001294 U
(32) 10.03.2017
(33) Germany

(51) D04B 7/04
D04B 15/06
(11) EP3165649
(21) EP16197050.4
(47) 08.01.2020
(22) 03.11.2016
(54) FLAT KNITTING MACHINE INCLUDING FIXED SINKERS
(73) SHIMA SEIKI MFG., LTD.
(72) MIYAI, Takuya
TOGUCHI, Hisatoshi
(31) 2015218212
(32) 06.11.2015
(33) Japan

(51) D04B 15/06
D04B 35/02
D04B 35/04
(11) EP3124664
(21) EP15179093.8
(47) 08.01.2020
(22) 30.07.2015
(54) LOOP-FORMING METHOD AND DEVICE
(73) Groz-Beckert KG
SANTONI S.p.A.
(72) ANDREOLI, Marco
RIZZI, Stefano
WOERNLE, Martin

(51) D04H 1/56
D04H 3/16
(11) EP3406780
(21) EP17172180.6
(47) 08.01.2020
(22) 22.05.2017
(54) ANNEALED MELTBLOWN NONWOVEN FABRIC WITH HIGH COMPRESSION HARDNESS
(73) Nickel, Axel
Jording, Norbert
(72) NICKEL, Axel
JORDING, Norbert

(51) D06F 23/04
D06F 37/12
D06F 37/26
D06F 37/30
D06F 39/08
(11) EP3272928
(21) EP15886099.9
(47) 08.01.2020
(87) CN2015095297
29.09.2016
(22) 23.11.2015
(54) CONTROL METHOD FOR AUTOMATICALLY POSITIONING OF INNER DRUM
(73) Qingdao Haier Washing Machine Co., Ltd.
(72) LV, Peishi
YANG, Lin
XU, Wenting
FANG, Dafeng
TIAN, Yun
SHAO, Mingyan
(31) 201510124293
(32) 20.03.2015
(33) China

(51) D06F 29/00
D06F 31/00
D06F 33/02
(11) EP3231926
(21) EP15868342.5
(47) 08.01.2020
(87) CN2015088594
16.06.2016
(22) 31.08.2015
(54) METHOD FOR CONTROLLING A DUAL-DRUM WASHING MACHINE
(73) Qingdao Haier Drum Washing Machine Co., Ltd.
(72) LI, Wenwei
WANG, Jinkai
WU, Jun
CHANG, Yuanyuan

(31) 201410772449
(32) 12.12.2014
(33) China

(51) D06F 33/02
(11) EP3450608
(21) EP18190842.7
(47) 08.01.2020
(22) 24.08.2018
(54) WASHING MACHINE AND CONTROL METHOD THEREOF
(73) Samsung Electronics Co., Ltd.
(72) PARK, Jung Ha
SEONG, Su Jin
PARK, Joo Yeon
LEE, Bo-Kyung
PYO, Sang Yeon
SEO, Ja Yeon
JUNG, Woo Kyung
HAN, Jeong Su
(31) 20170109282
20180017936
(32) 29.08.2017
13.02.2018
(33) Korea (Republic)
Korea (Republic)

(51) D06F 33/02
D06F 35/00
D06F 37/26
(11) EP3187640
(21) EP14900515.9
(47) 08.01.2020
(87) CN2014091141
03.03.2016
(22) 14.11.2014
(54) SUSPENDER DISENGAGEMENT DETECTION APPARATUS FOR WASHING MACHINE AND SAFE OPERATION METHOD FOR WASHING MACHINE
(73) Qingdao Haier Washing Machine Co., Ltd.
(72) LV, Peishi
XU, Sheng
LV, Yanfen
PENG, Xiuwen
(31) 201410437986
(32) 29.08.2014
(33) China

(51) D06F 33/02
D06F 35/00
D06F 39/04
D06F 39/08
(11) EP3077580
(21) EP14802689.1
(47) 08.01.2020
(87) EP2014075671
11.06.2015
(22) 26.11.2014
(54) METHOD FOR TREATING LAUNDRY WITH AN IMPROVED WETTING PHASE, AND WASHING MACHINE SUITABLE FOR THIS PURPOSE
(73) BSH Hausgeräte GmbH
(72) HEMPEL, Meike
LUBOSZ, Krzysztof
REDLIN, Kathrin
WEISSBACH, Steffen
(31) 102013225113
(32) 06.12.2013
(33) Germany

(51) D06F 33/02
D06F 39/02
(11) EP3192916
(21) EP16204929.0
(47) 08.01.2020
(22) 19.12.2016
(54) WASHING DEVICE
(73) Vestel Beyaz Esya Sanayi ve Ticaret A.S.
(72) BANI, Mustafa
SEZGIN, Seckin
(31) 201600573
(32) 14.01.2016
(33) Turkey

(51) D06F 37/04
D06F 37/06
D06F 37/26
D06F 58/02
(11) EP3234252
(21) EP15800836.7
(47) 08.01.2020
(87) EP2015077646
23.06.2016
(22) 25.11.2015
(54) DRUM OF LAUNDRY MACHINE WITH PERFORATED REAR WALL
(73) BSH Hausgeräte GmbH
(72) BAECKER, Vladimir
BACHE, Kai-Uwe
DREBANT, Alexander
(31) 102014225873
(32) 15.12.2014
(33) Germany

(51) D06F 37/42
D06F 39/14
E05B 47/02
(11) EP3224399
(21) EP15864191.0
(47) 08.01.2020
(87) CN2015095426
02.06.2016
(22) 24.11.2015
(54) DOOR LOCK AND UPPER COVER TYPE WASHING MACHINE
(73) Illinois Tool Works Inc.
(72) WANG, Yang
(31) 201410690463
(32) 25.11.2014
(33) China

(51) D06F 39/00
D06F 39/08
D06F 39/10
D06F 39/14
(11) EP3126559
(21) EP15712619.4
(47) 08.01.2020
(87) EP2015056576
08.10.2015
(22) 26.03.2015
(54) WASHING MACHINE WITH A DISCOLOURATION RESERVOIR AND METHOD FOR WASHING TEXTILES IN SUCH A WASHING MACHINE
(73) Henkel AG & Co. KGaA
(72) SPILL, Iwona
SCHMIEDEL, Peter
KROPF, Christian
HELLMUTH, Hendrik
ROGGE, Bent
(31) 102014206097
(32) 31.03.2014
(33) Germany

(51) D06F 39/00
H04L 12/12
H04L 12/28
(11) EP2748968
(21) EP12825863.9
(47) 08.01.2020
(87) KR2012006165
28.02.2013
(22) 02.08.2012
(54) ONLINE SYSTEM AND METHOD FOR USING THE SAME
(73) LG Electronics Inc.
(72) HA, Mikyung
(31) 20110083698
(32) 22.08.2011
(33) Korea (Republic)

(51) D06F 39/02
(11) EP2074251
(21) EP07802982.4
(47) 08.01.2020
(87) EP2007058965
27.03.2008
(22) 29.08.2007
(54) WATER-CONDUCTING DOMESTIC APPLIANCE COMPRISING A DETERGENT DOSING SYSTEM WITH FILL LEVEL DETECTION
(73) BSH Hausgeräte GmbH
(72) CLASSEN, Egbert
JERG, Helmut
(31) 102006043973
(32) 19.09.2006
(33) Germany

(51) D06F 39/12
D06F 58/04
D06F 58/20
(11) EP2829653
(21) EP14154320.7
(47) 08.01.2020
(22) 07.02.2014
(54) Laundry drying apparatus
(73) LG Electronics Inc.
(72) Bae, Sanghun
Cho, Hongjun
(31) 20130083684
(32) 16.07.2013
(33) Korea (Republic)

(51) D06F 58/02
D06F 58/20
D06F 58/28
(11) EP2927362
(21) EP15161999.6
(47) 08.01.2020
(22) 27.09.2011
(54) CLOTHES TREATING APPARATUS WITH HEAT PUMP AND OPERATING METHOD THEREOF
(73) LG Electronics, Inc.
(72) Lee, Hyuksoo
Ye, Sungmin
Kim, Seonghwan
(31) 20100095492
(32) 30.09.2010

(33) Korea (Republic)

(51) D06F 58/10
D06F 58/26
(11) EP3433412
(21) EP17717630.2
(47) 08.01.2020
(87) EP2017056737
28.09.2017
(22) 21.03.2017
(54) CLOTHES DRYER AND METHOD OF DRYING CLOTHES
(73) Maikology Designated Activity Company
(72) MANGAN, Patricia
KEOGH, Colin
TOOMEY, Sean
(31) 16161410
(32) 21.03.2016
(33) European Patent Office (EPO)

(51) D06F 58/20
D06F 58/22
D06F 58/24
D06F 58/28
(11) EP3405610
(21) EP16781825.1
(47) 08.01.2020
(87) EP2016074868
27.07.2017
(22) 17.10.2016
(54) METHOD FOR OPERATING A DRYER WITH A HEAT PUMP AND FLUSHING OF A HEAT EXCHANGER AND DRYER
(73) BSH Hausgeräte GmbH
(72) BÖMMELS, Ralf
SIMON, Marcus
(31) 102016200845
(32) 21.01.2016
(33) Germany

(51) D06F 58/20
D06F 58/26
D06F 58/28
(11) EP3199690
(21) EP15861406.5
(47) 08.01.2020
(87) KR2015012487
26.05.2016
(22) 19.11.2015
(54) DRYER
(73) Samsung Electronics Co., Ltd.
(72) WAKIZAKA, Eiji
KITAMURA, Susumu
KITAYAMA, Naoki
SHIMADA, Tatsushi
(31) 2014234272
2014234347
2014234436
2015124120
20150161873
(32) 19.11.2014
19.11.2014
19.11.2014
19.06.2015
18.11.2015
(33) Japan
Japan
Japan
Japan
Korea (Republic)

(51) D06F 58/20
D06F 58/28
(11) EP2420613
(21) EP10764685.3
(47) 08.01.2020
(87) KR2010002379
21.10.2010
(22) 16.04.2010
(54) OPERATING METHOD FOR LAUNDRY EQUIPMENT INCLUDING A SCENT SUPPLY MODULE
(73) LG Electronics Inc.
(72) BAE, Sang-Hun
SONG, Sung-Ho
KIM, Min-Ji
JIN, Yong-Cheol
(31) 20090033839
20090033842
20090033847
20090033849
(32) 17.04.2009
17.04.2009
17.04.2009
17.04.2009
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) D06F 75/12
(11) EP3258005
(21) EP16177424.5
(47) 08.01.2020
(22) 01.07.2016
(54) ELECTRIC STEAM IRON
(73) Liao, Guocheng
(72) Liao, Guocheng
(31) 202016103208 U
(32) 16.06.2016
(33) Germany

(51) D21C 9/00
D21D 1/06
D21D 1/20
D21D 1/26
D21H 11/18
(11) EP3341523
(21) EP16838645.6
(47) 08.01.2020
(87) IB2016055021
02.03.2017
(22) 23.08.2016
(54) METHOD AND APPARATUS FOR PRODUCING MICROFIBRILLATED CELLULOSE FIBER
(73) Stora Enso Oyj
(72) HEISKANEN, Isto
KASTINEN, Henri
AXRUP, Lars
PÖLLÄNEN, Saija
KORHONEN, Jani
SUHONEN, Petri
TIAINEN, Teemu
VÄKEVÄINEN, Matti
(31) 1551119
(32) 27.08.2015
(33) Sweden

(51) D21C 9/147
(11) EP3380667
(21) EP16868982.6
(47) 08.01.2020
(87) SE2016051128
01.06.2017
(22) 16.11.2016
(54) METHOD AND SYSTEM FOR OXYGEN DELIGNIFICATION OF CELLULOSE PULP
(73) VALMET AB
(72) DAHLLÖF, Håkan
(31) 1551539
(32) 27.11.2015
(33) Sweden

(51) E01F 13/02
E04H 17/00
(11) EP3426845
(21) EP17708308.6
(47) 08.01.2020
(87) GB2017050468
14.09.2017
(22) 23.02.2017
(54) BARRIER
(73) Oxford Plastic Systems Limited
(72) WHITELEY, Christopher James
(31) 201604033
(32) 09.03.2016
(33) United Kingdom

(51) E01F 15/04
E01F 15/14
(11) EP3323943
(21) EP17202049.7
(47) 08.01.2020
(22) 16.11.2017
(54) STRIP SYSTEM
(73) RiMO Germany GmbH & Co. KG
(72) Klassen, Dietrich
(31) 102016122150
(32) 17.11.2016
(33) Germany

(51) E01H 1/08
(11) EP3380675
(21) EP16809960.4
(47) 08.01.2020
(87) FR2016052842
01.06.2017
(22) 03.11.2016
(54) PORTABLE ELECTRIC BLOWER WITH LOW REACTION TORQUE
(73) PELLENC
(72) PELLENC, Roger
(31) 1561341
(32) 25.11.2015
(33) France

(51) E02B 3/12
E02D 17/20
E04C 5/04
E04C 5/07
(11) EP3431666
(21) EP18182964.9
(47) 08.01.2020
(22) 11.07.2018
(54) GRID FOR STRUCTURAL REINFORCEMENT
(73) Plastiron SRLS
(72) Calligaris, Stefano
Orlando, Luigino
(31) 201700080359
(32) 17.07.2017
(33) Italy

(51) E02D 3/12
E02D 17/13
E02F 3/20
E02F 3/24
(11) EP2369063
(21) EP11159712.6
(47) 08.01.2020
(22) 25.03.2011
(54) Drilling and mixing tool comprising a drum with separate teeth
(73) Soletanche Freyssinet
(72) COUDRY, Michel
BOULADE, Pascal
(31) 1052215
(32) 26.03.2010
(33) France

(51) E02D 5/76
(11) EP3321423
(21) EP16198175.8
(47) 08.01.2020
(22) 10.11.2016
(54) ANCHOR ARRANGEMENT IN THE GROUND, GROUND ANCHOR AND PROCEDURE FOR ANCHORING.
(73) BAUER Spezialtiefbau GmbH
(72) WIEDENMANN, Ulli
MAIR, Josef

(51) E02D 7/06
(11) EP3485098
(21) EP17749529.8
(47) 08.01.2020
(87) IB2017054166
18.01.2018
(22) 11.07.2017
(54) PILE DRIVING VEHICLE
(73) Nordwind S.r.l.
(72) CANTERI, Renato
(31) 201600072862
(32) 12.07.2016
(33) Italy

(51) E02D 27/42
(11) EP3417114
(21) EP17705952.4
(47) 08.01.2020
(87) IB2017000064
24.08.2017
(22) 01.02.2017
(54) FOUNDATION FOR A WIND MILL
(73) Holcim Technology Ltd
(72) SCHULDT, Christian
STECHER, Arne
(31) 882016
(32) 18.02.2016
(33) Austria

(51) E02F 3/43
E02F 9/26
G05B 19/416
(11) EP3382104
(21) EP17204294.7
(47) 08.01.2020
(22) 29.11.2017
(54) WORK MACHINE
(73) Hitachi Construction Machinery Co., Ltd.
(72) HITA, Masafumi
SHIBATA, Kouichi
(31) 2017069582
(32) 31.03.2017
(33) Japan

(51) E02F 9/00
E02F 9/12
H02K 5/20
H02K 9/18
F16H 57/04
(11) EP2645543
(21) EP11842761.6
(47) 08.01.2020
(87) JP2011006405
31.05.2012
(22) 17.11.2011
(54) DRIVE APPARATUS AND CONSTRUCTION MACHINE PROVIDED WITH SAME
(73) Kobelco Construction Machinery Co., Ltd.
(72) TERAUCHI, Kenichi
HAMASAKI, Masatsugu
(31) 2010260303
(32) 22.11.2010
(33) Japan

(51) E02F 9/00
F01N 3/02
F01N 3/023
F01N 3/025
F01N 3/029
F02D 41/38
F02D 41/40
(11) EP3124762
(21) EP15769772.3
(47) 08.01.2020
(87) JP2015056658
01.10.2015
(22) 06.03.2015
(54) ENGINE DEVICE
(73) Yanmar Co., Ltd.
(72) SHIOMI Hideo
HORI Taiki
(31) 2014062619
2014062620
(32) 25.03.2014
25.03.2014
(33) Japan
Japan

(51) E02F 9/20
E02F 9/26
G07C 5/08
G06Q 10/04
G06Q 50/08
G06Q 50/10
(11) EP2966612
(21) EP14760739.4
(47) 08.01.2020
(87) JP2014056030
12.09.2014
(22) 07.03.2014
(54) MANAGEMENT SERVER FOR WORK MACHINE AND MANAGEMENT METHOD FOR WORK MACHINE
(73) Hitachi Construction Machinery Co., Ltd.
(72) ADACHI, Hiroyuki
OTA, Kenji
SEKI, Kouji
SEKI, Kunio
ONOSE, Hiroshi
ABE, Satoshi
KUBOTA, Kazuki
(31) 2013046916
(32) 08.03.2013
(33) Japan

(51) E02F 9/22
F16H 61/4052
F16H 61/4183
(11) EP3449158
(21) EP17720071.4
(47) 08.01.2020
(87) EP2017059758
02.11.2017
(22) 25.04.2017
(54) HYDRAULIC SYSTEM
(73) Volvo Truck Corporation
(72) MÜLLER, Daniel
(31) PCT/SE2016/050374
(32) 28.04.2016
(33) World Intellectual Property Office (WIPO)

(51) E02F 9/26
(11) EP3132098
(21) EP15716786.7
(47) 08.01.2020
(87) EP2015058144
22.10.2015
(22) 15.04.2015
(54) INPUT CONTROL METHOD OF TOUCH PANEL MONITOR FOR WORKING MACHINE
(73) Caterpillar SARL
(72) YAMADA, Hideo
(31) 2014084681
(32) 16.04.2014
(33) Japan

(51) E03C 1/084
(11) EP3350378
(21) EP16766487.9
(47) 08.01.2020
(87) EP2016001559
23.03.2017
(22) 16.09.2016
(54) FLOW REGULATOR
(73) Neoperl GmbH
(72) BIRMELIN, David
(31) 202015006618 U
(32) 18.09.2015
(33) Germany

(51) E03D 9/08
(11) EP3434838
(21) EP18184129.7
(47) 08.01.2020
(22) 18.07.2018
(54) SANITARY CLEANING DEVICE
(73) TOTO LTD.
(72) YAMASAKI, Kota
AMEMORI, Hiroaki
SUZUKI, Kenta
SAWA, Shonosuke
SAKUMOTO, Nobutake
(31) 2017143631
(32) 25.07.2017
(33) Japan

(51) E03D 9/08
E03D 11/08
E03D 11/13
(11) EP3168378
(21) EP16197978.6
(47) 08.01.2020
(22) 09.11.2016

(54) FLUSH TOILET
(73) Toto Ltd.
(72) MIZOGUCHI, Kazuyoshi
YAMAKAWA, Satoshi
KITAMURA, Masaki
KASHIRAJIMA, Shu
(31) 2015221915
(32) 12.11.2015
(33) Japan

(51) E03D 11/06
E03D 11/08
(11) EP2886729
(21) EP14193897.7
(47) 08.01.2020
(22) 19.11.2014
(54) Toilet pan and toilet
(73) Villeroy & Boch AG
(72) Kilpeläinen, Kari
(31) 102013114514
102014104500
(32) 19.12.2013
31.03.2014
(33) Germany
Germany

(51) E03F 1/00
(11) EP2980328
(21) EP14179427.1
(47) 08.01.2020
(22) 01.08.2014
(54) Seepage block element, seepage block and transport unit
(73) Otto Graf GmbH Kunststofferzeugnisse

(51) E03F 5/04
(11) EP3225757
(21) EP17163108.8
(47) 08.01.2020
(22) 27.03.2017
(54) DRAINING ASSEMBLY WITH HORIZONTAL OUTLET FOR SANITARY APPLIANCE
(73) VALENTIN
(72) VALENTIN, Jean-Bernard
SINOQUET, Régis
(31) 1670136
(32) 29.03.2016
(33) France

(51) E03F 5/04
(11) EP2252743
(21) EP09707752.3
(47) 08.01.2020
(87) NL2009000028
13.08.2009
(22) 09.02.2009
(54) SIPHON CONSTRUCTION
(73) I-Drains Productions B.V.
(72) BIERINGS, Martinus Franciscus Petrus Joseph
(31) 1035003
(32) 08.02.2008
(33) Netherlands

(51) E03F 5/22
F04D 9/00
F04D 13/16
F04D 29/42
(11) EP3405677
(21) EP17700799.4
(47) 08.01.2020
(87) EP2017050485
27.07.2017
(22) 11.01.2017
(54) VENTING DEVICE FOR PUMP IN A CONTAINER
(73) KSB SE & Co. KGaA
(72) SCHUNK, Axel
JUNG, Patrick
(31) 102016200910
(32) 22.01.2016
(33) Germany

(51) E04B 1/34
E04B 1/38
E04B 1/98
E04H 9/02
(11) EP3379002
(21) EP17833220.1
(47) 08.01.2020
(87) CN2017078698
01.02.2018
(22) 30.03.2017
(54) FLEXIBLE HANGING TYPE MODULE BUILDING STRUCTURE
(73) Southeast University
(72) WU, Gang
YE, Zhihang
WANG, Chunlin
(31) 201610596905
(32) 26.07.2016
(33) China

(51) E04B 1/61
E05B 65/08
F25D 23/06
(11) EP2899482
(21) EP15152159.8
(47) 08.01.2020
(22) 22.01.2015
(54) Panel fastener
(73) Kason Industries, Inc.
(72) Finkelstein, Burl M.
(31) 201414162988
(32) 24.01.2014
(33) United States of America

(51) E04B 1/74
E04B 1/80
F24F 5/00
(11) EP3329061
(21) EP16766362.4
(47) 08.01.2020
(87) IB2016054457
02.02.2017
(22) 26.07.2016
(54) A COMPOSITE STRUCTURE
(73) Ghisellini, Roberto
(72) Ghisellini, Roberto
(31) UB20152620
(32) 30.07.2015
(33) Italy

(51) E04B 5/38
E04B 5/48
E04G 15/06
(11) EP3249128
(21) EP17160144.6
(47) 08.01.2020
(22) 09.03.2017
(54) PRE-SLAB WITH MEANS FOR MARKING SLEEVE PATHS AND ASSOCIATED MANUFACTURING METHOD
(73) KP1
(72) ABRIC, Laurent
BENOIT, Yuraïma
MAHE, Benjamin
GARCIA, Richard
HAOUR, Thierry
ESTEVENIN, Eric
(31) 1654762
(32) 27.05.2016
(33) France

(51) E04B 5/48
E04B 9/00
G05D 23/00
H05K 7/14
H05K 7/20
F24F 11/00
F24F 11/30
(11) EP3164644
(21) EP15747263.0
(47) 08.01.2020
(87) US2015038717
07.01.2016
(22) 01.07.2015
(54) GAS DISTRIBUTION SYSTEM WITHIN TEMPERATURE DIFFERENTIATED ENVIRONMENTS
(73) Microsoft Technology Licensing, LLC
(72) JAMES, Sean
BELADY, Christian L.
GILGES, Stephan W.
SANKAR, Sriram
SIEGLER, John
ANDERSEN, Brian
PETERSON, Eric C.
SCHROEDER, J. Darrin
(31) 201414322909
(32) 02.07.2014
(33) United States of America

(51) E04B 7/16
E04F 10/10
E06B 7/092
E06B 7/096
(11) EP3443177
(21) EP17722097.7
(47) 08.01.2020
(87) FR2017050877
19.10.2017
(22) 12.04.2017
(54) APPARATUS FOR COVERING AND UNCOVERING A SURFACE USING COUPLED SELF-PROPELLED ADJUSTABLE SLATS
(73) Biossun
(72) BYSZENSKI, Alexandre
FORETTI, Frédéric
(31) 1653199
(32) 12.04.2016
(33) France

(51) E04D 5/10
E04D 5/12
E04D 7/00
(11) EP3164554
(21) EP15732722.2
(47) 08.01.2020
(87) EP2015064983
07.01.2016

(22) 01.07.2015
(54) ROOF COATING SYSTEM
(73) Amberger Kaolinwerke Eduard Kick GmbH & Co. KG
(72) HOFMANN, Hans-Jürgen
KOHL, Christian
(31) 14175155
(32) 01.07.2014
(33) European Patent Office (EPO)

(51) E04D 11/00
A01G 31/00
(11) EP2227080
(21) EP08853932.5
(47) 08.01.2020
(87) FR2008052001
04.06.2009
(22) 05.11.2008
(54) CULTIVATION SUBSTRATE WITH INTEGRATED IRRIGATION
(73) Vertige International
(72) DEMGUILHEM, Stéphane
(31) 0707764
(32) 05.11.2007
(33) France

(51) E04F 10/06
E06B 9/42
(11) EP3392446
(21) EP17000679.5
(47) 08.01.2020
(22) 21.04.2017
(54) HORIZONTAL BEAM FOR A VERTICAL SHADING WITH MOVABLE BEARING AND WITH AN INTERMEDIATE SUPPORT
(73) weinor GmbH & Co. KG
(72) Stawski, Karl-Heinz

(51) E04F 10/06
E06B 9/42
(11) EP3392425
(21) EP17000680.3
(47) 08.01.2020
(22) 21.04.2017
(54) HORIZONTAL SUPPORT WITH VERTICAL SHADING AND ADJUSTABLE SUPPORT
(73) Weinor GmbH & Co. KG
(72) Stawski, Karl-Heinz

(51) E04F 10/10
E06B 7/086
H02K 5/10
H02K 5/22
H02K 7/00
H02K 7/06
H02K 7/116
H02K 11/33
(11) EP3429065
(21) EP18182445.9
(47) 08.01.2020
(22) 09.07.2018
(54) SCREENING DEVICE WITH ADJUSTABLE SLATS
(73) Topp Srl a socio unico
(72) STEFANOU, Ath. Theodoros
CAVALCANTE, Toni
(31) 201700079738
(32) 14.07.2017
(33) Italy

(51) E04F 15/02
(11) EP3224426
(21) EP15801405.0
(47) 08.01.2020
(87) EP2015077754
02.06.2016
(22) 26.11.2015
(54) LOCKABLE CONNECTION MEANS AND METHOD OF USING IT
(73) NMC S.A.
(72) ORTMANN, Kevin
MAYERES, Jean-Pierre
(31) 201405087
102015203274
(32) 26.11.2014
24.02.2015
(33) Belgium
Germany

(51) E04H 4/12
E04H 4/16
(11) EP3323963
(21) EP17203085.0
(47) 08.01.2020
(22) 22.11.2017
(54) SELF-PROPELLED ROBOTIC POOL CLEANER
(73) Aqua Products, Inc.
(72) Durvasula, Kameshwar
Hanan, Ethan
Meletta, Anthony
Londono, William
Kelbanov, Aleksandr
(31) 201662425411 P
201715819765
(32) 22.11.2016
21.11.2017
(33) United States of America
United States of America

(51) E04H 6/28
(11) EP3441546
(21) EP18183594.3
(47) 08.01.2020
(22) 16.07.2018
(54) MOVEMENT SYSTEM OF THE ROTARY TYPE FOR VEHICLES
(73) Sotefin Patents SA
(72) VALLI, Giovanni
(31) 201700093594
(32) 11.08.2017
(33) Italy

(51) E05B 3/00
E05B 7/00
E05B 9/08
E05C 9/04
(11) EP3234289
(21) EP15816644.7
(47) 08.01.2020
(87) DE2015100490
23.06.2016
(22) 16.11.2015
(54) ACTUATOR FOR A SWITCHBOARD CABINET DOOR
(73) Rittal GmbH & Co. KG
(72) BRÜCK, Daniel
HOLIGHAUS, Heiko
(31) 102014118990
(32) 18.12.2014
(33) Germany

(51) E05B 3/00
E05B 53/00
E05C 9/02
E05C 9/04
(11) EP3161229
(21) EP15732413.8
(47) 08.01.2020
(87) IB2015054007
30.12.2015
(22) 28.05.2015
(54) HANDLE FOR DOORS OR WINDOWS
(73) GIESSE S.P.A.
(72) LAMBERTINI, Marco
(31) BO20140352
(32) 27.06.2014
(33) Italy

(51) E05B 13/00
E05B 55/00
E05B 59/00
(11) EP3423651
(21) EP17707899.5
(47) 08.01.2020
(87) EP2017054794
08.09.2017
(22) 01.03.2017
(54) LOCK FOR A REBATED DOOR
(73) Bonaiti Serrature S.p.a.
(72) ASCHIERI, Giovanni
(31) UB20161253
(32) 02.03.2016
(33) Italy

(51) E05B 13/10
E05B 17/00
E05C 3/04
F25D 23/02
(11) EP3339779
(21) EP16857300.4
(47) 08.01.2020
(87) JP2016079736
27.04.2017
(22) 06.10.2016
(54) HANDLE AND FREEZER
(73) PHC Holdings Corporation
(72) OKADA, Tadashi
MORI, Eiichi
(31) 2015206700
(32) 20.10.2015
(33) Japan

(51) E05B 15/00
E05B 15/10
E05B 63/00
E05C 3/00
E05C 3/04
E05C 3/12
F16H 25/14
(11) EP2771527
(21) EP12843213.5
(47) 08.01.2020
(87) US2012045595
02.05.2013
(22) 05.07.2012
(54) CAM STYLE LOCKS AND SYSTEMS AND METHODS INCLUDING THE SAME
(73) DIRTT ENVIRONMENTAL SOLUTIONS, LTD.
(72) GOSLING, Geoff
SMED, Mogens F.
BROWN, Thomas A.

(31) 201161551055 P
(32) 25.10.2011
(33) United States of America

(51) E05B 15/00
E05B 47/00
E05B 47/06
(11) EP3480395
(21) EP17199658.0
(47) 08.01.2020
(22) 02.11.2017
(54) ELECTROMECHANICAL LOCK
(73) iLOQ Oy
(72) Piirainen, Mika
Arvola, Mauri

(51) E05B 15/08
E05B 19/00
E05B 27/00
(11) EP3371394
(21) EP16791563.6
(47) 08.01.2020
(87) EP2016076429
11.05.2017
(22) 02.11.2016
(54) A SET OF PROFILE MEMBERS IN COMBINATION WITH A KEY PLUG, A METHOD TO MANUFACTURE SUCH A KEY PLUG AND A COMBINATION ALSO INCLUDING AN ASSOCIATED KEY
(73) Winloc AG
(72) WIDÉN, Bo
(31) 1551438
(32) 06.11.2015
(33) Sweden

(51) E05B 17/10
E05B 19/00
E05B 37/00
E05B 37/02
E05B 67/06
(11) EP3414413
(21) EP17706091.0
(47) 08.01.2020
(87) US2017017148
17.08.2017
(22) 09.02.2017
(54) LOCKABLE ENCLOSURE WITH COMBINATION LOCKING MECHANISM
(73) Master Lock Company LLC
(72) SANFORD, Eric
(31) 201662294480 P
(32) 12.02.2016
(33) United States of America

(51) E05B 17/20
E05B 65/08
E05C 9/18
E05D 15/56
(11) EP3443185
(21) EP17713936.7
(47) 08.01.2020
(87) EP2017057233
19.10.2017
(22) 28.03.2017
(54) FITTING FOR TWO AT LEAST LIFTABLE AND SLIDABLE SASHES OF WINDOWS OR DOORS
(73) Siegenia-Aubi KG
(72) COSTER, Markus
(31) 202016002366 U
(32) 15.04.2016
(33) Germany

(51) E05B 49/00
H04Q 9/00
B60R 25/24
(11) EP3373592
(21) EP16861811.4
(47) 08.01.2020
(87) JP2016071459
11.05.2017
(22) 21.07.2016
(54) PORTABLE TERMINAL DEVICE AUTHENTICATION SYSTEM AND IN-VEHICLE DEVICE
(73) Honda Lock MFG. Co., Ltd.
(72) MATSUDA Takayuki
TOMINAGA Kazunobu
(31) 2015217678
(32) 05.11.2015
(33) Japan

(51) E05B 49/02
E05B 57/00
E05B 61/00
(11) EP3262257
(21) EP15883625.4
(47) 08.01.2020
(87) US2015057773
01.09.2016
(22) 28.10.2015
(54) UNIVERSAL LOCK WITH SLIDING BLOCKING MECHANISM
(73) MG Tech Center BV h.o.d.n. Lock Technology
(72) Gartner, Klaus W.
(31) PCT/US2015/017092
(32) 23.02.2015
(33) World Intellectual Property Office (WIPO)

(51) E05B 55/06
E05B 55/12
E05B 59/00
(11) EP3423650
(21) EP17707900.1
(47) 08.01.2020
(87) EP2017054802
08.09.2017
(22) 01.03.2017
(54) LOCK FOR A REBATED DOOR
(73) Bonaiti Serrature S.p.a.
(72) ASCHIERI, Giovanni
(31) UB20161254
(32) 02.03.2016
(33) Italy

(51) E05B 77/26
E05B 81/14
E05B 81/20
E05B 81/66
(11) EP3303742
(21) EP16736774.7
(47) 08.01.2020
(87) DE2016100214
08.12.2016
(22) 11.05.2016
(54) METHOD OF DRIVING A VEHICLE DOOR LOCK
(73) Kiekert AG
(72) BARMSCHEIDT, Christian
(31) 102015108739
(32) 02.06.2015
(33) Germany

(51) E05B 77/36
E05B 85/26
(11) EP3321456
(21) EP17200990.4
(47) 08.01.2020
(22) 10.11.2017
(54) MOTOR VEHICLE LOCK
(73) Brose Schliesssysteme GmbH & Co. KG
(72) Schmidt, Tatjana
Graute, Ludger
Gülkan, Serkan
(31) 202016106308 U
(32) 10.11.2016
(33) Germany

(51) E05B 79/20
E05B 81/90
E05B 85/16
(11) EP3423655
(21) EP17717617.9
(47) 08.01.2020
(87) DE2017100161
08.09.2017
(22) 01.03.2017
(54) DEVICE FOR OPENING A DOOR OR FLAP ON A MOTOR VEHICLE
(73) Kiekert AG
(72) BENDEL, Thorsten
(31) 102016103926
(32) 04.03.2016
(33) Germany

(51) E05C 3/26
E05B 85/24
E05B 85/26
(11) EP3363975
(21) EP18156944.3
(47) 08.01.2020
(22) 15.02.2018
(54) LATCH-TYPE CLOSING DEVICE
(73) Ur'ben
(72) GOMES, Pascal
(31) 1751263
(32) 16.02.2017
(33) France

(51) E05C 9/06
E05C 17/04
E05D 15/52
(11) EP3426871
(21) EP17708178.3
(47) 08.01.2020
(87) EP2017053480
14.09.2017
(22) 16.02.2017
(54) OPENING DEVICE
(73) Siegenia-Aubi KG
(72) DAUB, Carsten
STÜNN, Christoph
(31) 202016001421 U
(32) 07.03.2016
(33) Germany

(51) E05D 5/06
E05D 7/04
(11) EP3321458
(21) EP17200140.6
(47) 08.01.2020
(22) 06.11.2017

(54) A HINGE ARRANGEMENT, IN PARTICULAR A HIDDEN HINGE ARRANGEMENT
(73) WALA Spolka. z o.o.
(72) J DRUSIK, Adrian
WALA, Ireneusz
(31) 41944916
(32) 14.11.2016
(33) Poland

(51) E05D 7/04
E05D 15/52
(11) EP2740872
(21) EP13193961.3
(47) 08.01.2020
(22) 22.11.2013
(54) CORNER BEARING FOR CONCEALED ASSEMBLY
(73) Aug. Winkhaus GmbH & Co. KG
(72) Oeltjebruns, Henning
(31) 102012222210
(32) 04.12.2012
(33) Germany

(51) E05D 7/10
F16G 3/02
F16G 3/08
(11) EP3090193
(21) EP13799029.7
(47) 08.01.2020
(87) EP2013075097
04.06.2015
(22) 29.11.2013
(54) CLOSURE DEVICE BETWEEN TWO ENDS OF TWO OR MORE PARTS TO BE CONNECTED
(73) ARS Meccanica Dolomiti GmbH
(72) CHISTÈ, Aldo

(51) E05D 15/10
(11) EP3420166
(21) EP17700350.6
(47) 08.01.2020
(87) EP2017050618
31.08.2017
(22) 13.01.2017
(54) LIFT-OUT PROTECTION DEVICE FOR A LEAF, WHICH CAN BE MOVED IN A PARALLEL MANNER, IN THE FORM OF A SLIDING AND TILTING LEAF OR A SLIDING LEAF
(73) Siegenia-Aubi KG
(72) BERENS, Wolfgang
EIFEL, Andreas
(31) 202016001162 U
(32) 22.02.2016
(33) Germany

(51) E05F 3/10
(11) EP3099877
(21) EP15708290.0
(47) 08.01.2020
(87) IB2015050603
30.07.2015
(22) 27.01.2015
(54) LOW-BULKINESS HYDRAULIC HINGE
(73) In & Tec S.r.l.
(72) BACCHETTI, Luciano
(31) VI20140021
(32) 27.01.2014
(33) Italy

(51) E05F 3/22
(11) EP2507460
(21) EP10784717.0
(47) 08.01.2020
(87) EP2010007251
09.06.2011
(22) 30.11.2010
(54) DOOR CLOSER WITH DEVICE TO AVOID A SPRINGBACK
(73) dormakaba Deutschland GmbH
(72) BIENEK, Volker
WIEMANN, Sabine
PABST, Thomas
(31) 102009056265
102010013853
(32) 01.12.2009
01.04.2010
(33) Germany
Germany

(51) E06B 1/52
E06B 5/16
(11) EP2754841
(21) EP14151141.0
(47) 08.01.2020
(22) 14.01.2014
(54) FIRE RETARDANT GLAZING WITH WOODEN DOOR
(73) Holzbau Schmid GmbH & Co. KG
(72) Schmid, Claus
(31) 202013100184 U
(32) 14.01.2013
(33) Germany

(51) E06B 3/22
E06B 3/36
E06B 7/23
(11) EP2929119
(21) EP13789297.2
(47) 08.01.2020
(87) EP2013073414
15.05.2014
(22) 08.11.2013
(54) PLASTIC WINDOW
(73) Drutex S.a.
(72) GIERSZEWSKI, Leszek
(31) 11982012
(32) 09.11.2012
(33) Austria

(51) E06B 3/66
E06B 3/673
E06B 3/677
(11) EP3337944
(21) EP16836692.0
(47) 08.01.2020
(87) DK2016050282
23.02.2017
(22) 22.08.2016
(54) EVACUATION HEAD WITH CERAMIC HEATER FOR VIG UNIT MANUFACTURE
(73) VKR Holding A/S
(72) SØNDERKÆR, Peter
MIKKELSEN, Thomas Sejer
(31) 201500488
(32) 20.08.2015
(33) Denmark

(51) E06B 3/86
(11) EP3508678
(21) EP18151267.4
(47) 08.01.2020
(22) 11.01.2018
(54) DOOR PANEL
(73) Nan Ya Plastics Corporation
(72) WANG Kuei-Yung
(31) 201815863145
(32) 05.01.2018
(33) United States of America

(51) E06B 9/17
(11) EP3511511
(21) EP18020026.3
(47) 08.01.2020
(22) 16.01.2018
(54) ASSEMBLY KIT FOR A BUILDING OPENING SHADING DEVICE
(73) ROMA KG
(72) Jutzi, Stefan

(51) E06B 9/171
E06B 9/174
E06B 9/58
E06B 9/68
E06B 9/72
(11) EP3441553
(21) EP18182563.9
(47) 08.01.2020
(22) 10.07.2018
(54) POWER UNIT FOR A ROLLER SHUTTER, IN PARTICULAR ROLLER SHUTTER WITH SLATS
(73) FAKRO PP Sp. z o.o.
(72) Jeczmyk, Tomasz
Kasinski, Boguslaw
Lorek, Michal
(31) 42245817
(32) 07.08.2017
(33) Poland

(51) E06B 9/24
E06B 9/262
E06B 9/264
E06B 9/52
E06B 9/54
(11) EP3266974
(21) EP17173783.6
(47) 08.01.2020
(22) 31.05.2017
(54) PROTECTION DEVICE, IN PARTICULAR AS DEVICE PROVIDING PROTECTION AGAINST INSECTS
(73) M.A.C.'s HOLDING GmbH
(31) 202016103425 U
(32) 28.06.2016
(33) Germany

(51) E06B 9/88
G05B 19/042
E05F 15/00
(11) EP2616890
(21) EP11769932.2
(47) 08.01.2020
(87) IB2011054032
22.03.2012
(22) 15.09.2011
(54) EXTRA-FLAT STAND-ALONE COMMUNICATING SENSOR
(73) SOMFY ACTIVITES SA
(72) ROUSSEAU, Fabien
RAMUS, Michel
BECHEVET, Delphine
LOUHICHI, Omar

(31) 1057376
(32) 15.09.2010
(33) France

(51) E06C 7/18
E06C 9/02
(11) EP3234295
(21) EP15868692.3
(47) 08.01.2020
(87) AU2015050749
23.06.2016
(22) 27.11.2015
(54) A VERTICALLY ORIENTATED LADDER APPARATUS FOR ALLOWING A CLIMBER TO ADOPT AN IMPROVED CLIMBING STANCE IN USE
(73) Roddenby, Glenn
(72) Roddenby, Glenn
(31) 2014905077
2015900904
(32) 15.12.2014
13.03.2015
(33) Australia
Australia

(51) E21B 4/06
E21B 10/38
E21B 10/40
(11) EP3097248
(21) EP15737159.2
(47) 08.01.2020
(87) FI2015000002
23.07.2015
(22) 20.01.2015
(54) DRILL BIT
(73) Mincon Nordic Oy
(72) AHONEN, Jukka
SAMMATTI, Jussi
(31) 20140015
(32) 20.01.2014
(33) Finland

(51) E21B 10/10
E21B 10/22
E21D 9/06
E21D 9/08
F16J 15/34
(11) EP2675997
(21) EP12749492.0
(47) 08.01.2020
(87) US2012025478
30.08.2012
(22) 16.02.2012
(54) CUTTER ASSEMBLY FOR TUNNEL BORING MACHINE WITH PRESSURE COMPENSATION
(73) The Robbins Company
(72) SHANAHAN, Aaron, J.
SMADING, Stephen, M.
LANG, Timothy, A.
BOX, Zachary, J.
KHALIGHI, Brian, B.
GROTHEN, Brad, D.
LENABURG, Carl, E.
MCNEELEY, Jay, M.
KONDA, Shinichi
(31) 201161444081 P
(32) 17.02.2011
(33) United States of America

(51) E21B 10/14
(11) EP2780532
(21) EP12849014.1
(47) 08.01.2020
(87) US2012065277
23.05.2013
(22) 15.11.2012
(54) HYBRID DRILL BITS HAVING INCREASED DRILLING EFFICIENCY
(73) Baker Hughes, a GE company, LLC
(72) ZAHRADNIK, Anton F.
PESSIER, Rolf C.
ROTHE, Mitchell A.
NGUYEN, Don Q.
CEPEDA, Karlos
DAMSCHEN, Michael S.
BUSKE, Robert J.
HOWARD, Johnathan
VEMPATI, Chaitanya K.
(31) 201161560083 P
(32) 15.11.2011
(33) United States of America

(51) E21B 10/26
(11) EP2694767
(21) EP12865063.7
(47) 08.01.2020
(87) US2012032714
18.07.2013
(22) 09.04.2012
(54) METHOD AND APPARATUS FOR REAMING WELL BORE SURFACES NEARER THE CENTER OF DRIFT
(73) Extreme Technologies, LLC
(72) ISENHOUR, James, Daniel
(31) 201161473587 P
(32) 08.04.2011
(33) United States of America

(51) E21B 17/00
E21B 17/07
(11) EP3317487
(21) EP16739638.1
(47) 08.01.2020
(87) US2016040453
05.01.2017
(22) 30.06.2016
(54) ISOLATOR
(73) LORD Corporation
(72) BROWN, Michael, R.
CARABALLO, Samuel
KEITHLY, Adam
CUNE, Gregg
OWENS, Jonathan
(31) 201562186601 P
(32) 30.06.2015
(33) United States of America

(51) E21B 23/00
E21B 23/02
E21B 33/04
(11) EP2510182
(21) EP10831900.5
(47) 08.01.2020
(87) US2010002999
26.05.2011
(22) 18.11.2010
(54) LANDING SYSTEM FOR WELL CASING
(73) Miller, David M.
(72) Miller, David M.
(31) 262912 P
(32) 07.12.2009
(33) United States of America

(51) E21B 28/00
E21B 37/00
E21B 43/12
F04B 47/02
F04B 49/00
E21B 47/00
(11) EP3140547
(21) EP15788917.1
(47) 08.01.2020
(87) US2015029510
12.11.2015
(22) 06.05.2015
(54) SUBTERRANEAN PUMP WITH PUMP CLEANING MODE
(73) Unico, LLC
(72) PETERSON, Ronald G.
BENDER, Jonathan D.
(31) 201461990492 P
201514704079
(32) 08.05.2014
05.05.2015
(33) United States of America
United States of America

(51) E21B 31/18
(11) EP3221551
(21) EP15801258.3
(47) 08.01.2020
(87) IB2015058870
26.05.2016
(22) 17.11.2015
(54) RETRIEVABLE RE-CONNECTING DEVICE WITH INTERNAL SEAL AND SLIPS FOR CONNECTING TO THE TOP OF AN EXISTING TUBING IN A WELL BORE
(73) Vanguard Oil Tools&Services LLC
(72) BARTON, Len
JOHANSSON, Mats
LOVIKNES, Borre
(31) 1451380
(32) 17.11.2014
(33) Sweden

(51) E21B 33/10
E21B 34/06
E21B 47/06
E21B 47/10
(11) EP2917462
(21) EP13771194.1
(47) 08.01.2020
(87) GB2013052515
03.04.2014
(22) 26.09.2013
(54) WELL ISOLATION
(73) WEATHERFORD TECHNOLOGY HOLDINGS, LLC
(72) PURKIS, Daniel George
(31) 201217229
(32) 26.09.2012
(33) United Kingdom

(51) E21B 34/00
E21B 34/10
E21B 34/14
E21B 47/01
E21B 47/017
E21B 47/12
(11) EP3097265
(21) EP14887161.9
(47) 08.01.2020

(87) US2014031617
01.10.2015
(22) 24.03.2014
(54) WELL TOOLS HAVING MAGNETIC SHIELDING FOR MAGNETIC SENSOR
(73) Halliburton Energy Services, Inc.
(72) MURPHREE, Zachary, R.
FRIPP, Michael, L.
WALTON, Zachary, W.
MERRON, Matthew, J.

(51) E21B 34/10
(11) EP2094938
(21) EP07863931.7
(47) 08.01.2020
(87) US2007083700
22.05.2008
(22) 06.11.2007
(54) DISTORTION COMPENSATION FOR ROD PISTON BORE IN SUBSURFACE SAFETY VALVES
(73) Baker Hughes, a GE company, LLC
(72) BANE, Darren E.
WAGNER, Alan N.
ANDERSON, David Z.
LAKE, Gary (Ben) B.
BEALL, Cliff
(31) 595591
(32) 13.11.2006
(33) United States of America

(51) E21B 41/00
E21B 43/017
E21B 43/36
(11) EP3215709
(21) EP15816090.3
(47) 08.01.2020
(87) EP2015075863
12.05.2016
(22) 05.11.2015
(54) HANDLING HEAVY SUBSEA STRUCTURES
(73) Subsea 7 Norway AS
(72) DAASVATN, Sigbjørn
(31) 201419709
(32) 05.11.2014
(33) United Kingdom

(51) E21B 43/04
E21B 43/08
E21B 43/12
E21B 43/14
E21B 43/26
(11) EP2900906
(21) EP12885591.3
(47) 08.01.2020
(87) US2012057257
03.04.2014
(22) 26.09.2012
(54) SINGLE TRIP MULTI-ZONE COMPLETION SYSTEMS AND METHODS
(73) Halliburton Energy Services Inc.
(72) GRIGSBY, Tommy Frank
RICHARDS, William Mark

(51) E21B 43/38
E21B 43/40
(11) EP3325764
(21) EP16742114.8
(47) 08.01.2020
(87) US2016041439
26.01.2017
(22) 08.07.2016
(54) SYSTEM AND METHOD FOR DISPOSAL OF WATER PRODUCED FROM A PLURALITY OF WELLS OF A WELL-PAD
(73) General Electric Company
(72) JOSHI, Mahendra, Ladharam
QI, Xuele
MURPHY, Raymond
SIVARAMAKRISHNAN, Shyam
(31) 201562195814 P
201615193392
(32) 23.07.2015
27.06.2016
(33) United States of America
United States of America

(51) E21B 44/04
E21B 45/00
E21B 49/00
(11) EP3283727
(21) EP15805067.4
(47) 08.01.2020
(87) US2015062437
20.10.2016
(22) 24.11.2015
(54) SYSTEM AND METHOD FOR DRILLING USING PORE PRESSURE
(73) BP Corporation North America Inc.
(72) MAJIDI, Reza
ALBERTIN, Martin
(31) 201562147252 P
(32) 14.04.2015
(33) United States of America

(51) E21B 47/024
E21B 47/022
(11) EP3221557
(21) EP15860961.0
(47) 08.01.2020
(87) US2015061628
26.05.2016
(22) 19.11.2015
(54) TUMBLE GYRO SURVEYOR
(73) Scientific Drilling International, Inc.
(72) VAN STEENWYK, Brett
WHITACRE, Tim
(31) 201462081936 P
(32) 19.11.2014
(33) United States of America

(51) E21B 49/00
(11) EP1339951
(21) EP01999722.0
(47) 08.01.2020
(87) FR2001003513
13.06.2002
(22) 12.11.2001
(54) METHOD AND DEVICE FOR DETERMINING THE QUALITY OF AN OIL WELL RESERVE
(73) Sondex Limited
(72) DESPAX, Damien
DOVIS, Robert
FEDELE, Jean-Michel
MARTIN, Jean-Pierre
(31) 0015647
(32) 04.12.2000
(33) France

(51) E21D 11/00
E21D 11/38
E21F 15/00
(11) EP3205814
(21) EP14903550.3
(47) 08.01.2020
(87) JP2014077240
14.04.2016
(22) 10.10.2014
(54) METHOD FOR PACKING FILLER MATERIAL
(73) Ashimori Industry Co., Ltd.
Ashimori Engineering Co., Ltd.
(72) OKUDA, Susumu
KUSUBA, Ichiro
ASO, Koji

(51) F01B 9/06
F02B 75/32
F04B 9/04
F04B 27/04
F04B 39/00
F04B 53/00
F16F 15/28
F16H 21/18
F16H 21/22
F16H 21/36
(11) EP2604889
(21) EP10853853.9
(47) 08.01.2020
(87) CN2010001590
05.01.2012
(22) 11.10.2010
(54) CRANK CIRCULAR SLIDING BLOCK MECHANISM, PARTS THEREOF, AND EQUIPMENT THEREFROM
(73) Beijing Sinocep Engine Technology Co., Ltd
(72) LI, Ming
LI, Zhengzhong
(31) 201010215948
(32) 02.07.2010
(33) China

(51) F01C 21/10
F04C 11/00
F04C 15/00
F04C 15/06
(11) EP2920423
(21) EP12783936.3
(47) 08.01.2020
(87) EP2012071371
08.05.2014
(22) 29.10.2012
(54) AUTOMOTIVE ELECTRIC LIQUID PUMP
(73) Pierburg Pump Technology GmbH
(72) MALVASI, Alessandro
ARMENIO, Giacomo

(51) F01D 1/26
F01D 1/34
F01D 1/36
F04D 5/00
(11) EP3431705
(21) EP17182152.3
(47) 08.01.2020
(22) 19.07.2017
(54) TESLA TURBINE WITH STATIC DISTRIBUTOR
(73) Esquare Lab Ltd
(72) NAVANTERI, Vincenzo

(51) F01D 5/02
F01D 5/06

F01D 5/28
(11) EP2479379
(21) EP12151842.7
(47) 08.01.2020
(22) 19.01.2012
(54) A WELDED ROTOR, A STEAM TURBINE HAVING A WELDED ROTOR AND A METHOD FOR PRODUCING A WELDED ROTOR
(73) General Electric Company
(72) Farineau, Thomas Joseph
Baran, Robert G.
Fernandez, Manuel Julio Gomez
(31) 201113011090
(32) 21.01.2011
(33) United States of America

(51) F01D 5/02
F01D 5/06
F01D 11/00
F04D 29/32
(11) EP3470625
(21) EP18198878.3
(47) 18.12.2019
(22) 05.10.2018
(54) ROTOR DISK ASSEMBLY FOR GAS TURBINE
(73) Doosan Heavy Industries & Construction Co., Ltd
(72) SHEMYATOVSKIY, Victor
SEO, Ja Won
HEO, Young Seok
(31) 20170133238
(32) 13.10.2017
(33) Korea (Republic)

(51) F01D 5/02
F01D 11/00
(11) EP3246516
(21) EP17171600.4
(47) 08.01.2020
(22) 17.05.2017
(54) CURVIC SEAL FITTING AND BALANCE WEIGHT LOCATIONS
(73) United Technologies Corporation
(72) PORTER, Steven D.
MARIANO, Thomas A.
(31) 201615156993
(32) 17.05.2016
(33) United States of America

(51) F01D 5/08
(11) EP3430238
(21) EP17716567.7
(47) 08.01.2020
(87) FR2017050614
21.09.2017
(22) 16.03.2017
(54) TURBINE ROTOR COMPRISING A VENTILATION SPACER
(73) Safran Aircraft Engines
(72) OUDIN, Benjamin, Cyrille, Jacques
CASALIGGI, Pascal
CAPOLUNGO, Thierry, Laurent
PASQUIET, Didier, Désiré, René
(31) 1652234
(32) 16.03.2016
(33) France

(51) F01D 5/14
(11) EP3323986
(21) EP17202397.0
(47) 08.01.2020
(22) 17.11.2017
(54) AIRFOIL WITH GEOMETRICALLY SEGMENTED COATING SECTION
(73) United Technologies Corporation
(72) HUDSON, Eric A.
(31) 201615354118
(32) 17.11.2016
(33) United States of America

(51) F01D 5/14
F01D 17/16
F04D 27/00
F04D 27/02
F04D 29/46
F04D 29/56
(11) EP3339572
(21) EP17202515.7
(47) 08.01.2020
(22) 20.11.2017
(54) VARIABLE GUIDE VANE DEVICE
(73) Rolls-Royce plc
(72) Hield, Paul
(31) 201621739
(32) 20.12.2016
(33) United Kingdom

(51) F01D 5/14
F04D 29/32
F04D 29/52
F04D 29/54
F04D 29/68
(11) EP3124794
(21) EP16180705.2
(47) 08.01.2020
(22) 22.07.2016
(54) AXIAL FLOW COMPRESSOR WITH END-WALL CONTOURING
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) SHIBATA, Takanori
OMURA, Naoto
MYOREN, Chihiro
TAKAHASHI, Yasuo
(31) 2015150840
(32) 30.07.2015
(33) Japan

(51) F01D 5/18
(11) EP3336310
(21) EP17197948.7
(47) 08.01.2020
(22) 24.10.2017
(54) PARTIALLY WRAPPED TRAILING EDGE COOLING CIRCUIT WITH PRESSURE SIDE SERPENTINE CAVITIES
(73) General Electric Company
(72) WEBER, David Wayne
LEARY, Brendon James
(31) 201615334501
(32) 26.10.2016
(33) United States of America

(51) F01D 5/18
(11) EP3203026
(21) EP17152705.4
(47) 08.01.2020
(22) 23.01.2017
(54) GAS TURBINE BLADE WITH PEDESTAL ARRAY
(73) United Technologies Corporation
(72) THISTLE, Charles
XUE, Yongxiang D.
(31) 201615004498
(32) 22.01.2016
(33) United States of America

(51) F01D 5/18
(11) EP3461996
(21) EP18195843.0
(47) 08.01.2020
(22) 21.09.2018
(54) GAS TURBINE
(73) Doosan Heavy Industries & Construction Co., Ltd
(72) CHOI, Jae Yeon
(31) 20170126850
(32) 29.09.2017
(33) Korea (Republic)

(51) F01D 5/18
F01D 25/12
(11) EP1820937
(21) EP07250527.4
(47) 08.01.2020
(22) 09.02.2007
(54) TURBINE BLADE WITH RADIAL COOLING CHANNELS
(73) United Technologies Corporation
(72) Pietraszkiewicz, Edward F.
Sharma, Om P.
Chin, Kar D.
(31) 355278
(32) 15.02.2006
(33) United States of America

(51) F01D 5/18
F01D 25/12
F02C 7/18
F04D 29/58
(11) EP3044418
(21) EP14842280.1
(47) 08.01.2020
(87) US2014052854
12.03.2015
(22) 27.08.2014
(54) GAS TURBINE ENGINE AIRFOIL WITH WISHBONE BAFFLE COOLING SCHEME
(73) United Technologies Corporation
(72) SPANGLER, Brandon W.
OTERO, Edwin
(31) 201361874780 P
(32) 06.09.2013
(33) United States of America

(51) F01D 5/20
F01D 5/28
F01D 11/12
F04D 19/00
F04D 29/38
(11) EP2899371
(21) EP15151897.4
(47) 08.01.2020
(22) 21.01.2015
(54) FAN BLADES WITH ABRASIVE TIPS
(73) United Technologies Corporation
(72) Strock, Christopher W.
Guo, Changsheng
(31) 201461930523 P
201414509780
(32) 23.01.2014
08.10.2014
(33) United States of America

United States of America

(51) F01D 5/22
F01D 5/30
F01D 11/00
F16J 15/08
(11) EP2985419
(21) EP15175919.8
(47) 08.01.2020
(22) 08.07.2015
(54) TURBOMACHINE BLADE ASSEMBLY WITH BLADE ROOT SEALS
(73) United Technologies Corporation
(72) McCAFFREY, Michael G.
(31) 201462029627 P
(32) 13.08.2014
(33) United States of America

(51) F01D 5/28
F01D 11/18
F01D 25/00
F01D 25/24
F01D 25/28
F01D 25/30
(11) EP3159505
(21) EP15190482.8
(47) 08.01.2020
(22) 20.10.2015
(54) INTERMEDIATE CASING FOR A GAS TURBINE
(73) MTU Aero Engines AG
(72) HUMHAUSER, Werner
KLINGELS, Hermann
JACKSON, Hugh Alun John
STANKA, Rudolf
EICHINGER, Alois

(51) F01D 5/30
F01D 5/32
(11) EP3339578
(21) EP17203225.2
(47) 08.01.2020
(22) 23.11.2017
(54) LOCKING SPACER FOR A ROTOR BLADE AND CORRESPONDING METHOD FOR ASSEMBLING
(73) Doosan Heavy Industries & Construction Co., Ltd.
(72) GOROSHCHAK, Iurii
KWAK, Joohwan
(31) 20160177615
(32) 23.12.2016
(33) Korea (Republic)

(51) F01D 5/30
F01D 5/32
(11) EP3339577
(21) EP17203112.2
(47) 08.01.2020
(22) 22.11.2017
(54) LOCKING SPACER AND CORRESPONDING ASSEMBLY METHOD
(73) Doosan Heavy Industries & Construction Co., Ltd.
(72) KWAK, Joohwan
(31) 20160175678
(32) 21.12.2016
(33) Korea (Republic)

(51) F01D 9/04
F01D 9/06
F01D 25/12
F01D 25/30
(11) EP3130768
(21) EP15777352.4
(47) 08.01.2020
(87) JP2015060461
15.10.2015
(22) 02.04.2015
(54) GAS TURBINE ENGINE WITH TURBINE VENTILATION STRUCTURE
(73) Kawasaki Jukogyo Kabushiki Kaisha
(72) TANIMURA, Kazuhiko
TAKI, Hiroshi
OBAYASHI, Katsuyoshi
TAKASHIMA, Kei
(31) 2014078651
(32) 07.04.2014
(33) Japan

(51) F01D 9/04
F01D 17/16
F02C 9/20
F04D 27/02
(11) EP2383439
(21) EP11163459.8
(47) 08.01.2020
(22) 21.04.2011
(54) SYSTEMS, METHODS, AND APPARATUS FOR CONTROLLING TURBINE GUIDE VANE POSITIONS
(73) General Electric Company
(72) Minto, Karl Dean
Davidson, Dwight Eric
Dixon, William E.
(31) 768829
(32) 28.04.2010
(33) United States of America

(51) F01D 11/00
F01D 11/02
F02C 7/28
F16J 15/22
F16J 15/44
F16J 15/447
F16J 15/48
F16J 15/3288
(11) EP2824370
(21) EP13757238.4
(47) 08.01.2020
(87) JP2013052376
12.09.2013
(22) 01.02.2013
(54) SHAFT SEAL DEVICE
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) UEHARA Hidekazu
SHINOHARA Tanehiro
NISHIMOTO Shin
NAKANO Takashi
(31) 2012051464
(32) 08.03.2012
(33) Japan

(51) F01D 11/02
F01D 11/12
F02C 7/28
F16J 15/20
F16J 15/22
F16J 15/44
(11) EP3249172
(21) EP16752352.1
(47) 08.01.2020
(87) JP2016053801
25.08.2016
(22) 09.02.2016
(54) SEAL DEVICE FOR TURBINE, TURBINE, AND THIN PLATE FOR SEAL DEVICE
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) YOSHIDA, Azumi
UEHARA, Hidekazu
OYAMA, Hiroharu
OZAKI, Kohei
HAMADA, Katsuhisa
SUGISHITA, Hideaki
NISHIKAWA, Toyoharu
KUWAMURA, Yoshihiro
HATANO, Kohei
MATSUYAMA, Keisuke
(31) 2015031944
(32) 20.02.2015
(33) Japan

(51) F01D 11/08
F01D 25/24
F02C 7/28
(11) EP2984296
(21) EP14783318.0
(47) 08.01.2020
(87) US2014032779
16.10.2014
(22) 03.04.2014
(54) BLADE OUTER AIR SEAL WITH SECONDARY AIR SEALING
(73) United Technologies Corporation
(72) CLOUSE, Brian Ellis
CLOUD, David F.
CLOUGH, Donna
(31) 201361811169 P
(32) 12.04.2013
(33) United States of America

(51) F01D 11/24
F02C 7/00
F02C 7/32
F02C 9/00
(11) EP2859207
(21) EP13801128.3
(47) 08.01.2020
(87) US2013041786
12.12.2013
(22) 20.05.2013
(54) ACTIVE CLEARANCE CONTROL FOR GAS TURBINE ENGINE
(73) United Technologies Corporation
(72) RIOUX, Philip Robert
(31) 201213491868
(32) 08.06.2012
(33) United States of America

(51) F01D 15/08
F01D 17/16
F01D 19/00
F02C 7/26
F02C 9/20
F04D 27/02
F04D 29/46
(11) EP3408543
(21) EP17701840.5
(47) 08.01.2020
(87) EP2017051319
03.08.2017
(22) 23.01.2017

(54) COMPRESSOR TRAIN START-UP USING VARIABLE INLET GUIDE VANES
(73) Nuovo Pignone Tecnologie - S.r.l.
(72) BALDASSARRE, Leonardo
PELAGOTTI, Antonio
PELELLA, Marco
MARCUCCI, Nicola
BALDANZINI, Fabio
(31) UB20160324
(32) 25.01.2016
(33) Italy

(51) F01D 17/14
F16K 1/44
F16K 11/20
F16K 31/163
F16K 31/52
(11) EP3486434
(21) EP18202069.3
(47) 08.01.2020
(22) 23.10.2018
(54) STEAM TURBINE VALVE DEVICE AND STEAM TURBINE
(73) Mitsubishi Heavy Industries Compressor Corporation
(72) KAMIMURA, Tomoya
(31) 2017222121
(32) 17.11.2017
(33) Japan

(51) F01D 17/16
F01D 25/28
(11) EP3460201
(21) EP18191688.3
(47) 18.12.2019
(22) 30.08.2018
(54) VARIABLE STATOR VANE RIGGING
(73) Rolls-Royce plc
(72) Lyon, Owen
Swann, Andrew
(31) 201715457
(32) 25.09.2017
(33) United Kingdom

(51) F01D 19/02
F02C 7/277
(11) EP3358151
(21) EP18154540.1
(47) 08.01.2020
(22) 31.01.2018
(54) GAS TURBINE START SYSTEM TO ENABLE ROTOR THERMAL STABILIZATION WITH BACKUP BLEED BYPASS COOLING MODE
(73) United Technologies Corporation
(72) GREENBERG, Michael D.
GOODMAN, Robert
GELWAN, David
CLAUSON, Jesse W
(31) 201715421598
(32) 01.02.2017
(33) United States of America

(51) F01D 21/00
F01D 21/02
(11) EP2372108
(21) EP11158443.9
(47) 08.01.2020
(22) 16.03.2011
(54) Method and system for testing an overspeed protection system of a powerplant machine
(73) GENERAL ELECTRIC COMPANY
(72) Block, Frederick William
Nichols, Richard Lee
Law, Joseph Robert
Dalton, Bret Stephen
Ellis, George Allen
(31) 729666
(32) 23.03.2010
(33) United States of America

(51) F01D 21/04
F01D 21/08
F01D 25/16
F16C 19/06
F16C 19/54
F16C 27/04
(11) EP3203036
(21) EP17154266.5
(47) 08.01.2020
(22) 01.02.2017
(54) BEARING OUTER RACE RETENTION DURING HIGH LOAD EVENTS
(73) General Electric Company
(72) GANIGER, Ravindra
CARTER, Bruce Alan
CORMAN, Charles Andrew
(31) 201615017791
(32) 08.02.2016
(33) United States of America

(51) F01D 21/12
(11) EP3404218
(21) EP18171354.6
(47) 08.01.2020
(22) 08.05.2018
(54) TEMPERATURE SENSOR ARRAY FOR A GAS TURBINE ENGINE
(73) United Technologies Corporation
(72) DARDONA, Sameh
(31) 201715588828
(32) 08.05.2017
(33) United States of America

(51) F01D 25/04
F01D 25/24
F04D 29/52
F04D 29/64
F04D 29/66
(11) EP3088684
(21) EP16167078.1
(47) 08.01.2020
(22) 26.04.2016
(54) GAS TURBINE ENGINE COMPRISING A STATOR DAMPER AND CORRESPONDING METHOD OF MAKING
(73) United Technologies Corporation
(72) LESLIE, Nicholas R.
DUBE, David P.
BUTCHER, Randall J.
(31) 201514697242
(32) 27.04.2015
(33) United States of America

(51) F01D 25/16
F01D 25/18
F02C 7/06
F02C 7/36
(11) EP2946095
(21) EP14741162.3
(47) 08.01.2020
(87) US2014012165
24.07.2014
(22) 20.01.2014
(54) ADJUSTABLE FLOATING OIL CHANNEL FOR GAS TURBINE ENGINE GEAR DRIVE
(73) United Technologies Corporation
(72) DIBENEDETTO, Enzo
(31) 201313745943
(32) 21.01.2013
(33) United States of America

(51) F01D 25/16
F02B 39/00
F04D 29/057
F16C 27/02
(11) EP3096028
(21) EP14869649.5
(47) 08.01.2020
(87) JP2014080639
18.06.2015
(22) 19.11.2014
(54) FOIL BEARING, AND FOIL BEARING UNIT AND TURBO MACHINE EACH HAVING SAME
(73) NTN Corporation
(72) YOSHINO, Masato
FUJIWARA, Hiroki
(31) 2013256847
2013256843
2013265439
(32) 12.12.2013
12.12.2013
24.12.2013
(33) Japan
Japan
Japan

(51) F01D 25/18
(11) EP3406862
(21) EP18169536.2
(47) 08.01.2020
(22) 26.04.2018
(54) A SEAL ASSEMBLY AND METHOD FOR REDUCING AIRCRAFT ENGINE OIL LEAKAGE
(73) The Boeing Company
(72) CHAO-HSIN, Lin
HORSTMAN, Raymond H.
BATES III, George
(31) 201715603762
(32) 24.05.2017
(33) United States of America

(51) F01D 25/24
(11) EP3409909
(21) EP17173968.3
(47) 08.01.2020
(22) 01.06.2017
(54) INTERMEDIATE TURBINE HOUSING WITH CENTRING ELEMENT AND SPACER ELEMENT
(73) MTU Aero Engines AG
(72) Böck, Alexander

(51) F01D 25/24
(11) EP3330498
(21) EP17199820.6
(47) 08.01.2020
(22) 03.11.2017
(54) TURBINE SHROUD WITH HANGER ATTACHMENT
(73) Rolls-Royce Corporation

Rolls-Royce North American Technologies, Inc.
(72) Freeman, Ted
Sippel, Aaron
Vetters, Daniel
Thomas, David
Baucco, Alexandra
(31) 201662428285 P
(32) 30.11.2016
(33) United States of America

(51) F01D 25/24
F01D 25/28
F02C 7/20
F02C 7/32
(11) EP3114327
(21) EP15783136.3
(47) 08.01.2020
(87) US2015014354
29.10.2015
(22) 04.02.2015
(54) GAS TURBINE ENGINE ACCESSORY ARCHITECTURE
(73) United Technologies Corporation
(72) SNYDER, Ryan K.
HEIMS, Eric J.
COLEBROOK, Mark W.
(31) 201461948661 P
(32) 06.03.2014
(33) United States of America

(51) F01D 25/28
F02C 7/20
(11) EP3039267
(21) EP14839414.1
(47) 08.01.2020
(87) US2014051327
05.03.2015
(22) 15.08.2014
(54) SUPPORT ASSEMBLY FOR A TURBOMACHINE
(73) Dresser-Rand Company
Peer, David J.
Ranz, Andrew J.
Maier, William C.
Johnson, Joel D.
(72) PEER, David J.
RANZ, Andrew J.
MAIER, William C.
JOHNSON, Joel D.
(31) 201361871449 P
201414456040
(32) 29.08.2013
11.08.2014
(33) United States of America
United States of America

(51) F01K 3/00
F01K 13/00
F22B 1/00
F22D 1/00
F22D 3/00
(11) EP2765357
(21) EP13158574.7
(47) 08.01.2020
(22) 11.03.2013
(54) Steam power plant with an additional flexible solar system for the flexible integration of solar energy
(73) General Electric Technology GmbH
(72) Clement, Olivier
Velm, Silvia, Dipl. Ing.
Schüle, Volker
Seelinger, Hermann
(31) 102012223122
(32) 13.12.2012
(33) Germany

(51) F01K 9/00
F01K 23/06
F01K 23/10
F02G 5/04
(11) EP3227536
(21) EP15866331.0
(47) 08.01.2020
(87) SE2015051166
09.06.2016
(22) 04.11.2015
(54) A COOLING ARRANGEMENT FOR A WHR-SYSTEM
(73) Scania CV AB
(72) KARDOS, Zoltan
HALL, Ola
(31) 1451488
(32) 05.12.2014
(33) Sweden

(51) F01K 11/00
F01K 25/08
F25B 30/06
(11) EP3457052
(21) EP18174541.5
(47) 08.01.2020
(22) 28.05.2018
(54) THE ATMOSPHERIC COLD STEAM ENGINE AND OPERATING METHOD THEREOF
(73) Vilniaus Gedimino technikos universitetas
(72) ROTMANAS, Algimantas
(31) 2017522
(32) 06.09.2017
(33) Lithuania

(51) F01L 1/08
F01L 1/18
F01L 1/26
F01L 1/344
F01L 13/06
F02B 37/02
F02B 37/22
F02D 9/06
F02D 9/10
F02D 13/02
F02D 13/04
(11) EP3408517
(21) EP16702526.1
(47) 08.01.2020
(87) EP2016051979
03.08.2017
(22) 29.01.2016
(54) AN INTERNAL COMBUSTION ENGINE AND A METHOD COMPRISING CONTROL OF THE ENGINE TO PROVIDE A BRAKING TORQUE
(73) Volvo Truck Corporation
(72) MOHLIN, Anders

(51) F01L 1/14
F01L 1/18
F02M 59/10
F16H 53/06
(11) EP3026232
(21) EP14306908.6
(47) 08.01.2020
(22) 27.11.2014
(54) Mechanical system forming a cam follower or a rocker arm, injection pump or valve actuator comprising such a mechanical system and method for manufacturing such a mechanical system
(73) Aktiebolaget SKF
(72) Berruet, Nicolas
Champalou, François
Viault, Samuel

(51) F01L 1/18
F01L 13/00
(11) EP3421741
(21) EP18176252.7
(47) 08.01.2020
(22) 06.06.2018
(54) VARIABLE VALVE DRIVE
(73) MAN Truck & Bus SE
(72) Hirschmann, Steffen
Dietrich, Jens
Malischewski, Thomas
(31) 102017114575
(32) 29.06.2017
(33) Germany

(51) F01M 1/08
F01P 3/08
(11) EP3417157
(21) EP17704514.3
(47) 08.01.2020
(87) EP2017053562
24.08.2017
(22) 16.02.2017
(54) LUBRICATING NOZZLE WITH SIMPLIFIED PRODUCTION
(73) Bontaz Centre R&D
(72) PEROTTO, Stéphane, Pascal
TAUPEAU, Anthony, Raymond, Arthur
MOHAMED, Dylan
(31) 1651282
(32) 17.02.2016
(33) France

(51) F01M 1/16
F01M 5/00
F16N 29/02
F16H 57/04
(11) EP3387225
(21) EP16801763.0
(47) 08.01.2020
(87) EP2016078772
15.06.2017
(22) 25.11.2016
(54) FLUID SUPPLY SYSTEM
(73) Mahle International GmbH
(72) RUFFET, Valentin
STEINHOFF, Michael
(31) 102015224387
102016207655
(32) 07.12.2015
03.05.2016
(33) Germany
Germany

(51) F01M 11/06
F01M 13/00
(11) EP3408508
(21) EP17701994.0
(47) 08.01.2020
(87) EP2017000048

03.08.2017
(22) 18.01.2017
(54) DEVICE AND METHOD FOR VENTING A CRANK CASING OF AN INTERNAL COMBUSTION ENGINE
(73) MAN Truck & Bus SE
Hengst SE
(72) SPRICKMANN KERKERINCK, Stefan
HERDERING, Heinz
(31) 102016000632
(32) 25.01.2016
(33) Germany

(51) F01N 1/08
F01N 13/18
(11) EP3473823
(21) EP18201009.0
(47) 08.01.2020
(22) 17.10.2018
(54) SILENCER WITH SOUND INSULATION INSERT AND METHOD FOR PRODUCING A SILENCER WITH SOUND INSULATION INSERT
(73) Eberspächer Exhaust Technology GmbH & Co. KG
(72) Zdravkov, Hristo
(31) 102017124750
(32) 23.10.2017
(33) Germany

(51) F01N 3/20
F01N 3/28
(11) EP3299598
(21) EP17191121.7
(47) 08.01.2020
(22) 14.09.2017
(54) REACTANT INPUT ASSEMBLY FOR DISPENSING REACTANT INTO THE WASTE GAS FLOW OF A COMBUSTION ENGINE
(73) Eberspächer Exhaust Technology GmbH & Co. KG
(72) Kurpejovic, Enver
Semenov, Oleksandr
Glaser, Steffen
(31) 102016117746
(32) 21.09.2016
(33) Germany

(51) F01N 3/20
F01N 3/36
F02D 41/32
F02D 41/34
F02D 45/00
(11) EP3192990
(21) EP15840686.8
(47) 08.01.2020
(87) JP2015075877
17.03.2016
(22) 11.09.2015
(54) EXHAUST-GAS-CLEANING SYSTEM AND METHOD FOR CONTROLLING THE SAME
(73) Isuzu Motors, Ltd.
(72) NISHITO, Masaaki
NAKADA, Teruo
SAKAMOTO, Takayuki
NAGAOKA, Daiji
(31) 2014186760
(32) 12.09.2014
(33) Japan

(51) F01N 5/02
F02G 5/02
(11) EP2846017
(21) EP14175150.3
(47) 08.01.2020
(22) 01.07.2014
(54) Heat exchange device and drive unit for a motor vehicle
(73) Volkswagen Aktiengesellschaft
(72) Carstensen, Asmus
Semke, Artur
Schulenburg, Thomas
Herr, Andreas, Dr.
Fritzsche, Jörg
Dallmann, Marcus
Käppner, Christoph
Volkmann, Jörg, Dr.
Maischik, Thomas
(31) 102013011519
(32) 09.07.2013
(33) Germany

(51) F01N 11/00
F02D 41/14
F02D 41/22
G01N 15/06
G01N 35/00
(11) EP2455743
(21) EP11188612.3
(47) 08.01.2020
(22) 10.11.2011
(54) Self diagnostics of a particulate matter sensor
(73) Delphi Technologies IP Limited
(72) Nelson, Charles Scott
Hocken, Lary Robert
Conklin, Michael
(31) 947867
(32) 17.11.2010
(33) United States of America

(51) F01P 3/22
(11) EP2118463
(21) EP08705269.2
(47) 08.01.2020
(87) SE2008000109
14.08.2008
(22) 08.02.2008
(54) COOLANT SYSTEM
(73) VOLVO LASTVAGNAR AB
(72) DAHL, Erik
JEMT, Katarina
(31) 0700341
(32) 09.02.2007
(33) Sweden

(51) F02B 23/06
F02F 3/12
F02F 3/14
C23C 4/01
C23C 4/11
(11) EP3440230
(21) EP16719784.7
(47) 08.01.2020
(87) EP2016057721
12.10.2017
(22) 08.04.2016
(54) A PISTON FOR A CYLINDER FOR AN INTERNAL COMBUSTION ENGINE
(73) Volvo Truck Corporation
(72) LÖFSKOG, Frank
TRICOIRE, Aurélien

(51) F02B 25/04
F02M 21/02
F02M 69/10
F02M 69/52
F02M 69/54
(11) EP3217009
(21) EP15856740.4
(47) 08.01.2020
(87) JP2015080894
12.05.2016
(22) 02.11.2015
(54) UNIFLOW SCAVENGING TWO-CYCLE ENGINE
(73) IHI Corporation
(72) YAMADA, Takeshi
UMEMOTO, Yoshiyuki
TERAMOTO, Jun
HIROSE, Takayuki
(31) 2014224455
2014224456
(32) 04.11.2014
04.11.2014
(33) Japan
Japan

(51) F02B 25/08
F02B 33/34
F02B 37/04
F02B 39/16
F02B 75/02
F02D 23/02
F02D 41/00
F02D 41/18
F02D 41/22
(11) EP3207239
(21) EP15816563.9
(47) 08.01.2020
(87) US2015062292
09.06.2016
(22) 24.11.2015
(54) ON-BOARD DIAGNOSTICS FOR AN OPPOSED-PISTON ENGINE EQUIPPED WITH A SUPERCHARGER
(73) Achates Power, Inc.
(72) NAGAR, Nishit
SHARMA, Arunandan
(31) 201414560612
(32) 04.12.2014
(33) United States of America

(51) F02B 33/36
F02B 39/00
F04C 18/12
(11) EP3068990
(21) EP14857269.6
(47) 08.01.2020
(87) US2014063439
07.05.2015
(22) 31.10.2014
(54) SUPERCHARGER WITH MODULATED BACKFLOW EVENT
(73) Eaton Corporation
(72) MAHALATKAR, Kartikeya Krishnoji
SWARTZLANDER, Matthew, Gareld
PATIL, Sheetalkumar
FROEHLICH, Michael J.
KULKARNI, Gopal Kishanrao
(31) 201361897928 P
201461991166 P
2337DE2014

(32) 31.10.2013
09.05.2014
18.08.2014
(33) United States of America
United States of America
India

(51) F02B 61/02
F02B 67/06
F02F 1/24
F02F 1/42
F02F 7/00
(11) EP3239510
(21) EP16851676.3
(47) 08.01.2020
(87) JP2016078705
06.04.2017
(22) 28.09.2016
(54) ENGINE FOR STRADDLED VEHICLES
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) ISECHI, Tetsuji
NOGI, Sadao
FUNAKOSHI, Hiroshi
ONO, Yuki
(31) 2015191510
(32) 29.09.2015
(33) Japan

(51) F02B 61/02
F02B 75/06
F16F 15/26
(11) EP3418604
(21) EP16815547.1
(47) 08.01.2020
(87) JP2016066905
24.08.2017
(22) 07.06.2016
(54) MACHINE PROVIDED WITH RECIPROCATING SLIDER CRANK MECHANISM AND METHOD FOR DESIGNING MACHINE PROVIDED WITH RECIPROCATING SLIDER CRANK MECHANISM
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) MAEDA Kazuyuki
ONODERA Masahiro
(31) 2016029824
(32) 19.02.2016
(33) Japan

(51) F02B 67/06
F16C 33/72
F16C 33/78
F16D 3/00
F16D 7/02
F16H 55/36
F16H 55/56
(11) EP3260738
(21) EP16752534.4
(47) 08.01.2020
(87) JP2016054646
25.08.2016
(22) 18.02.2016
(54) PULLEY STRUCTURE
(73) Mitsuboshi Belting Ltd.
(72) IMAI Katsuya
SHIMAMURA Hayato
(31) 2015031338
2016011352
(32) 20.02.2015
25.01.2016
(33) Japan
Japan

(51) F02B 75/02
F02B 75/28
F02B 75/32
(11) EP3436676
(21) EP17715987.8
(47) 08.01.2020
(87) GB2017050895
05.10.2017
(22) 30.03.2017
(54) GUIDE CAM ASSEMBLY FOR DIFFERENTIAL AND VARIABLE STROKE CYCLE ENGINES
(73) Yan Engines, Ltd.
(72) YAN, Hailuat D.
SIMMONS, Gregory Carlyon
GLOVER, James Peter
(31) 201605580
(32) 01.04.2016
(33) United Kingdom

(51) F02C 3/10
F02C 3/13
F02C 3/32
F02C 6/08
F02C 9/18
(11) EP3070291
(21) EP16160368.3
(47) 08.01.2020
(22) 15.03.2016
(54) POWER GENERATION SYSTEM HAVING COMPRESSOR CREATING EXCESS AIR FLOW AND TURBO-EXPANDER USING SAME
(73) General Electric Company
(72) EKANAYAKE, Sanji
KIM, Kihyung
REHG, Timothy Joseph
SCIPIO, Alston Ilford
TONG, Leslie Yung Min
(31) 201514662847
(32) 19.03.2015
(33) United States of America

(51) F02C 3/10
F02C 6/00
F02C 7/36
F02C 9/28
(11) EP3075982
(21) EP13898164.2
(47) 08.01.2020
(87) JP2013081831
04.06.2015
(22) 27.11.2013
(54) GAS TURBINE SUITABLE FOR RENEWABLE ENERGY AND CONTROL METHOD THEREOF
(73) Hitachi, Ltd.
(72) KUSUMI, Naohiro
HINO, Noriaki
AUNG, Kothet

(51) F02C 6/12
F04D 25/02
F04D 29/42
(11) EP2713057
(21) EP13182798.2
(47) 08.01.2020
(22) 03.09.2013
(54) RADIAL COMPRESSOR FOR AN EXHAUST GAS TURBO CHARGER
(73) BMTS Technology GmbH & Co. KG
(72) Fiedler, Max
Hanig, Urs
Haslinger, Fabian
(31) 102012217381
(32) 26.09.2012
(33) Germany

(51) F02C 7/06
F04D 29/047
F04D 29/057
F04D 29/06
F04D 29/063
F16C 33/10
(11) EP3112691
(21) EP16168783.5
(47) 08.01.2020
(22) 09.05.2016
(54) COMPRESSOR AND REFRIGERATING CYCLE APPARATUS
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) HIWATA, Akira
KOUDA, Kazuyuki
NISHIBU, Mamoru
SHOYAMA, Tadayoshi
OGATA, Takeshi
TAGUCHI, Hidetoshi
(31) 2015133115
(32) 01.07.2015
(33) Japan

(51) F02C 7/12
F28D 7/16
F28D 21/00
(11) EP3413001
(21) EP17425060.5
(47) 08.01.2020
(22) 06.06.2017
(54) ADDITIVELY MANUFACTURED HEAT EXCHANGER
(73) Ge Avio S.r.l.
(72) Caimano, Antonio
Cardillo, Antonio
Fanelli, Ivan

(51) F02C 7/16
F02C 7/22
(11) EP3346110
(21) EP17192364.2
(47) 08.01.2020
(22) 21.09.2017
(54) SYSTEM AND METHOD FOR PURGING FUEL FROM TURBOMACHINE
(73) General Electric Company
(72) SIMMONS, James Arthur
CASTILLO MORALES, Octavio Augusto
GONZAZLEZ TELLEZ, Victor Alfonso
(31) 201615282621
(32) 30.09.2016
(33) United States of America

(51) F02C 7/22
F02C 9/26
F23N 1/00
F23R 3/06
F23R 3/12
F23R 3/14
F23R 3/28
F23R 3/34

F23R 3/36
(11) EP3301373
(21) EP17194360.8
(47) 08.01.2020
(22) 02.10.2017
(54) PILOT INJECTOR FUEL SHIFTING IN AN AXIAL STAGED COMBUSTOR FOR A GAS TURBINE ENGINE
(73) United Technologies Corporation
(72) PROSCIA, William
(31) 201615283470
(32) 03.10.2016
(33) United States of America

(51) F02C 7/36
F02K 3/072
(11) EP3101258
(21) EP16172633.6
(47) 08.01.2020
(22) 02.06.2016
(54) GEARED ARCHITECTURE FOR A GAS TURBINE ENGINE AND A CORRESPONDING METHOD
(73) United Technologies Corporation
(72) SHERIDAN, William G.
(31) 201514731467
(32) 05.06.2015
(33) United States of America

(51) F02C 9/28
G01M 15/14
(11) EP3139148
(21) EP16184152.3
(47) 08.01.2020
(22) 15.08.2016
(54) SYSTEMS AND METHODS FOR TESTING A GAS TURBINE
(73) General Electric Company
(72) ASCENCIO, Vasanthi
HEDA, Sanjeev Shyam
CHANDRA, Dibakar
MAGANA, Ricardo Emilio
LI, Bryan
MORALES, Benjamin Moises
CANO, Jorge
(31) 201514827776
(32) 17.08.2015
(33) United States of America

(51) F02D 9/10
F02D 41/00
F02M 25/08
F02M 35/10
F02M 35/16
(11) EP3176419
(21) EP15830604.3
(47) 08.01.2020
(87) JP2015062369
11.02.2016
(22) 23.04.2015
(54) ENGINE UNIT AND SADDLED VEHICLE
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) HARA, Takahiko
WATANABE, Yuichiro
OKUWA, Yoshinori
(31) 2014163072
(32) 08.08.2014
(33) Japan

(51) F02D 35/02
F02D 37/02
F02D 41/00
F02M 26/06
(11) EP2203636
(21) EP08869131.6
(47) 08.01.2020
(87) FR2008001411
09.07.2009
(22) 09.10.2008
(54) CONTROL METHOD FOR A PETROL ENGINE HAVING A LOW-PRESSURE EGR CIRCUIT
(73) Valeo Systèmes de Contrôle Moteur
(72) LUTZ, Philippe
POTTEAU, Sébastien
ALBERT, Laurent
(31) 0707095
(32) 10.10.2007
(33) France

(51) F02D 35/02
F02D 41/04
F02D 41/40
F02D 45/00
(11) EP2447514
(21) EP11742150.3
(47) 08.01.2020
(87) JP2011052106
18.08.2011
(22) 02.02.2011
(54) FUEL INJECTION CONTROL DEVICE AND METHOD FOR DIESEL ENGINE
(73) Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.
(72) YAMADA, Satoshi
(31) 2010028418
(32) 12.02.2010
(33) Japan

(51) F02D 41/00
F02D 41/04
F02D 41/40
F02D 45/00
(11) EP3196449
(21) EP15835722.8
(47) 08.01.2020
(87) JP2015072158
03.03.2016
(22) 05.08.2015
(54) CONTROL DEVICE OF INTERNAL COMBUSTION ENGINE
(73) Hitachi Automotive Systems, Ltd.
(72) MATSUDA, Satoshi
TOYOHARA, Masahiro
MUKAIHARA, Osamu
IJYUIN, Makoto
(31) 2014176437
(32) 29.08.2014
(33) Japan

(51) F02D 41/00
F02M 21/02
(11) EP3408523
(21) EP17700891.9
(47) 08.01.2020
(87) EP2017000065
03.08.2017
(22) 19.01.2017
(54) FUEL GAS INJECTOR APPARATUS AND METHOD
(73) L'Orange GmbH
(72) BERGER, Ingmar
KOCH, Hans-Joachim
NITSCHE, Michael
SIEBERT, Steffen
(31) 102016000894
(32) 28.01.2016
(33) Germany

(51) F02D 41/14
F02D 41/30
F02D 41/38
F02M 37/00
F02M 59/36
(11) EP2728159
(21) EP11869151.8
(47) 08.01.2020
(87) JP2011065224
10.01.2013
(22) 01.07.2011
(54) FUEL INJECTION CONTROL SYSTEM FOR AN INTERNAL COMBUSTION ENGINE
(73) Toyota Jidosha Kabushiki Kaisha
(72) KOJIMA, Susumu

(51) F02D 41/24
F02P 5/15
F02P 5/152
(11) EP3198137
(21) EP15771172.2
(47) 08.01.2020
(87) FR2015052281
31.03.2016
(22) 27.08.2015
(54) METHOD FOR ADJUSTING THE IGNITION ADVANCE BY TRIGGERING A CALCULATION OF AN ADAPTIVE CORRECTION
(73) PSA Automobiles SA
(72) PARODI, Julien
BRENOT, Sebastien
DAMBRICOURT, Frederic
(31) 1459035
(32) 24.09.2014
(33) France

(51) F02D 41/40
F02M 51/04
F02M 59/36
F02M 59/44
F02M 59/46
F02M 63/00
(11) EP3249213
(21) EP16740007.6
(47) 08.01.2020
(87) JP2016050601
28.07.2016
(22) 12.01.2016
(54) HIGH-PRESSURE FUEL SUPPLY DEVICE FOR INTERNAL COMBUSTION ENGINE
(73) Hitachi Automotive Systems, Ltd.
(72) ARIHARA, Yoshinobu
OKAMOTO, Takashi
(31) 2015009782
(32) 21.01.2015
(33) Japan

(51) F02F 1/42
(11) EP3141728
(21) EP16187408.6
(47) 08.01.2020
(22) 06.09.2016
(54) INTERNAL COMBUSTION ENGINE
(73) Toyota Jidosha Kabushiki Kaisha

(72) YAMAMOTO, Yasuhiro
NAGASAKI, Taketo
MIYAMOTO, Yosuke
MIYARA, Naoyuki
TAKAGAWA, Hajime
(31) 2015176934
(32) 08.09.2015
(33) Japan

(51) F02F 7/00
F16C 3/06
F16C 9/02
F16C 33/58
(11) EP3366935
(21) EP18158055.6
(47) 08.01.2020
(22) 22.02.2018
(54) ASSEMBLY OF AN OUTER RING OF A GUIDING BEARING AT THE END OF A CRANKSHAFT ON A CRANKCASE
(73) NTN-SNR Roulements
(72) TEILLOU, Cyprien
(31) 1751511
(32) 24.02.2017
(33) France

(51) F02F 11/00
F16J 15/12
(11) EP3315752
(21) EP16196348.3
(47) 08.01.2020
(22) 28.10.2016
(54) ELASTIC SEAL
(73) Frenzelit GmbH
(72) Steinert, Theresa
Will, Andreas
Moritz, Stephanie

(51) F02G 5/02
F02M 25/022
(11) EP3093474
(21) EP16166306.7
(47) 08.01.2020
(22) 21.04.2016
(54) WATER RECOVERY DEVICE
(73) NGK Insulators, Ltd.
(72) MIYAIRI, Yukio
MIWA, Shinichi
(31) 2015098473
(32) 13.05.2015
(33) Japan

(51) F02K 1/12
F02K 1/15
(11) EP3199790
(21) EP16199268.0
(47) 08.01.2020
(22) 17.11.2016
(54) CONTROL SYSTEM FOR A VARIABLE AREA FAN NOZZLE COMPRISING A FIBER OPTICAL SYSTEM AND METHOD
(73) The Boeing Company
(72) Jackowski, Jason J.
Karnofski, Kent E.
(31) 201615009298
(32) 28.01.2016
(33) United States of America

(51) F02M 35/10
F02M 35/12
(11) EP3112658
(21) EP15380024.8
(47) 08.01.2020
(22) 03.07.2015
(54) MUFFLER ARRANGEMENT
(73) MANN+HUMMEL GmbH
(72) Sánchez, Jorge
Olivan, Juan Jose

(51) F02M 35/10
F02M 35/16
F02M 61/14
(11) EP3198133
(21) EP15767113.2
(47) 08.01.2020
(87) EP2015070646
31.03.2016
(22) 09.09.2015
(54) INTAKE PIPE FOR AN INTERNAL COMBUSTION ENGINE
(73) Volkswagen Aktiengesellschaft
(72) LAUMANN, Alfons
GÖSCHEL, Marcus
(31) 102014219036
(32) 22.09.2014
(33) Germany

(51) F02M 47/02
F02M 55/00
(11) EP3440335
(21) EP17713956.5
(47) 08.01.2020
(87) EP2017057322
12.10.2017
(22) 28.03.2017
(54) FUEL INJECTOR
(73) Delphi Technologies IP Limited
(72) ENTERS, Richard, Denis, Jacques, Alain
MARCON, Laurent
PITON, Anthony
SAUVETRE, Ludovic
(31) 201605655
(32) 04.04.2016
(33) United Kingdom

(51) F02M 47/02
F02M 61/12
(11) EP3399177
(21) EP18173371.8
(47) 08.01.2020
(22) 16.03.2017
(54) FUEL INJECTOR
(73) Delphi Technologies IP Limited
(72) PRICE, Kevin
SULLIVAN, Kris
(31) 201604455
(32) 16.03.2016
(33) United Kingdom

(51) F02M 55/02
F02M 69/46
(11) EP2896817
(21) EP14194462.9
(47) 08.01.2020
(22) 24.11.2014
(54) FUEL INJECTION SYSTEM WITH A FUEL CONVEYING COMPONENT, A FUEL INJECTOR VALVE AND A CONNECTOR
(73) ROBERT BOSCH GMBH
(72) Rettig, Ingo
Madappa, Chandrashekar
Blob, Herbert
Saligrama, Prakasha
Rehwald, Andreas
Karne, Arunkumar
Guengoer, Goekhan
(31) 102014200603
(32) 15.01.2014
(33) Germany

(51) F02M 61/12
F02M 65/00
F16K 37/00
(11) EP3332112
(21) EP16744779.6
(47) 08.01.2020
(87) EP2016068104
09.02.2017
(22) 28.07.2016
(54) INJECTION NOZZLE
(73) Delphi Technologies IP Limited
(72) BEDUNEAU, Jean-Luc
LEGRAND, Philippe
(31) 201513643
(32) 03.08.2015
(33) United Kingdom

(51) F02M 63/00
F02M 63/02
(11) EP3032090
(21) EP15192577.3
(47) 08.01.2020
(22) 02.11.2015
(54) SWITCHING OR PRESSURE CONTROL VALVE FOR A FUEL INJECTION SYSTEM
(73) ROBERT BOSCH GMBH
(72) Jaegle, Felix
(31) 102014225323
(32) 09.12.2014
(33) Germany

(51) F02N 7/08
F02N 11/08
F02N 15/06
(11) EP2417347
(21) EP10762012.2
(47) 08.01.2020
(87) US2010022840
14.10.2010
(22) 02.02.2010
(54) AIR STARTER ENGAGEMENT SYSTEM
(73) Ingersoll Rand Company
(72) EICHENBERGER, David, A.
CAVINESS, Richard, L.
(31) 419056
(32) 06.04.2009
(33) United States of America

(51) F02N 11/08
H01H 1/025
H01H 11/04
H01H 50/20
H01H 50/54
H01H 51/06
(11) EP2846035
(21) EP14177574.2
(47) 08.01.2020
(22) 18.07.2014
(54) Solenoid switch and starter
(73) SEG Automotive Germany GmbH
(72) Song, Wei
Li, Jian
(31) 201310319400

(32) 26.07.2013
(33) China

(51) F02P 9/00
F02P 15/10
(11) EP3374626
(21) EP16791612.1
(47) 08.01.2020
(87) EP2016076983
18.05.2017
(22) 08.11.2016
(54) METHOD AND APPARATUS TO CONTROL AN IGNITION SYSTEM
(73) Delphi Automotive Systems Luxembourg SA
(72) FRANK, Lorenz
WEYAND, Peter
(31) 201519699
(32) 09.11.2015
(33) United Kingdom

(51) F03B 13/14
F03B 15/00
F16H 19/04
F16H 25/20
F16H 31/00
G05B 11/01
F03D 9/00
F03D 9/25
F03D 15/10
(11) EP3267030
(21) EP16758417.6
(47) 08.01.2020
(87) CN2016071354
09.09.2016
(22) 19.01.2016
(54) WAVE-WIND MUTUALLY SUPPLEMENTING POWER SUPPLY SYSTEM FOR CONTINUOUS POWER GENERATION
(73) Weng, Wen-kai
Weng, Yuan-yu
Chen, Chien-Jung
(72) Weng, Wen-kai
Weng, Yuan-yu
Chen, Chien-Jung
(31) 201510097533
(32) 05.03.2015
(33) China

(51) F03B 13/26
(11) EP3400383
(21) EP16808823.5
(47) 08.01.2020
(87) NO2016050227
13.07.2017
(22) 11.11.2016
(54) TIDAL POWERPLANT
(73) Norway Tide Power AS
(72) WEE, Gustav
(31) 20160036
(32) 08.01.2016
(33) Norway

(51) F03C 1/06
F03C 1/40
F04B 1/20
F04B 1/24
(11) EP2598749
(21) EP11746648.2
(47) 08.01.2020
(87) IB2011053249
02.02.2012
(22) 21.07.2011
(54) AXIAL PISTON MACHINE
(73) Dana Motion Systems Italia S.R.L.
(72) BREVINI, Maurizio
(31) MO20100215
(32) 26.07.2010
(33) Italy

(51) F03D 1/04
F03D 1/06
F03D 9/00
F03D 80/70
(11) EP3052802
(21) EP14850130.7
(47) 08.01.2020
(87) US2014059349
09.04.2015
(22) 06.10.2014
(54) UPTOWER WIND TURBINE COMPONENT REPLACEMENT
(73) Inventus Holdings, LLC
(72) LOHAN, Martin, E.
FENGER, Per, Eske
ASHEIM, Charles
GONZALEZ, Miguel, A.
BRAKE, Daniel, M.
(31) 201361886985 P
(32) 04.10.2013
(33) United States of America

(51) F03D 1/06
(11) EP3380721
(21) EP16805278.5
(47) 08.01.2020
(87) DK2016050393
01.06.2017
(22) 23.11.2016
(54) IMPROVEMENTS RELATING TO THE MANUFACTURE OF WIND TURBINE BLADES
(73) Vestas Wind Systems A/S
(72) SMITH, Jonathan
CORSHAM, Trevor
WARDROPPER, Steve
(31) 201570764
(32) 26.11.2015
(33) Denmark

(51) F03D 1/06
(11) EP3431749
(21) EP17182127.5
(47) 08.01.2020
(22) 19.07.2017
(54) EXTENDER FOR FIXING A ROTOR BLADE TO A ROTOR HUB HOUSING OF A WIND TURBINE, METHOD FOR PRODUCING AN EXTENDER AND METHOD FOR MOUNTING AN EXTENDER
(73) Nordex Energy GmbH
(72) Manteuffel, Christine
Muhamad, Ibrahim

(51) F03D 1/06
(11) EP3299613
(21) EP17190853.6
(47) 08.01.2020
(22) 13.09.2017
(54) ROTOR BLADE WITH TERMINATION FLANGE
(73) Senvion GmbH
(72) BENDEL, Urs
WERNER, Markus
RAMM, Julian
ZELLER, Lenz
EYB, Enno
ASMUSSEN, Clemens
(31) 102016011757
(32) 22.09.2016
(33) Germany

(51) F03D 1/06
(11) EP3421782
(21) EP18179686.3
(47) 08.01.2020
(22) 25.06.2018
(54) VORTEX GENERATOR AND WIND TURBINE BLADE ASSEMBLY
(73) MITSUBISHI HEAVY INDUSTRIES, LTD.
(72) HARADA, Motoshi
(31) 2017129862
(32) 30.06.2017
(33) Japan

(51) F03D 1/06
(11) EP2432992
(21) EP10720913.2
(47) 08.01.2020
(87) EP2010056808
25.11.2010
(22) 18.05.2010
(54) METHOD OF MANUFACTURING A WIND TURBINE BLADE HAVING PREDESIGNED SEGMENT
(73) LM Wind Power A/S
(72) FUGLSANG, Peter
BOVE, Stefano
FUGLSANG, Lars
(31) 09160496
(32) 18.05.2009
(33) European Patent Office (EPO)

(51) F03D 3/00
F03D 3/06
F03D 9/25
(11) EP3387252
(21) EP16808749.2
(47) 08.01.2020
(87) GB2016053750
15.06.2017
(22) 30.11.2016
(54) WIND TURBINE APPARATUSES
(73) Spinetic Energy Limited
(72) RODWAY, Giles
JOACHIM, Kurt
(31) 201521927
(32) 12.12.2015
(33) United Kingdom

(51) F03D 7/02
F03D 7/04
H02J 3/16
H02J 3/18
H02J 3/38
H02J 13/00
(11) EP3075051
(21) EP14795548.8
(47) 08.01.2020
(87) DK2014050361
04.06.2015
(22) 04.11.2014
(54) CONTROL OF REACTIVE POWER IN A WIND POWER PLANT
(73) Vestas Wind Systems A/S

(72) GARCIA, Jorge Martinez
LÆRKE, Rasmus
MØLLER, Henrik
NAYEBI, Kouroush
ROKOFYLLOS, Athanasios
WEI, Mu
(31) 201370726
(32) 28.11.2013
(33) Denmark

(51) F03D 7/02
H02K 7/06
H02K 7/102
(11) EP2328261
(21) EP10014735.4
(47) 08.01.2020
(22) 18.11.2010
(54) Electric actuator
(73) Krebs & Aulich GmbH
(72) Witte, Friedrich
Krebs, Jörg-H.
(31) 102009055708
(32) 26.11.2009
(33) Germany

(51) F03D 7/04
F03D 17/00
(11) EP3380724
(21) EP16797734.7
(47) 08.01.2020
(87) DK2016050359
01.06.2017
(22) 09.11.2016
(54) A METHOD FOR MONITORING AND ASSESSING POWER PERFORMANCE CHANGES OF A WIND TURBINE
(73) Vestas Wind Systems A/S
(72) KNUDSEN, Sven Jesper
NIELSEN, Carsten Krogh
(31) 201570766
(32) 26.11.2015
(33) Denmark

(51) F03D 7/04
F03D 17/00
(11) EP3380727
(21) EP16801958.6
(47) 08.01.2020
(87) DK2016050374
01.06.2017
(22) 18.11.2016
(54) A METHOD FOR ASSESSING PERFORMANCE IMPACT OF A POWER UPGRADE
(73) Vestas Wind Systems A/S
(72) BELTOFT, Dan
KNUDSEN, Sven Jesper
NIELSEN, Carsten Krogh
(31) 201570767
(32) 26.11.2015
(33) Denmark

(51) F03D 7/04
H04L 9/32
H04L 29/06
G06F 21/33
(11) EP3243310
(21) EP15816467.3
(47) 08.01.2020
(87) EP2015080736
14.07.2016
(22) 21.12.2015
(54) METHOD OF AUTHORIZATION FOR CONTROL ACCESS TO WIND POWER INSTALLATIONS, AND ALSO INTERFACE FOR WIND POWER INSTALLATIONS AND CERTIFICATION CENTRE
(73) Wobben Properties GmbH
(72) JAKOBS, Thorsten
DEMUTH, Simon
GIERTZ, Helge
(31) 102015200209
(32) 09.01.2015
(33) Germany

(51) F03G 6/06
F28D 20/00
(11) EP3152510
(21) EP15730289.4
(47) 08.01.2020
(87) IB2015054269
10.12.2015
(22) 05.06.2015
(54) FACILITY FOR CONVERTING HEAT INTO MECHANICAL ENERGY WITH OPTIMISED COOLING BY A SYSTEM FOR RECOVERING AND STORING A PORTION OF THE HEAT ENERGY OF THE WORKING FLUID
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) BOURDON, Delphine
BRUCH, Arnaud
COUTURIER, Raphaël
(31) 1455124
(32) 05.06.2014
(33) France

(51) F04B 1/12
F04B 1/20
F04B 1/32
(11) EP2634425
(21) EP13156713.3
(47) 08.01.2020
(22) 26.02.2013
(54) HYDRAULIC PUMP
(73) Nabtesco Corporation
(72) MARUOKA, Masahiko
FUKUI, Atsushi
(31) 2012042266
(32) 28.02.2012
(33) Japan

(51) F04B 9/113
F04B 49/08
F04B 53/16
(11) EP2224132
(21) EP10152003.9
(47) 08.01.2020
(22) 28.01.2010
(54) Pumping device
(73) J.C.R. van der Hart Holding B.V.
(72) van der Hart, Johann Carl Rudolf
(31) 2002460
(32) 28.01.2009
(33) Netherlands

(51) F04B 11/00
F16L 55/027
F16L 55/04
(11) EP2954207
(21) EP14703820.2
(47) 08.01.2020
(87) EP2014052477
14.08.2014
(22) 07.02.2014
(54) HOMOGENIZER
(73) Tetra Laval Holdings & Finance SA
(72) SKOGLUND, Tomas
HANSSON, Rikard
JOHANSSON, Fredrik
(31) 1350157
(32) 11.02.2013
(33) Sweden

(51) F04B 17/03
F04B 17/06
F04B 49/06
F04D 13/06
F04D 27/00
(11) EP3143279
(21) EP15716441.9
(47) 08.01.2020
(87) EP2015056455
19.11.2015
(22) 25.03.2015
(54) METHOD FOR OPERATION OF A PUMP SYSTEM AND A PUMP SYSTEM
(73) WIWA WILHELM WAGNER GMBH & CO. KG
(72) TURCZAK, Peter
SCHERER, Dirk
(31) 102014209155
(32) 14.05.2014
(33) Germany

(51) F04B 23/02
F04B 49/04
F04B 53/06
F04B 53/12
F04B 53/16
F16K 21/18
F16K 31/18
F16K 31/24
F16N 7/38
F16N 11/08
F16N 13/22
F16N 19/00
F16N 37/00
F16N 39/00
(11) EP3286482
(21) EP16783955.4
(47) 08.01.2020
(87) US2016028891
27.10.2016
(22) 22.04.2016
(54) RESERVOIR OVERFILL PROTECTION
(73) Graco Minnesota Inc.
(72) HOLMAN, John, C.
ATKINSON, Mike, V.
PAAR, Benjamin, J.
GUSTAFSON, Brandon, T.
(31) 201562151593 P
201562154222 P
201662302395 P
201662302417 P
(32) 23.04.2015
29.04.2015
02.03.2016
02.03.2016
(33) United States of America
United States of America
United States of America

United States of America

(51) F04B 35/04
H02K 33/16
(11) EP2966301
(21) EP15175405.8
(47) 08.01.2020
(22) 06.07.2015
(54) LINEAR COMPRESSOR AND LINEAR MOTOR
(73) LG Electronics Inc.
(72) HONG, Eonpyo
JUNG, Wonhyun
BYUN, Jeonguk
(31) 20140084531
(32) 07.07.2014
(33) Korea (Republic)

(51) F04B 43/02
F04B 43/04
F04B 45/04
F04B 45/047
F04B 53/10
F04B 53/22
(11) EP3306090
(21) EP16887181.2
(47) 08.01.2020
(87) CN2016072799
03.08.2017
(22) 29.01.2016
(54) PIEZOELECTRIC CERAMIC AIR PUMP AND CONSTRUCTION METHOD THEREOF
(73) Shenzhen Xingrisheng Industrial Co., Ltd.
(72) WEI, Tiansheng

(51) F04C 2/10
(11) EP3380733
(21) EP16800919.9
(47) 08.01.2020
(87) EP2016078301
01.06.2017
(22) 21.11.2016
(54) GEAR PUMP
(73) Robert Bosch GmbH
(72) MEDORO, Nello
(31) UB20155909
(32) 25.11.2015
(33) Italy

(51) F04D 1/06
F04D 13/06
F04D 29/08
F04D 29/58
(11) EP2916008
(21) EP15158048.7
(47) 08.01.2020
(22) 06.03.2015
(54) IMPROVED ELECTRIC PUMP PARTICULARLY SUITABLE FOR PUMPING LIQUIDS CONTAINING SOLID IMPURITIES
(73) CALPEDA S.p.A.
(72) Matteazzi, Giuliano
Zamberlan, Fiorenzo
(31) VI20140052
(32) 07.03.2014
(33) Italy

(51) F04D 13/06
(11) EP3232065
(21) EP17163473.6
(47) 08.01.2020
(22) 29.03.2017
(54) PUMP MOTOR WITH A FIXED BEARING
(73) Bühler Motor GmbH
(72) WEISKE, Klaus
(31) 102016206405
(32) 15.04.2016
(33) Germany

(51) F04D 13/06
F04D 29/02
F04D 29/42
F04D 29/58
H02K 5/02
(11) EP2949941
(21) EP15169799.2
(47) 08.01.2020
(22) 29.05.2015
(54) MOTOR CASING FOR PUMPS, PARTICULARLY CENTRIFUGAL PUMPS AND PERIPHERAL CENTRIFUGAL PUMPS
(73) Dab Pumps S.p.A.
(72) SINICO, Francesco
CAILOTTO, Pietro
(31) PD20140134
(32) 30.05.2014
(33) Italy

(51) F04D 15/00
F04D 15/02
(11) EP3428454
(21) EP17181341.3
(47) 08.01.2020
(22) 14.07.2017
(54) DETERMINATION OF A ZERO-FLOW CHARACTERISTIC CURVE OF A PUMP IN A MULTI-PUMP SYSTEM
(73) Grundfos Holding A/S
(72) HILLERUP LYHNE, Casper

(51) F04D 15/00
F04D 15/02
F24D 17/00
F24D 19/10
(11) EP3377770
(21) EP16798445.9
(47) 08.01.2020
(87) EP2016077579
26.05.2017
(22) 14.11.2016
(54) PUMP DEVICE, SERVICE WATER SYSTEM, METHOD FOR OPERATING THE SERVICE WATER SYSTEM AND SELF-LEARNING METHOD FOR THE PUMP DEVICE IN THE SERVICE WATER SYSTEM
(73) Xylem Europe GmbH
(72) LAING, Oliver
(31) 102015119883
(32) 17.11.2015
(33) Germany

(51) F04D 17/16
F04D 19/04
F04D 29/54
F04D 29/64
(11) EP2913533
(21) EP15152240.6
(47) 08.01.2020
(22) 23.01.2015
(54) Stator disc
(73) PFEIFFER VACUUM GMBH
(72) Stoll, Tobias
Antonacci, Marco
(31) 102014102681
(32) 28.02.2014
(33) Germany

(51) F04D 17/16
F04D 25/06
F04D 29/08
H02K 5/10
(11) EP2355309
(21) EP11153537.3
(47) 08.01.2020
(22) 07.02.2011
(54) ELECTRIC FAN WITH FEATURE TO AVOID LIQUID INGRESSION
(73) Sanyo Denki Co., Ltd.
(72) Kudo, Naruhiko
Maruyama, Haruhisa
Ikeda, Tomoaki
(31) 2010025860
(32) 08.02.2010
(33) Japan

(51) F04D 17/16
F04D 25/08
F04D 29/58
F24C 15/20
H02K 5/20
H02K 9/06
(11) EP2602489
(21) EP12195045.5
(47) 08.01.2020
(22) 30.11.2012
(54) Household extractor hood and method for cooling a motor of a fan device of the extractor hood
(73) BSH Hausgeräte GmbH
(72) Meinhardt, Gert
Metz, Daniel
Schlotmann, Peter
(31) 102011088074
(32) 09.12.2011
(33) Germany

(51) F04D 17/16
F04D 29/44
(11) EP3133295
(21) EP16183507.9
(47) 08.01.2020
(22) 10.08.2016
(54) DIFFUSER, AIRFLOW GENERATING APPARATUS, AND ELECTRICAL DEVICE
(73) Johnson Electric International AG
(72) Fang, Chuan Hui
Xue, Feng
Li, Hong Guang
He, Huan
(31) 201510520945
(32) 21.08.2015
(33) China

(51) F04D 19/00
F04D 25/06
F04D 25/08
F04D 29/32
F04D 29/52
F04D 29/58
H02K 7/14
H02K 16/02

(11) EP3147510
(21) EP15810934.8
(47) 08.01.2020
(87) KR2015004825
30.12.2015
(22) 14.05.2015
(54) CORELESS DONUT-TYPE MOTOR FAN FOR VENTILATION AND COOLING
(73) Jang, Suk Ho
(72) Jang, Suk Ho
(31) 20140077824
(32) 25.06.2014
(33) Korea (Republic)

(51) F04D 19/04
F04D 29/08
F04D 29/60
F04D 29/66
(11) EP3171030
(21) EP15195364.3
(47) 08.01.2020
(22) 19.11.2015
(54) VACUUM PUMP
(73) PFEIFFER VACUUM GMBH
(72) Stoll, Tobias
Schweighöfer, Michael
Lohse, Martin
Hofmann, Jan
Walz, Robert

(51) F04D 25/06
H02K 5/128
H02K 5/22
H02K 7/14
H02K 15/14
H02K 11/00
H02K 11/30
H02K 11/33
(11) EP3232546
(21) EP17163477.7
(47) 08.01.2020
(22) 29.03.2017
(54) CENTRIFUGAL PUMP MOTOR
(73) Bühler Motor GmbH
(72) EHRSAM, Jürgen
WEISKE, Klaus
RAUSCH, Harald
STÜCKL, Florian
WEISS, Jens
(31) 102016206402
(32) 15.04.2016
(33) Germany

(51) F04D 25/08
H02K 1/20
H02K 1/22
H02K 9/00
H02K 9/20
(11) EP3035493
(21) EP14836445.8
(47) 08.01.2020
(87) CN2014083551
19.02.2015
(22) 01.08.2014
(54) PERMANENT MAGNET MOTOR, REFRIGERATION COMPRESSOR, AND AIR CONDITIONING UNIT
(73) Gree Electric Appliances, Inc. of Zhuhai
(72) FAN, Zhao
DING, Yabin
CHEN, Ying
LIU, Huaican
(31) 201310352017
(32) 13.08.2013
(33) China

(51) F04D 27/00
F04D 29/02
F04D 29/38
(11) EP3172447
(21) EP15741170.3
(47) 08.01.2020
(87) EP2015066661
28.01.2016
(22) 21.07.2015
(54) BLADE FOR AN IMPELLER
(73) ebm-papst Mulfingen GmbH & Co. KG
(72) ECCARIUS, Michael
STRENG, Gunter
(31) 102014214460
102014216266
(32) 23.07.2014
15.08.2014
(33) Germany
Germany

(51) F04D 29/02
F04D 29/32
F04D 29/34
F04D 29/38
F04D 29/64
(11) EP3263910
(21) EP17177019.1
(47) 08.01.2020
(22) 01.05.2015
(54) COMPOSITE BLADE FOR A MODULAR AXIAL FLOW FAN AND METHOD OF MANUFACTURING THE SAME
(73) Horton, Inc.
(72) CAHILL, Kevin
STRAUSS, Eric
BURCHETT, Doug
SHOGREN, Charles Mark
(31) 201461988582 P
(32) 05.05.2014
(33) United States of America

(51) F04D 29/051
F04D 29/058
F04D 29/059
F16C 32/04
(11) EP2808551
(21) EP13169911.8
(47) 08.01.2020
(22) 30.05.2013
(54) Rotating machine with at least one active magnetic bearing and auxiliary rolling bearings
(73) Nuovo Pignone S.r.l.
(72) Mei, Luciano
Bigi, Manuele
Sassanelli, Giuseppe

(51) F04D 29/32
F04D 29/38
(11) EP3114354
(21) EP15706434.6
(47) 08.01.2020
(87) EP2015053537
11.09.2015
(22) 19.02.2015
(54) FAN WHEEL OF AN AXIAL FAN
(73) MAHLE Behr GmbH & Co. KG
(72) LARPENT, Stephanie
BLASS, Uwe
ZIPF, Nikolaus
(31) 102014204043
(32) 05.03.2014
(33) Germany

(51) F04D 29/42
F04D 29/44
F16L 43/00
F16L 55/00
(11) EP3392510
(21) EP17741458.8
(47) 08.01.2020
(87) JP2017001663
27.07.2017
(22) 19.01.2017
(54) PIPING FOR DRIVEN-TYPE FLUID MACHINE
(73) Mitsubishi Heavy Industries Compressor Corporation
(72) NAKANIWA, Akihiro
TASAKI, Akinori
(31) 2016010522
(32) 22.01.2016
(33) Japan

(51) F15B 1/10
F16L 55/053
(11) EP3094866
(21) EP14808500.4
(47) 08.01.2020
(87) EP2014003197
23.07.2015
(22) 29.11.2014
(54) HYDRAULIC ACCUMULATOR
(73) Hydac Technology GmbH
(72) BALTES, Herbert
KLOFT, Peter
(31) 102014000378
(32) 14.01.2014
(33) Germany

(51) F15B 11/024
F15B 11/036
(11) EP2420681
(21) EP11006709.7
(47) 08.01.2020
(22) 17.08.2011
(54) Hydraulic linear drive device
(73) Robert Bosch GmbH
(72) Beckmann, Bastian
(31) 102010034610
(32) 18.08.2010
(33) Germany

(51) F15B 13/043
(11) EP3201476
(21) EP15781251.2
(47) 08.01.2020
(87) US2015053225
07.04.2016
(22) 30.09.2015
(54) TWO-STAGE CLOSED CENTER ELECTRO-HYDRAULIC VALVE
(73) Moog Inc.
(72) KOPP, John
MAZURKIEWICZ, Christopher
(31) 201462058490 P
(32) 01.10.2014
(33) United States of America

(51) F15B 15/28
(11) EP3149344
(21) EP14757982.5
(47) 08.01.2020
(87) IT2014000145
03.12.2015
(22) 27.05.2014
(54) END-OF-STROKE SIGNALLING DEVICE FOR A HYDRAULIC ACTUATOR
(73) MBDA ITALIA S.p.A.
(72) PIERGIOVANNI, Alessio
BIAGI, Bruno
COPPOLA, Massimo
DRAGANI, Teodoro Andrea

(51) F16B 2/24
F16B 5/06
H02G 3/14
H05K 7/00
(11) EP3470689
(21) EP18195051.0
(47) 08.01.2020
(22) 18.09.2018
(54) FIXING DEVICE AND METHOD FOR MOUNTING A SENSOR IN AN OPENING
(73) Sick AG
(72) Scholder, Jochen
Schätzle, Sebastian
(31) 102017123485
(32) 10.10.2017
(33) Germany

(51) F16B 4/00
F16B 37/04
(11) EP3030796
(21) EP14745159.5
(47) 08.01.2020
(87) EP2014066619
12.02.2015
(22) 01.08.2014
(54) FLOATING NUT
(73) Lisi Aerospace
(72) VERDIER, Florent
(31) 1357772
(32) 05.08.2013
(33) France

(51) F16B 5/02
F16B 25/00
F16B 25/10
(11) EP3097314
(21) EP15700690.9
(47) 08.01.2020
(87) EP2015050842
30.07.2015
(22) 19.01.2015
(54) METHOD FOR PRODUCING A SECURING ARRANGEMENT AND USE OF A SCREW FOR PRODUCING A SECURING ARRANGEMENT
(73) SFS Intec Holding AG
(72) MAIR, Roland
ZÄCH, Marco
(31) 102014000894
(32) 23.01.2014
(33) Germany

(51) F16B 12/20
(11) EP3401556
(21) EP18158595.1
(47) 08.01.2020
(22) 26.02.2018
(54) FRONT PANELS CONNECTION FITTING
(73) Anton Schneider GmbH & Co KG
(72) WEBER, Heimo
(31) 202017102763 U
(32) 09.05.2017
(33) Germany

(51) F16D 3/223
B21K 1/14
B21K 1/76
B23K 15/00
B23K 31/12
B23K 33/00
B23K 101/04
F16D 3/20
G01N 29/04
G01N 29/24
G01N 29/275
B23K 26/21
(11) EP3124813
(21) EP15769808.5
(47) 08.01.2020
(87) JP2015058932
01.10.2015
(22) 24.03.2015
(54) METHOD OF MANUFACTURING OUTER JOINT MEMBER OF CONSTANT VELOCITY UNIVERSAL JOINT
(73) NTN Corporation
(72) OSUGI Masafumi
UENO Tsuyoshi
SUZUKI Shintaro
HAYASHI Hiromi
SUGIYAMA Tatsuro
(31) 2014068411
2015013330
(32) 28.03.2014
27.01.2015
(33) Japan
Japan

(51) F16D 48/08
(11) EP3380741
(21) EP16797877.4
(47) 08.01.2020
(87) EP2016077872
01.06.2017
(22) 16.11.2016
(54) METHOD FOR CONTROLLING THE CLUTCH OF A MOTOR VEHICLE
(73) Volkswagen Aktiengesellschaft
(72) FOREJTEK, Martin
KALMS, Rene
(31) 102015223266
(32) 25.11.2015
(33) Germany

(51) F16D 55/2255
F16D 65/56
(11) EP3374654
(21) EP16794584.9
(47) 08.01.2020
(87) EP2016076996
18.05.2017
(22) 08.11.2016
(54) DISK BRAKE FOR A UTILITY VEHICLE
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH
(72) WEBER, Ralf
KLINGNER, Matthias
GRGIC, Stipo
(31) 102015119194
(32) 09.11.2015
(33) Germany

(51) F16D 55/228
(11) EP3087291
(21) EP14835523.3
(47) 08.01.2020
(87) IB2014067307
02.07.2015
(22) 24.12.2014
(54) DISC BRAKE CALIPER BODY AND DISC BRAKE CALIPER
(73) Freni Brembo S.p.A.
(72) CRIPPA, Cristian
SCOTTI, Fabio
PUDDU, Armando
(31) MI20132211
(32) 27.12.2013
(33) Italy

(51) F16D 55/36
F16D 65/16
F16D 66/02
(11) EP3250450
(21) EP16744076.7
(47) 08.01.2020
(87) US2016015271
04.08.2016
(22) 28.01.2016
(54) ELECTROMAGNETIC-RELEASED, MULTI-DISC ENCLOSED SAFETY BRAKE
(73) PT TECH, LLC
(72) COLE, Richard, E., Jr.
CLAPP, Timothy A.
FARWELL, David A.
(31) 201562109205 P
201562206964 P
(32) 29.01.2015
19.08.2015
(33) United States of America
United States of America

(51) F16D 65/095
F16D 65/097
(11) EP2959178
(21) EP14753454.9
(47) 08.01.2020
(87) US2014017576
28.08.2014
(22) 21.02.2014
(54) DISC BRAKE ASSEMBLY WITH NON-ROTATABLE VEHICLE COMPONENT AND METHOD FOR PRODUCING SAME
(73) ZF Active Safety US Inc.
(72) MORAIS, Eduardo
SMITH, Daniel
LINTNER, Sky
(31) 201313772395
(32) 21.02.2013
(33) United States of America

(51) F16D 65/52
F16D 65/56
(11) EP3510300
(21) EP17768060.0
(47) 08.01.2020
(87) EP2017072579
15.03.2018
(22) 08.09.2017
(54) ADJUSTER FOR A BRAKING SYSTEM

(73) SAF-HOLLAND GmbH
(72) DREWES, Olaf
(31) 102016116961
(32) 09.09.2016
(33) Germany

(51) F16F 6/00
G06F 3/01
G08B 6/00
(11) EP3176676
(21) EP15827107.2
(47) 08.01.2020
(87) KR2015007849
04.02.2016
(22) 28.07.2015
(54) HAPTIC INFORMATION PROVIDING MODULE
(73) CK Materials Lab Co., Ltd.
(72) DO, Seoung Hun
KIM, Hyeong Jun
(31) 20140095945
20140173732
(32) 28.07.2014
05.12.2014
(33) Korea (Republic)
Korea (Republic)

(51) F16F 9/512
(11) EP3380745
(21) EP16801799.4
(47) 08.01.2020
(87) EP2016079053
01.06.2017
(22) 28.11.2016
(54) FREQUENCY-SELECTIVE DAMPER VALVE, AND SHOCK ABSORBER AND PISTON HAVING SUCH VALVE
(73) KONI B.V.
(72) DE KOCK, Paul
(31) 2015876
(32) 27.11.2015
(33) Netherlands

(51) F16F 9/512
(11) EP3380744
(21) EP16801798.6
(47) 08.01.2020
(87) EP2016079051
01.06.2017
(22) 28.11.2016
(54) SHOCK ABSORBER WITH COMFORT VALVE
(73) KONI B.V.
(72) DE KOCK, Paul
(31) 2015875
(32) 27.11.2015
(33) Netherlands

(51) F16F 9/512
(11) EP3380746
(21) EP16801800.0
(47) 08.01.2020
(87) EP2016079054
01.06.2017
(22) 28.11.2016
(54) SHOCK ABSORBER WITH IMPROVED PISTON ARCHITECTURE
(73) KONI B.V.
(72) DE KOCK, Paul
(31) 2015877
(32) 27.11.2015
(33) Netherlands

(51) F16F 15/121
F16F 15/16
(11) EP3015737
(21) EP14191522.3
(47) 08.01.2020
(22) 03.11.2014
(54) Torsional vibration damper
(73) Ellergon Antriebstechnik GmbH
(72) Geislinger, Matthias
Geislinger, Cornelius

(51) F16F 15/14
B60K 6/365
B60K 6/40
B60K 6/48
(11) EP3083305
(21) EP14827810.4
(47) 08.01.2020
(87) FR2014053237
25.06.2015
(22) 09.12.2014
(54) TRANSMISSION ASSEMBLY FOR MOTOR VEHICLE AND MOTOR VEHICLE
(73) Valeo Embrayages
(72) LEBAS, Gilles
LEBEAU, Fabien
(31) 1363321
(32) 20.12.2013
(33) France

(51) F16H 1/02
F42B 15/01
(11) EP3382325
(21) EP18164219.0
(47) 08.01.2020
(22) 27.03.2018
(54) LOCK CONTROL DEVICE OF DRIVE GEAR AND LOCK CONTROL DEVICE OF ACTUATOR
(73) Sinfonia Technology Co., Ltd.
(72) TSUJIMURA, Masaharu
SAITO, Katsuaki
(31) 2017064865
(32) 29.03.2017
(33) Japan

(51) F16H 1/12
F16H 1/20
H02K 1/18
H02K 7/102
H02K 7/106
H02K 7/116
H02K 15/14
H02K 11/00
H02K 11/33
H02K 11/38
(11) EP2264863
(21) EP10009701.3
(47) 08.01.2020
(22) 11.11.2004
(54) COMPACT DRIVE
(73) SEW-EURODRIVE GmbH & Co. KG
(72) Schmidt, Josef
Köhler, Bernhard
Leichter, Thomas
Mahlein, Jochen
(31) 10353226
PCT/EP2004/011150
(32) 13.11.2003
06.10.2004
(33) Germany
World Intellectual Property Office (WIPO)

(51) F16H 1/28
F16J 15/447
F16H 57/029
F16H 57/04
(11) EP3268634
(21) EP16703720.9
(47) 08.01.2020
(87) EP2016000218
15.09.2016
(22) 09.02.2016
(54) TRANSMISSION HAVING A PLANETARY GEAR STAGE
(73) Sew-Eurodrive GmbH & Co. KG
(72) HÜTTINGER, Alexander
(31) 102015003047
(32) 11.03.2015
(33) Germany

(51) F16H 3/00
F16H 3/089
(11) EP3126710
(21) EP14750146.4
(47) 08.01.2020
(87) EP2014002135
08.10.2015
(22) 02.08.2014
(54) GEARSHIFT TRANSMISSION FOR A MOTOR VEHICLE
(73) Audi AG
(72) HUMMEL, Steffen
(31) 102014004691
(32) 31.03.2014
(33) Germany

(51) F16H 7/08
(11) EP3452739
(21) EP17727081.6
(47) 08.01.2020
(87) DE2017100369
09.11.2017
(22) 03.05.2017
(54) HYDRAULIC TENSIONING DEVICE FOR A CHAIN DRIVE
(73) Schaeffler Technologies AG & Co. KG
(72) FUHRMANN, Rainer
ULLEIN, Thomas
(31) 102016207784
(32) 04.05.2016
(33) Germany

(51) F16H 9/18
F16H 57/035
(11) EP3382233
(21) EP16868449.6
(47) 08.01.2020
(87) JP2016084043
01.06.2017
(22) 17.11.2016
(54) BELT-TYPE CONTINUOUSLY VARIABLE TRANSMISSION, AND METHOD FOR ATTACHING ACTUATOR IN BELT-TYPE CONTINUOUSLY VARIABLE TRANSMISSION
(73) Honda Motor Co., Ltd.
Musashi Seimitsu Industry Co., Ltd.
(72) MATSUURA, Kohei
YOSHIZAWA, Hiroyasu
MORITA, Go

INOSE, Koji
TAKAISHI, Yusuke
YOKOTANI, Hitoshi
OKAMOTO, Teruhisa
(31) 2015230790
(32) 26.11.2015
(33) Japan

(51) F16H 25/06
F16H 49/00
(11) EP3168497
(21) EP16198498.4
(47) 08.01.2020
(22) 11.11.2016
(54) GEARBOX AND THE USE OF A GEARBOX
(73) WITTENSTEIN SE
(72) Schreiber, Heiko
Schmidt, Michael
(31) 102015119584
(32) 12.11.2015
(33) Germany

(51) F16H 48/11
F16H 48/36
(11) EP2612057
(21) EP11732452.5
(47) 08.01.2020
(87) EP2011062072
08.03.2012
(22) 14.07.2011
(54) PLANETARY GEAR FOR TRANSMITTING A DRIVING TORQUE IN A VEHICLE AND DRIVE UNIT COMPRISING THE PLANETARY GEAR
(73) Schaeffler Technologies AG & Co. KG
(72) SMETANA, Tomas
WURZBERGER, Philip
(31) 102010036243
(32) 03.09.2010
(33) Germany

(51) F16H 59/04
(11) EP3187753
(21) EP16199332.4
(47) 08.01.2020
(22) 17.11.2016
(54) GEAR SELECTION LEVER DEVICE FOR SELECTING AND/OR SWITCHING GEAR STAGES OF THE GEARBOX OF A MOTOR VEHICLE
(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(72) Luther, Norbert
Busch, Christian
(31) 102015226001
(32) 18.12.2015
(33) Germany

(51) F16H 61/00
F16L 13/007
F16L 13/14
F16L 33/22
F16L 37/00
F16L 37/02
F16L 37/088
F16L 41/03
(11) EP3097335
(21) EP14866682.9
(47) 08.01.2020
(87) US2014067759
04.06.2015
(22) 26.11.2014
(54) A FLUID COUPLING WITH LOCK CONNECTION
(73) Oetiker NY, Inc.
(72) KUJAWSKI, Anthony
FREMONT, Bradley
(31) 201361909474 P
(32) 27.11.2013
(33) United States of America

(51) F16J 15/00
F16J 15/34
F16J 15/36
F16J 15/3204
F16J 15/3212
(11) EP3220020
(21) EP15858567.9
(47) 08.01.2020
(87) JP2015081426
19.05.2016
(22) 09.11.2015
(54) SEAL DEVICE
(73) NOK Corporation
(72) NAKAGAWA Takehiro
(31) 2014228768
(32) 11.11.2014
(33) Japan

(51) F16J 15/06
F16J 15/10
F16J 15/12
(11) EP3111115
(21) EP15705821.5
(47) 08.01.2020
(87) EP2015053593
03.09.2015
(22) 20.02.2015
(54) METHOD FOR PRODUCING A FUNCTIONAL ELEMENT FOR FLAT SEALS, AND FUNCTIONAL ELEMENT FOR FLAT SEALS
(73) ElringKlinger AG
(72) SCHÖLLHAMMER, Jochen
HASSLER, Florian
(31) 102014102462
102014105806
(32) 25.02.2014
24.04.2014
(33) Germany
Germany

(51) F16J 15/10
F16J 15/12
F16L 23/18
F16L 23/22
(11) EP3321546
(21) EP17001816.2
(47) 08.01.2020
(22) 07.11.2017
(54) SEALING RING MADE OF ELASTOMERIC MATERIAL WITH REINFORCED INSERT
(73) Klinger AG
(72) Steffens, Robert
(31) 102016013485
(32) 11.11.2016
(33) Germany

(51) F16J 15/16
F16J 15/40
F16J 15/3232
F16J 15/3244
(11) EP3385579
(21) EP16870536.6
(47) 08.01.2020
(87) JP2016084899
08.06.2017
(22) 25.11.2016
(54) SEAL DEVICE
(73) NOK Corporation
(72) KOMYO Akihiro
ISHIBASHI Shinichi
NAKAGAWA Takehiro
(31) 2015233023
2015236466
(32) 30.11.2015
03.12.2015
(33) Japan
Japan

(51) F16J 15/40
F16J 15/3232
F16J 15/3244
F16J 15/3284
(11) EP3385578
(21) EP16870534.1
(47) 08.01.2020
(87) JP2016084895
08.06.2017
(22) 25.11.2016
(54) SEALING DEVICE
(73) NOK Corporation
(72) SAKANO Yuya
ONO Shigeyuki
YAMADA Takumi
(31) 2015233022
2015239969
(32) 30.11.2015
09.12.2015
(33) Japan
Japan

(51) F16K 1/34
F16K 1/38
F16K 1/42
(11) EP3215769
(21) EP15857805.4
(47) 08.01.2020
(87) US2015059401
12.05.2016
(22) 06.11.2015
(54) SELF-ALIGNING VALVE SEAL
(73) Swagelok Company
(72) BREGAZZI, Charles Kneen
IRVINE, Barry
STEPHENSON, Graham
(31) 201462076710 P
(32) 07.11.2014
(33) United States of America

(51) F16K 3/02
F16K 3/16
F16K 3/18
F16K 3/20
(11) EP2976559
(21) EP14822690.5
(47) 08.01.2020
(87) US2014045692
15.01.2015
(22) 08.07.2014
(54) GATE VALVE WITH SEAT ASSEMBLY
(73) Sundararajan, Alagarsamy
(72) Sundararajan, Alagarsamy

(31) 201361843701 P
201414311419
(32) 08.07.2013
23.06.2014
(33) United States of America
United States of America

(51) F16K 5/06
F16K 11/087
F16K 27/06
F24D 12/02
F24D 19/10
(11) EP3280937
(21) EP16722378.3
(47) 08.01.2020
(87) IB2016052011
13.10.2016
(22) 08.04.2016
(54) MULTIWAY VALVE WITH BYPASS CIRCUIT
(73) Giacomini S.p.A.
(72) ARRUS, Paolo
MOLINA, Samuele
ZUFFELLATO, Andrea
ALBERGANTI, Giacomo
ROSA BRUSIN, Marco
(31) MI20150504
(32) 09.04.2015
(33) Italy

(51) F16K 5/06
F16K 27/06
(11) EP3282154
(21) EP17183793.3
(47) 08.01.2020
(22) 28.07.2017
(54) SHUT-OFF VALVE
(73) Enolgas Bonomi S.p.A.
(72) LICCIARDELLO, Gaetano
(31) 201600083938
(32) 09.08.2016
(33) Italy

(51) F16K 7/17
F16K 31/122
F16K 31/126
(11) EP3436723
(21) EP17717307.7
(47) 08.01.2020
(87) US2017025345
05.10.2017
(22) 31.03.2017
(54) DIAPHRAGM VALVE WITH FULL CLOSURE
(73) Entegris, Inc.
(72) GASHGAEE, Iraj
GARBER, Bruce
GONNELLA, George
(31) 201662317299 P
(32) 01.04.2016
(33) United States of America

(51) F16K 11/044
F25B 1/00
F25B 17/08
F25B 30/04
F25B 41/04
(11) EP3280936
(21) EP16712902.2
(47) 08.01.2020
(87) EP2016057061
13.10.2016
(22) 31.03.2016
(54) VALVE FOR AN ADSORPTION HEAT PUMP AND USE OF THE VALVE IN AN ADSORPTION HEAT PUMP
(73) Mahle International GmbH
(72) BURK, Roland
(31) 102015206269
(32) 08.04.2015
(33) Germany

(51) F16K 11/07
F16K 31/122
F16K 31/143
(11) EP3084277
(21) EP14799343.0
(47) 08.01.2020
(87) EP2014003032
25.06.2015
(22) 12.11.2014
(54) HYDRAULIC VALVE DEVICE
(73) Hydac Filtertechnik GmbH
(72) BIWERSI, Sascha, Alexander
STÖNNER, Christoph
(31) 102013021317
(32) 16.12.2013
(33) Germany

(51) F16K 17/02
F16K 17/04
H05K 5/02
(11) EP3284985
(21) EP16184626.6
(47) 08.01.2020
(22) 17.08.2016
(54) CHECK VALVE
(73) W.L. Gore & Associates GmbH
(72) ZAGGL, Alexander
RITTMANN, Michael

(51) F16K 27/04
F16K 31/02
F16K 37/00
F24F 11/84
F24F 110/10
(11) EP3418614
(21) EP17176786.6
(47) 08.01.2020
(22) 20.06.2017
(54) HYDRONIC CONTROL VALVE
(73) Honeywell Technologies Sarl
(72) Prajzner, Vaclav
Sedivy, Jozef
Kusala, Petr
Hrabalek, Zdenek

(51) F16K 31/00
F16K 31/56
G05G 3/00
G05G 5/04
H01H 1/26
H01H 1/30
H01H 3/32
H01H 3/42
H01H 5/02
H01H 5/04
H01H 5/18
(11) EP3224688
(21) EP15863363.6
(47) 08.01.2020
(87) CA2015051227
02.06.2016
(22) 24.11.2015
(54) CONTROL ELEMENT WITH BUCKLED MEMBER
(73) Genesis Advanced Technology Inc.
(72) KLASSEN, James Brent
(31) 201462083590 P
(32) 24.11.2014
(33) United States of America

(51) F16K 31/04
G21C 9/00
G21C 15/18
H01B 3/30
H02K 3/34
(11) EP3281282
(21) EP15888695.2
(47) 08.01.2020
(87) US2015025457
13.10.2016
(22) 10.04.2015
(54) METHODS RELATED TO VALVE ACTUATORS HAVING MOTORS WITH PEEK-INSULATED WINDINGS
(73) Flowserve Management Company
(72) SOCHOR, Nathan, J.
BREEDING, David
RAMSEY, Kyle

(51) F16L 17/04
F16L 21/00
F16L 21/08
F16L 37/091
F16L 41/02
F16L 43/00
(11) EP3022478
(21) EP14826083.9
(47) 08.01.2020
(87) US2014046466
22.01.2015
(22) 14.07.2014
(54) FITTINGS HAVING ARCUATE STIFFNESS RIBS
(73) Victaulic Company
(72) BOWMAN, Matthew A.
VAN WERT, James R.
(31) 201361847354 P
201361847356 P
(32) 17.07.2013
17.07.2013
(33) United States of America
United States of America

(51) F16L 25/00
(11) EP3380769
(21) EP16795086.4
(47) 08.01.2020
(87) EP2016077684
01.06.2017
(22) 15.11.2016
(54) CONNECTION ASSEMBLY FOR A FLUID SYSTEM AND METHOD FOR PRODUCING A CONNECTION ASSEMBLY
(73) NORMA Germany GmbH
(72) BARATA, Claude
(31) 102015120508
(32) 26.11.2015
(33) Germany

(51) F16L 37/14
(11) EP3120066
(21) EP15718084.5
(47) 08.01.2020

(87) IB2015051818
24.09.2015
(22) 12.03.2015
(54) CONNECTION DEVICE
(73) General Fittings S.p.A
(72) COMINCINI, Stefano
(31) BS20140060
(32) 17.03.2014
(33) Italy

(51) F16L 39/06
(11) EP3365589
(21) EP16785151.8
(47) 08.01.2020
(87) EP2016075395
27.04.2017
(22) 21.10.2016
(54) SWIVEL STACK
(73) Single Buoy Moorings, Inc.
(72) RANDRIANARIVONY, Liva, Christian
(31) 15191243
(32) 23.10.2015
(33) European Patent Office (EPO)

(51) F16L 47/04
F16H 57/04
(11) EP3353451
(21) EP16730691.9
(47) 08.01.2020
(87) EP2016001052
19.01.2017
(22) 21.06.2016
(54) TRANSMISSION HAVING A PIPELINE
(73) Sew-Eurodrive GmbH & Co. KG
(72) LUFT, Christian
SCHWAN, Tobias
ELLER, Peter
(31) 102015009071
(32) 16.07.2015
(33) Germany

(51) F16L 55/128
F16L 55/16
(11) EP3099967
(21) EP15706858.6
(47) 08.01.2020
(87) FR2015050178
06.08.2015
(22) 27.01.2015
(54) TOOL FOR WORKING ON THE WALL OF A PIPE AND RELATED METHOD
(73) GRTGAZ
(72) ACKER, Benoit
LECCHI, Maxime
FERNANDEZ, Charles, François-Albert
NIERHOFF, Roland
(31) 1400210
(32) 28.01.2014
(33) France

(51) F16M 11/08
F16M 11/20
F16M 13/02
G03B 17/02
G03B 17/56
G08B 13/196
G08B 15/00
H04N 5/225
(11) EP3121800
(21) EP16179300.5
(47) 08.01.2020
(22) 13.07.2016
(54) CAMERA BASE DEVICE WITH SCREW-IN PLUG
(73) Amaryllo International B.V.
(72) YANG, Chao-Tung
(31) 104123157
(32) 17.07.2015
(33) Taiwan, Province of China

(51) F16N 7/40
(11) EP3074689
(21) EP14789262.4
(47) 08.01.2020
(87) EP2014072805
28.05.2015
(22) 24.10.2014
(54) EMERGENCY LUBRICATION FOR WIND TURBINE GEARBOXES
(73) ZF Friedrichshafen AG
ZF Wind Power Antwerpen NV
(72) BOGAERT, Roger
VAN DEN DONKER, Michiel
(31) 102013224017
(32) 25.11.2013
(33) Germany

(51) F16T 1/12
F16T 1/38
F16T 1/42
(11) EP3205922
(21) EP17152699.9
(47) 08.01.2020
(22) 23.01.2017
(54) STEAM TRAP AND METHOD FOR TRAPPING STEAM
(73) Gestra AG
(72) Schröter, Holger
Klattenhoff, Jürgen
(31) 102016200863
(32) 21.01.2016
(33) Germany

(51) F17C 5/06
(11) EP3295074
(21) EP16726131.2
(47) 08.01.2020
(87) FR2016051063
17.11.2016
(22) 04.05.2016
(54) METHOD AND DEVICE FOR FILLING OR WITHDRAWING FROM A PRESSURIZED GAS TANK
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) BOURGEOIS, Thomas
AMMOURI, Fouad
WEBER, Mathilde
VYAZMINA, Elena
(31) 1554207
(32) 12.05.2015
(33) France

(51) F21S 6/00
F21S 8/08
F21S 9/02
F21V 14/02
F21V 15/01
F21V 21/14
F21V 21/40
F21V 23/04
F21W 131/10
F21W 131/103
F21Y 113/00
(11) EP3246624
(21) EP15859207.1
(47) 08.01.2020
(87) CN2015094156
19.05.2016
(22) 10.11.2015
(54) LIGHTING APPARATUS
(73) Li, Zheyi
(72) Li, Zheyi
(31) 201420667544 U
(32) 10.11.2014
(33) China

(51) F21S 8/00
F21V 7/00
F21Y 103/00
F21Y 115/10
(11) EP3215790
(21) EP15802235.0
(47) 08.01.2020
(87) US2015059513
12.05.2016
(22) 06.11.2015
(54) STACK LIGHTER LUMINAIRE
(73) Quarkstar LLC
(72) ISBRUCKER, Victor, E.
SPEIER, Ingo
(31) 201462077151 P
(32) 07.11.2014
(33) United States of America

(51) F21S 8/00
F21V 15/01
F21V 19/00
F21V 31/04
F21W 131/10
F21V 23/00
F21Y 115/10
(11) EP2738454
(21) EP13194779.8
(47) 08.01.2020
(22) 28.11.2013
(54) Lamp with a housing and an electronic circuit
(73) Zumtobel Lighting GmbH
(72) Pöhs, Mario
(31) 202012104635 U
(32) 29.11.2012
(33) Germany

(51) F21S 8/02
F21V 23/04
F21W 131/208
F21Y 115/10
(11) EP3449181
(21) EP17726018.9
(47) 08.01.2020
(87) GB2017051219
02.11.2017
(22) 02.05.2017
(54) MODULAR LIGHT PANEL
(73) Design LED Products Limited
(72) GOURLAY, James
BAIN, Stuart
PEDEN, Derek
(31) 201607603
(32) 29.04.2016
(33) United Kingdom

(51) F21S 8/04
F21V 14/02
F21V 23/04

(11) EP3420268
(21) EP17705590.2
(47) 08.01.2020
(87) EP2017053220
31.08.2017
(22) 14.02.2017
(54) ARTIFICIAL SUNLIGHT LUMINAIRE
(73) Signify Holding B.V.
(72) VISSENBERG, Michel, Cornelis, Josephus, Marie
WEIJERS, Aldegonda, Lucia
DE GIER, Ronald, Cornelis
(31) 16156841
(32) 23.02.2016
(33) European Patent Office (EPO)

(51) F21S 8/06
F21V 3/02
F21V 7/00
F21V 14/02
F21V 19/02
F21K 9/62
F21Y 107/90
F21Y 113/20
F21Y 115/10
F21Y 115/15
(11) EP3382262
(21) EP18165239.7
(47) 08.01.2020
(22) 29.03.2018
(54) LIGHTING LAMP
(73) ARTEMIDE S.p.A.
(72) de BEVILACQUA, Carlotta Francesca Isolina Maria
PESSONI, Laura
PORCARO, Luca
(31) 201700034718
(32) 29.03.2017
(33) Italy

(51) F21S 8/06
F21V 21/008
F21V 21/104
F21V 21/116
F21V 21/35
(11) EP3470733
(21) EP18207866.7
(47) 18.12.2019
(22) 09.01.2017
(54) MODULAR LIGHTING SYSTEM USING HANGERS AND POWER BARS
(73) Contemporary Visions, LLC
(72) SONNEMAN, Robert A.
(31) 201662275921 P
201615197919
201615251369
201615255289
201615286977
201615287897
201615378207
(32) 07.01.2016
30.06.2016
30.08.2016
02.09.2016
06.10.2016
07.10.2016
14.12.2016
(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) F21S 9/03
H05B 37/00
F21S 4/26
(11) EP3439435
(21) EP18187000.7
(47) 08.01.2020
(22) 02.08.2018
(54) A LIGHTING SYSTEM
(73) Smart Garden Products Ltd.
(72) GLENNERSTER, Stuart
(31) 201712537
(32) 04.08.2017
(33) United Kingdom

(51) F21S 41/14
F21S 41/32
(11) EP3301347
(21) EP17191738.8
(47) 08.01.2020
(22) 19.09.2017
(54) LIGHTING DEVICE FOR A MOTOR VEHICLE COMPRISING A LIGHT GUIDE
(73) Valeo Vision
(72) Courcier, Marine
Joërg, Alexandre
(31) 1659376
(32) 29.09.2016
(33) France

(51) F21V 8/00
G05G 1/02
H05B 37/02
(11) EP3497534
(21) EP17797254.4
(47) 08.01.2020
(87) EP2017076997
02.05.2019
(22) 23.10.2017
(54) LIGHT ADJUSTING PANEL WITH WITH REGULATOR
(73) MA Lighting Technology GmbH
(72) ADENAU, Michael

(51) F21V 14/02
F21V 19/02
F21V 21/15
G03B 15/02
G03B 15/07
G03B 15/16
F21Y 115/30
(11) EP3438525
(21) EP17184909.4
(47) 08.01.2020
(22) 04.08.2017
(54) LIGHTING DEVICE FOR SIMULATION APPARATUS FOR MOTOR VEHICLE ACCIDENTS
(73) Atlas Material Testing Technology GmbH
(72) MARCH, Peter
RUDOLPH, Bernd

(51) F21V 17/06
F21V 17/12
F21V 23/06
F21K 9/235
F21K 9/90
F21Y 115/10
F21V 3/06
(11) EP3418620
(21) EP17001977.2
(47) 08.01.2020
(22) 04.12.2017
(54) LIGHTING DEVICE AND LAMP STRING
(73) Zhejiang Bestime Trading Co., Ltd.
(72) Zhang, Gaole
(31) 201710478902
201710949628
(32) 22.06.2017
13.10.2017
(33) China
China

(51) F21V 19/00
F21V 21/35
F21K 99/00
F21S 2/00
(11) EP2821695
(21) EP14175288.1
(47) 08.01.2020
(22) 01.07.2014
(54) Assembly of voltage rail, adapter and led-tube, adapter suitable for the assembly and method of mounting lighting elements
(73) Ledsign B.V.
(72) Van der Ende, Johan Udo
Van der Ende, Marcus Johannus
(31) 2011072
(32) 01.07.2013
(33) Netherlands

(51) F21V 19/00
H01K 1/02
F21Y 101/00
(11) EP2728250
(21) EP13005192.3
(47) 08.01.2020
(22) 04.11.2013
(54) Apparatus, method and system for a modular light-emitting diode circuit assembly
(73) Zweibrüder Optoelectronics GmbH & Co. KG
(72) Hansen, Sven
(31) 201210434741
(32) 02.11.2012
(33) China

(51) F23B 10/02
F23B 40/04
F23B 80/00
F23J 1/00
F23L 1/00
F23L 9/04
(11) EP2921776
(21) EP13855325.0
(47) 08.01.2020
(87) KR2013010276
22.05.2014
(22) 13.11.2013
(54) DEVICE FOR CENTRIFUGAL COMBUSTION BY AREA USING FLOW OF COMBUSTION AIR
(73) Kim, JiWon
POSCO
(72) JiWon, Kim
(31) 20120128977
(32) 14.11.2012
(33) Korea (Republic)

(51) F23C 7/00

F23D 11/40
F23D 14/62
F23R 3/04
F23R 3/12
F23R 3/28
F23R 3/36
(11) EP2525149
(21) EP12168521.8
(47) 08.01.2020
(22) 18.05.2012
(54) GAS TURBINE COMBUSTOR
(73) Mitsubishi Hitachi Power Systems, Ltd.
(72) Hirata, Yoshitaka
Yoshida, Shohei
Sekiguchi, Tatsuya
Hayashi, Akinori
Takahashi, Hirokazu
(31) 2011112988
(32) 20.05.2011
(33) Japan

(51) F23D 14/02
F23D 14/10
F23D 14/70
(11) EP3315861
(21) EP17197752.3
(47) 08.01.2020
(22) 23.10.2017
(54) GAS BURNER
(73) WORGAS BRUCIATORI S.R.L.
(72) GILIOLI, Massimo
DOTTI, Massimo
NASSIBOO, Jimmy
ACOCELLA, Antornio
(31) 201600106728
(32) 24.10.2016
(33) Italy

(51) F23D 14/06
F23D 14/10
F23R 3/28
(11) EP3325886
(21) EP15756788.4
(47) 08.01.2020
(87) US2015046498
02.03.2017
(22) 24.08.2015
(54) APPARATUS WITH ARRANGEMENT OF FUEL EJECTION ORIFICES CONFIGURED FOR MITIGATING COMBUSTION DYNAMICS IN A COMBUSTION TURBINE ENGINE
(73) Siemens Aktiengesellschaft
(72) PORTILLO BILBAO, Juan Enrique
RAJARAM, Rajesh
PRADE, Bernd
PENT, Jared M.

(51) F23M 5/04
F23R 3/00
F23R 3/60
(11) EP3446038
(21) EP17730123.1
(47) 08.01.2020
(87) EP2017064069
04.01.2018
(22) 09.06.2017
(54) SPRING DEVICE FOR A HEAT SHIELD ASSEMBLY OF A COMBUSTION CHAMBER, AND HEAT SHIELD ASSEMBLY HAVING SUCH A SPRING DEVICE
(73) Siemens Aktiengesellschaft
(72) BUSE, Christoph
BÖTTCHER, Andreas
HARTMANN, Manfred
KLEINFELD, Jens
KLUGE, Andre
LAPP, Patrick
TENRAHM, Thomas-Dieter
(31) 102016211613
(32) 28.06.2016
(33) Germany

(51) F23R 3/04
(11) EP2927597
(21) EP15162657.9
(47) 08.01.2020
(22) 07.04.2015
(54) THERMALLY COMPLIANT GROMMET ASSEMBLY
(73) United Technologies Corporation
(72) SANDOVAL, Jonathan P.
(31) 201461974782 P
(32) 03.04.2014
(33) United States of America

(51) F23R 3/04
F23R 3/34
(11) EP2966356
(21) EP15174193.1
(47) 08.01.2020
(22) 29.06.2015
(54) SEQUENTIAL COMBUSTOR ARRANGEMENT WITH A MIXER
(73) Ansaldo Energia Switzerland AG
(72) Gao, Xianfeng
Tay Wo Chong Hilares, Luis
(31) 14176492
(32) 10.07.2014
(33) European Patent Office (EPO)

(51) F23R 3/06
F23R 3/34
F23R 3/36
(11) EP3015772
(21) EP15188256.0
(47) 08.01.2020
(22) 02.10.2015
(54) COMBUSTOR ARRANGEMENT FOR A GAS TURBINE
(73) Ansaldo Energia Switzerland AG
(72) Eroglu, Adnan
Ciani, Andrea
Pennel, Douglas Anthony
(31) 14191329
(32) 31.10.2014
(33) European Patent Office (EPO)

(51) F23R 3/42
(11) EP2999927
(21) EP14836500.0
(47) 08.01.2020
(87) US2014039378
19.02.2015
(22) 23.05.2014
(54) GAS TURBINE ENGINE COMBUSTOR LINER PANEL
(73) United Technologies Corporation
(72) CUNHA, Frank J.
KOSTKA, Jr., Stanislav
(31) 201361826554 P
(32) 23.05.2013
(33) United States of America

(51) F24C 1/08
F24C 15/18
(11) EP3081863
(21) EP16159556.6
(47) 08.01.2020
(22) 10.03.2016
(54) PORTABLE INFRARED RAYS HEADER FOR ENVIRONMENTAL HEATING
(73) La Rude SRL
(72) TENCI, Pier Luigi
(31) BS20150041
(32) 13.03.2015
(33) Italy

(51) F24C 3/10
F24C 3/12
G01B 7/00
G01D 5/14
G05G 1/08
G05G 1/10
G05G 5/05
G05G 5/06
H01H 3/02
H01H 3/08
G06F 3/0362
(11) EP3364266
(21) EP18157447.6
(47) 08.01.2020
(22) 19.02.2018
(54) KNOB ASSEMBLY FOR COOKTOP
(73) LG Electronics Inc.
(72) HA, Yeonsik
(31) 20170021878
20170094807
20170167072
(32) 17.02.2017
26.07.2017
06.12.2017
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) F24C 7/08
G05G 1/08
(11) EP2455671
(21) EP11187851.8
(47) 08.01.2020
(22) 04.11.2011
(54) COOKTOP COMPRISING CONTROL DEVICE WITH A TROUGH-SHAPED RECEPTACLE
(73) BSH Hausgeräte GmbH
(72) Glas, Malika
Knöller, Thomas
Schmidt, Tobias
(31) 102010044146
(32) 19.11.2010
(33) Germany

(51) F24C 15/20
(11) EP2159492
(21) EP09167313.7
(47) 08.01.2020
(22) 06.08.2009
(54) EXTRACTOR HOOD COMPRISING A LOCKING DEVICE FOR A PLANAR ELEMENT
(73) BSH Hausgeräte GmbH
(72) Neumann, Ulmar

Wilde, Thomas
(31) 102008041495
(32) 25.08.2008
(33) Germany

(51) F24F 1/38
F24F 1/50
F04D 29/70
F24F 13/08
F24F 13/20
(11) EP2549194
(21) EP12175689.4
(47) 08.01.2020
(22) 10.07.2012
(54) Fan guard and air conditioner having the same
(73) SANYO ELECTRIC CO., LTD.
(72) Nagatomi, Yoshinari
Kajiwara, Daisuke
(31) 2011157956
(32) 19.07.2011
(33) Japan

(51) F24F 3/044
F25B 23/00
F28C 1/14
(11) EP2150764
(21) EP08748271.7
(47) 08.01.2020
(87) CA2008000872
20.11.2008
(22) 07.05.2008
(54) COOLING SYSTEM
(73) Mcnnnac Energy Services Inc.
(72) MCCANN, Neil
(31) 916983 P
(32) 09.05.2007
(33) United States of America

(51) F24F 3/14
F24F 13/30
F25B 13/00
F25B 25/00
F25B 41/04
F25B 49/02
(11) EP3221648
(21) EP15861611.0
(47) 08.01.2020
(87) US2015062117
26.05.2016
(22) 23.11.2015
(54) LIQUID DESICCANT AIR CONDITIONING SYSTEM
(73) 7AC Technologies, Inc.
(72) VANDERMEULEN, Peter, F.
(31) 201462082753 P
(32) 21.11.2014
(33) United States of America

(51) F24F 5/00
F25B 5/02
(11) EP2667108
(21) EP12736385.1
(47) 08.01.2020
(87) JP2012050898
26.07.2012
(22) 18.01.2012
(54) AIR CONDITIONER
(73) DAIKIN INDUSTRIES, LTD.
(72) FUJIOKA, Yuuki
KIZAWA, Toshihiro
(31) 2011009265
(32) 19.01.2011
(33) Japan

(51) F25B 9/00
(11) EP3220076
(21) EP14905700.2
(47) 08.01.2020
(87) KR2014010806
19.05.2016
(22) 11.11.2014
(54) CRYOGENIC COOLING APPARATUS AND CONNECTING STRUCTURE FOR SUPERCONDUCTING DEVICE
(73) LS Cable & System Ltd.
(72) LEE, Seok Ju
KIM, Han Joong
CHOI, Chang Yeol
SUNG, Heo Gyung
NA, Jin Bae

(51) F25B 9/00
F25B 9/14
(11) EP3414498
(21) EP17706538.0
(47) 08.01.2020
(87) FR2017050098
17.08.2017
(22) 17.01.2017
(54) CRYOGENIC REFRIGERATION DEVICE
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) DURAND, Fabien
(31) 1650962
(32) 08.02.2016
(33) France

(51) F25B 13/00
F25B 49/02
F24F 11/89
(11) EP3279591
(21) EP16773033.2
(47) 08.01.2020
(87) JP2016060511
06.10.2016
(22) 30.03.2016
(54) INDOOR AIR CONDITIONING UNIT
(73) Daikin Industries, Ltd.
(72) HONDA, Masahiro
KAMITANI, Shigeki
(31) 2015073024
(32) 31.03.2015
(33) Japan

(51) F25B 21/02
F28D 15/04
G06F 1/20
H05K 7/20
(11) EP2518585
(21) EP12164801.8
(47) 08.01.2020
(22) 19.04.2012
(54) Thermosiphon Systems for Electronic Devices
(73) Google LLC
(72) Rice, Jeremy
Dailey, Bill
Spaulding, Jeffrey S.
(31) 201113093609
(32) 25.04.2011
(33) United States of America

(51) F25B 39/00
F25B 39/02
F28D 1/02
F28D 1/047
F28F 1/12
F28F 1/32
F28F 17/00
(11) EP3171114
(21) EP15821294.4
(47) 08.01.2020
(87) CN2015084207
21.01.2016
(22) 16.07.2015
(54) FIN FOR HEAT EXCHANGER AND HEAT EXCHANGER HAVING FIN
(73) Danfoss Micro Channel Heat Exchanger (Jiaxing) Co., Ltd.
(72) JIN, Junfeng
TUCKER, Jeffrey Lee
JIANG, Jianlong
LU, Xiangxun
CHEN, Hongbing
YANG, Jing
(31) 201410344189
(32) 18.07.2014
(33) China

(51) F25D 3/12
(11) EP3222946
(21) EP17162127.9
(47) 08.01.2020
(22) 21.03.2017
(54) DEVICE FOR METERING OF CARBON DIOXIDE SNOW
(73) Messer France S.A.S.
(72) Frère, Émilien
(31) 102016003800
(32) 26.03.2016
(33) Germany

(51) F25D 11/02
(11) EP3150948
(21) EP14893550.5
(47) 08.01.2020
(87) CN2014092413
03.12.2015
(22) 28.11.2014
(54) REFRIGERATOR
(73) Haier Group Technique R&D Center
(72) DING, Enwei
YU, Guoxin
ZHANG, Weiying
WANG, Aimin
(31) 201410222513
(32) 26.05.2014
(33) China

(51) F25D 11/02
F25D 19/00
F25D 21/00
F25D 25/00
F25D 29/00
(11) EP2593731
(21) EP11807039.0
(47) 08.01.2020
(87) KR2011005158
19.01.2012
(22) 13.07.2011
(54) REFRIGERATOR AND COOLING APPARATUS
(73) LG Electronics Inc.

(72) CHO, Yeonwoo
KIM, Yanggyu
LEE, Younseok
(31) 20110062878
415519 P
415537 P
20100115549
20100115536
20100069358
20100068466
20100068461
20100068244
20100067196
(32) 28.06.2011
19.11.2010
19.11.2010
19.11.2010
19.11.2010
19.07.2010
15.07.2010
15.07.2010
15.07.2010
13.07.2010
(33) Korea (Republic)
United States of America
United States of America
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) F25D 19/00
F25D 23/00
F25D 23/06
F25D 29/00
(11) EP2019276
(21) EP07743278.9
(47) 08.01.2020
(87) JP2007059843
22.11.2007
(22) 14.05.2007
(54) A FREEZING APPARATUS
(73) PHC Holdings Corporation
(72) OKUDA, Satoshi
SHINYA, Hidetoshi
(31) 2006135252
(32) 15.05.2006
(33) Japan

(51) F25D 23/02
(11) EP3327381
(21) EP17200977.1
(47) 08.01.2020
(22) 10.11.2017
(54) HOME APPLIANCE DOOR
(73) BSH Hausgeräte GmbH
(72) Akalan, Yigit
Arslankiray, Ziya
Emek, Emre
(31) 201615360214
(32) 23.11.2016
(33) United States of America

(51) F25D 23/02
(11) EP3008405
(21) EP14810677.6
(47) 08.01.2020
(87) KR2014005250
18.12.2014
(22) 16.06.2014
(54) REFRIGERATOR
(73) LG Electronics Inc.
(72) CHOI, Sungwoo
KIM, Myunghwan
PARK, Jisu
KIM, Hyunbum
KIM, Jindong
IM, Jihyun
(31) 20130068250
20130124734
(32) 14.06.2013
18.10.2013
(33) Korea (Republic)
Korea (Republic)

(51) F25D 25/02
(11) EP3371534
(21) EP16788545.8
(47) 08.01.2020
(87) EP2016076279
11.05.2017
(22) 01.11.2016
(54) A COOLING DEVICE COMPRISING A BOTTLE HOLDER
(73) Arçelik Anonim Sirketi
(72) AKCA, Cagatay
ONRAT, Onur
YALCIN, Mustafa
INCUKUR, Ali Ihsan
TIGREL, Baran
(31) 201513947
(32) 06.11.2015
(33) Turkey

(51) F27B 9/02
F27B 9/30
F27B 9/36
(11) EP3396287
(21) EP18169671.7
(47) 08.01.2020
(22) 26.04.2018
(54) A KILN AND METHOD FOR THE FIRING OF BASIC CERAMIC ARTICLES
(73) SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA
(72) VACCARI, Pier Francesco
RICCI, Claudio
ACERBI, Pierugo
(31) 201700045233
(32) 26.04.2017
(33) Italy

(51) F28D 1/02
F28D 15/02
F28D 21/00
F28F 9/013
F28F 13/00
(11) EP2561301
(21) EP11721653.1
(47) 08.01.2020
(87) IB2011051722
27.10.2011
(22) 20.04.2011
(54) EFFLUENT DUCT COMPRISING SYSTEM FOR EXTRACTING HEAT
(73) Lyonnaise des Eaux France
(72) DUONG, Frédéric
(31) 1053045
(32) 21.04.2010
(33) France

(51) F28D 7/16
F28D 9/00
F28F 1/02
F28F 1/08
F28F 1/12
F28F 3/02
F28F 3/08
F28F 9/00
F28F 9/02
(11) EP3394551
(21) EP16826394.5
(47) 08.01.2020
(87) FR2016053506
29.06.2017
(22) 16.12.2016
(54) HEAT EXCHANGER, IN PARTICULAR FOR A MOTOR VEHICLE
(73) Valeo Systemes Thermiques
(72) CITTI, Isabelle
JACOPE, Sébastien
(31) 1562886
(32) 21.12.2015
(33) France

(51) F28D 7/16
F28F 9/06
(11) EP3394544
(21) EP16826391.1
(47) 08.01.2020
(87) FR2016053502
29.06.2017
(22) 16.12.2016
(54) HEAT EXCHANGER, IN PARTICULARL FOR A MOTOR VEHICLE
(73) Valeo Systemes Thermiques
(72) MARTINS, Carlos
MAGNIER-CATHENOD, Anne-Sylvie
MOUGNIER, Jérôme
JACOPE, Sébastien
(31) 1562888
(32) 21.12.2015
(33) France

(51) F28D 9/00
F28F 3/04
(11) EP3023727
(21) EP14194574.1
(47) 08.01.2020
(22) 24.11.2014
(54) Fluid guide plate and associated plate heat exchanger
(73) Taiwan SRP Heat Exchanger Inc.
(72) Chou, Te-Shen
Wang, Chun-Long

(51) F28D 9/00
G21F 5/002
G21F 5/005
G21F 5/008
G21F 5/10
G21F 5/12
(11) EP3391379
(21) EP16809084.3
(47) 08.01.2020
(87) EP2016080801
22.06.2017
(22) 13.12.2016
(54) IMPROVED HEAT DISSIPATION STRUCTURE FOR NATURAL CONVECTION FOR TRANSPORT

CONTAINERS AND/OR STORAGE CONTAINERS FOR RADIOACTIVE MATERIAL
(73) TN International
(72) BANCE, Kévin
BARDON, Olivier
(31) 1562301
(32) 14.12.2015
(33) France

(51) F28D 15/02
H01L 23/427
H01L 23/467
H01L 23/473
H05K 7/20
(11) EP2893561
(21) EP13756111.4
(47) 08.01.2020
(87) EP2013067827
06.03.2014
(22) 28.08.2013
(54) MODULAR COOLING SYSTEM
(73) ABB Schweiz AG
(72) BLOMBERG, Anders
AGOSTINI, Bruno
NI, Jing
HAFNER, Jurgen
HABERT, Mathieu
(31) 12182713
(32) 03.09.2012
(33) European Patent Office (EPO)

(51) F28F 3/12
F28F 9/06
F28F 21/04
H01L 31/052
H02S 40/44
(11) EP2625721
(21) EP11767244.4
(47) 08.01.2020
(87) EP2011067512
12.04.2012
(22) 06.10.2011
(54) HIGH-EFFICIENCY PHOTOVOLTAIC PANEL
(73) Luxferov S.r.l.
(72) BELLONI, Mario
PIFFERI, David
(31) MO20100282
(32) 08.10.2010
(33) Italy

(51) F28F 21/06
F24T 10/13
F24T 10/17
(11) EP3380794
(21) EP16819131.0
(47) 08.01.2020
(87) FR2016053045
01.06.2017
(22) 22.11.2016
(54) HIGH-PRESSURE AND HIGH-TEMPERATURE CLOSED GEOTHERMAL EXCHANGER FOR A MAGMATIC OR METAMORPHIC FORMATION
(73) BRGM
(72) NGUYEN, Denis
(31) 1561294
(32) 24.11.2015
(33) France

(51) F41A 3/72
F41G 1/01
F41G 1/02
F41G 1/033
F41G 1/10
F41G 1/34
(11) EP3301396
(21) EP17201520.8
(47) 08.01.2020
(22) 23.11.2011
(54) GUN SIGHT
(73) Trijicon, Inc.
(72) GLIMPSE, Bryan R.
CONDRA, Robert W.
VARNER, Joshua Lee
ADKINS, Joseph R.
(31) 422728 P
201113222740
(32) 14.12.2010
31.08.2011
(33) United States of America
United States of America

(51) F41G 1/32
G02B 17/08
G02B 23/12
G02B 27/14
(11) EP2753969
(21) EP12830288.2
(47) 08.01.2020
(87) US2012054332
14.03.2013
(22) 08.09.2012
(54) NIGHT VISION DEVICES AND METHODS
(73) Elbit Systems Ltd
(72) FIORE, Jack, C.
FORD, Eric
FILIPOVICH, Danny
(31) 201161532389 P
(32) 08.09.2011
(33) United States of America

(51) F41G 3/22
F41G 7/00
F41G 9/00
G01C 23/00
(11) EP3074713
(21) EP14799147.5
(47) 08.01.2020
(87) EP2014074615
28.05.2015
(22) 14.11.2014
(54) SYSTEM INTEGRATION
(73) BAE Systems PLC
(72) RANAT, Bhadrayu Manherlal
AL-AMERI, Monadl Abd Al-Abbas Mansour
(31) 201320764
13275288
(32) 25.11.2013
25.11.2013
(33) United Kingdom
European Patent Office (EPO)

(51) F41H 3/02
(11) EP3221658
(21) EP15802001.6
(47) 08.01.2020
(87) EP2015076341
26.05.2016
(22) 11.11.2015
(54) ADAPTIVE CAMOUFLAGE DEVICE, SYSTEM, METHOD AND CAMOUFLAGE APPARATUS
(73) BAE Systems PLC
(72) KITSON, Stephen
RUDIN, John
TAPHOUSE, Timothy Simon
(31) 201420557
(32) 19.11.2014
(33) United Kingdom

(51) F42B 10/14
F42B 10/18
F42B 10/64
(11) EP3392603
(21) EP17204149.3
(47) 08.01.2020
(22) 28.11.2017
(54) TILTABLE TWO-PART WING FOR MISSILE GUIDANCE SYSTEMS
(73) MBDA Deutschland GmbH
(72) Mast, Wolf-Dieter
Hierl, Wolfgang
Kühnel, Anton
Wagner, Philipp
(31) 102017003797
(32) 19.04.2017
(33) Germany

(51) F42B 14/06
(11) EP3317607
(21) EP16732660.2
(47) 08.01.2020
(87) EP2016065056
05.01.2017
(22) 28.06.2016
(54) FIN-STABILIZED SUB-CALIBRE PROJECTILE WHICH CAN BE FIRED FROM A RIFLED BARREL AND METHOD FOR THE PRODUCTION THEREOF
(73) RWM Schweiz AG
(72) BUCHER, Ruedi
(31) 102015110627
(32) 01.07.2015
(33) Germany

(51) F42B 39/14
F42B 39/24
(11) EP3387366
(21) EP16791409.2
(47) 08.01.2020
(87) EP2016076877
15.06.2017
(22) 07.11.2016
(54) SHAPED CHARGE METAL FOAM PACKAGE
(73) DynaEnergetics GmbH & Co. KG
(72) MCNELIS, Liam
PREISS, Frank Haron
LÖHKEN, Jörn Olaf
SHAHINPOUR, Arash
MÜLLER, Jörg
(31) 201562264037 P
201662276342 P
(32) 07.12.2015
08.01.2016
(33) United States of America
United States of America

(51) G01B 7/16
G01L 1/18

G01L 9/00
(11) EP3358326
(21) EP16850850.5
(47) 08.01.2020
(87) JP2016072253
06.04.2017
(22) 29.07.2016
(54) DYNAMIC QUANTITY MEASURING APPARATUS
(73) Hitachi Automotive Systems, Ltd.
(72) ASHIDA Kisho
SOMA Atsuo
(31) 2015192517
(32) 30.09.2015
(33) Japan

(51) G01B 7/28
G01N 27/90
(11) EP2881700
(21) EP13823136.0
(47) 08.01.2020
(87) KR2013006485
30.01.2014
(22) 19.07.2013
(54) DEVICE AND METHOD FOR DETECTING OVALITY OF CIRCUMFERENTIAL CROSS SECTION OF A HEAT-EXCHANGER TUBE
(73) Korea Atomic Energy Research Institute
Korea Hydro Nuclear Power Co., Ltd.
(72) LEE, Deok Hyun
CHOI, Myung Sik
HUR, Do Haeng
HAN, Jung Ho
(31) 20120079750
(32) 23.07.2012
(33) Korea (Republic)

(51) G01B 9/02
G01M 11/00
G02B 27/42
G03H 1/08
(11) EP3224570
(21) EP15812971.8
(47) 08.01.2020
(87) EP2015077817
02.06.2016
(22) 26.11.2015
(54) INTERFEROMETRIC TESTING METHOD AND DEVICE
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
Friedrich-Schiller-Universität Jena
(72) BEIER, Matthias
STUMPF, Daniela
GEBHARDT, Andreas
RISSE, Stefan
ZEITNER, Uwe D.
(31) 102014117511
(32) 28.11.2014
(33) Germany

(51) G01B 9/02
G01S 7/481
G01S 17/58
G01S 17/88
G01S 17/89
G01V 3/30
E21B 47/00
E21B 47/12
(11) EP3173819
(21) EP16200480.8
(47) 08.01.2020
(22) 24.11.2016
(54) DOWNHOLE SENSING VIA SWEPT SOURCE LASERS
(73) JP3 Measurement, LLC
(72) Little, III, Joseph Paul
Dwelle, Jordan
Howard, William
(31) 201562260697 P
(32) 30.11.2015
(33) United States of America

(51) G01B 11/00
G03F 7/20
G03F 9/00
H01L 21/68
(11) EP3264180
(21) EP16755437.7
(47) 08.01.2020
(87) JP2016055133
01.09.2016
(22) 23.02.2016
(54) SUBSTRATE PROCESSING SYSTEM AND SUBSTRATE PROCESSING METHOD, AND DEVICE MANUFACTURING METHOD
(73) Nikon Corporation
(72) SHIBAZAKI, Yuichi
(31) 2015032911
(32) 23.02.2015
(33) Japan

(51) G01B 11/02
G01F 23/292
B33Y 30/00
B33Y 50/02
B29C 67/00
(11) EP3384230
(21) EP16712034.4
(47) 08.01.2020
(87) EP2016056589
28.09.2017
(22) 24.03.2016
(54) BUILD MATERIAL SUPPLY UNIT WITH DISTANCE SENSOR
(73) Hewlett-Packard Development Company, L.P.
(72) LOPEZ, Miguel Angel
MARTIN VIDAL, Pau
PEREZ, Carlos
TORRENT, Anna
GARCIA MARCOS, Guillermo
VALLES, Marius
MORA MURCIANO, Albert

(51) G01B 11/22
H05B 37/02
(11) EP3452778
(21) EP17721173.7
(47) 08.01.2020
(87) EP2017060801
09.11.2017
(22) 05.05.2017
(54) SYSTEM AND METHOD FOR AUTOMATED LUMINAIRE DETECTION AND CLASSIFICATION
(73) Signify Holding B.V.
(72) HAN, Dong
GU, Yun
BRANDÃO DE OLIVEIRA, Talmai
MURTHY, Abhishek
ZIEMBIENSKI, Daniel, Edward
JIANG, Dan
MOHANNA, Hassan
(31) 201662332712 P
16174028
(32) 06.05.2016
10.06.2016
(33) United States of America
European Patent Office (EPO)

(51) G01B 11/275
H04W 4/38
H04W 4/80
H04W 76/11
(11) EP2171418
(21) EP08782068.4
(47) 08.01.2020
(87) US2008070484
29.01.2009
(22) 18.07.2008
(54) WIRELESS NETWORK AND METHODOLOGY FOR AUTOMOTIVE SERVICE SYSTEMS
(73) Snap-on Incorporated
(72) ROGERS, Steven, W.
GILL, George, M.
MORAN, Robert, O.
(31) 878025
(32) 20.07.2007
(33) United States of America

(51) G01B 21/04
(11) EP2920549
(21) EP13786744.6
(47) 08.01.2020
(87) GB2013052884
22.05.2014
(22) 05.11.2013
(54) METHOD AND APPARATUS FOR MEASURING A WORKPIECE WITH A MACHINE TOOL
(73) Renishaw Plc.
(72) OULD, John, Charles
MOORE, Paul, William
REVELL, Matthew, Anthony
(31) 12250176
201261726233 P
(32) 14.11.2012
14.11.2012
(33) European Patent Office (EPO)
United States of America

(51) G01B 21/04
G05B 19/418
G07C 3/14
(11) EP3198346
(21) EP15778040.4
(47) 08.01.2020
(87) IB2015057271
31.03.2016
(22) 21.09.2015
(54) INSPECTION TOOL FOR MANUFACTURED COMPONENTS
(73) Bombardier Inc.
C Series Aircraft Limited Partnership
(72) REGNAULT, Laurent
(31) 201462055026 P
(32) 25.09.2014
(33) United States of America

(51) G01C 11/02

G01S 3/789
G01S 17/89
G03B 15/00
G03B 17/17
(11) EP3204786
(21) EP15849653.9
(47) 08.01.2020
(87) AU2015000606
14.04.2016
(22) 08.10.2015
(54) AN AERIAL CAMERA SYSTEM
(73) Spookfish Innovations Pty Ltd.
(72) COPE, Simon
VON BERTOUCH, Michael
(31) 2014904018
2015901332
(32) 08.10.2014
14.04.2015
(33) Australia
Australia

(51) G01C 15/00
G01S 1/70
G01S 5/16
G01S 7/00
G01S 17/42
G01S 17/66
(11) EP3175253
(21) EP15750273.3
(47) 08.01.2020
(87) EP2015067344
04.02.2016
(22) 29.07.2015
(54) TRACKING METHOD AND TRACKING SYSTEM
(73) Hilti Aktiengesellschaft
(72) BRALLA, Dario
KHANDOZHKO, Serhey
SCHMIDT, Peer
(31) 14179437
(32) 01.08.2014
(33) European Patent Office (EPO)

(51) G01C 21/10
G01S 17/89
H04B 10/075
H04B 10/079
H04B 10/112
H04B 10/564
(11) EP2996262
(21) EP14795385.5
(47) 08.01.2020
(87) JP2014062501
13.11.2014
(22) 09.05.2014
(54) COMMUNICATION DEVICE
(73) Mitsubishi Electric Corporation
(72) NISHINO, Yuichi
TSUJI, Hidenobu
OCHIMIZU, Hideaki
KOTAKE, Nobuki
IMAKI, Masaharu
KAMEYAMA, Shumpei
(31) 2013100405
(32) 10.05.2013
(33) Japan

(51) G01C 21/20
G01C 21/36
G06F 3/0362
G06F 3/0482
G06F 3/0484
(11) EP3064900
(21) EP16157818.2
(47) 08.01.2020
(22) 29.02.2016
(54) FISHING SPOT DISPLAY UNIT
(73) Furuno Electric Co., Ltd.
(72) HAMAMOTO, Kentaroh
NINOMIYA, Akira
HASHIMURA, Masahiro
SHIMIZU, Takashi
FUJISAWA, Tomoya
(31) 2015042195
(32) 04.03.2015
(33) Japan

(51) G01C 21/20
G06F 3/0346
G06F 1/32
(11) EP3308104
(21) EP16734426.6
(47) 08.01.2020
(87) FR2016051365
15.12.2016
(22) 08.06.2016
(54) METHOD FOR PROCESSING MEASUREMENTS OF AT LEAST ONE ELECTRONIC SENSOR PLACED IN A HANDHELD DEVICE
(73) Commissariat à l'énergie atomique et aux énergies alternatives
Movea
(72) VILLIEN, Christophe
(31) 1555296
(32) 10.06.2015
(33) France

(51) G01C 21/20
G08G 5/00
(11) EP3118579
(21) EP16178279.2
(47) 08.01.2020
(22) 06.07.2016
(54) SYSTEM AND METHOD FOR INTEGRATING TEMPORARY DATA INTO FLIGHT MANAGEMENT SYSTEMS
(73) Honeywell International Inc.
(72) IDUPUNUR, Krishna
KUSUMA, Murali
SRIVASTAV, Amit
(31) 201514799097
(32) 14.07.2015
(33) United States of America

(51) G01C 21/32
G01C 21/34
G08G 1/09
G08G 1/0968
(11) EP3109594
(21) EP16175205.0
(47) 08.01.2020
(22) 20.06.2016
(54) MIDPOINT-BASED MAP-AGNOSTIC NAVIGATION ROUTING
(73) HERE Global B.V.
(72) MAISCHBERGER, Mirko
ROLF, Daniel
(31) 201514745652
(32) 22.06.2015
(33) United States of America

(51) G01C 21/34
G08G 1/0968
G08G 1/0969
G09B 29/00
G09B 29/10
B60L 58/12
(11) EP3054267
(21) EP14858244.8
(47) 08.01.2020
(87) JP2014078727
07.05.2015
(22) 29.10.2014
(54) TRAVEL ROUTE GUIDE DEVICE, TRAVEL ROUTE GUIDE SYSTEM, TRAVEL ROUTE GUIDE METHOD AND PROGRAM
(73) Mitsubishi Heavy Industries, Ltd.
(72) KITAJIMA, Kazuyoshi
SAITO, Takashi
(31) 2013226264
2013245246
(32) 31.10.2013
27.11.2013
(33) Japan
Japan

(51) G01C 21/36
(11) EP3081904
(21) EP15194310.7
(47) 08.01.2020
(22) 12.11.2015
(54) METHOD AND DEVICE FOR NAVIGATING TO A DESTINATION
(73) Volkswagen Aktiengesellschaft
(72) SCHRIEVER, David
(31) 102015206979
(32) 17.04.2015
(33) Germany

(51) G01C 25/00
G01C 19/56
G01C 19/5776
(11) EP2615416
(21) EP13150472.2
(47) 08.01.2020
(22) 08.01.2013
(54) ELECTRONIC BIAS COMPENSATION FOR A GYROSCOPE
(73) The Boeing Company
(72) Liu, Yong
Challoner, Anthony Dorian
(31) 201213348263
(32) 11.01.2012
(33) United States of America

(51) G01D 4/00
G01D 18/00
G01F 15/06
G01K 1/02
G01R 22/06
(11) EP2042837
(21) EP07117213.4
(47) 08.01.2020
(22) 26.09.2007
(54) Meter device for communicating on a communication line
(73) KAMSTRUP A/S
(72) Drachmann, Jens
Nielsen, Søren Tønnes

(51) G01D 5/244
G01D 5/245
G01D 5/347

(11) EP1974186
(21) EP07704927.8
(47) 08.01.2020
(87) GB2007000145
26.07.2007
(22) 17.01.2007
(54) ROTARY ENCODER APPARATUS AND METHOD
(73) Renishaw plc
(72) CHASE, Joel Barnabas
STICKLAND, Thomas John
HOLDEN, Peter Geoffrey
(31) 0601174
0604104
(32) 20.01.2006
01.03.2006
(33) United Kingdom
United Kingdom

(51) G01D 5/353
G01L 1/24
G01M 11/00
(11) EP3066423
(21) EP13798946.3
(47) 08.01.2020
(87) EP2013072981
14.05.2015
(22) 05.11.2013
(54) SINGLE-END BRILLOUIN OPTICAL DISTRIBUTED SENSING DEVICE AND METHOD
(73) Omnisens S.A.
(72) ROCHAT, Etienne
SANGHOON, Chin

(51) G01D 5/353
G01M 5/00
G01M 11/08
G01N 21/17
G01N 29/06
G01N 29/07
G01N 29/24
(11) EP3077795
(21) EP14803131.3
(47) 08.01.2020
(87) EP2014075763
11.06.2015
(22) 27.11.2014
(54) TESTING OF AN INDUSTRIAL STRUCTURE
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) CHAPUIS, Bastien
(31) 1361916
(32) 02.12.2013
(33) France

(51) G01D 18/00
G01D 21/00
G06F 3/01
(11) EP3316078
(21) EP17195883.8
(47) 08.01.2020
(22) 11.10.2017
(54) METHOD OF OPERATING A MEASURING UNIT AND MEASURING UNIT
(73) Krohne Messtechnik GmbH
(72) Deilmann, Michael
Trapp, Thilo
(31) 102016120740
(32) 31.10.2016
(33) Germany

(51) G01F 1/10
G01F 1/115
(11) EP3217151
(21) EP14905613.7
(47) 08.01.2020
(87) RU2014000835
12.05.2016
(22) 06.11.2014
(54) VELOCITY FLOWMETER AND METHOD FOR SETTING A ROTOR IN ROTATION
(73) OOO "ChelyabinskSpetsGrazhdanStroy"
(72) SIZHUK, Vladimir Ivanovich

(51) G01F 1/58
(11) EP3019835
(21) EP14761507.4
(47) 08.01.2020
(87) US2014052464
02.04.2015
(22) 25.08.2014
(54) IMPROVED MAGNETIC CORE CONFIGURATION FOR MAGNETIC FLOWMETERS
(73) Micro Motion, Inc.
(72) ROGERS, Steven Bruce
MAYER, Michael John
MESSENGER, Samuel Ethan
MIKOLICHECK, Michael Jeffrey
(31) 201314038296
(32) 26.09.2013
(33) United States of America

(51) G01F 1/58
G01F 1/60
G01F 25/00
(11) EP2906912
(21) EP14741194.6
(47) 08.01.2020
(87) EP2014001268
05.03.2015
(22) 12.05.2014
(54) METHOD OF OPERATING A MAGNETIC-INDUCTIVE FLOWMETER
(73) KROHNE Messtechnik GmbH
(72) NEVEN, Josef
(31) 102013014016
(32) 26.08.2013
(33) Germany

(51) G01F 1/58
G01F 3/22
G01F 15/04
G01F 15/075
(11) EP2661608
(21) EP11805758.7
(47) 08.01.2020
(87) EP2011005920
12.07.2012
(22) 24.11.2011
(54) METHOD AND APPARATUS FOR DETERMINING THE MASS OF A FLUID FLOWING THROUGH A FLOW RATE METER IN A CONSUMPTION TIME INTERVAL
(73) AVAGO TECHNOLOGIES INTERNATIONAL SALES PTE. LIMITED
(72) Mehnert, Walter
Theil, Thomas
(31) 102011008010
102011011871
(32) 06.01.2011
21.02.2011
(33) Germany
Germany

(51) G01F 1/58
G01F 15/00
G01F 15/10
(11) EP3045874
(21) EP15195758.6
(47) 08.01.2020
(22) 23.11.2015
(54) MAGNETIC-INDUCTIVE FLOW METER
(73) Krohne AG
(72) Beerling, Freek
Heijnsdijk, Alexander Marnix
Neven, Josef
Nicolas, Christian
(31) 102015000110
102015116674
(32) 14.01.2015
01.10.2015
(33) Germany
Germany

(51) G01F 1/60
G01F 15/00
H04L 5/06
H04L 12/26
H04L 25/08
(11) EP3144644
(21) EP16189725.1
(47) 08.01.2020
(22) 20.09.2016
(54) METHOD AND APPARATUS FOR INTERFERENCE REDUCTION
(73) ABB Limited
(72) KEECH, Ray
(31) 201516706
(32) 21.09.2015
(33) United Kingdom

(51) G01F 1/60
G01F 15/06
G01F 25/00
G08C 19/02
(11) EP2145161
(21) EP08742936.1
(47) 08.01.2020
(87) US2008004885
30.10.2008
(22) 16.04.2008
(54) MAGNETIC FLOWMETER TRANSMITTER WITH OUTPUT VERIFICATION CIRCUITRY
(73) Micro Motion, Inc.
(72) SCHULZ, Robert, K.
FOSS, Scot, R.
TOTENHAGEN, William, G.
HUNTER, Kirk, A.
(31) 788392
(32) 19.04.2007
(33) United States of America

(51) G01F 1/66
G01P 5/00
(11) EP3045876
(21) EP13893156.3
(47) 08.01.2020
(87) JP2013074244
12.03.2015

(22) 09.09.2013
(54) FLOW RATE DETECTION APPARATUS AND FLOW RATE DETECTION METHOD
(73) Pioneer Corporation
(72) TATEISHI, Kiyoshi

(51) G01F 1/66
G01P 5/24
(11) EP3175205
(21) EP15828038.8
(47) 08.01.2020
(87) IB2015055724
04.02.2016
(22) 29.07.2015
(54) IMPROVED SIGNAL TRAVEL TIME FLOW METER
(73) GWF MessSysteme AG
(72) HIES, Thomas Werner
LUONG, Trung Dung
OHL, Claus-Dieter
SKRIPALLE, Juergen Heinz-Friedrich
(31) PCT/IB2014/063502
(32) 29.07.2014
(33) World Intellectual Property Office (WIPO)

(51) G01F 1/74
G01F 1/84
G01F 15/00
G01F 15/02
G01N 9/00
(11) EP1889013
(21) EP06771134.1
(47) 08.01.2020
(87) US2006020188
07.12.2006
(22) 24.05.2006
(54) METER ELECTRONICS AND METHOD FOR DETECTING A FLOW ANOMALY IN A FLOW MATERIAL FLOWING THROUGH A FLOWMETER
(73) MICRO MOTION INCORPORATED
(72) DUFFILL, Graeme, Ralph
BELL, Mark, James
MCANALLY, Craig, B.
MAGINNIS, Richard, L.
(31) 685739 P
(32) 27.05.2005
(33) United States of America

(51) G01F 1/80
G01F 23/284
G01N 11/14
H01Q 1/08
H01Q 1/22
(11) EP3105555
(21) EP14704127.1
(47) 08.01.2020
(87) EP2014052626
20.08.2015
(22) 11.02.2014
(54) FILLING LEVEL MEASURING DEVICE WITH A FOLDABLE ANTENNA DEVICE
(73) VEGA Grieshaber KG
(72) WELLE, Roland
DIETERLE, Levin

(51) G01F 1/84
(11) EP1456609
(21) EP02784500.7
(47) 08.01.2020
(87) US2002037032
05.06.2003
(22) 19.11.2002
(54) MANUFACTURING FLOW METERS HAVING A FLOW TUBE MADE OF A FLUOROPOLYMER SUBSTANCE
(73) EMERSON ELECTRIC CO.
(72) PAWLAS, Gary, Edward
BELL, Mark, James
WHEELER, Matthew, Glen
MCNULTY, Daniel, Patrick
ASH, Jonathan, Steven
LEBER, Leland, Charles
(31) 994264
(32) 26.11.2001
(33) United States of America

(51) G01F 1/84
G01N 9/32
(11) EP2307861
(21) EP08781245.9
(47) 08.01.2020
(87) US2008068928
07.01.2010
(22) 01.07.2008
(54) A SYSTEM AND METHOD FOR GENERATING A DRIVE SIGNAL IN A VIBRATING MEASURING DEVICE
(73) Micro Motion, Inc.
(72) MCANALLY, Craig, B.

(51) G01F 3/16
G01F 25/00
(11) EP3392628
(21) EP17203899.4
(47) 08.01.2020
(22) 27.11.2017
(54) PISTON TEST INSTRUMENT FOR CALIBRATION AND/OR GAUGING OF A FLOW METER AND/OR FOR DETERMINING A FLOW RATE OF A MEASURED MEDIUM
(73) L'Atelier de Matourne S.A.S.
Leveque, Vincent Mickael Anthony
(72) Leveque, Vincent Mickael Anthony
(31) 1753465
(32) 21.04.2017
(33) France

(51) G01F 11/26
(11) EP2643665
(21) EP11785157.6
(47) 08.01.2020
(87) NL2011050782
14.06.2012
(22) 16.11.2011
(54) CONTAINER FOR A FLUID WITH ADJUSTABLE DOSAGE
(73) Bark Innovations B.V.
(72) DEBSKI, Edward Hendrik
(31) 1038405
(32) 25.11.2010
(33) Netherlands

(51) G01F 23/00
G01F 23/14
G01F 23/24
G01F 23/292
G05B 15/02
G08B 21/18
(11) EP3380898
(21) EP16795354.6
(47) 08.01.2020
(87) EP2016077735
01.06.2017
(22) 15.11.2016
(54) A SYSTEM FOR AND A METHOD OF MONITORING WATER DRAINAGE
(73) Signify Holding B.V.
(72) DEN HARTOG, Edith, Danielle
VONCKEN, Ralf, Gertruda, Hubertus
(31) 15195974
(32) 24.11.2015
(33) European Patent Office (EPO)

(51) G01F 23/00
G01F 23/26
G01F 23/284
H01B 11/18
H01P 3/00
(11) EP2929303
(21) EP13860645.4
(47) 08.01.2020
(87) SE2013000174
12.06.2014
(22) 15.11.2013
(54) PROBE SPACING ELEMENT
(73) Rosemount Tank Radar AB
(72) FREDRIKSSON, Håkan
(31) 201213706637
(32) 06.12.2012
(33) United States of America

(51) G01F 23/00
G01F 23/284
G01S 7/28
G01S 13/12
G01S 13/22
G01S 13/88
(11) EP3029434
(21) EP15197038.1
(47) 08.01.2020
(22) 30.11.2015
(54) RADAR LEVEL GAUGING
(73) Rosemount Tank Radar AB
(72) Nilsson, Valter
Wenger, Fabian
(31) 201414556652
(32) 01.12.2014
(33) United States of America

(51) G01F 23/296
G01N 29/024
G01S 7/52
G01S 15/10
(11) EP2577238
(21) EP11731573.9
(47) 08.01.2020
(87) US2011038161
08.12.2011
(22) 26.05.2011
(54) ULTRASONIC LEVEL, ON-BOARD DIAGNOSTIC ASSESSMENT
(73) SSI Technologies, Inc.
(72) MURPHY, Gregory, Paul
(31) 201113070850
351689 P
(32) 24.03.2011
04.06.2010
(33) United States of America
United States of America

(51) G01G 19/42
(11) EP2469248
(21) EP11195831.0

(47) 08.01.2020
(22) 27.12.2011
(54) Method and device for counting items
(73) Balea SA
(72) Cosmas, Vassili
(31) 1005123
(32) 27.12.2010
(33) France

(51) G01J 1/42
H01L 31/0352
(11) EP2023399
(21) EP08167724.7
(47) 08.01.2020
(22) 02.09.2003
(54) Photonic Mixer
(73) Sony Depthsensing Solutions SA/NV
(72) Kuijk, Maarten
Van Nieuwenhove, Daniel

(51) G01J 3/02
G01J 3/46
G01J 3/51
(11) EP3427026
(21) EP17715531.4
(47) 08.01.2020
(87) IB2017051355
14.09.2017
(22) 08.03.2017
(54) A DEVICE FOR DETECTING THE COLOR OF LEATHER HIDES
(73) Ger Elettronica S.R.L.
(72) DAL CEREDO, Giuliano
(31) UA20161497
(32) 09.03.2016
(33) Italy

(51) G01J 7/00
G01J 11/00
H01S 3/00
H05H 15/00
(11) EP3416250
(21) EP18177474.6
(47) 08.01.2020
(22) 13.06.2018
(54) METHOD AND DEVICE FOR CONTROLLING THE PROPAGATION VELOCITY OF LASER PULSE EMITTED
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) QUERE, Fabien
(31) 1755297
(32) 13.06.2017
(33) France

(51) G01K 7/04
G01L 9/00
G01L 19/00
G01L 19/02
G01L 19/04
(11) EP3391002
(21) EP16795108.6
(47) 08.01.2020
(87) EP2016077745
22.06.2017
(22) 15.11.2016
(54) CERAMIC PRESSURE MEASUREMENT CELL HAVING AT LEAST ONE TEMPERATURE TRANSDUCER AND PRESSURE SENSOR HAVING A PRESSURE MEASUREMENT CELL OF THIS TYPE
(73) Endress+Hauser SE+Co. KG
(72) ROSSBERG, Andreas
PONATH, Nils
SCHLEIFERBÖCK, Jan
UEHLIN, Thomas
(31) 102015122220
(32) 18.12.2015
(33) Germany

(51) G01K 13/02
G01L 9/00
G01L 19/14
(11) EP2936102
(21) EP13826972.5
(47) 08.01.2020
(87) IB2013061208
26.06.2014
(22) 20.12.2013
(54) PRESSURE SENSOR
(73) Metallux SA
(72) MONICHINO, Massimo
(31) TO20121130
(32) 21.12.2012
(33) Italy

(51) G01L 9/00
G01L 9/06
(11) EP3460435
(21) EP18204686.2
(47) 08.01.2020
(22) 23.11.2011
(54) PRESSURE TRANSDUCER WITH MEASURING BRIDGE
(73) Honeywell International Inc.
(72) STEWART, Carl
BRADLEY, Alistair
RICKS, Lamar
(31) 41711910 P
201113196743
(32) 24.11.2010
02.08.2011
(33) United States of America
United States of America

(51) G01L 19/14
(11) EP3234535
(21) EP15813072.4
(47) 08.01.2020
(87) EP2015080519
23.06.2016
(22) 18.12.2015
(54) PRESSURE SENSOR SUITED TO MEASURING PRESSURE IN AN AGGRESSIVE ENVIRONMENT
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) DANEL, Jean-Sébastien
DIEM, Bernard
POLIZZI, Jean-Philippe
(31) 1462940
(32) 19.12.2014
(33) France

(51) G01M 3/20
(11) EP3165889
(21) EP15814139.0
(47) 08.01.2020
(87) JP2015066295
07.01.2016
(22) 05.06.2015
(54) METHOD FOR TESTING CONTAINER SEALING AND ASSISTANCE DEVICE
(73) Suntory Holdings Limited
(72) MURASE Tatsuya
KOBAYASHI Toshiya
TAKANO Riki
(31) 2014137899
(32) 03.07.2014
(33) Japan

(51) G01M 3/32
(11) EP3227655
(21) EP15798484.0
(47) 08.01.2020
(87) EP2015077636
09.06.2016
(22) 25.11.2015
(54) LEAK-TIGHTNESS TEST WITH CARRIER GAS IN FOIL CHAMBER
(73) Inficon GmbH
(72) WETZIG, Daniel
DECKER, Silvio
(31) 102014224799
(32) 03.12.2014
(33) Germany

(51) G01M 11/02
G03F 7/20
(11) EP3414625
(21) EP17705317.0
(47) 08.01.2020
(87) EP2017051759
17.08.2017
(22) 27.01.2017
(54) DEVICE AND METHOD FOR MOIRÉ MEASUREMENT OF AN OPTICAL TEST SPECIMEN
(73) Carl Zeiss SMT GmbH
(72) SAMANIEGO, Michael
SCHADE, Peter
KEIL, Michael
JÄNKER, Bernd
(31) 102016202198
(32) 12.02.2016
(33) Germany

(51) G01M 15/14
(11) EP3449232
(21) EP17720421.1
(47) 08.01.2020
(87) EP2017059560
02.11.2017
(22) 21.04.2017
(54) FAULT DIAGNOSIS DURING TESTING OF TURBINE UNIT
(73) Siemens Aktiengesellschaft
(72) FERNANDO, Lalith
(31) 16167606
(32) 29.04.2016
(33) European Patent Office (EPO)

(51) G01M 17/02
(11) EP3384267
(21) EP16820342.0
(47) 08.01.2020
(87) IB2016057184
08.06.2017
(22) 29.11.2016
(54) METHOD AND APPARATUS FOR CHECKING TYRES FOR VEHICLE WHEELS
(73) Pirelli Tyre S.p.A.
(72) BOFFA, Vincenzo
TERSI, Luca

BALLARDINI, Valeriano
(31) UB20156028
(32) 30.11.2015
(33) Italy

(51) G01N 1/08
G01N 1/10
G01N 1/14
G01N 1/20
G01N 33/10
(11) EP3387409
(21) EP16795274.6
(47) 08.01.2020
(87) EP2016076937
15.06.2017
(22) 08.11.2016
(54) DEVICE FOR SAMPLING GRANULAR SOLIDS
(73) AXENS
(72) DESPAUX, Yvan
(31) 1562153
(32) 10.12.2015
(33) France

(51) G01N 1/10
G01N 1/14
G01N 1/22
G01N 1/24
G01T 7/02
G01T 7/08
G21C 17/00
(11) EP3368879
(21) EP16794220.0
(47) 08.01.2020
(87) EP2016074843
04.05.2017
(22) 17.10.2016
(54) SAMPLE CONTAINER, SAMPLING SYSTEM, AND CORRESPONDING OPERATING METHOD
(73) FRAMATOME GMBH
(72) HILL, Axel
(31) 102015221151
(32) 29.10.2015
(33) Germany

(51) G01N 1/22
(11) EP3312584
(21) EP15895690.4
(47) 08.01.2020
(87) JP2015083583
22.12.2016
(22) 30.11.2015
(54) CONTINUOUS MEASUREMENT METHOD FOR HYDROGEN GAS CONCENTRATION AND HYDROGEN GAS CONCENTRATION MEASUREMENT DEVICE USED IN SAME
(73) Pureron Japan Co., Ltd.
(72) NAKAJIMA, Hidetoshi
TAGUCHI, Koji
(31) 2015122854
(32) 18.06.2015
(33) Japan

(51) G01N 1/28
G01N 33/48
G01N 37/00
(11) EP2600134
(21) EP11812486.6
(47) 08.01.2020
(87) JP2011066976
02.02.2012
(22) 26.07.2011
(54) TISSUE ARRAY PRODUCTION METHOD
(73) Sakura Seiki Co., Ltd.
Sakura Finetek Japan Co., Ltd.
(72) NAKAZAWA, Yoshiaki
TAKANO, Masaki
ARAKAWA, Masahiko
NARITAKE, Kohji
(31) 2010170958
(32) 29.07.2010
(33) Japan

(51) G01N 1/30
G01N 1/31
G01N 21/27
G02B 21/00
G06T 7/80
(11) EP2861962
(21) EP13726849.6
(47) 08.01.2020
(87) GB2013051471
19.12.2013
(22) 03.06.2013
(54) IMAGING CALIBRATION DEVICE FOR A BIOLOGICAL MATERIAL IMAGING DEVICE AND METHOD FOR FORMING SAID IMAGING CALIBRATION DEVICE
(73) FFEI Limited
(72) GOUCH, Martin Philip
REVIE, Craig
WALSH, Peter
DEANE, Jacqueline Margaret
(31) 201210403
201216022
(32) 13.06.2012
07.09.2012
(33) United Kingdom
United Kingdom

(51) G01N 1/31
(11) EP2920571
(21) EP13855307.8
(47) 08.01.2020
(87) DK2013050385
22.05.2014
(22) 18.11.2013
(54) METHOD AND APPARATUS FOR REAGENT VALIDATION IN AUTOMATED SAMPLE PROCESSING
(73) Dako Denmark A/S
(72) WENDELBOE, Helle Grann
DEVORE, Scott
(31) 727452 P
201270710
(32) 16.11.2012
16.11.2012
(33) United States of America
Denmark

(51) G01N 1/40
G01N 15/00
G01N 15/06
G01N 15/14
(11) EP3389813
(21) EP16876228.4
(47) 08.01.2020
(87) US2016058011
22.06.2017
(22) 21.10.2016
(54) HIGH PRECISION QUANTIFICATION OF SUB-VISIBLE PARTICLES
(73) Intelligent Virus Imaging Inc.
(72) NORDSTROM, Rickard
SINTORN, Ida-Maria
HAAG, Lars
(31) 201562269465 P
(32) 18.12.2015
(33) United States of America

(51) G01N 3/32
G01N 17/04
(11) EP2679978
(21) EP12173648.2
(47) 08.01.2020
(22) 26.06.2012
(54) Sample testing apparatus and method
(73) GE Oil & Gas UK Limited
(72) Pires, Fabio de Souza
Santos, Fabio Pinheiro dos

(51) G01N 9/00
G01N 33/26
G01N 33/28
G02B 6/42
(11) EP3220175
(21) EP17161513.1
(47) 08.01.2020
(22) 17.03.2017
(54) OPTICALLY INTERFACED FLUID DENSITY SENSOR
(73) Simmonds Precision Products, Inc.
(72) BROWN, Rollin W.
AVERILL, James C.
(31) 201615074408
(32) 18.03.2016
(33) United States of America

(51) G01N 15/10
G01N 15/14
G01N 21/01
G06T 7/73
(11) EP2972201
(21) EP14762234.4
(47) 08.01.2020
(87) US2014028241
18.09.2014
(22) 14.03.2014
(54) IMAGE RECOGNITION BASE ABLATION PATTERN POSITION RECALL
(73) Elemental Scientific Lasers, LLC
(72) SUMMERFIELD, Leif, Christian
(31) 201361792016 P
(32) 15.03.2013
(33) United States of America

(51) G01N 17/00
(11) EP2846146
(21) EP13183376.6
(47) 08.01.2020
(22) 06.09.2013
(54) weathering test with multiple independently controllable radiation sources
(73) Atlas Material Testing Technology GmbH
(72) RUDOLPH, Bernd
MARCH, Peter

(51) G01N 21/01
G01N 21/64
(11) EP2713154
(21) EP12186864.0

(47) 08.01.2020
(22) 01.10.2012
(54) Light source module and method for modifying an analytical instrument for analyzing a sample
(73) F. Hoffmann-La Roche AG
(72) Durrer, Fabian
Furlan, Alan
Wietzorrek, Joachim

(51) G01N 21/21
G01N 21/47
G01N 21/55
(11) EP2583082
(21) EP11717503.4
(47) 08.01.2020
(87) EP2011002141
22.12.2011
(22) 29.04.2011
(54) SENSOR FOR DETERMINING THE ROADWAY CONDITION WITHOUT CONTACT AND USE THEREOF
(73) WABCO GmbH
(72) BREUER, Karsten
DIECKMANN, Thomas
ESKILDSEN, Jörn
GERAMI-MANESCH, Bijan
PEUSER, Axel
SANDKÜHLER, Dirk
(31) 102010023856
(32) 15.06.2010
(33) Germany

(51) G01N 21/31
H01J 61/06
H01J 61/20
H01J 61/32
H01J 61/72
H01J 65/04
(11) EP2282193
(21) EP09755118.8
(47) 08.01.2020
(87) RU2009000254
03.12.2009
(22) 18.05.2009
(54) ATOMIC ABSORPTION MERCURY ANALYSER
(73) Litmex Ltd.
(72) SHOLUPOV, Sergei Evgenievich
(31) 2008121928
(32) 26.05.2008
(33) Russian Federation

(51) G01N 21/64
C12Q 1/6806
C12Q 1/6895
(11) EP2534463
(21) EP11705805.7
(47) 08.01.2020
(87) DK2011050037
18.08.2011
(22) 10.02.2011
(54) METHOD FOR ANALYSIS OF CELLULAR DNA CONTENT
(73) ChemoMetec A/S
(72) KJÆRULFF, Søren
GLENSBJERG, Martin
(31) 303412 P
201070047
(32) 11.02.2010
11.02.2010
(33) United States of America
Denmark

(51) G01N 21/64
G02B 5/20
G02B 21/00
G02B 21/06
G02B 21/16
G02B 21/36
G02B 26/02
(11) EP3422072
(21) EP17179019.9
(47) 08.01.2020
(22) 30.06.2017
(54) ILLUMINATION SYSTEM, MICROSCOPE COMPRISING AN ILLUMINATION SYSTEM AND MICROSCOPE METHOD
(73) Leica Instruments (Singapore) Pte. Ltd.
(72) Themelis, George

(51) G01N 21/64
G02B 21/16
G02B 21/36
(11) EP2721442
(21) EP12728067.5
(47) 08.01.2020
(87) EP2012061292
20.12.2012
(22) 14.06.2012
(54) METHOD AND APPARATUS FOR IMAGING A STRUCTURE MARKED WITH A FLUORESCENT DYE
(73) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.
Deutsches Krebsforschungszentrum
(72) HELL, Stefan W.
SCHNEIDER, Jale
ENGELHARDT, Johann
(31) 102011051086
102011053739
(32) 15.06.2011
19.09.2011
(33) Germany
Germany

(51) G01N 21/77
G01N 21/78
G01N 31/22
(11) EP2856119
(21) EP13800506.1
(47) 08.01.2020
(87) US2013026701
12.12.2013
(22) 19.02.2013
(54) OPTICAL SENSOR FOR DETERMINING QUATERNARY AMMONIUM COMPOUND CONCENTRATION
(73) Ecolab USA Inc.
(72) KRAUS, Paul R.
TISCHLER, Sherri
SMITH, Kim R.
(31) 201261655719 P
(32) 05.06.2012
(33) United States of America

(51) G01N 21/88
G01N 21/956
G01N 23/20
(11) EP1543314
(21) EP03797502.6
(47) 08.01.2020
(87) IL2003000754
01.04.2004
(22) 18.09.2003
(54) INSPECTION SYSTEM FOR LIMITED ACCESS SPACES
(73) S.T.I. Security Technology Integration Ltd.
(72) OVADIA, Yuval
(31) 252040
(32) 23.09.2002
(33) United States of America

(51) G01N 21/88
H01L 21/67
H01L 21/677
H01L 21/68
H01L 21/683
H01L 23/00
H05K 13/02
H05K 13/08
(11) EP3363045
(21) EP16775131.2
(47) 08.01.2020
(87) EP2016072482
20.04.2017
(22) 22.09.2016
(54) DEVICE AND METHOD FOR SELF-ADJUSTMENT OF A COMPONENT HANDLING DEVICE FOR ELECTRONIC COMPONENTS
(73) Mühlbauer GmbH & Co. KG
(72) KOCH, Konstantin
FERSTL, Markus
BRANDL, Franz
MIEHLICH, Rainer
LAKHADANAU, Siarhei
(31) 102015013495
(32) 16.10.2015
(33) Germany

(51) G01N 21/90
(11) EP2718696
(21) EP12718087.5
(47) 08.01.2020
(87) EP2012001895
13.12.2012
(22) 02.05.2012
(54) INSPECTION OF EMPTY BOTTLES
(73) KHS GmbH
(72) HERRMANN, Marius Michael
WIEMAR, Heinrich
SCHORN, Wolfgang
HERRMANN, Jürgen
(31) 102011106136
(32) 10.06.2011
(33) Germany

(51) G01N 25/18
G01N 29/024
G01N 33/22
(11) EP3021117
(21) EP15003229.0
(47) 08.01.2020
(22) 12.11.2015
(54) METHOD AND MEASURING DEVICE FOR THE DETERMINATION OF SPECIFIC VALUES FOR THE CONSTITUTION OF GAS
(73) MEMS AG
(72) Prêtre, Philippe
(31) 14003855
(32) 14.11.2014
(33) European Patent Office (EPO)

(51) G01N 27/02
G01N 33/38
(11) EP3150998
(21) EP15800304.6
(47) 08.01.2020
(87) ES2015070410
03.12.2015
(22) 26.05.2015
(54) EMBEDDED SENSOR FOR THE CONTINUOUS MEASUREMENT OF MECHANICAL RESISTANCE IN STRUCTURES MADE FROM CEMENTITIOUS MATERIAL, METHOD FOR PRODUCING THE SENSOR, AND SYSTEM AND METHOD FOR THE CONTINUOUS MEASUREMENT OF MECHANICAL RESISTANCE IN STRUCTURES MADE FROM CEMENTITIOUS MATERIALS
(73) Consejo Superior De Investigaciones Científicas (CSIC)
Pavol Jozef Safárik University in Kosice
The Technical University of Kosice
All World Certificacion, S.L.
(72) OLIVERA CABO, Jesús
ANAYA VELAYOS, José Javier
GONZÁLEZ HERNÁNDEZ, Margarita
APARICIO SECANELLAS, Sofia
VARGA, Rastislav
ROVNAK, Marian
FUENTES RAMÍREZ, José Vicente
(31) 201430787
(32) 27.05.2014
(33) Spain

(51) G01N 27/30
G01N 27/401
(11) EP2363705
(21) EP11153838.5
(47) 08.01.2020
(22) 09.02.2011
(54) Microfabricated liquid-junction reference electrode
(73) Stichting IMEC Nederland
(72) Blauw, Michiel
Gonzalo Ruiz, Javier
Crego Calama, Mercedes
Brongersma, Sywert H.
(31) 302670 P
(32) 09.02.2010
(33) United States of America

(51) G01N 27/327
(11) EP3063537
(21) EP14799848.8
(47) 08.01.2020
(87) GB2014053323
14.05.2015
(22) 07.11.2014
(54) SAMPLING PLATE WITH VARIABLE HEIGHT TESTING ZONES
(73) Brytech Design & Engineering Project Management Limited
Tape Specialities Limited
(72) BRYAN, Matthew
SEAGRAVE, Stuart
(31) 201319703
(32) 07.11.2013
(33) United Kingdom

(51) G01N 27/416
(11) EP3206024
(21) EP15859251.9
(47) 08.01.2020
(87) JP2015081363
19.05.2016
(22) 06.11.2015
(54) EQUILIBRIUM POTENTIAL ESTIMATION METHOD, EQUILIBRIUM POTENTIAL ESTIMATION DEVICE, CONCENTRATION ESTIMATION DEVICE, AND BLOOD-SUGAR ESTIMATION DEVICE
(73) Asahi Kasei Kabushiki Kaisha
(72) AYABE Masaaki
UDAGAWA Ken
(31) 2014229614
(32) 12.11.2014
(33) Japan

(51) G01N 27/42
G01N 33/18
(11) EP2263079
(21) EP08745156.3
(47) 08.01.2020
(87) US2008059467
08.10.2009
(22) 04.04.2008
(54) SIMULTANEOUS ELECTROCHEMICAL DETECTION OF MULTIPLE HEAVY METAL IONS IN LIQUID
(73) Arizona Board of Regents on behalf of Arizona State University
EMD Millipore Corporation
(72) DIMITRAKOPOULOS, Telis
WANG, Joseph
GLIPA, Céline
RAJAGOPALAN, Pascal
MABIC, Stéphane

(51) G01N 27/447
(11) EP3225980
(21) EP15861879.3
(47) 08.01.2020
(87) JP2015082490
26.05.2016
(22) 19.11.2015
(54) BIOMOLECULE-SEPARATING APPARATUS
(73) MERCK LTD.
(72) GOTO, Shinichi
KINOSHITA, Hideki
HIRABAYASHI, Mieko
KAGEYAMA, Kouhei
TOMINAGA, Taiga
(31) 2014235992
(32) 20.11.2014
(33) Japan

(51) G01N 27/447
G01N 33/543
(11) EP2776821
(21) EP12791360.6
(47) 08.01.2020
(87) US2012063755
25.07.2013
(22) 06.11.2012
(54) FLUIDIC DEVICES HAVING INCORPORATED ELECTRODES
(73) Caliper Life Sciences, Inc.
(72) KENNEDY, Colin B.
MOLHO, Josh
DUKHOVNY, Alexander V.
(31) 201113290843
(32) 07.11.2011
(33) United States of America

(51) G01N 29/04
G01N 29/07
G01N 29/34
G01N 29/44
(11) EP2304422
(21) EP09788241.9
(47) 08.01.2020
(87) NL2009050452
28.01.2010
(22) 22.07.2009
(54) CORROSION MONITORING
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) VOLKER, Arno, Willem, Frederik
BLOOM, Joost, Gerardus, Petrus
VAN BEEK, Pieter, Jacobus, Gijsbertus
MAST, Arjan
(31) 08160912
09157642
(32) 22.07.2008
08.04.2009
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G01N 29/06
G01N 29/11
G01N 29/26
G01N 29/44
G01S 15/89
(11) EP3146325
(21) EP15719190.9
(47) 08.01.2020
(87) EP2015058789
26.11.2015
(22) 23.04.2015
(54) SIMULATION-AIDED ULTRASONIC DEFECT EVALUATION
(73) Siemens Aktiengesellschaft
(72) FENDT, Karl
MOOSHOFER, Hubert
RUPITSCH, Stefan Johann
(31) 102014209773
(32) 22.05.2014
(33) Germany

(51) G01N 29/22
G01N 29/24
G01N 29/265
(11) EP2851681
(21) EP14180808.9
(47) 08.01.2020
(22) 13.08.2014
(54) Apparatus for non-destructive inspection of stringers
(73) The Boeing Company
(72) Sarr, Dennis P
Bui, Hien T
(31) 201313975599
(32) 26.08.2013
(33) United States of America

(51) G01N 30/16
G01N 33/00
G01N 33/22
G01N 33/28
(11) EP2856144
(21) EP12731531.5

(47) 08.01.2020
(87) FR2012051241
12.12.2013
(22) 04.06.2012
(54) FLUID ANALYSER COMPRISING A FLAMMABLE SUBSTANCE AND CORRESPONDING METHOD
(73) Apix Analytics
Total SA
EIF-Astute
(72) ANDREUCCI, Phillipe
COLINET, Eric
CORIC, Philippe
DE WIT, Jean-Claude
PUGET, Pierre

(51) G01N 33/12
A23L 5/10
(11) EP3082457
(21) EP14827823.7
(47) 08.01.2020
(87) FR2014053302
25.06.2015
(22) 12.12.2014
(54) METHOD FOR COOKING FOOD AND/OR A COOKING ACCESSORY AND ASSESSING THE FORMATION OF NEOFORMED COMPOUNDS
(73) SEB S.A.
(72) CUILLERY, Pascal
HOFLEITNER, Céline
(31) 1363301
(32) 20.12.2013
(33) France

(51) G01N 33/50
G01N 33/68
G01N 33/94
(11) EP2972326
(21) EP14721649.3
(47) 08.01.2020
(87) US2014028537
18.09.2014
(22) 14.03.2014
(54) A NONINVASIVE METHOD FOR MEASURING METABOLITES FOR SKIN HEALTH
(73) The Procter & Gamble Company
(72) KERR, Kathleen Marie
WEHMEYER, Kenneth Robert
WANG, Feng
FIENO, Angela Marie
MILLS, Kevin John
(31) 201361793719 P
(32) 15.03.2013
(33) United States of America

(51) G01N 33/50
G01N 33/92
(11) EP3327440
(21) EP17191391.6
(47) 08.01.2020
(22) 13.02.2013
(54) METHODS FOR EXOSOME ISOLATION
(73) Life Technologies Corporation
(72) VLASSOV, Alexander
LI, Mu
ZERINGER, Emily
CONRAD, Richard
(31) 201261625562 P
(32) 17.04.2012
(33) United States of America

(51) G01N 33/542
G01N 33/557
(11) EP3350596
(21) EP16775105.6
(47) 08.01.2020
(87) EP2016071901
23.03.2017
(22) 15.09.2016
(54) METHOD FOR DETERMINING KINETIC PROFILES IN DRUG DISCOVERY
(73) Enzymlogic, S.L
(72) ALFONSO SAN-SEGUNDO, Ana Patricia
CORRIONERO PÉREZ, Ana
(31) 15185422
(32) 16.09.2015
(33) European Patent Office (EPO)

(51) G01N 33/543
G01N 33/564
G01N 33/569
G01N 33/68
G01N 21/552
(11) EP3436827
(21) EP17717789.6
(47) 08.01.2020
(87) FR2017050702
05.10.2017
(22) 28.03.2017
(54) METHOD FOR DETERMINING ACTIVE CONCENTRATIONS AND/OR KINETIC INTERACTION CONSTANTS IN COMPLEX BIOLOGICAL SAMPLES BY MEANS OF SURFACE PLASMON RESONANCE
(73) Université de Bordeaux
Centre Hospitalier Universitaire de Bordeaux
Centre National de la Recherche Scientifique
INSERM (Institut National de la Santé et de la Recherche Médicale)
(72) VISENTIN, Jonathan
DI PRIMO, Carmelo
TAUPIN, Jean-Luc
(31) 1652699
(32) 29.03.2016
(33) France

(51) G01N 33/566
G01N 33/68
(11) EP3207375
(21) EP15778343.2
(47) 08.01.2020
(87) EP2015073623
21.04.2016
(22) 13.10.2015
(54) DETECTION OF IGM ANTIBODIES USING AN IMMUNE COMPLEX (IC) ELISA
(73) Bernhard-Nocht-Institut für Tropenmedizin
(72) EMMERICH-PALOH, Petra
SCHMITZ, Herbert
DESCHERMEIER, Christina
(31) 14188831
(32) 14.10.2014
(33) European Patent Office (EPO)

(51) G01N 33/68
(11) EP3217179
(21) EP17167637.2
(47) 08.01.2020
(22) 02.10.2013
(54) METHODS FOR PREDICTING AND MONITORING MUCOSAL HEALING
(73) Prometheus Biosciences, Inc.
(72) SINGH, Sharat
LIU, Xinjun
HAUENSTEIN, Scott
KIRKLAND, Richard
DRAKE, Katherine
(31) 201261710491 P
201361824959 P
(32) 05.10.2012
17.05.2013
(33) United States of America
United States of America

(51) G01N 33/68
(11) EP3296747
(21) EP17197260.7
(47) 08.01.2020
(22) 10.03.2014
(54) NONALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NONALCOHOLIC STEATOHEPATITIS (NASH) BIOMARKERS AND USES THEREOF
(73) Somalogic, Inc.
(72) NIKRAD, Malti
FIELD, Stuart G.
WILLIAMS, Stephen Alaric
(31) 201361787967 P
(32) 15.03.2013
(33) United States of America

(51) G01N 33/68
G01N 33/86
(11) EP3408674
(21) EP17707596.7
(47) 08.01.2020
(87) FR2017050158
03.08.2017
(22) 25.01.2017
(54) METHOD FOR DIAGNOSING DIC
(73) Hôpitaux Universitaires de Strasbourg (HUS)
Diagnostica Stago
(72) BOISRAMÉ-HELMS, Julie
TOTI, Florence
STIEL, Laure
MAUVIEUX, Laurent
MEZIANI, Ferhat
(31) 1650667
1650765
1661823
(32) 27.01.2016
29.01.2016
01.12.2016
(33) France
France
France

(51) G01N 33/68
G16B 20/30
G16B 35/10
(11) EP3140762
(21) EP15720295.3
(47) 08.01.2020
(87) EP2015058708
12.11.2015
(22) 22.04.2015
(54) METHODS AND SYSTEMS FOR PREDICTING ALLOREACTIVITY IN TRANSPLANTATION

(73) PIRCHE AG
UMC Utrecht Holding B.V.
(72) SCHLIEHE-DIECKS, Ralf
SPIERINGS, Hendrikus Theodorus
(31) 14167392
201461989728 P
(32) 07.05.2014
07.05.2014
(33) European Patent Office (EPO)
United States of America

(51) G01N 35/00
G01N 35/02
G01N 35/04
(11) EP2921860
(21) EP13854263.4
(47) 08.01.2020
(87) JP2013080454
22.05.2014
(22) 11.11.2013
(54) AUTOMATED ANALYZER
(73) Hitachi High-Technologies Corporation
(72) SHIBA, Takao
TANAKA, Yoshiyuki
MATSUBARA, Eiichi
(31) 2012250350
(32) 14.11.2012
(33) Japan

(51) G01N 35/00
G06F 1/32
(11) EP2738559
(21) EP12194558.8
(47) 08.01.2020
(22) 28.11.2012
(54) Method for the temporary operation of an automatic analyzer in a standby mode
(73) Siemens Healthcare Diagnostics Products GmbH
(72) Bugner, Dirk
Preidel, Markus
Proch, Klaus
Pufahl, Holger

(51) G01N 35/02
G01N 35/10
(11) EP2755038
(21) EP12829330.5
(47) 08.01.2020
(87) JP2012068385
14.03.2013
(22) 19.07.2012
(54) Automatic analyzing apparatus and method for use in an automatic analyzer
(73) Hitachi High-Technologies Corporation
(72) TAKAHASHI Kenichi
YAMAZAKI Isao
(31) 2011194356
(32) 06.09.2011
(33) Japan

(51) G01N 35/10
(11) EP2300832
(21) EP09786586.9
(47) 08.01.2020
(87) IB2009053031
21.01.2010
(22) 13.07.2009
(54) DEVICE FOR USE IN MOLECULAR DIAGNOSTICS TESTING
(73) Koninklijke Philips N.V.
(72) DE GIER, Ronald, C.
(31) 08160333
08169800
(32) 14.07.2008
24.11.2008
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G01P 5/16
G01P 13/02
G01P 21/02
(11) EP3415924
(21) EP18164947.6
(47) 08.01.2020
(22) 29.03.2018
(54) SYSTEM FOR ESTIMATING AIRSPEED OF AN AIRCRAFT BASED ON A DRAG MODEL
(73) The Boeing Company
(72) LUO, Jia
WILSON, Douglas Lee
(31) 201715620224
(32) 12.06.2017
(33) United States of America

(51) G01R 1/22
G01R 15/14
G01R 19/00
G01R 19/18
G01R 27/08
G01R 31/08
G01R 35/00
(11) EP3321701
(21) EP17201212.2
(47) 08.01.2020
(22) 10.11.2017
(54) PROVING UNIT FOR VOLTAGE MEASUREMENT SYSTEMS
(73) Fluke Corporation
(72) Epperson, David
Rodriguez, Ricardo
(31) 201662421124 P
201715490550
(32) 11.11.2016
18.04.2017
(33) United States of America
United States of America

(51) G01R 19/165
H02M 3/156
H02M 3/158
(11) EP2819288
(21) EP13305875.0
(47) 08.01.2020
(22) 25.06.2013
(54) Method of valley inductance current polarity detection in a pulse width modulated circuit with an inductive charge
(73) ST-Ericsson SA
(72) Michal, Vratislav

(51) G01R 21/06
G01R 25/00
H02P 23/26
H02P 25/024
(11) EP1959559
(21) EP08150388.0
(47) 08.01.2020
(22) 18.01.2008
(54) Phase detection method, phase detecting apparatus, synchronous-motor control method, and synchronous motor controller
(73) Fujitsu General Limited
(72) Ichiki, Satoshi
Kawaguchi, Naoki
(31) 2007029620
(32) 08.02.2007
(33) Japan

(51) G01R 22/00
H01F 1/153
H01F 27/42
(11) EP2293308
(21) EP10184081.7
(47) 08.01.2020
(22) 26.10.2005
(54) Electric measuring device comprising a nanocrystalline toroidal core
(73) Aperam Alloys Imphy
Centre National de la Recherche Scientifique
Ecole Normale Supérieure de Cachan
(72) Waeckerle, Thierry
Simon, Fabien
Alves, Francisco
Save, Thierry
Demier, Alain
(31) 0411618
(32) 29.10.2004
(33) France

(51) G01R 23/00
G01R 25/00
(11) EP3051301
(21) EP16153386.4
(47) 08.01.2020
(22) 29.01.2016
(54) SYSTEM FOR ANALYSING THE FREQUENCY OF A SIGNAL, A METHOD THEREOF AND A SYSTEM FOR MEASURING THE RELATIVE PHASE BETWEEN TWO INPUT SIGNALS
(73) Michell Instruments Ltd.
(72) AUSTIN, David
STOKES, Andrew M. V.
SUMMERS, Michael
(31) 201501490
(32) 29.01.2015
(33) United Kingdom

(51) G01R 23/00
G01S 13/78
H04B 17/27
(11) EP3446421
(21) EP17720706.5
(47) 08.01.2020
(87) EP2017059243
26.10.2017
(22) 19.04.2017
(54) METHOD AND DEVICE FOR DETECTING 1090 ES MESSAGES EMITTED BY AIRCRAFT, SATELLITE COMPRISING SUCH A DETECTION DEVICE
(73) Airbus Defence and Space SAS
(72) PICARD, Mathieu
ELFASSI, Adrien
(31) 1653447
(32) 19.04.2016
(33) France

(51) G01R 29/08
G01R 29/14
G01W 1/10
G01W 1/16
H02G 13/00

(11) EP3072197
(21) EP14802850.9
(47) 08.01.2020
(87) EP2014075007
28.05.2015
(22) 19.11.2014
(54) METHOD AND WIND TURBINE FOR WARNING OF LIGHTNING
(73) Wobben Properties GmbH
(72) GROENHAGEN, Jannes
(31) 102013223592
(32) 19.11.2013
(33) Germany

(51) G01R 29/08
H01Q 1/00
H04B 17/10
(11) EP3264641
(21) EP16176808.0
(47) 08.01.2020
(22) 29.06.2016
(54) OVER THE AIR POWER SENSOR AND METHOD
(73) Rohde & Schwarz GmbH & Co. KG
(72) GALLHAUSER, Markus
PERNDL, Dr., Werner
VOSS, Nino
SCHNATTINGER, Dr., Georg
TANKIELUN, Dr., Adam

(51) G01R 31/02
H02H 3/17
H02H 5/10
H02H 7/20
(11) EP3457510
(21) EP18183716.2
(47) 08.01.2020
(22) 16.07.2018
(54) ELECTRICAL CONNECTION COMPRISING AN ELECTRICAL PROTECTION SYSTEM
(73) Airbus Operations S.A.S.
(72) OMS, Patrick
(31) 1758600
(32) 18.09.2017
(33) France

(51) G01R 31/02
H05B 6/06
H05B 6/28
(11) EP2917747
(21) EP13830170.0
(47) 08.01.2020
(87) DE2013000661
15.05.2014
(22) 07.11.2013
(54) METHOD AND DEVICE FOR LOCATING AN EARTH FAULT IN AN INDUCTION FURNACE, AND AN INDUCTION FURNACE
(73) ABP Induction Systems GmbH
(72) TEMME, Ingolf
GREEN, Daniel
(31) 102012021904
102013002795
(32) 09.11.2012
19.02.2013
(33) Germany
Germany

(51) G01R 31/02
H05B 6/06
H05B 6/28
(11) EP2917748
(21) EP13830171.8
(47) 08.01.2020
(87) DE2013000663
15.05.2014
(22) 07.11.2013
(54) METHOD AND DEVICE FOR AUTOMATICALLY DETECTING THE INTACTNESS OF GROUND ELECTRODES IN THE BATH OF AN INDUCTION FURNACE AND INDUCTION FURNACE
(73) ABP Induction Systems GmbH
(72) BARTKOWIAK, Matthias
FORSTHÖVEL, Christoph
GREEN, Daniel
(31) 102012021904
102013002797
(32) 09.11.2012
19.02.2013
(33) Germany
Germany

(51) G01R 31/08
H02H 1/00
H02H 3/04
H02H 3/07
H02H 7/26
H02J 3/00
H02J 13/00
(11) EP3293854
(21) EP16188456.4
(47) 08.01.2020
(22) 13.09.2016
(54) METHOD FOR DETERMINING A CAUSE OF AN ERROR IN AN ELECTRICAL ENERGY SUPPLY SYSTEM AND PROTECTION DEVICE FOR CARRYING OUT SAID METHOD
(73) Siemens Aktiengesellschaft
(72) Erkens, Ingo
Werner, Thomas
Dzienis, Cezary
Kereit, Matthias
Yelgin, Yilmaz

(51) G01R 31/34
(11) EP2963431
(21) EP13876267.9
(47) 08.01.2020
(87) CN2013084672
04.09.2014
(22) 30.09.2013
(54) TEST SYSTEM FOR POWER GRID ADAPTABILITY OF MOBILE WIND TURBINE GENERATOR SYSTEM
(73) State Grid Corporation of China (SGCC)
China Electric Power Research Institute
Cepri Zhangbei Wind Power Research and Test Co. Ltd
(72) WANG, Ruiming
QIN, Shiyao
LI, Shaolin
LI, Qing
WANG, Wei
SUN, Yong
CHEN, Chen
(31) 201310060904
(32) 27.02.2013
(33) China

(51) G01R 31/34
H02P 23/14
(11) EP3496265
(21) EP19152515.3
(47) 08.01.2020
(22) 08.07.2014
(54) AUTOMATIC IDENTIFICATION OF THE TYPE OF MOTOR
(73) Danfoss Power Electronics A/S
(72) TROLLE, Nicolas
DWIVEDI, Sanjeet Kumar

(51) G01R 33/032
G01R 33/26
(11) EP3410142
(21) EP18175089.4
(47) 08.01.2020
(22) 30.05.2018
(54) PULSED-BEAM ATOMIC MAGNETOMETER SYSTEM
(73) Northrop Grumman Systems Corporation
(72) Bulatowicz, Michael D.
Walker, Thad G.
Larsen, Michael S.
(31) 201762513069 P
201815990974
(32) 31.05.2017
29.05.2018
(33) United States of America
United States of America

(51) G01R 33/30
(11) EP3524993
(21) EP19155664.6
(47) 18.12.2019
(22) 06.02.2019
(54) NMR-MAS-SAMPLE HEAD WITH PIVOTABLE STATOR
(73) Bruker BioSpin GmbH
(72) Krahn, Alexander
Osen, David
Purea, Armin
Mayer, Markus
Meister, Roger
(31) 102018202002
(32) 08.02.2018
(33) Germany

(51) G01R 33/31
(11) EP2388609
(21) EP11166361.3
(47) 08.01.2020
(22) 17.05.2011
(54) Tempering device for an NMR sample tube
(73) Bruker Switzerland AG
(72) Grossniklaus, Beat
Raffa, Federico
Mayer, Markus
Wilhelm, Dirk
(31) 102010029080
(32) 18.05.2010
(33) Germany

(51) G01R 33/34
G01R 33/36
G01R 33/56
G01R 33/561
G01R 33/565
(11) EP2681578
(21) EP12708952.2

(47) 08.01.2020
(87) IB2012050929
07.09.2012
(22) 28.02.2012
(54) MAGNETIC RESONANCE USING QUASI-CONTINUOUS RF IRRADIATION
(73) Koninklijke Philips N.V.
(72) KEUPP, Jochen
VAN DEN BRINK, Johan Samuel
HARVEY, Paul Royston
(31) 11156742
(32) 03.03.2011
(33) European Patent Office (EPO)

(51) G01R 33/563
(11) EP2584370
(21) EP12188810.1
(47) 08.01.2020
(22) 17.10.2012
(54) NMR measurement of contrast agent concentrations
(73) Universitätsklinikum Freiburg
(72) Kellner, Elias
Kiselev, Valerij
(31) 102011084867
(32) 20.10.2011
(33) Germany

(51) G01S 1/68
H04W 12/02
H04W 64/00
G01S 5/02
(11) EP3314960
(21) EP15732657.0
(47) 08.01.2020
(87) EP2015064631
05.01.2017
(22) 29.06.2015
(54) USE OF ENCRYPTION TO PROVIDE POSITIONING SUPPORT SERVICES
(73) HERE Global B.V.
(72) KHAN, Muhammad Irshan
SYRJÄRINNE, Jari
IVANOV, Pavel

(51) G01S 5/02
(11) EP3077840
(21) EP14835491.3
(47) 08.01.2020
(87) IB2014002918
11.06.2015
(22) 28.11.2014
(54) METHOD IMPLEMENTED BY A MOBILE DEVICE FOR OBTAINING ITS POSITION AND DEVICE IMPLEMENTING THIS METHOD
(73) Orange
(72) MACUHA, Martin
(31) 13306657
(32) 03.12.2013
(33) European Patent Office (EPO)

(51) G01S 5/02
H04W 4/00
(11) EP3205127
(21) EP15849443.5
(47) 08.01.2020
(87) AU2015050606
14.04.2016
(22) 06.10.2015
(54) A METHOD OF SETTING UP A TRACKING SYSTEM
(73) Commonwealth Scientific and Industrial Research Organisation
(72) HEDLEY, Mark
FLICK, Paul
(31) 2014903993
(32) 07.10.2014
(33) Australia

(51) G01S 7/02
(11) EP3239731
(21) EP17167305.6
(47) 08.01.2020
(22) 20.04.2017
(54) METHOD FOR POST-PROCESSING RADAR SIGNALS WITH LOW TRANSMISSION POWER
(73) Avantix
(72) FRECOURT, Nicolas
(31) 1653648
(32) 25.04.2016
(33) France

(51) G01S 7/03
G01S 7/40
G01S 13/87
G01S 13/95
(11) EP3021131
(21) EP15193757.0
(47) 08.01.2020
(22) 09.11.2015
(54) MULTIPLE RADIO FREQUENCY (RF) SYSTEMS USING A COMMON RADIO FREQUENCY PORT WITHOUT AN RF SWITCH
(73) Honeywell International Inc.
(72) POS, Marc
HOLT, Keone
(31) 201414540903
(32) 13.11.2014
(33) United States of America

(51) G01S 7/481
G01S 7/491
G01S 7/497
G01S 17/58
G01S 17/87
G01S 17/95
(11) EP3458874
(21) EP17722475.5
(47) 08.01.2020
(87) EP2017061422
23.11.2017
(22) 12.05.2017
(54) LASER SENSOR FOR PARTICLE DETECTION
(73) Koninklijke Philips N.V.
(72) SPRUIT, Johannes Hendrikus Maria
VAN DER LEE, Alexander Marc
KOOIJMAN, Gerben
OUWELTJES, Okke
HELLMIG, Joachim Wilhelm
RAS, Arnoldus Johannes Martinus Jozeph
JUTTE, Petrus Theodorus
(31) 16170311
(32) 19.05.2016
(33) European Patent Office (EPO)

(51) G01S 7/481
G01S 17/02
G01V 8/10
(11) EP3441795
(21) EP18183237.9
(47) 08.01.2020
(22) 12.07.2018
(54) SENSOR FOR DETECTING AN OBJECT AND METHOD FOR ADJUSTING A SWITCHING POINT
(73) Sick AG
(72) Waslowski, Kai
(31) 102017118083
(32) 09.08.2017
(33) Germany

(51) G01S 13/75
G01V 15/00
G06K 7/10
G08B 13/24
G06Q 10/08
(11) EP3320364
(21) EP16770382.6
(47) 08.01.2020
(87) US2016048819
16.03.2017
(22) 26.08.2016
(54) OBJECT IDENTIFICATION SYSTEM AND METHOD
(73) CPG Technologies, LLC
(72) LILLY, James D.
CORUM, Kenneth L.
CORUM, James F.
PINZONE, Joseph F.
(31) 201514849164
(32) 09.09.2015
(33) United States of America

(51) G01S 13/86
G01S 13/90
G06T 7/00
(11) EP3359978
(21) EP16754305.7
(47) 08.01.2020
(87) EP2016069874
13.04.2017
(22) 23.08.2016
(54) METHOD FOR PROCESSING AN SAR IMAGE AND ASSOCIATED TARGET-DETECTING METHOD
(73) THALES
(72) GUERRINI, Gilles
JOSEPH, Bernard
SFEZ, Thierry
(31) 1502127
(32) 09.10.2015
(33) France

(51) G01S 13/86
H01Q 5/00
(11) EP2917758
(21) EP13817643.3
(47) 08.01.2020
(87) DE2013000651
15.05.2014
(22) 06.11.2013
(54) MEASURING APPARATUS FOR MEASURING THE TRAJECTORY OF A TARGET OBJECT
(73) MBDA Deutschland GmbH
(72) PROTZ, Rudolf
(31) 102012022040
(32) 09.11.2012
(33) Germany

(51) G01S 13/88
G01V 3/10

G01V 3/12
G01V 3/165
(11) EP2606379
(21) EP11818575.0
(47) 08.01.2020
(87) US2011047316
23.02.2012
(22) 11.08.2011
(54) METAL DETECTOR AND GROUND-PENETRATING RADAR HYBRID HEAD AND MANUFACTURING METHOD THEREOF
(73) Chemring Sensors and Electronic Systems, Inc.
(72) ETEBARI, Ali
WOLFSON, Jason
WHALEY, Brian A.
HIBBARD, Mark
(31) 375624 P
(32) 20.08.2010
(33) United States of America

(51) G01S 19/05
G01S 19/06
G01S 19/25
(11) EP2511732
(21) EP10835435.8
(47) 08.01.2020
(87) CN2010078615
16.06.2011
(22) 10.11.2010
(54) METHOD FOR REALIZING ASSISTED GLOBAL POSITION SYSTEM (A-GPS) BY PERSONAL COMPUTER (PC)
(73) Huizhou TCL Mobile Communication Co., Ltd.
(72) YOU, Mengzhe
ZHOU, Jinggao
LI, Cong
(31) 200910188784
(32) 11.12.2009
(33) China

(51) G01S 19/29
G01S 19/30
G01S 19/32
G01S 19/33
G01S 19/49
(11) EP3109673
(21) EP15305983.7
(47) 08.01.2020
(22) 24.06.2015
(54) GNSS RECEIVER WITH AN IMPROVED CAPABILITY TO RESOLVE SUB-CARRIER TRACKING AMBIGUITIES
(73) Centre National d'Etudes Spatiales
M3 Systems
(72) JARDAK, Nabil
VIGNEAU, Willy
MARMET, François-Xavier
RIES, Lionel

(51) G01T 1/164
(11) EP3058392
(21) EP14799547.6
(47) 08.01.2020
(87) IB2014065292
23.04.2015
(22) 14.10.2014
(54) HISTOGRAM SMOOTHING IN POSITRON EMISSION TOMOGRAPHY (PET) ENERGY HISTOGRAMS
(73) Koninklijke Philips N.V.
(72) GRIESMER, Jerome John
LAURENCE, Thomas Leroy
(31) 201361890478 P
(32) 14.10.2013
(33) United States of America

(51) G01T 1/17
(11) EP3051316
(21) EP16153203.1
(47) 08.01.2020
(22) 28.01.2016
(54) ELECTRONIC CIRCUIT CONFIGURED TO CONTROL AN ACQUISITION MODULE OF A PHOTON DETECTION DEVICE, ACQUISITION MODULE, CONTROL METHOD, AND CORRESPONDING COMPUTER PROGRAM
(73) WEEROC
(72) FLEURY, Julien
AHMAD, Salleh
(31) 1550663
(32) 28.01.2015
(33) France

(51) G01T 1/17
G01T 1/24
(11) EP3341755
(21) EP16745713.4
(47) 08.01.2020
(87) EP2016068131
02.03.2017
(22) 29.07.2016
(54) PHOTON COUNTING DEVICE AND METHOD
(73) Koninklijke Philips N.V.
(72) STEADMAN BOOKER, Roger
ROESSL, Ewald
(31) 15182717
(32) 27.08.2015
(33) European Patent Office (EPO)

(51) G01T 1/178
(11) EP2734863
(21) EP12746382.6
(47) 08.01.2020
(87) GB2012051732
24.01.2013
(22) 19.07.2012
(54) GAS SENSOR
(73) Airthings AS
(72) SUNDAL, Bjørn Magne
BOLLE, Erlend
YOSHIOKA, Koki
(31) 201112477
(32) 20.07.2011
(33) United Kingdom

(51) G01T 1/20
G21K 4/00
(11) EP2851708
(21) EP12876785.2
(47) 08.01.2020
(87) CN2012075570
21.11.2013
(22) 16.05.2012
(54) PIXELIZED SCINTILLATION CRYSTAL FILM, AND PREPARATION METHOD AND APPLICATION THEREOF
(73) Jilin Ray-Image Technology Co., Ltd.
(72) LI, Qiuying
YU, Bo
YU, Hongbo

(51) G01T 1/24
H01L 31/0203
(11) EP3221719
(21) EP15798076.4
(47) 08.01.2020
(87) EP2015077225
26.05.2016
(22) 20.11.2015
(54) CONTAINER FOR A DETECTOR OPERATING IN AN UHV OR HIGH PURITY GAS ATMOSPHERE
(73) Universität zu Köln
Canberra France
(72) REITER, Peter
EBERTH, Jürgen
HESS, Herbert
THIEL, Stefan
PIRARD, Benoit
CLAUSS, Jean
DELORENZI, Louis
LAMPERT, Marie Odile
(31) 102014223831
(32) 21.11.2014
(33) Germany

(51) G01T 1/40
(11) EP3143431
(21) EP15723476.6
(47) 08.01.2020
(87) EP2015060384
19.11.2015
(22) 11.05.2015
(54) GAIN STABILIZATION OF DETECTOR SYSTEMS UTILIZING PHOTOMULTIPLIERS WITH SINGLE PHOTO ELECTRONS
(73) Target Systemelektronik GmbH & Co. KG
(72) STEIN, Jürgen
(31) 14167815
(32) 11.05.2014
(33) European Patent Office (EPO)

(51) G01V 1/00
G01V 1/18
G01V 1/38
(11) EP3427086
(21) EP17715810.2
(47) 08.01.2020
(87) NL2017050136
14.09.2017
(22) 07.03.2017
(54) PROTECTIVE STRUCTURE FOR A SEISMIC SOURCE ARRAY
(73) Fugro N.V.
(72) VAN VELDHUIZEN, Sebastiaan Cornelis Antonius
MCGUNNIGLE, Blair Hamilton
SCHOLTENS, Marco
(31) 2016387
(32) 08.03.2016
(33) Netherlands

(51) G01V 1/20
G01V 3/08

G01V 3/12
(11) EP2594966
(21) EP12193665.2
(47) 08.01.2020
(22) 21.11.2012
(54) Electromagnetic sensor cable and electrical configuration therefor
(73) PGS Geophysical AS
(72) Mattias Südow, Gustav Göran
Lindqvist, Ulf Peter
Juhasz, Andras Robert
Fernihough, Robert
(31) 201113276766
(32) 21.11.2011
(33) United States of America

(51) G01V 1/36
(11) EP2542920
(21) EP11708629.8
(47) 08.01.2020
(87) US2011026705
09.09.2011
(22) 01.03.2011
(54) METHOD FOR LOCAL ATTRIBUTE MATCHING IN SEISMIC PROCESSING
(73) BP Corporation North America Inc.
(72) YU, Zhou
AHMED, Imtiaz
(31) 309291 P
(32) 01.03.2010
(33) United States of America

(51) G01V 3/08
G01V 3/38
(11) EP2600177
(21) EP12195071.1
(47) 08.01.2020
(22) 30.11.2012
(54) Methods and apparatus for rapid determination of target depth and transverse resistance
(73) PGS Geophysical AS
(72) Mattsson, Rune Johan Magnus
(31) 201113307640
(32) 30.11.2011
(33) United States of America

(51) G01V 3/20
(11) EP2062060
(21) EP07730591.0
(47) 08.01.2020
(87) FI2007000122
20.03.2008
(22) 08.05.2007
(54) MEASURING HEAD AND MEASURING METHOD
(73) Posiva Oy
(72) ROUHIAINEN, Pekka
HAUTOJÄRVI, Aimo
AHOKAS, Turo
(31) 20060812
(32) 12.09.2006
(33) Finland

(51) G01V 5/12
(11) EP2904433
(21) EP13795609.0
(47) 08.01.2020
(87) US2013063162
10.04.2014
(22) 03.10.2013
(54) METHOD FOR DETECTING FRACTURES IN A SUBTERRANEAN FORMATION
(73) GE Oil & Gas Logging Services Inc.
(72) SMAARDYK, John Edward
STEINMAN, Donald K.
HERTZOG, Russel
(31) 201213645248
(32) 04.10.2012
(33) United States of America

(51) G01V 7/00
G01V 7/04
G01V 7/06
G01V 7/16
(11) EP3221724
(21) EP15861585.6
(47) 08.01.2020
(87) CA2015051160
26.05.2016
(22) 10.11.2015
(54) GRAVITY TRANSDUCER
(73) Nxt Energy Solutions, Inc.
(72) LISZICASZ, George
GUI, Xiang
BUDIMAN, Roes A.
(31) 201414550779
(32) 21.11.2014
(33) United States of America

(51) G01V 8/10
(11) EP3211457
(21) EP16202617.3
(47) 08.01.2020
(22) 07.12.2016
(54) PHOTOELECTRIC SENSOR AND CONTROL METHOD THEREOF
(73) OMRON Corporation
(72) HONG, Qi
(31) 201610110157
(32) 29.02.2016
(33) China

(51) G01V 11/00
(11) EP3510427
(21) EP16763289.2
(47) 08.01.2020
(87) EP2016071455
15.03.2018
(22) 12.09.2016
(54) METHOD FOR EXPLORING RAW MATERIAL DEPOSITS
(73) Lempke, Roman
Dreiucker, Wolfgang
Magdeburg, Frank
(72) Lempke, Roman
Dreiucker, Wolfgang
Magdeburg, Frank

(51) G02B 3/00
G02B 5/02
G02B 5/18
G02B 27/01
(11) EP3109688
(21) EP14883255.3
(47) 08.01.2020
(87) JP2014054212
27.08.2015
(22) 21.02.2014
(54) OPTICAL ELEMENT AND HEADS-UP DISPLAY
(73) Pioneer Corporation
(72) NOMOTO, Takayuki

(51) G02B 5/00
G02B 21/08
(11) EP2734884
(21) EP12750437.1
(47) 08.01.2020
(87) FR2012051730
31.01.2013
(22) 20.07.2012
(54) CONOSCOPIC ILLUMINATION OPTICAL DEVICE WITH A HOLLOW CONE FOR AN OPTICAL MICROSCOPE AND METHOD OF OPTICAL MICROSCOPY IN CONOSCOPY
(73) Horiba France SAS
(72) FROIGNEUX, Emmanuel
SCHREIBER, Joachim
(31) 1156687
(32) 22.07.2011
(33) France

(51) G02B 5/02
H01L 51/52
(11) EP2720284
(21) EP13186085.0
(47) 08.01.2020
(22) 26.09.2013
(54) Method of fabricating a metal oxide thin film substrate for OLED
(73) Corning Precision Materials Co., Ltd.
(72) Lee, Joo Young
Park, June Hyoung
Yoo, Young Zo
Kim, Seo Hyun
Park, Jeong Woo
Baek, Il Hee
Yoon, Gun Sang
Lee, Hyunhee
Choi, Eun Ho
(31) 20120112729
(32) 11.10.2012
(33) Korea (Republic)

(51) G02B 5/08
G03F 7/20
G21K 1/06
G03F 1/24
(11) EP3405838
(21) EP17700532.9
(47) 08.01.2020
(87) EP2017050835
27.07.2017
(22) 16.01.2017
(54) REFLECTIVE OPTICAL ELEMENT AND OPTICAL SYSTEM FOR EUV LITHOGRAPHY
(73) Carl Zeiss SMT GmbH
(72) NOTTBOHM, Christoph
(31) 102016200814
(32) 21.01.2016
(33) Germany

(51) G02B 6/12
G02B 6/122
G02B 6/125
G02B 6/42
G02F 1/035
G02F 1/225
(11) EP2624029
(21) EP11829247.3
(47) 08.01.2020

(87) JP2011072326
05.04.2012
(22) 29.09.2011
(54) OPTICAL WAVEGUIDE ELEMENT
(73) Sumitomo Osaka Cement Co., Ltd.
(72) MIYAZAKI, Norikazu
KATOU, Kei
(31) 2010222709
(32) 30.09.2010
(33) Japan

(51) G02B 6/125
G02B 6/43
G02F 1/035
H01P 1/213
H04J 14/00
H04J 14/02
H04K 1/02
H04B 10/85
(11) EP3188384
(21) EP15835653.5
(47) 08.01.2020
(87) JP2015004142
03.03.2016
(22) 19.08.2015
(54) NODE APPARATUS AND NODE APPARATUS CONTROL METHOD
(73) NEC Corporation
(72) YAMAGUCHI, Shohei
(31) 2014171530
(32) 26.08.2014
(33) Japan

(51) G02B 6/28
(11) EP3314321
(21) EP16739628.2
(47) 08.01.2020
(87) US2016040214
05.01.2017
(22) 29.06.2016
(54) A MULTI-MODE INTERFERENCE COUPLER
(73) Elenion Technologies, LLC
(72) MA, Yangjin
HOCHBERG, Michael, J.
(31) 201514754306
201614989850
(32) 29.06.2015
07.01.2016
(33) United States of America
United States of America

(51) G02B 6/38
(11) EP2686724
(21) EP12757527.2
(47) 08.01.2020
(87) US2012029241
20.09.2012
(22) 15.03.2012
(54) FIBER OPTIC CONNECTOR AND CABLE ASSEMBLY
(73) ADC Telecommunications, INC.
(72) NHEP, Ponharith
(31) 201161452953 P
201161510711 P
(32) 15.03.2011
22.07.2011
(33) United States of America
United States of America

(51) G02B 6/38
(11) EP2705395
(21) EP12779744.7
(47) 08.01.2020
(87) US2012035934
08.11.2012
(22) 01.05.2012
(54) FIBER OPTIC CONNECTOR WITH POLARITY CHANGE
(73) THE SIEMON COMPANY
(72) VEATCH, Anthony
SIEMON, John A.
ZHENG, Johnny
YAO, Alex
NAGEL, Scott
(31) 201161482265 P
201161567726 P
(32) 04.05.2011
07.12.2011
(33) United States of America
United States of America

(51) G02B 6/38
(11) EP2821829
(21) EP14175185.9
(47) 08.01.2020
(22) 01.07.2014
(54) Fibre optic adapter and method for optically connecting fibre optic devices together
(73) Fibrefab Limited
(72) Raven, Asher
Keizer, Alan
(31) 201311768
(32) 01.07.2013
(33) United Kingdom

(51) G02B 6/38
G02B 6/44
H01B 11/22
H02J 9/00
H04L 12/14
H04B 10/2575
H04B 10/80
(11) EP2976844
(21) EP14808346.2
(47) 08.01.2020
(87) US2014030969
11.12.2014
(22) 18.03.2014
(54) ARCHITECTURE FOR A WIRELESS NETWORK
(73) ADC Telecommunications, Inc.
(72) CHAPPELL, Eric, Ryan
HUEGERICH, Thomas, P.
KACHMAR, Wayne, M.
(31) 201361802989 P
(32) 18.03.2013
(33) United States of America

(51) G02B 6/42
G02B 6/44
(11) EP2909665
(21) EP13783442.0
(47) 08.01.2020
(87) US2013064532
24.04.2014
(22) 11.10.2013
(54) CABLE BEND RELIEF FOR FIBER OPTIC CABLE SUB-ASSEMBLIES AND METHODS OF ASSEMBLING
(73) Corning Optical Communications LLC
(72) KEENUM, John Austin
MIRACLE, Gary Robert
O'CONAIR, Cormac Cillian
REED, Edward Joseph
(31) 201213655074
(32) 18.10.2012
(33) United States of America

(51) G02B 6/44
H01B 7/29
H01B 7/295
H02G 15/04
H02G 15/18
H02G 15/184
(11) EP2873077
(21) EP13734069.1
(47) 08.01.2020
(87) EP2013064084
16.01.2014
(22) 03.07.2013
(54) CONTAINER FOR AN ELECTRIC OR OPTICAL CONDUCTOR
(73) Tyco Electronics Raychem GmbH
(72) SCHAD, Norbert
HELLIGE, Denny
(31) 102012212205
(32) 12.07.2012
(33) Germany

(51) G02B 7/04
G02B 27/64
G03B 5/02
(11) EP2808717
(21) EP14170517.8
(47) 08.01.2020
(22) 30.05.2014
(54) Lens driving device
(73) LG Innotek Co., Ltd.
(72) In, Jae Yeo
(31) 20130061035
20130082879
20130083924
(32) 29.05.2013
15.07.2013
17.07.2013
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)

(51) G02B 7/08
G02B 7/28
G02B 7/34
G02B 7/36
G03B 13/36
G03B 17/14
H04N 5/225
H04N 5/232
(11) EP3217203
(21) EP15856271.0
(47) 08.01.2020
(87) JP2015081328
12.05.2016
(22) 06.11.2015
(54) INTERCHANGEABLE LENS
(73) Nikon Corporation
(72) SHIRAI, Natsuki
(31) 2014227464
(32) 07.11.2014
(33) Japan

(51) G02B 13/06
G02B 26/08
G02B 26/10
G02B 27/10

G02B 27/14
G02B 27/28
G03B 37/02
H04N 5/225
(11) EP2841991
(21) EP13772991.9
(47) 08.01.2020
(87) US2013035293
10.10.2013
(22) 04.04.2013
(54) WIDE-FIELD OF VIEW (FOV) IMAGING DEVICES WITH ACTIVE FOVEATION CAPABILITY
(73) Magic Leap, Inc.
(72) GAO, Chunyu
HUA, Hong
(31) 201261620581 P
201261620574 P
(32) 05.04.2012
05.04.2012
(33) United States of America
United States of America

(51) G02B 13/18
G02B 15/14
G02B 15/173
G02B 15/20
G02B 27/00
G02B 27/64
(11) EP3155468
(21) EP15806796.7
(47) 08.01.2020
(87) JP2015066801
17.12.2015
(22) 04.06.2015
(54) ZOOM LENS AND IMAGE PICKUP APPARATUS HAVING THE SAME
(73) Canon Kabushiki Kaisha
(72) AOKI, Koji
(31) 2014119440
2015089583
(32) 10.06.2014
24.04.2015
(33) Japan
Japan

(51) G02B 15/16
G02B 15/17
G02B 15/173
G02B 27/00
(11) EP2458419
(21) EP11009065.1
(47) 08.01.2020
(22) 15.11.2011
(54) Zoom lens system
(73) Canon Kabushiki Kaisha
(72) Yakita, Shinichiro
(31) 2010260974
(32) 24.11.2010
(33) Japan

(51) G02B 17/06
G03F 7/20
(11) EP2761355
(21) EP12769632.6
(47) 08.01.2020
(87) EP2012069158
04.04.2013
(22) 28.09.2012
(54) IMAGING CATOPTRIC EUV PROJECTION OPTICAL UNIT
(73) Carl Zeiss SMT GmbH
(72) RUOFF, Johannes
SCHICKETANZ, Thomas
(31) 102011083888
201161541127 P
(32) 30.09.2011
30.09.2011
(33) Germany
United States of America

(51) G02B 21/24
(11) EP3374817
(21) EP16834094.1
(47) 08.01.2020
(87) IB2016001703
18.05.2017
(22) 10.11.2016
(54) AUTOFOCUS SYSTEM FOR A COMPUTATIONAL MICROSCOPE
(73) Scopio Labs Ltd.
(72) SMALL, Eran
MADAR, Ittay
BRESTEL, Chen
NAAMAN, Erez
(31) 201562253723 P
201562253726 P
201562253734 P
(32) 11.11.2015
11.11.2015
11.11.2015
(33) United States of America
United States of America
United States of America

(51) G02B 27/00
G02B 27/01
G03B 35/08
G03B 35/18
G03B 37/04
G06F 3/01
G06F 3/0481
H04N 19/124
H04N 19/162
H04N 19/167
H04N 19/17
H04N 19/597
G02B 27/22
H04N 13/161
H04N 13/243
H04N 13/279
H04N 13/282
H04N 13/344
H04N 13/383
(11) EP3206397
(21) EP17164118.6
(47) 08.01.2020
(22) 19.03.2015
(54) STEREO VIEWING
(73) Nokia Technologies Oy
(72) GRÖNHOLM, Kim
BALDWIN, Andrew Robert
(31) 201406201
(32) 07.04.2014
(33) United Kingdom

(51) G02B 27/00
H04N 5/225
H04N 9/07
H04N 9/64
(11) EP2820838
(21) EP13786905.3
(47) 08.01.2020
(87) US2013039760
14.11.2013
(22) 06.05.2013
(54) OPTIMIZATION OF OPTICAL SYSTEMS FOR IMPROVED LIGHT FIELD CAPTURE AND MANIPULATION
(73) Lytro, Inc.
(72) KNIGHT, Timothy James
PITTS, Colvin
AKELEY, Kurt Barton
ROMANENKO, Yuriy Aleksandrovich
CRADDOCK, Carl Warren
(31) 201261644851 P
(32) 09.05.2012
(33) United States of America

(51) G02B 27/01
G06F 3/01
G06F 3/03
G06F 3/0346
G06F 3/038
G06F 3/0481
(11) EP2648073
(21) EP13161235.0
(47) 08.01.2020
(22) 27.03.2013
(54) System and method for virtual engineering
(73) The Boeing Company
(72) Roth, Andrew S.
(31) 201213438692
(32) 03.04.2012
(33) United States of America

(51) G02B 27/28
H04J 14/02
(11) EP3223443
(21) EP14906944.5
(47) 08.01.2020
(87) CN2014092596
02.06.2016
(22) 29.11.2014
(54) PHASE RETARDER AND OPTICAL COMB FILTER THEREOF
(73) Huawei Technologies Co. Ltd.
(72) JIANG, Chendi

(51) G02B 27/48
G03B 21/00
G03B 21/20
(11) EP3306378
(21) EP17192646.2
(47) 08.01.2020
(22) 22.09.2017
(54) PROJECTOR WITH IMAGE PLANE MODAL VIBRATION FOR SPECKLE REDUCTION
(73) Christie Digital Systems USA, Inc.
(72) ADEMA, Daniel Robert
PASTRIK, Darren
HILL, Graham
(31) 201615285047
(32) 04.10.2016
(33) United States of America

(51) G02C 5/00
G02C 5/14
(11) EP2135129
(21) EP07788942.6
(47) 08.01.2020
(87) FR2007051104
23.10.2008

(22) 12.04.2007
(54) MEANS OF RAPID FIXATION FOR SPECTACLE SIDE-PIECE
(73) Killine Optical Ltd
(72) GARDAZ, François

(51) G02C 5/10
(11) EP3394664
(21) EP16822675.1
(47) 08.01.2020
(87) EP2016082222 29.06.2017
(22) 21.12.2016
(54) HINGE FOR EYEGLASSES
(73) Luxottica S.r.l.
(72) FILIPPI, Umberto
(31) UB20159318
(32) 23.12.2015
(33) Italy

(51) G02C 5/14 G02C 5/22
(11) EP2786199
(21) EP12854009.3
(47) 08.01.2020
(87) US2012067395 06.06.2013
(22) 30.11.2012
(54) RELEASABLE EARSTEM MOUNTING MECHANISM FOR EYEWEAR
(73) Oakley, Inc.
(72) CALILUNG, Ryan
TRAN, An
(31) 201161565943 P
201213689636
(32) 01.12.2011
29.11.2012
(33) United States of America
United States of America

(51) G02C 5/18 G02C 11/02
(11) EP2457120
(21) EP09736610.8
(47) 08.01.2020
(87) FR2009051439 27.01.2011
(22) 20.07.2009
(54) ARM FOR SPECTACLES AND ASSOCIATED SPECTACLES
(73) Killine Optical Ltd
(72) JACQUIER, Hervé François Serge
VERMET, Christian François Yves

(51) G02C 7/02
(11) EP3312661
(21) EP16195139.7
(47) 08.01.2020
(22) 21.10.2016
(54) SPECTACLE LENS AND 3D-PRINTING METHOD FOR ITS PRODUCTION
(73) Carl Zeiss Vision International GmbH
(72) Mappes, Timo
Kelch, Gerhard
Glöge, Thomas

(51) G02F 1/1333 G02F 1/1362
(11) EP3176630
(21) EP16201349.4
(47) 08.01.2020
(22) 30.11.2016
(54) CURVED DISPLAY DEVICE
(73) LG Display Co., Ltd.
(72) LEE, Junjae
SHIN, Myeongah
(31) 20150169915
(32) 01.12.2015
(33) Korea (Republic)

(51) G02F 1/1333 G06F 1/16
(11) EP3067775
(21) EP16154757.5
(47) 08.01.2020
(22) 09.02.2016
(54) DISPLAY APPARATUS AND PORTABLE TERMINAL
(73) Samsung Display Co., Ltd.
(72) KIM, Minseop
LEE, Won-il
JUNG, Younhwan
(31) 20150033347
(32) 10.03.2015
(33) Korea (Republic)

(51) G02F 1/1333 G06F 1/16 G09F 9/30 H01L 51/00 H01L 51/52 H05K 5/03 G06F 1/3234
(11) EP3301506
(21) EP17193972.1
(47) 08.01.2020
(22) 29.09.2017
(54) FLEXIBLE DISPLAY DEVICE
(73) LG Display Co., Ltd.
(72) Han, Mijin
Lee, Seunghee
Kim, Daeyun
(31) 20160127133
(32) 30.09.2016
(33) Korea (Republic)

(51) G02F 1/1335 G09F 9/302 H01L 33/48 H01L 33/60 H01L 33/62
(11) EP2783400
(21) EP11876095.8
(47) 08.01.2020
(87) CN2011082840 30.05.2013
(22) 24.11.2011
(54) WATER RESISTANT LED DEVICES AND LED DISPLAY INCLUDING THE SAME
(73) Cree Huizhou Solid State Lighting Company Limited
(72) CHAN, Chi Keung
PANG, Chak Hau
RAUN, Fei Fei
LI, Fei Hong

(51) G02F 1/1343
(11) EP3394667
(21) EP16825866.3
(47) 08.01.2020
(87) FR2016053493 29.06.2017
(22) 16.12.2016
(54) ELECTRO-OPTICAL DEVICE FOR DETECTING LOCAL CHANGE IN AN ELECTRIC FIELD
(73) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
Université Grenoble Alpes
(72) BELLOIR, Tiphaine
LECARME, Olivier
HONEGGER, Thibault
(31) 1563144
(32) 22.12.2015
(33) France

(51) G02F 1/1347
(11) EP3404475
(21) EP18172706.6
(47) 08.01.2020
(22) 16.05.2018
(54) LIQUID CRYSTAL CELLS FOR POLARIZATION ROTATION
(73) Facebook Technologies, LLC
(72) LU, Lu
PENG, Fenglin
LAM, Wai Sze Tiffany
WANG, Mengfei
MCELDOWNEY, Scott Charles
(31) 201762507723 P
201762571147 P
201815969007
PCT/US2018/030722
(32) 17.05.2017
11.10.2017
02.05.2018
02.05.2018
(33) United States of America
United States of America
United States of America
World Intellectual Property Office (WIPO)

(51) G02F 1/35 G02F 1/355 G02F 1/365 H01S 3/042 H01S 3/081 H01S 3/083 H01S 3/094 H01S 3/109 H01S 3/30
(11) EP2839553
(21) EP13778794.1
(47) 08.01.2020
(87) AU2013000406 24.10.2013
(22) 19.04.2013
(54) A DEVICE AND A METHOD FOR CONVERTING A LIGHT AND A LASER SYSTEM
(73) Macquarie University
(72) MILDREN, Richard, Paul
KITZLER, Ondrej
(31) 201261635977 P
(32) 20.04.2012
(33) United States of America

(51) G03B 15/00 G05D 1/00 G05D 1/08 H04N 5/225
(11) EP2885676
(21) EP13752620.8
(47) 08.01.2020

(87) EP2013067173
20.02.2014
(22) 16.08.2013
(54) FLYING CAMERA WITH STRING ASSEMBLY FOR LOCALIZATION AND INTERACTION
(73) Perspective Robotics AG
(72) LUPASHIN, Sergei
HEHN, Markus
D'ANDREA, Raffaello
WAIBEL, Markus
(31) 201261684292 P
(32) 17.08.2012
(33) United States of America

(51) G03B 15/05
H04N 5/225
H04N 5/235
(11) EP3295661
(21) EP16744917.2
(47) 08.01.2020
(87) US2016032455
17.11.2016
(22) 13.05.2016
(54) LIGHT SOURCE MODULE WITH ADJUSTABLE DIFFUSION
(73) Apple Inc.
(72) FOURNIER, Florian R.
ALAIMO, Angelo M.
LEE, Simon S.
SCEPANOVIC, Miodrag
WEBER, Andreas G.
(31) 201514711707
(32) 13.05.2015
(33) United States of America

(51) G03B 17/02
H04N 5/225
(11) EP3133440
(21) EP15780657.1
(47) 08.01.2020
(87) KR2015003671
22.10.2015
(22) 14.04.2015
(54) CAMERA MODULE AND OPTICAL INSTRUMENT
(73) LG Innotek Co., Ltd.
(72) HA, Tae Min
(31) 20140045996
(32) 17.04.2014
(33) Korea (Republic)

(51) G03B 17/17
G03B 35/02
H04N 13/211
H04N 13/282
(11) EP2848995
(21) EP14168898.6
(47) 08.01.2020
(22) 19.05.2014
(54) Multi-view image system with a single camera and a transreflective device
(73) Aptiv Technologies Limited
(72) Low, Yew Kwang
Yeo, Kok Wee
Yeo, Chee Keng
Taylor, Ronald M.
Everly, Ward K.
Shogren, William G.
(31) 201313909425
(32) 04.06.2013
(33) United States of America

(51) G03B 21/00
G03B 21/20
H04N 9/31
(11) EP2757414
(21) EP13181330.5
(47) 08.01.2020
(22) 22.08.2013
(54) Optical light source system for a projector
(73) Delta Electronics, Inc.
(72) Wang, Bor
(31) 102101731
(32) 17.01.2013
(33) Taiwan, Province of China

(51) G03B 21/14
G03B 21/20
H04N 5/74
(11) EP2737693
(21) EP11870359.4
(47) 08.01.2020
(87) US2011045983
07.02.2013
(22) 29.07.2011
(54) SYSTEM AND METHOD OF VISUAL LAYERING
(73) Hewlett-Packard Development Company, L.P.
(72) SIEVERT, Otto, K.

(51) G03F 1/62
G03F 1/64
(11) EP3264175
(21) EP16755093.8
(47) 08.01.2020
(87) JP2016051811
01.09.2016
(22) 22.01.2016
(54) METHOD FOR PRODUCING A PELLICLE
(73) Mitsui Chemicals, Inc.
(72) OKUBO Atsushi
BIYAJIMA Tsuneaki
ONO Yosuke
KOHMURA Kazuo
FUJII Yasuhisa
MATSUMOTO Nobuko
(31) 2015034267
2015214500
(32) 24.02.2015
30.10.2015
(33) Japan
Japan

(51) G03F 7/00
(11) EP3047335
(21) EP14766179.7
(47) 08.01.2020
(87) EP2014069667
19.03.2015
(22) 16.09.2014
(54) SCANNING PROBE NANOLITHOGRAPHY SYSTEM AND METHOD
(73) SwissLitho AG
(72) HOLZNER, Felix
PAUL, Philip
ZIENTEK, Michal
KNOLL, Armin
RAWLINGS, Colin
(31) 13184651
(32) 16.09.2013
(33) European Patent Office (EPO)

(51) G03F 7/027
G03F 7/031
(11) EP1810081
(21) EP05801659.3
(47) 08.01.2020
(87) EP2005055743
11.05.2006
(22) 04.11.2005
(54) PHOTOPOLYMERIZABLE COMPOSITION
(73) AGFA NV
(72) WILLIAMSON, Alexander, Agfa-Gevaert
(31) 04105556
630102 P
(32) 05.11.2004
22.11.2004
(33) European Patent Office (EPO)
United States of America

(51) G03F 7/027
G03F 7/031
(11) EP1810082
(21) EP05813386.9
(47) 08.01.2020
(87) EP2005055745
11.05.2006
(22) 04.11.2005
(54) PHOTOPOLYMERIZABLE COMPOSITION
(73) AGFA NV
(72) WILLIAMSON, Alexander
(31) 04105557
630101 P
(32) 05.11.2004
22.11.2004
(33) European Patent Office (EPO)
United States of America

(51) G03F 7/20
(11) EP2443515
(21) EP10729725.1
(47) 08.01.2020
(87) JP2010060921
23.12.2010
(22) 21.06.2010
(54) EXPOSURE APPARATUS AND DEVICE MANUFACTURING METHOD
(73) Nikon Corporation
(72) ICHINOSE, Go
(31) 218455 P
818394
(32) 19.06.2009
18.06.2010
(33) United States of America
United States of America

(51) G03G 9/08
G03G 15/08
(11) EP2798405
(21) EP12863459.9
(47) 08.01.2020
(87) US2012065144
04.07.2013
(22) 15.11.2012
(54) TONER CARTRIDGE WITH PRESSURE EQUALIZATION SYSTEM
(73) Lexmark International, Inc.
(72) LEEMHUIS, James, Richard
HACKNEY, Gary, Neal
(31) 201113340814

(32) 30.12.2011
(33) United States of America

(51) G03G 9/09
G03G 15/00
(11) EP3264186
(21) EP17176610.8
(47) 08.01.2020
(22) 19.06.2017
(54) IMAGE FORMING APPARATUS
(73) Oki Data Corporation
(72) TAKINO, Yuji
(31) 2016127428
(32) 28.06.2016
(33) Japan

(51) G03G 15/00
(11) EP2328036
(21) EP10251370.2
(47) 08.01.2020
(22) 02.08.2010
(54) Printing device that executes calibration at frequency suited to user demand
(73) Brother Kogyo Kabushiki Kaisha
(72) Yamada, Akihiro
(31) 2009271592
(32) 30.11.2009
(33) Japan

(51) G03G 15/00
(11) EP2525260
(21) EP12168088.8
(47) 08.01.2020
(22) 15.05.2012
(54) Image forming apparatus
(73) Oki Data Corporation
(72) Ishikuro, Takemasa
(31) 2011109972
(32) 17.05.2011
(33) Japan

(51) G03G 15/00
G03G 15/01
H04N 1/50
(11) EP2523449
(21) EP11190928.9
(47) 08.01.2020
(22) 28.11.2011
(54) Image forming apparatus and method for color registration adjustment
(73) Hewlett-Packard Development Company, L.P.
(72) KIM, Geon-hoon
LEE, Beom-ro
(31) 20110045277
(32) 13.05.2011
(33) Korea (Republic)

(51) G03G 15/00
G03G 15/08
G03G 21/16
G03G 21/18
(11) EP3367179
(21) EP16908644.4
(47) 08.01.2020
(87) CN2016101003
18.01.2018
(22) 30.09.2016
(54) DRIVING ASSEMBLY AND DEVELOPING CARTRIDGE
(73) Zhuhai Un-Tern Imaging Products Co., Ltd
(72) ZHOU, Honghui
(31) 201610562291
(32) 13.07.2016
(33) China

(51) G03G 15/00
G03G 21/16
G03G 21/18
(11) EP2977825
(21) EP15176484.2
(47) 08.01.2020
(22) 13.07.2015
(54) IMAGE FORMING APPARATUS
(73) Kyocera Document Solutions Inc.
(72) MIKI, Masafumi
YAMAGUCHI, Akihiro
(31) 2014151410
(32) 25.07.2014
(33) Japan

(51) G03G 15/00
G06F 3/12
H04L 12/58
H04L 29/06
H04L 29/08
H04L 29/14
(11) EP2942911
(21) EP15001220.1
(47) 08.01.2020
(22) 24.04.2015
(54) INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING SYSTEM, AND METHOD
(73) Canon Kabushiki Kaisha
(72) Takenouchi, Takuya
(31) 2014095509
(32) 02.05.2014
(33) Japan

(51) G03G 15/00
H04N 1/00
(11) EP2595369
(21) EP12189477.8
(47) 08.01.2020
(22) 22.10.2012
(54) ATTACHMENT STRUCTURE FOR OPERATION UNIT AND IMAGE FORMING APPARATUS
(73) Kyocera Document Solutions Inc.
(72) Tsuchiya, Hiroaki
(31) 2011236093
(32) 27.10.2011
(33) Japan

(51) G03G 15/08
(11) EP2600206
(21) EP12191365.1
(47) 08.01.2020
(22) 06.11.2012
(54) Developer accommodating unit, process cartridge and electrophotographic image forming apparatus
(73) Canon Kabushiki Kaisha
(72) Yamaguchi, Koji
Matsuzaki,, Hiroomi
Matsushita, Masaaki
Matsumura, Junichi
(31) 2011260187
(32) 29.11.2011
(33) Japan

(51) G03G 15/08
(11) EP2610680
(21) EP12192105.0
(47) 08.01.2020
(22) 09.11.2012
(54) Movable Toner Port Cover Member for a Replaceable Unit of an Imaging Device
(73) Lexmark International, Inc.
(72) Buchanan, John Andrew
Carter, James Anthany
Cavill, Gregory Alan
Gibson, Nicholas Fenley
Leemhuis, Michael Craig
Williams, Tyler F.
Blanck, Thomas Wilbur
Foster, Mark Duane
(31) 201161581842 P
201213420956
(32) 30.12.2011
15.03.2012
(33) United States of America
United States of America

(51) G03G 15/08
(11) EP2680085
(21) EP13172974.1
(47) 08.01.2020
(22) 20.06.2013
(54) Developing device and image forming apparatus provided therewith
(73) Kyocera Document Solutions Inc.
(72) Ohashi, Hiroaki
Nishimura, Ryoji
Kashimoto, Masahiro
Fujimura, Takeshi
(31) 2012142700
(32) 26.06.2012
(33) Japan

(51) G03G 15/08
(11) EP2776890
(21) EP12795092.1
(47) 08.01.2020
(87) JP2012079577
16.05.2013
(22) 08.11.2012
(54) CARTRIDGE AND UNIT, SEAL MEMBER AND BLADE MEMBER
(73) Canon Kabushiki Kaisha
(72) HOSHI, Nobuharu
NONAKA, Fumito
(31) 2011245736
2011284192
2011284193
(32) 09.11.2011
26.12.2011
26.12.2011
(33) Japan
Japan
Japan

(51) G03G 15/08
G03G 21/00
G03G 21/18
(11) EP2776893
(21) EP12795625.8
(47) 08.01.2020
(87) JP2012079575
16.05.2013
(22) 08.11.2012
(54) DEVELOPER CARTRIDGE UNIT AND IMAGE FORMING APPARATUS
(73) Canon Kabushiki Kaisha

(72) YAMASAKI, Toshiteru
SUZUKI, Akira
TAIRA, Akiko
(31) 2011245731
2011275772
2011275773
(32) 09.11.2011
16.12.2011
16.12.2011
(33) Japan
Japan
Japan

(51) G03G 21/16
G03G 21/18
(11) EP2607966
(21) EP11818273.2
(47) 08.01.2020
(87) JP2011069237
23.02.2012
(22) 19.08.2011
(54) CARTRIDGE AND IMAGE-FORMING APPARATUS
(73) Canon Kabushiki Kaisha
(72) TAKARADA, Hiroshi
HIRUKAWA, Kuniaki
SUZUKI, Akira
HOSHI, Nobuharu
FUKUI, Yuichi
(31) 2011160155
2010185147
(32) 21.07.2011
20.08.2010
(33) Japan
Japan

(51) G03G 21/18
(11) EP3370121
(21) EP18159429.2
(47) 08.01.2020
(22) 01.03.2018
(54) CARTRIDGE AND IMAGE FORMING APPARATUS
(73) Canon Kabushiki Kaisha
(72) KOISHI, Isao
TOBA, Shinjiro
SATO, Masaaki
TAKARADA, Hiroshi
MOUE, Keita
KARAKAMA, Toshiyuki
(31) 2017040723
(32) 03.03.2017
(33) Japan

(51) G04B 15/06
G04B 15/10
G04B 17/26
(11) EP2506092
(21) EP11002656.4
(47) 08.01.2020
(22) 31.03.2011
(54) Escapement mechanism, in particular for a clock movement
(73) Cartier International AG
(72) Bas, Kéwin
Chatel, Cyrille

(51) G04B 15/14
G04B 17/06
G04B 19/04
G04D 3/00
B81C 99/00
(11) EP3083487
(21) EP14827755.1
(47) 08.01.2020
(87) EP2014078857
25.06.2015
(22) 19.12.2014
(54) METHOD FOR MANUFACTURING A TIMEPIECE COMPONENT
(73) ROLEX SA
(72) BOSSART, Richard
MICHELET, Edward
(31) 13198950
(32) 20.12.2013
(33) European Patent Office (EPO)

(51) G04B 17/04
G04B 17/28
(11) EP3299905
(21) EP16190886.8
(47) 08.01.2020
(22) 27.09.2016
(54) MECHANICAL OSCILLATOR FOR A HOROLOGICAL MOVEMENT
(73) CSEM Centre Suisse d'Electronique et de Microtechnique SA - Recherche et Développement
(72) Cosandier, Florent
Dominé, Emmanuel
Musy, Grégory
Barrot, François

(51) G04B 19/04
G04F 3/06
G09B 19/12
(11) EP3483662
(21) EP18200144.6
(47) 18.12.2019
(22) 12.10.2018
(54) ADJUSTABLE TIMER
(73) Time Timer LLC
(72) ROGERS, David M.
WRIGHT, Tricia L.
(31) 201715808955
(32) 10.11.2017
(33) United States of America

(51) G04F 1/00
G06F 11/07
(11) EP3234702
(21) EP14828153.8
(47) 08.01.2020
(87) EP2014078692
23.06.2016
(22) 19.12.2014
(54) FRAGRANCE DISPENSER AND METHOD FOR OPERATING SAID FRAGRANCE DISPENSER
(73) Zobele Holding SpA
(72) FIORAVANTI, Emilio
GIOVANELLI, Alessio

(51) G04F 8/08
G07C 1/24
(11) EP2646988
(21) EP11782581.0
(47) 08.01.2020
(87) EP2011069656
07.06.2012
(22) 08.11.2011
(54) METHOD AND SYSTEM FOR DETECTING AN EVENT ON A SPORTS TRACK
(73) MyLaps B.V.
(72) VAN RENS, Bas Jan Emile
(31) 2005772
417471 P
(32) 29.11.2010
29.11.2010
(33) Netherlands
United States of America

(51) G04G 13/02
G06F 3/0482
G06F 3/0484
G06F 3/0488
(11) EP3039508
(21) EP13892429.5
(47) 08.01.2020
(87) KR2013010467
05.03.2015
(22) 18.11.2013
(54) DISPLAY DEVICE AND METHOD OF SETTING GROUP ALARM INFORMATION
(73) LG Electronics Inc.
(72) KIM, Jihwan
PARK, Sihwa
(31) 20130101845
201314080525
(32) 27.08.2013
14.11.2013
(33) Korea (Republic)
United States of America

(51) G05B 11/16
G05D 23/19
(11) EP3425474
(21) EP18180346.1
(47) 08.01.2020
(22) 28.06.2018
(54) METHOD FOR CONTROLLING A THERMOELECTRIC ON-OFF DRIVE OF A VALVE OF A HEATING AND/OR COOLING SYSTEM
(73) REHAU AG + Co
(72) Pommer, Willi
(31) 102017114961
(32) 05.07.2017
(33) Germany

(51) G05B 13/04
G05B 17/02
G06Q 50/06
(11) EP3112960
(21) EP15306546.1
(47) 08.01.2020
(22) 30.09.2015
(54) COMBINED METHOD FOR DETECTING ANOMALIES IN A WATER DISTRIBUTION SYSTEM
(73) SUEZ Groupe
(72) CUSSONNEAU, Guillaume
JARRIGE, Pierre-Antoine
DEMBELE, Abel
CAMPAN, Francis
(31) 15306029
(32) 29.06.2015
(33) European Patent Office (EPO)

(51) G05B 15/00
F24F 11/00
(11) EP3351865
(21) EP18152607.0
(47) 08.01.2020

(22) 19.01.2018
(54) HVAC, REFRIGERATION, AND AUTOMATION EQUIPMENT SCHEDULING
(73) Lennox Industries Inc.
(72) FERRARI, Harold
VEMULA, Veera Reddy
ABRISHAMKAR, Farhad
(31) 201762448597 P
201815874556
(32) 20.01.2017
18.01.2018
(33) United States of America
United States of America

(51) G05B 17/02
G05B 19/418
G05B 23/02
(11) EP3001266
(21) EP15183114.6
(47) 08.01.2020
(22) 31.08.2015
(54) METHOD AND SYSTEM FOR PROVIDING DATA ANALYTICS RESULTS
(73) Siemens Aktiengesellschaft
VDEh-Betriebsforschungsinstitut GmbH
(72) Ebel, Dr. Alexander
Zillner, Dr. Sonja
Schneider, Martin
(31) 14186368
(32) 25.09.2014
(33) European Patent Office (EPO)

(51) G05B 19/00
G06K 19/077
H04L 29/08
(11) EP3005248
(21) EP14736532.4
(47) 08.01.2020
(87) US2014041265
11.12.2014
(22) 06.06.2014
(54) PROCESS CONTROL SYSTEM FIELD DEVICES USING RFID DEVICES
(73) Fisher Controls International LLC
(72) LOVELL, Michael, Ken
JUNK, Kenneth, W.
(31) 201361832524 P
(32) 07.06.2013
(33) United States of America

(51) G05B 19/042
(11) EP3289417
(21) EP16724708.9
(47) 08.01.2020
(87) IB2016052386
03.11.2016
(22) 27.04.2016
(54) MONITORING SYSTEM AND METHOD FOR A FELT AND ITS ENVIRONMENT
(73) Valmet, LDA.
(72) PATROCÍNIO NATUNES LOPES, Raul Fernando
MARIE FRANÇOIS BEGASSE DE DHAEM, Denis Albert
SILVA AMARAL, Luciano
VIEIRA RIBEIRO, Miguel Bruno
NETO GUIMARÃES PEREIRA, João Luís
OLIVEIRA DA SILVA, José Fernando
(31) 2015108407
(32) 28.04.2015
(33) Portugal

(51) G05B 19/042
(11) EP3173884
(21) EP16197755.8
(47) 08.01.2020
(22) 08.11.2016
(54) METHOD FOR PROGRAMMING A SAFETY DEVICE
(73) Pilz GmbH & Co. KG
(72) Wöhrle, Stefan
von Haugwitz, Frank
Bauer, Ralf
(31) 102015120314
(32) 24.11.2015
(33) Germany

(51) G05B 19/042
G05B 23/02
(11) EP2356526
(21) EP09756266.4
(47) 08.01.2020
(87) EP2009008262
03.06.2010
(22) 20.11.2009
(54) SAFETY CONTROL AND METHOD FOR CONTROLLING AN AUTOMATED SYSTEM
(73) Pilz GmbH & Co. KG
(72) EHRHART, Helmut
REUSCH, Matthias
(31) 102008060011
(32) 25.11.2008
(33) Germany

(51) G05B 19/042
G06F 11/14
G06F 11/16
G06F 11/18
G06F 11/20
(11) EP3211533
(21) EP17157802.4
(47) 08.01.2020
(22) 24.02.2017
(54) FAULT-TOLERANT SYSTEM ARCHITECTURE FOR CONTROLLING A PHYSICAL INSTALLATION, PARTICULARLY OF A MACHINE OR OF A MOTOR VEHICLE
(73) TTTech Auto AG
(72) Kopetz, Hermann
(31) 501422016
(32) 26.02.2016
(33) Austria

(51) G05B 19/042
H04L 9/32
(11) EP2705410
(21) EP12753428.7
(47) 08.01.2020
(87) EP2012065489
07.03.2013
(22) 08.08.2012
(54) METHOD AND SYSTEM FOR PROVIDING DEVICE-SPECIFIC OPERATOR DATA FOR AN AUTOMATION DEVICE IN AN AUTOMATION INSTALLATION
(73) Siemens Aktiengesellschaft
(72) FISCHER, Kai
FRIES, Steffen
GESSNER, Jürgen
HOUYOU, Amine, Mohamed
HUTH, Hans-Peter
SCHATTLEITNER, Angela
(31) 102011081804
(32) 30.08.2011
(33) Germany

(51) G05B 19/406
G05B 23/02
G06N 20/00
(11) EP3497528
(21) EP17762226.3
(47) 08.01.2020
(87) JP2017028808
15.02.2018
(22) 08.08.2017
(54) DIAGNOSIS DEVICE, LEARNING DEVICE, AND DIAGNOSIS SYSTEM
(73) Ricoh Company, Ltd.
(72) KURODA, Masaru
IWATA, Keishi
(31) 2016156940
(32) 09.08.2016
(33) Japan

(51) G05B 19/4065
(11) EP2871547
(21) EP14192134.6
(47) 08.01.2020
(22) 06.11.2014
(54) Real-time numerical control tool path adaptation using force feedback
(73) The Boeing Company
(72) Bolin, Jared L.
Easley, Samuel J.
Xu, Liangji
(31) 201361901014 P
201414176492
(32) 07.11.2013
10.02.2014
(33) United States of America
United States of America

(51) G05B 19/4099
(11) EP3014369
(21) EP14736922.7
(47) 08.01.2020
(87) GB2014051932
31.12.2014
(22) 25.06.2014
(54) METHOD AND APPARATUS FOR GENERATING GEOMETRIC DATA FOR USE IN ADDITIVE MANUFACTURING
(73) Renishaw PLC
(72) REVANUR, Ramkumar
BADOLE, Rupesh
DINDE, Sanjay
LANKESHWAR, Mayur
(31) 2798CH2013
13180079
1201DE2014
(32) 26.06.2013
12.08.2013
02.05.2014
(33) India
European Patent Office (EPO)
India

(51) G05B 19/414
(11) EP2434360
(21) EP10178336.3

(47) 08.01.2020
(22) 22.09.2010
(54) Motion control system
(73) Siemens Aktiengesellschaft
(72) Möhring, Rainer
Schlinkert, Jochen
Vollmann, Jörg
Wagner, Peter

(51) G05B 19/414
G05B 19/421
G05B 19/423
G05B 19/427
(11) EP3380902
(21) EP16805966.5
(47) 08.01.2020
(87) DK2016050392
01.06.2017
(22) 23.11.2016
(54) ROBOT TRAJECTORY LEARNING BY DEMONSTRATION WITH PROBE SENSOR
(73) Science Ventures Denmark A/S
(72) CORTSEN, Jens
(31) 15196074
(32) 24.11.2015
(33) European Patent Office (EPO)

(51) G05B 23/02
(11) EP1728132
(21) EP05714115.2
(47) 08.01.2020
(87) US2005006319
06.10.2005
(22) 25.02.2005
(54) DATA PRESENTATION SYSTEM FOR ABNORMAL SITUATION PREVENTION IN A PROCESS PLANT
(73) Fisher-Rosemount Systems, Inc.
(72) ERYUREK, Evren
KAVAKLIOGLU, Kadir
MILLER, John, P.
(31) 549796 P
972155
(32) 03.03.2004
22.10.2004
(33) United States of America
United States of America

(51) G05B 23/02
(11) EP2820490
(21) EP13708121.2
(47) 08.01.2020
(87) EP2013054098
06.09.2013
(22) 28.02.2013
(54) SYSTEM FOR CONDITION MONITORING OF A GROUP OF PLANTS
(73) Nuovo Pignone S.r.l.
(72) ALI, Mohamed
KHALIDI, Abdurrahman
CINELLI, Filippo
MOCHI, Gianni
CIVELI, Valentina
(31) CO20120008
(32) 01.03.2012
(33) Italy

(51) G05D 1/02
(11) EP3144765
(21) EP16176784.3
(47) 08.01.2020
(22) 29.06.2016
(54) APPARATUS FOR LOCALIZING CLEANING ROBOT, CLEANING ROBOT, AND CONTROLLING METHOD OF CLEANING ROBOT
(73) Samsung Electronics Co., Ltd.
(72) Park, Soon Yong
Kwak, No San
Roh, Kyung Shik
Yoon, Suk June
Lee, So Hee
Choi, Min Yong
(31) 20150132274
20150148434
(32) 18.09.2015
26.10.2015
(33) Korea (Republic)
Korea (Republic)

(51) G05F 1/46
G06F 3/02
G06F 3/023
G06F 13/10
H01H 13/70
H01H 13/83
(11) EP3460635
(21) EP18190905.2
(47) 08.01.2020
(22) 27.08.2018
(54) CONTROL MODULE FOR HUMAN-MACHINE DIALOGUE SYSTEM
(73) Schneider Electric Industries SAS
(72) DALLET, Hervé
CHAUVET, Francis
(31) 1771013
(32) 25.09.2017
(33) France

(51) G05F 1/70
H02P 25/18
(11) EP3243269
(21) EP15877303.6
(47) 08.01.2020
(87) US2015062360
14.07.2016
(22) 24.11.2015
(54) DYNAMIC POWER CONTROL FOR INDUCTION MOTORS
(73) V Square/R LLC
(72) VALENTI, Leo, F.
DALY, James, C.
VALENTI, Thomas, J.
(31) 201562101753 P
201514931368
(32) 09.01.2015
03.11.2015
(33) United States of America
United States of America

(51) G05F 3/02
H01L 21/761
H01L 27/092
(11) EP2581938
(21) EP12757637.9
(47) 08.01.2020
(87) JP2012056373
20.09.2012
(22) 13.03.2012
(54) HIGH-VOLTAGE INTEGRATED CIRCUIT DEVICE
(73) Fuji Electric Co. Ltd.
(72) YAMAJI, Masaharu
(31) 2011056577
(32) 15.03.2011
(33) Japan

(51) G05G 9/047
H01H 25/04
(11) EP3223295
(21) EP15860233.4
(47) 08.01.2020
(87) CN2015093711
26.05.2016
(22) 03.11.2015
(54) SWITCH DEVICE
(73) Schneider Electric (Australia) Pty Limited
(72) MENG, Huanbin
ZHANG, Dahai
(31) 201410670628
(32) 20.11.2014
(33) China

(51) G06F 1/14
H04J 3/06
H04W 24/02
H04W 52/00
H04W 52/02
H04W 56/00
(11) EP2915389
(21) EP13792994.9
(47) 08.01.2020
(87) IB2013059917
08.05.2014
(22) 05.11.2013
(54) SYSTEMS AND METHODS FOR MAINTAINING TIME STAMPING ACCURACY TO MEET A NON-LINEAR TIME DRIFT CONSTRAINT
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SIOMINA, Iana
KAZMI, Muhammad
(31) 201261722628 P
201314070758
(32) 05.11.2012
04.11.2013
(33) United States of America
United States of America

(51) G06F 1/16
G06F 1/18
H05K 7/14
H05K 7/20
G06F 21/86
(11) EP3454168
(21) EP18196787.8
(47) 08.01.2020
(22) 21.11.2014
(54) SYSTEMS AND METHODS FOR PACKAGING HIGH DENSITY SSDS
(73) Western Digital Technologies, Inc.
(72) HERMAN, Pinchas
RADKE, William
DANILAK, Radoslav
(31) 201314086032
(32) 21.11.2013
(33) United States of America

(51) G06F 1/16
G06F 3/01
H04B 5/00
H04B 5/02
H04L 29/06
H04M 1/725

H04W 12/06
H04W 40/00
G06Q 20/32
G06Q 20/40
G06F 3/0346
H04W 4/02
H04W 4/80
(11) EP2979158
(21) EP14714246.7
(47) 08.01.2020
(87) EP2014056259
02.10.2014
(22) 28.03.2014
(54) ENHANCING THE SECURITY OF NEAR-FIELD COMMUNICATION
(73) HERE Global B.V.
(72) PRCHAL, Ken A.
(31) 201313853470
(32) 29.03.2013
(33) United States of America

(51) G06F 1/16
G06F 3/0354
G06F 3/0362
G06F 3/0482
(11) EP2981878
(21) EP13881424.9
(47) 08.01.2020
(87) KR2013007133
09.10.2014
(22) 07.08.2013
(54) PORTABLE DEVICE AND CONTROLLING METHOD THEREFOR
(73) LG Electronics Inc.
(72) LEE, Kunwoo
KIM, Jin
HONG, Jihoon
(31) 201361808237 P
20130078359
201313955936
(32) 04.04.2013
04.07.2013
31.07.2013
(33) United States of America
Korea (Republic)
United States of America

(51) G06F 1/16
G06F 3/044
H04B 5/00
H04B 13/00
H04L 29/06
H04M 1/67
H04M 1/725
H04W 12/00
H04W 12/06
G06Q 20/20
G06Q 20/32
G06Q 20/40
H04W 4/00
(11) EP3075085
(21) EP14866421.2
(47) 08.01.2020
(87) US2014067828
04.06.2015
(22) 28.11.2014
(54) WEARABLE COMMUNICATION DEVICES FOR SECURED TRANSACTION AND COMMUNICATION
(73) Shenzhen Goodix Technology Co., Ltd.
(72) HE, Yi
PI, Bo
(31) 201361910016 P
201361910020 P
(32) 27.11.2013
27.11.2013
(33) United States of America
United States of America

(51) G06F 1/16
G06F 17/21
G06K 9/00
G06K 9/46
G06K 9/60
G06K 9/62
G06K 9/78
G06F 3/0481
G06F 3/0482
G06F 3/0483
G06F 3/0484
G06F 3/0486
G06F 3/0488
G06F 9/44
(11) EP3058514
(21) EP14854319.2
(47) 08.01.2020
(87) US2014060612
23.04.2015
(22) 15.10.2014
(54) ADDING/DELETING DIGITAL NOTES FROM A GROUP
(73) 3M Innovative Properties Company
(72) SOMASUNDARAM, Guruprasad
MORAN, Cristin E.
MAHLI, David M.
WOLK, Diane R.
MOORE, Richard J.
AXELSSON, Pontus
ROTSTEIN, Michael
PERSSON, Roland
(31) 201361891442 P
201461934392 P
(32) 16.10.2013
31.01.2014
(33) United States of America
United States of America

(51) G06F 1/16
H04M 1/02
(11) EP3386173
(21) EP17165361.1
(47) 08.01.2020
(22) 06.04.2017
(54) ELECTRONIC DEVICE WITH SLIDABLE CONNECTOR PORT
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
Özyegin Üniversitesi
(72) MEMISOGLU, Gorkem
GULBAHAR, Burhan

(51) G06F 1/16
H04M 1/02
H04N 5/225
H04N 5/232
H04N 7/14
(11) EP3340006
(21) EP17200985.4
(47) 08.01.2020
(22) 10.11.2017
(54) HOUSING ASSEMBLY, DUAL-CAMERA MODULE AND MOBILE TERMINAL
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) WEI, Yi
LI, Yong
(31) 201621406333 U
(32) 20.12.2016
(33) China

(51) G06F 1/26
H04L 12/10
H04L 12/12
H04L 12/28
H04L 12/40
G06F 1/3206
G06F 1/3287
G06F 1/3296
(11) EP3494665
(21) EP17751283.7
(47) 08.01.2020
(87) EP2017068620
08.02.2018
(22) 24.07.2017
(54) POWER MANAGEMENT METHOD AND DEVICE FOR DC POWERED DEVICE ARRANGEMENT
(73) Signify Holding B.V.
(72) WENDT, Matthias
ZONDAG, Eduard, Gerhard
RADERMACHER, Harald, Josef, Günther
(31) 16182757
(32) 04.08.2016
(33) European Patent Office (EPO)

(51) G06F 3/01
G06F 3/03
(11) EP2772830
(21) EP14155637.3
(47) 08.01.2020
(22) 18.02.2014
(54) Display apparatus
(73) Samsung Electronics Co., Ltd.
(72) Kim, Go-hyun
Kim, Hak-young
(31) 20130021459
(32) 27.02.2013
(33) Korea (Republic)

(51) G06F 3/01
G06F 3/0346
G06F 3/0488
G06F 1/32
G06F 1/3231
G06F 1/3234
G06F 1/3293
(11) EP2915033
(21) EP13776894.1
(47) 08.01.2020
(87) US2013062583
08.05.2014
(22) 30.09.2013
(54) ELECTRONIC DEVICE WITH ENHANCED METHOD OF DISPLAYING NOTIFICATIONS
(73) Google Technology Holdings LLC
(72) GUNN, Michael E.
CONNELL, Nathan M.
FLOWERS, Christian L.
WELLS, Andrew K.
LING, Long

(31) 201261720322 P
201261736536 P
201361757690 P
201313830452
(32) 30.10.2012
12.12.2012
28.01.2013
14.03.2013
(33) United States of America
United States of America
United States of America
United States of America

(51) G06F 3/01
G06F 3/16
H04M 1/27
H04M 1/67
H04M 1/725
G06F 9/445
(11) EP3410257
(21) EP18165880.8
(47) 08.01.2020
(22) 11.06.2014
(54) METHOD FOR QUICKLY STARTING APPLICATION SERVICE, AND TERMINAL
(73) Huawei Technologies Co., Ltd.
(72) ZHOU, Junyang

(51) G06F 3/01
G06F 3/16
H04M 1/725
G06F 3/048
(11) EP3098690
(21) EP15169525.1
(47) 08.01.2020
(22) 28.05.2015
(54) RENDERING OF A NOTIFICATION ON A HEAD MOUNTED DISPLAY
(73) Nokia Technologies Oy
(72) LEPPÄNEN, Jussi
ERONEN, Antti
LEHTINIEMI, Arto
LAAKSONEN, Lasse

(51) G06F 3/01
G06T 3/20
G06F 3/0485
(11) EP3036601
(21) EP13765759.9
(47) 08.01.2020
(87) IB2013001811
26.02.2015
(22) 21.08.2013
(54) VIDEO DISPLAY WITH PAN FUNCTION CONTROLLED BY VIEWING DIRECTION
(73) InterDigital CE Patent Holdings
(72) KELLER, Anton Werner
BERNOLD, Roland René

(51) G06F 3/01
H04L 29/06
(11) EP2891039
(21) EP13833317.4
(47) 08.01.2020
(87) US2013057707
06.03.2014
(22) 30.08.2013
(54) DYNAMIC ADJUSTMENT OF VIDEO QUALITY
(73) Google LLC
(72) STEINER, Thomas
(31) 201213601149
(32) 31.08.2012
(33) United States of America

(51) G06F 3/01
H04M 1/02
H04M 1/03
H04M 1/60
H04M 1/62
H04R 1/02
H04R 3/04
H04R 7/04
H04R 17/00
G06F 3/0488
(11) EP2630554
(21) EP10858579.5
(47) 08.01.2020
(87) IB2010054726
26.04.2012
(22) 19.10.2010
(54) A DISPLAY APPARATUS
(73) Nokia Technologies Oy
(72) TOSSAVAINEN, Antero
KAJANUS, Vesa
SORONEN, Petri

(51) G06F 3/01
H04M 1/725
(11) EP2749013
(21) EP11764612.5
(47) 08.01.2020
(87) IB2011001935
28.02.2013
(22) 24.08.2011
(54) SHORT-RANGE RADIO FREQUENCY WIRELESS COMMUNICATION DATA TRANSFER METHODS AND RELATED DEVICES
(73) Sony Corporation
(72) WIKANDER, Anders

(51) G06F 3/01
H04M 1/725
G04G 21/00
G06F 3/048
G06F 3/0482
G06F 3/0484
(11) EP3289440
(21) EP15890852.5
(47) 08.01.2020
(87) KR2015012312
03.11.2016
(22) 17.11.2015
(54) WATCH TYPE TERMINAL AND METHOD OF CONTROLLING THE SAME
(73) LG Electronics Inc.
(72) LEE, Yongdeok
YOO, Mijun
BAE, Kwonhan
KIM, Minjoo
MIN, Jihye
CHUNG, Yeehyun
BU, Hyekyoung
(31) 20150059963
(32) 28.04.2015
(33) Korea (Republic)

(51) G06F 3/01
H04W 88/18
H04N 19/00
(11) EP2846221
(21) EP14002826.7
(47) 08.01.2020
(22) 13.08.2014
(54) Method, system and computer program product for transforming haptic signals
(73) Immersion Corporation
(72) Cruz-Hernandez, Juan Manuel
Saboune, Jamal
(31) 201361874920 P
201314080860
(32) 06.09.2013
15.11.2013
(33) United States of America
United States of America

(51) G06F 3/023
G06F 3/0481
G06F 3/0488
G06F 3/0489
(11) EP3220239
(21) EP16201036.7
(47) 08.01.2020
(22) 29.11.2016
(54) CHARACTER INPUT DEVICE, CHARACTER INPUT METHOD, AND CHARACTER INPUT PROGRAM
(73) OMRON CORPORATION
(72) Yamada, Takahiro
(31) 2016049312
(32) 14.03.2016
(33) Japan

(51) G06F 3/041
G06F 3/044
(11) EP2869169
(21) EP12852441.0
(47) 08.01.2020
(87) CN2012084326
03.01.2014
(22) 08.11.2012
(54) CAPACITIVE IN-CELL TOUCH-SCREEN PANEL AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
(72) ZHAO, Jiayang
(31) 201210226873
(32) 29.06.2012
(33) China

(51) G06F 3/041
G06F 3/044
(11) EP2584439
(21) EP12182413.0
(47) 08.01.2020
(22) 30.08.2012
(54) Information processing apparatus
(73) Sony Corporation
(72) Tokutake, Kenji
(31) 201161547783 P
(32) 17.10.2011
(33) United States of America

(51) G06F 3/041
H01L 27/32
H01L 51/52
(11) EP3104260
(21) EP14870106.3
(47) 08.01.2020
(87) CN2014093359
18.06.2015
(22) 09.12.2014
(54) TOUCH STRUCTURE OF AMOLED DISPLAY SCREEN

(73) Kunshan New Flat Panel Display Technology Center Co. Ltd
Kunshan Go-Visionox Opto-Electronics Co., Ltd.
(72) ZHU, Shaopeng
HIRAYAMA, Hideo
HUANG, Xiuqi
(31) 201320801754 U
(32) 09.12.2013
(33) China

(51) G06F 3/044
(11) EP3089007
(21) EP14874941.9
(47) 08.01.2020
(87) CN2014094621
02.07.2015
(22) 23.12.2014
(54) METHOD FOR ETCHING INDIUM TIN OXIDE FILM ON CAPACITIVE TOUCHSCREEN PANEL
(73) Kunshan Visionox Display Co., Ltd.
(72) AN, Leping
HONG, Yao
WANG, Long
GAO, Ming
YOU, Peisheng
(31) 201310722462
(32) 24.12.2013
(33) China

(51) G06F 3/044
G06K 7/08
G06K 19/067
G06F 3/0488
(11) EP3259660
(21) EP16721084.8
(47) 08.01.2020
(87) EP2016053564
25.08.2016
(22) 19.02.2016
(54) SELF-GROUNDING CAPACITIVE INFORMATION CARRIER AND ITS USE
(73) Touchcode Technologies, LLC
(72) THIELE, Jan
VOIGT, Sascha
WEIGELT, Karin
FÖRSTER, Matthias
(31) 15155759
(32) 19.02.2015
(33) European Patent Office (EPO)

(51) G06F 3/044
G06K 9/00
H01L 27/32
(11) EP3407254
(21) EP18173388.2
(47) 08.01.2020
(22) 21.05.2018
(54) TOUCH SENSOR AND DISPLAY DEVICE INCLUDING THE SAME
(73) Samsung Display Co., Ltd.
(72) SON, Se Wan
KO, Moo Soon
KIM, Jung Hwa
AN, Jin Sung
LEE, Seong Jun
LEE, Wang Woo
LEE, Ji Seon
(31) 20170064114
(32) 24.05.2017
(33) Korea (Republic)

(51) G06F 3/0481
G06F 3/0488
(11) EP2434387
(21) EP11182349.8
(47) 08.01.2020
(22) 22.09.2011
(54) Portable electronic device and method therefor
(73) 2236008 Ontario Inc.
(72) Mackenzie, Stephen, James
(31) 386308 P
(32) 24.09.2010
(33) United States of America

(51) G06F 3/0482
G06F 3/0488
(11) EP2172837
(21) EP09169420.8
(47) 08.01.2020
(22) 03.09.2009
(54) Touch input device and method for portable device
(73) Samsung Electronics Co., Ltd.
(72) Lee, Bong Won
Hong, Nho Kyung
(31) 20080097300
(32) 02.10.2008
(33) Korea (Republic)

(51) G06F 3/0485
G06F 3/0488
(11) EP2560086
(21) EP12158901.4
(47) 08.01.2020
(22) 09.03.2012
(54) Method and apparatus for navigating content on screen using pointing device
(73) Samsung Electronics Co., Ltd.
(72) Kim, Yung Kwan
Kwon, Yong Jin
Lee, Ki Won
Lee, Ho Shin
Lee, Hyo Jin
Sung, Jung Sic
(31) 20110082744
(32) 19.08.2011
(33) Korea (Republic)

(51) G06F 3/0488
G06F 21/16
G06F 21/60
G06F 21/62
G06F 21/82
G06F 8/61
G06F 8/70
(11) EP3248108
(21) EP16739885.8
(47) 08.01.2020
(87) IL2016050065
28.07.2016
(22) 20.01.2016
(54) METHOD FOR ALLOWING DATA CLASSIFICATION IN INFLEXIBLE SOFTWARE DEVELOPMENT ENVIRONMENTS
(73) Microsoft Technology Licensing, LLC
(72) ELDAR, Yuval
OZ, Roee
(31) 201562105863 P
(32) 21.01.2015
(33) United States of America

(51) G06F 3/06
G06F 9/46
G06F 12/02
(11) EP2751695
(21) EP12828124.3
(47) 08.01.2020
(87) US2012035302
07.03.2013
(22) 26.04.2012
(54) SYSTEM AND METHOD FOR RETAINING DEDUPLICATION IN A STORAGE OBJECT AFTER A CLONE SPLIT OPERATION
(73) NetApp, Inc.
(72) Raj, Bipul
Sharma, Alok
(31) 201113221442
(32) 30.08.2011
(33) United States of America

(51) G06F 3/06
G06F 11/14
H04L 29/08
G06F 16/21
G06F 16/27
(11) EP3380924
(21) EP16810552.6
(47) 08.01.2020
(87) US2016063456
01.06.2017
(22) 23.11.2016
(54) NON-DISRUPTIVE BASELINE AND RESYNCHRONIZATION OF A SYNCHRONOUS REPLICATION RELATIONSHIP
(73) NetApp, Inc.
(72) SHETTY, Rithin, Kumar
DUNN, Andrew, Eric
YANG, Yi
(31) 201514953070
(32) 27.11.2015
(33) United States of America

(51) G06F 3/06
G06F 12/02
G06F 13/16
(11) EP3158457
(21) EP15741385.7
(47) 08.01.2020
(87) US2015036470
30.12.2015
(22) 18.06.2015
(54) MANAGING STORAGE DEVICES
(73) Google LLC
(72) SABOL, Christopher J.
JEZNACH, Tomasz
(31) 201414311920
(32) 23.06.2014
(33) United States of America

(51) G06F 3/06
G06F 12/14
G06F 13/40
G06F 13/42
G06F 21/12
G06F 21/53
G06F 21/78
(11) EP3242237
(21) EP15874626.3
(47) 08.01.2020

(87) CN2015071983
07.07.2016
(22) 30.01.2015
(54) SUB-AREA-BASED METHOD AND DEVICE FOR PROTECTING INFORMATION OF MCU CHIP
(73) Gigadevice Semiconductor (Beijing) Inc.
(72) LI, Baokui
WANG, Jinghua
WANG, Nanfei
(31) 201410850607
(32) 30.12.2014
(33) China

(51) G06F 3/12
(11) EP2546734
(21) EP12174303.3
(47) 08.01.2020
(22) 29.06.2012
(54) Printing apparatus, method for controlling printing apparatus, and storage medium
(73) CANON KABUSHIKI KAISHA
(72) Amano, Hiroyuki
(31) 2011153891
(32) 12.07.2011
(33) Japan

(51) G06F 3/12
H04L 29/06
G06F 21/60
(11) EP2624123
(21) EP13153043.8
(47) 08.01.2020
(22) 29.01.2013
(54) Information processing system, information processing apparatus, and authentication method
(73) Ricoh Company, Ltd.
(72) Takatsu, Kazunori
Seo, Naotoshi
Kota, Noriko
(31) 2012020251
2012111681
2013001609
(32) 01.02.2012
15.05.2012
09.01.2013
(33) Japan
Japan
Japan

(51) G06F 3/16
G08G 5/00
G10L 15/22
(11) EP3021320
(21) EP15193924.6
(47) 08.01.2020
(22) 10.11.2015
(54) METHODS AND APPARATUS FOR VOICE-CONTROLLED ACCESS AND DISPLAY OF ELECTRONIC CHARTS ONBOARD AN AIRCRAFT
(73) Honeywell International Inc.
(72) ALVES, Erin Elizabeth
DE MERS, Robert E.
(31) 201414542911
(32) 17.11.2014
(33) United States of America

(51) G06F 3/16
G10L 15/22
G06F 3/0481
G06F 3/0482
G06F 3/0487
G06F 9/44
(11) EP3288024
(21) EP17196474.5
(47) 08.01.2020
(22) 11.01.2013
(54) METHOD AND APPARATUS FOR EXECUTING A USER FUNCTION USING VOICE RECOGNITION
(73) Samsung Electronics Co., Ltd.
(72) LEE, Dongyeol
PARK, Sehwan
(31) 20120003502
(32) 11.01.2012
(33) Korea (Republic)

(51) G06F 7/483
G06F 7/552
(11) EP3239834
(21) EP17168094.5
(47) 08.01.2020
(22) 25.04.2017
(54) VERIFICATION OF HARDWARE DESIGNS TO IMPLEMENT FLOATING POINT POWER FUNCTIONS
(73) Imagination Technologies Limited
(72) ELLIOTT, Sam
(31) 201607354
(32) 27.04.2016
(33) United Kingdom

(51) G06F 8/65
H04W 76/14
G06F 16/951
(11) EP3175358
(21) EP15757029.2
(47) 08.01.2020
(87) US2015042924
04.02.2016
(22) 30.07.2015
(54) CONTEXTUALLY UPDATING WIRELESS DEVICE FIRMWARE
(73) Google Technology Holdings LLC
(72) DEBATES, Scott P.
FOREST, Francis W.
HOR-LAO, Mary K.
LAUTNER, Douglas A.
SHAH, Jagatkumar V.
(31) 201414446637
(32) 30.07.2014
(33) United States of America

(51) G06F 8/658
G06F 16/11
G06F 16/27
(11) EP2808807
(21) EP14166366.6
(47) 08.01.2020
(22) 29.04.2014
(54) Data structures migration and upgrade
(73) Dassault Systemes Enovia Corporation
(72) Tabenkin, Boris
Tewsbary, David Edward,
Upham, William Joseph
Lanfranchi, Severin,
(31) 201313905719
(32) 30.05.2013
(33) United States of America

(51) G06F 9/06
G06F 13/14
G06F 9/455
(11) EP2972784
(21) EP14774294.4
(47) 08.01.2020
(87) US2014022379
02.10.2014
(22) 10.03.2014
(54) SERVICE BRIDGES
(73) Google LLC
(72) ANDERSON, Evan K.
MOHR, Alexander
BEDA, III, Joseph S.
WAYCHISON, Michael H.
MACCARRONE, Cory T.
NORTHUP, Eric R.
MEHAT, Sanjeet Singh
(31) 201313830013
(32) 14.03.2013
(33) United States of America

(51) G06F 9/22
G06F 9/26
G06F 11/14
G06F 9/455
(11) EP3028141
(21) EP13890535.1
(47) 08.01.2020
(87) US2013052877
05.02.2015
(22) 31.07.2013
(54) GENERATING A SECOND CODE FROM A FIRST CODE
(73) Hewlett-Packard Development Company, L.P.
(72) ANBAZHAGAN, Baraneedharan
GIBBONS, Patrick L.
STEWART, Christopher H.

(51) G06F 9/30
G06F 1/32
(11) EP2960781
(21) EP15173700.4
(47) 08.01.2020
(22) 24.06.2015
(54) PROCESSING SIGNALS HAVING A COMMON COMPONENT
(73) Samsung Electronics Co., Ltd
(72) RAMANI, Karthik
BROTHERS, John
KWON, Kwontaek
(31) 201462018157 P
201514712675
20150084345
(32) 27.06.2014
14.05.2015
15.06.2015
(33) United States of America
United States of America
Korea (Republic)

(51) G06F 9/38
(11) EP3060983
(21) EP14856053.5
(47) 08.01.2020
(87) US2014062107
30.04.2015
(22) 24.10.2014
(54) BANDWIDTH INCREASE IN BRANCH PREDICTION UNIT AND LEVEL 1 INSTRUCTION CACHE
(73) Advanced Micro Devices, Inc.

(72) WILLIAMS, Douglas
ARORA, Sahil
GUPTA, Nikhil
CHEN, Wei-Yu
DAS SARMA, Debjit
EVERS, Marius
(31) 201361895624 P
(32) 25.10.2013
(33) United States of America

(51) G06F 9/445
(11) EP3108360
(21) EP15701168.5
(47) 08.01.2020
(87) EP2015051048
27.08.2015
(22) 21.01.2015
(54) INCREASING THE AVAILABLE FLASH MEMORY OF A MICRO-CONTROLLER
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) SCHAFFERT, Arnd
(31) 102014203062
(32) 20.02.2014
(33) Germany

(51) G06F 9/48
G06F 9/50
(11) EP2480969
(21) EP10770565.9
(47) 08.01.2020
(87) FR2010051918
31.03.2011
(22) 15.09.2010
(54) SYSTEM AND METHOD FOR MANAGING INTERLEAVED EXECUTION OF COMMAND THREADS
(73) Bull S.A.S.
(72) COUVEE, Philippe
JEAUGEY, Sylvain
DERR, Simon
(31) 0956660
(32) 25.09.2009
(33) France

(51) G06F 9/48
G06F 11/16
G06F 11/20
H04L 12/24
H04L 29/08
H04W 8/14
H04W 8/30
G06F 9/455
(11) EP3206335
(21) EP14905543.6
(47) 08.01.2020
(87) CN2014090145
12.05.2016
(22) 03.11.2014
(54) VIRTUAL NETWORK FUNCTION INSTANCE MIGRATION METHOD, DEVICE AND SYSTEM
(73) Huawei Technologies Co. Ltd.
(72) HUANG, Yangcheng

(51) G06F 9/50
H04L 12/24
H04L 29/06
(11) EP3158686
(21) EP15811975.0
(47) 08.01.2020
(87) CN2015082537
30.12.2015
(22) 26.06.2015
(54) SYSTEM AND METHOD FOR VIRTUAL NETWORK FUNCTION POLICY MANAGEMENT
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) XIANG, Zhixian
(31) 201462017718 P
(32) 26.06.2014
(33) United States of America

(51) G06F 9/50
H04L 12/24
H04L 29/08
G06F 9/455
(11) EP3152865
(21) EP15731431.1
(47) 08.01.2020
(87) US2015032968
17.12.2015
(22) 28.05.2015
(54) PROVISIONING AND MANAGING SLICES OF A CONSUMER PREMISES EQUIPMENT DEVICE
(73) Cisco Technology, Inc.
(72) BAUGHER, Mark J.
NEDELTCHEV, Plamen
PERKOV, Luka
THIMMANAIK, Tara K.
(31) 201414300168
(32) 09.06.2014
(33) United States of America

(51) G06F 9/50
H04L 12/24
H04L 29/08
G06F 9/455
(11) EP3291499
(21) EP15892421.7
(47) 08.01.2020
(87) CN2015093691
24.11.2016
(22) 03.11.2015
(54) METHOD AND APPARATUS FOR NETWORK SERVICE CAPACITY EXPANSION
(73) Huawei Technologies Co., Ltd.
(72) LI, Shitao
GAUTAM, Deepanshu
(31) 201510262520
(32) 21.05.2015
(33) China

(51) G06F 9/50
H04L 29/08
(11) EP3425883
(21) EP18190819.5
(47) 08.01.2020
(22) 10.06.2014
(54) LOAD BALANCING OF RESOURCES
(73) VMware, Inc.
(72) KARAMANOLIS, Christos
EARL, William
SHAH, Mansi
BURNETT, Nathan
(31) 201314010275
(32) 26.08.2013
(33) United States of America

(51) G06F 9/52
(11) EP2246785
(21) EP10159833.2
(47) 08.01.2020
(22) 14.04.2010
(54) System for managing and arbitrating for cost-constrained resources
(73) 2236008 Ontario Inc.
(72) Jenkins, Tim
Cardamore, Dan
(31) 424856
(32) 16.04.2009
(33) United States of America

(51) G06F 9/54
G06F 8/38
G06F 9/451
(11) EP3384382
(21) EP17740143.7
(47) 08.01.2020
(87) US2017036302
23.08.2018
(22) 07.06.2017
(54) MOBILE APPLICATION ACTIVITY DETECTOR
(73) Google LLC
(72) MOATTAR-ALIABADI, Roxanna
HOSABETTU, Arpana
KRISHNA, Ajay Ananth
AKABAS, Tal Max
(31) 201715436167
(32) 17.02.2017
(33) United States of America

(51) G06F 9/54
G06F 8/60
G06F 9/451
G06F 9/455
(11) EP2622459
(21) EP11832943.2
(47) 08.01.2020
(87) US2011051657
19.04.2012
(22) 14.09.2011
(54) VIRTUAL DESKTOP CONFIGURATION AND OPERATION TECHNIQUES
(73) Microsoft Technology Licensing, LLC
(72) ALLADI, Mahadeva
SAMPATH, Sriram
BEN-SHACHAR, Ido
GREEN, Dustin L.
PALEKAR, Ashwin
(31) 895648
(32) 30.09.2010
(33) United States of America

(51) G06F 11/00
G06F 11/36
H04L 29/06
G06F 21/53
G06F 21/55
G06F 21/56
G06F 9/455
(11) EP3093762
(21) EP16167215.9
(47) 08.01.2020
(22) 05.11.2012
(54) SYSTEMS AND METHODS FOR VIRTUALIZATION AND EMULATION ASSISTED MALWARE DETECTION
(73) Cyphort, Inc.
(72) GOLSHAN, Ali
BINDER, James, S
(31) 201113288917

201113288905
(32) 03.11.2011
03.11.2011
(33) United States of America
United States of America

(51) G06F 11/07
G06F 11/14
G06F 12/12
(11) EP1789884
(21) EP05790030.0
(47) 08.01.2020
(87) US2005030165
02.03.2006
(22) 24.08.2005
(54) SYSTEMS AND METHODS FOR PROVIDING A MODIFICATION HISTORY FOR A LOCATION WITHIN A DATA STORE
(73) Symantec Operating Corporation
(72) ROWAN, Michael
RODGERS, Kevin
(31) 924669
(32) 24.08.2004
(33) United States of America

(51) G06F 11/07
G06F 11/30
G06F 11/32
(11) EP3417375
(21) EP17706932.5
(47) 08.01.2020
(87) US2017017274
24.08.2017
(22) 09.02.2017
(54) AUTOMATED ORDERING OF COMPUTER SYSTEM REPAIR
(73) Microsoft Technology Licensing, LLC
(72) GO, Alexander Say
MACGREGOR, Donald
MAESO, Gregorio
DAVIDSON, Noah Aaron Cedar
(31) 201615045118
(32) 16.02.2016
(33) United States of America

(51) G06F 11/14
(11) EP3291092
(21) EP15890263.5
(47) 08.01.2020
(87) CN2015077811
03.11.2016
(22) 29.04.2015
(54) DATA RECOVERY METHOD, DEVICE AND TERMINAL
(73) Huawei Technologies Co. Ltd.
(72) LI, Zhigang

(51) G06F 11/14
G06F 11/20
H04L 29/06
G06F 21/60
G06F 9/455
(11) EP2790104
(21) EP14159636.1
(47) 08.01.2020
(22) 13.03.2014
(54) Systems, methods, and computer program products for recording service status of applications
(73) Genband US LLC
(72) Legacy, Allain
(31) 201313803695
(32) 14.03.2013
(33) United States of America

(51) G06F 11/14
H04L 29/08
H04W 8/30
H04W 76/10
(11) EP3110225
(21) EP14883069.8
(47) 08.01.2020
(87) CN2014072404
27.08.2015
(22) 21.02.2014
(54) METHOD, APPARATUS AND SYSTEM FOR DETERMINING AND EXECUTING IN A WIRELESS NETWORK A DATA DISTRIBUTION POLICY
(73) Huawei Technologies Co., Ltd.
(72) JIANG, Ming
SHEN, Yang
WU, Wenfu

(51) G06F 11/30
(11) EP3347819
(21) EP16763649.7
(47) 08.01.2020
(87) US2016049300
16.03.2017
(22) 29.08.2016
(54) THERMAL SENSOR PLACEMENT FOR HOTSPOT INTERPOLATION
(73) Qualcomm Incorporated
(72) COUTTS, Ryan Michael
MITTAL, Rajat
SAEIDI, Mehdi
PENZES, Paul Ivan
(31) 201514852350
(32) 11.09.2015
(33) United States of America

(51) G06F 11/30
G06F 11/34
H04L 12/24
H04L 12/26
G06F 9/451
G06F 9/455
(11) EP3014432
(21) EP14817014.5
(47) 08.01.2020
(87) US2014044137
31.12.2014
(22) 25.06.2014
(54) MANAGEMENT OF COMPUTING SESSIONS
(73) Amazon Technologies, Inc.
(72) FARRELL, Eugene, Michael
SURYANARAYANAN, Deepak
LAKSHMANAN, Vivek
BROWN, David, Everard
BRACE, Colin, Harrison
(31) 201313928278
(32) 26.06.2013
(33) United States of America

(51) G06F 11/30
G06F 11/36
(11) EP3399420
(21) EP18164706.6
(47) 08.01.2020
(22) 28.03.2018
(54) CONFIGURATION MANAGEMENT IDENTIFICATION RULE TESTING
(73) ServiceNow, Inc.
(72) PUVVADA, Madhavi
GUPTA, Manish
LAKSHMAN, Nikhil
AMRADKAR, Purushottam
(31) 201715588041
(32) 05.05.2017
(33) United States of America

(51) G06F 11/34
(11) EP2613263
(21) EP11821518.5
(47) 08.01.2020
(87) JP2011068007
08.03.2012
(22) 02.08.2011
(54) OPERATIONS MANAGEMENT DEVICE, OPERATIONS MANAGEMENT METHOD, AND PROGRAM
(73) NEC Corporation
(72) HASEGAWA, Hideo
(31) 2010195761
(32) 01.09.2010
(33) Japan

(51) G06F 11/34
G06Q 10/06
(11) EP3120248
(21) EP15714070.8
(47) 08.01.2020
(87) US2015020314
24.09.2015
(22) 13.03.2015
(54) UNSUPERVISED ANOMALY DETECTION FOR ARBITRARY TIME SERIES
(73) Microsoft Technology Licensing, LLC
(72) FILIMONOV, Vitaly
PERIORELLIS, Panagiotis
STAROSTIN, Dmitry
DE BAYNAST, Alexandre
AKCHURIN, Eldar
KLIMOV, Aleksandr
MINKA, Thomas
SPENGLER, Alexander
(31) 201414218119
(32) 18.03.2014
(33) United States of America

(51) G06F 12/00
G06F 15/16
H04L 29/08
(11) EP2758888
(21) EP12833123.8
(47) 08.01.2020
(87) US2012054927
28.03.2013
(22) 12.09.2012
(54) STORAGE AREA NETWORK ATTACHED CLUSTERED STORAGE SYSTEM
(73) NetApp, Inc.
(72) RAO, Santosh Ananth
BROWN, Geoffrey Stewart
NATARAJAN, Srikumar
PATNAIK, Pranab
TAN, Kai
CORBETT, Peter Frank
VENKATESAN, Vivek

(31) 201161538786 P
201213359203
(32) 23.09.2011
26.01.2012
(33) United States of America
United States of America

(51) G06F 12/1009
G06F 12/109
G06F 9/455
(11) EP3206124
(21) EP15906462.5
(47) 08.01.2020
(87) CN2015092457
27.04.2017
(22) 21.10.2015
(54) METHOD, APPARATUS AND SYSTEM FOR ACCESSING STORAGE DEVICE
(73) Huawei Technologies Co., Ltd.
(72) LI, Langbo

(51) G06F 13/00
G06F 15/173
H04L 12/24
H04L 29/08
(11) EP2923272
(21) EP13857139.3
(47) 08.01.2020
(87) US2013071073
30.05.2014
(22) 20.11.2013
(54) DISTRIBUTED CACHING CLUSTER MANAGEMENT
(73) Amazon Technologies, Inc.
(72) SHANKARAN, Nishanth
SHOU, Dong
ARYA, Rajat
SBISA, Clint Joseph
KIRSHNAMOORTHY, Shyam
THIRUCHI LOGANATHAN, Rajaprabhu
(31) 201213685615
(32) 26.11.2012
(33) United States of America

(51) G06F 13/00
H04L 12/58
H04L 12/70
H04L 12/721
H04L 12/727
H04L 12/733
(11) EP3155772
(21) EP15891984.5
(47) 08.01.2020
(87) MY2015050072
17.11.2016
(22) 15.07.2015
(54) A NEW INSTANT MESSAGING(IM) ROUTING METHOD AND ROUTER
(73) Beijing VRV Software Corporation Ltd.
(72) ZHONG, Li
JIANG, Yi
HU, Jianbin
LIN, Hao
(31) 201510234444
(32) 11.05.2015
(33) China

(51) G06F 13/16
G06F 12/0802
(11) EP2854039
(21) EP14172434.4
(47) 08.01.2020
(22) 13.06.2014
(54) Method and apparatus for copying data using cache
(73) Samsung Electronics Co., Ltd
(72) Jang, Jin Yong
Kim, Gil Yoon
Park, Jin Young
Yang, Seung Jin
Chung, Chun Mok
Choi, Jin
Hong, Eun Seok
(31) 20130114658
(32) 26.09.2013
(33) Korea (Republic)

(51) G06F 13/16
G11C 7/10
(11) EP2913759
(21) EP13869490.6
(47) 08.01.2020
(87) CN2013084257
03.07.2014
(22) 26.09.2013
(54) MEMORY ACCESS PROCESSING METHOD BASED ON MEMORY CHIP INTERCONNECTION, MEMORY CHIP, AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) HUANG, Yongbing
CHEN, Mingyu
RUAN, Yuan
CHEN, Licheng
(31) 201210587401
(32) 28.12.2012
(33) China

(51) G06F 13/28
G06F 13/30
(11) EP3304327
(21) EP16728540.2
(47) 08.01.2020
(87) US2016035156
08.12.2016
(22) 01.06.2016
(54) METHOD AND APPARATUS FOR SPLIT BURST BANDWIDTH ARBITRATION
(73) Microchip Technology Incorporated
(72) STEEDMAN, Sean
YUENYONGSGOOL, Yong
VAN EEDEN, Jacobus Albertus
OTTEN, David
RAJ, Naveen
PULIPAKA, Prashanth
SURAKANTI, Prasanna
(31) 201562169354 P
201615169352
(32) 01.06.2015
31.05.2016
(33) United States of America
United States of America

(51) G06F 13/28
H04B 11/00
H04L 27/26
(11) EP2736209
(21) EP12194444.1
(47) 08.01.2020
(22) 27.11.2012
(54) Method and system for processing data flows
(73) NXP USA, Inc.
(72) Shor, Roy
Dahan, Odi
Goren, Ori
Horn, Avraham

(51) G06F 13/38
(11) EP3454223
(21) EP18156585.4
(47) 08.01.2020
(22) 14.02.2018
(54) HEAD-MOUNTED DISPLAY SYSTEM
(73) Acer Incorporated
(72) Chuang, Meng-Chieh
(31) 106131239
(32) 12.09.2017
(33) Taiwan, Province of China

(51) G06F 13/38
H04L 29/06
H04L 29/08
H04W 28/02
H04W 92/18
H04W 76/00
(11) EP2997760
(21) EP13884638.1
(47) 08.01.2020
(87) US2013060051
20.11.2014
(22) 17.09.2013
(54) APPARATUS AND METHOD OF SUPPORTING STREAMING OVER A PROTOCOL ADAPTATION LAYER (PAL)
(73) Intel Corporation
(72) SADEGHI, Bahareh
WIELICKI, Rafal
DABEK, Marek
LEVY, Elad
(31) 201361824065 P
(32) 16.05.2013
(33) United States of America

(51) G06F 13/40
(11) EP3117328
(21) EP15705456.0
(47) 08.01.2020
(87) US2015014614
17.09.2015
(22) 05.02.2015
(54) VIRTUAL PORT MAPPINGS FOR NON-BLOCKING BEHAVIOR AMONG PHYSICAL PORTS
(73) Oracle International Corporation
(72) SRINIVASAN, Arvind
JOHNSEN, Bjorn Dag
(31) 201414206962
(32) 12.03.2014
(33) United States of America

(51) G06F 13/40
H03K 19/00
H04L 12/40
H04L 25/02
H04L 25/03
(11) EP3373526
(21) EP17159590.3
(47) 08.01.2020
(22) 07.03.2017
(54) TRANSMITTER WITH INDEPENDENTLY ADJUSTABLE VOLTAGE AND IMPEDANCE
(73) NXP B.V.
(72) DE HAAS, Clemens Gerhardus Johannes
FRAMBACH, Johannes Petrus Antonius

DONALDSON, Thomas John William

(51) G06F 15/16
H04L 9/32
H04L 29/06
G06F 3/0482
G06F 3/0484
G06F 21/36
G06F 21/41
(11) EP2937808
(21) EP13867444.5
(47) 08.01.2020
(87) KR2013008425
03.07.2014
(22) 17.09.2013
(54) METHOD AND APPARATUS FOR MANAGING PASSCODE
(73) Rowem Inc
(72) YANG, Giho
HWANG, Jaeyeob
(31) 20120152643
20130111245
(32) 24.12.2012
16.09.2013
(33) Korea (Republic)
Korea (Republic)

(51) G06F 15/16
H04L 12/24
H04L 29/06
H04L 29/08
H04L 29/12
H04W 28/18
H04W 64/00
H04W 4/02
(11) EP1697852
(21) EP04811288.2
(47) 08.01.2020
(87) US2004038526
21.07.2005
(22) 17.11.2004
(54) PROVIDING LOCATION-SPECIFIC SERVICES TO A MOBILE NODE
(73) Cisco Technology, Inc.
(72) SETHI, Aseem
(31) 746901
(32) 23.12.2003
(33) United States of America

(51) G06F 15/78
G09C 1/10
H04L 9/16
G06F 21/72
G06F 21/74
(11) EP2889855
(21) EP14199603.3
(47) 08.01.2020
(22) 22.12.2014
(54) Method for designing a reconfigurable architecture for processing a set of multi-level security operations
(73) Thales
(72) Saliba, Eric
Dicklic, Laurent
Grisal, Olivier
(31) 1303087
(32) 26.12.2013
(33) France

(51) G06F 16/00
(11) EP2181399
(21) EP08781988.4
(47) 08.01.2020
(87) US2008070361
29.01.2009
(22) 17.07.2008
(54) COMPOSITE NESTED STREAMS
(73) Microsoft Technology Licensing, LLC
(72) AHARONI, Avner Y.
MEIJER, Henricus Johannes Maria
(31) 782627
(32) 24.07.2007
(33) United States of America

(51) G06F 16/00
(11) EP2923282
(21) EP13856127.9
(47) 08.01.2020
(87) US2013068174
30.05.2014
(22) 01.11.2013
(54) SEGMENTED GRAPHICAL REVIEW SYSTEM AND METHOD
(73) Open Text Holdings, Inc.
(72) ANGARITA, Roger
MCCREIGHT, Shawn
(31) 201261729310 P
201314024369
(32) 21.11.2012
11.09.2013
(33) United States of America
United States of America

(51) G06F 16/2453
G06F 16/2455
(11) EP3114589
(21) EP15774347.7
(47) 08.01.2020
(87) CN2015075787
08.10.2015
(22) 02.04.2015
(54) SYSTEM AND METHOD FOR MASSIVELY PARALLEL PROCESSING DATABASE
(73) Huawei Technologies Co. Ltd.
(72) CASALETTO, Holly Zeng
ZHOU, Qingqing
(31) 201414243461
(32) 02.04.2014
(33) United States of America

(51) G06F 16/2455
G06F 16/901
(11) EP3069271
(21) EP13897488.6
(47) 08.01.2020
(87) CN2013086980
21.05.2015
(22) 12.11.2013
(54) DYNAMIC STREAM COMPUTING TOPOLOGY
(73) Pivotal Software, Inc.
(72) HAN, Leng
ZHAO, Yanhui
LI, Xiong
GAO, Xiaoming
LI, Ye

(51) G06F 16/36
G06F 16/63
G06F 16/738
(11) EP3298513
(21) EP16738231.6
(47) 08.01.2020
(87) US2016031466
24.11.2016
(22) 09.05.2016
(54) EXTRACTING AN EXCERPT FROM A MEDIA OBJECT
(73) Spotify AB
(72) TRISTAN, Jehan
(31) 201514716334
(32) 19.05.2015
(33) United States of America

(51) G06F 16/438
(11) EP3053059
(21) EP15814162.2
(47) 08.01.2020
(87) IB2015054734
07.01.2016
(22) 24.06.2015
(54) A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR COLLATING AND PRESENTING MULTI-FORMAT INFORMATION
(73) VF Worldwide Holdings Limited
(72) DESAI, Falguni Jignesh
PATHAK, Vishwas Mukund
BHARDWAJ, Bharat Chamanlal
(31) 2128MU2014
(32) 01.07.2014
(33) India

(51) G06F 16/9038
(11) EP3338201
(21) EP16804975.7
(47) 08.01.2020
(87) US2016062053
26.05.2017
(22) 15.11.2016
(54) DIALER APPLICATION
(73) Google LLC
(72) LAI, Charles
MIRANDA, Nicolas Alexander
(31) 201514947529
(32) 20.11.2015
(33) United States of America

(51) G06F 16/93
(11) EP2759947
(21) EP14152646.7
(47) 08.01.2020
(22) 27.01.2014
(54) Panoptic visualization of a three-dimensional representation of a complex system
(73) The Boeing Company
(72) Hadley, Brent L.
Floyd, Joseph F.
Eames, Patrick J.
Hadley, Kyle M.
(31) 201313752060
(32) 28.01.2013
(33) United States of America

(51) G06F 17/10
C12Q 1/6851
(11) EP3231861
(21) EP16183619.2
(47) 08.01.2020
(22) 01.02.2013
(54) NUCLEIC ACID AMPLIFICATION WITH MATHEMATICAL CALCULATION OF THE ASSAY RESULT
(73) Axxin Pty Ltd
(72) HOPPER, William, Robb

(31) 201261594870 P
(32) 03.02.2012
(33) United States of America

(51) G06F 17/14
H02P 21/00
(11) EP3399642
(21) EP18171874.3
(47) 08.01.2020
(22) 28.09.2012
(54) SIGNAL PROCESSOR, FILTER, CONTROL CIRCUIT FOR POWER CONVERTER CIRCUIT, INTERCONNECTION INVERTER SYSTEM AND PWM CONVERTER SYSTEM
(73) Daihen Corporation
(72) OHIRI, Akihiro
(31) 2011215737
2011215738
2011215739
2011280814
2011283473
2012003654
2012009370
2012030232
2012030234
2012048230
(32) 29.09.2011
29.09.2011
29.09.2011
22.12.2011
26.12.2011
12.01.2012
19.01.2012
15.02.2012
15.02.2012
05.03.2012
(33) Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan

(51) G06F 17/18
G06T 17/00
H04S 7/00
(11) EP3348079
(21) EP16736088.2
(47) 08.01.2020
(87) EP2016065839
16.03.2017
(22) 05.07.2016
(54) METHOD AND SYSTEM FOR DEVELOPING A HEAD-RELATED TRANSFER FUNCTION ADAPTED TO AN INDIVIDUAL
(73) 3D Sound Labs
(72) GHORBAL, Slim
SEGUIER, Renaud
BONJOUR, Xavier
(31) 1558279
(32) 07.09.2015
(33) France

(51) G06F 17/21
G06F 17/24
G06F 17/27
H04L 12/58
H04M 1/2745
H04M 1/725
G06F 3/0481
G06F 16/332
(11) EP3518476
(21) EP19163061.5
(47) 08.01.2020
(22) 14.04.2009
(54) COMMUNICATION TERMINAL AND METHOD OF PROVIDING UNIFIED INTERFACE TO THE SAME
(73) Samsung Electronics Co., Ltd.
Industry-University Cooperation Foundation Sogang University
(72) Jeong, Myeong Gi
Park, Young Hee
Kim, Kwang Choon
Seo, Jung Yun
Seon, Choong Nyoung
(31) 20080034361
(32) 14.04.2008
(33) Korea (Republic)

(51) G06F 17/50
(11) EP2463792
(21) EP10405221.2
(47) 08.01.2020
(22) 17.11.2010
(54) Method and system for processing and displaying sheet-metal-forming simulation parameters
(73) Autoform Engineering GmbH
(72) Kubli, Waldemar
Krainer, Andreas

(51) G06F 21/12
G06F 21/34
G06F 21/62
G06F 21/74
G06F 21/83
G06F 21/84
(11) EP3376425
(21) EP16869863.7
(47) 08.01.2020
(87) CN2016105159
08.06.2017
(22) 09.11.2016
(54) USER INTERFACE SWITCHING METHOD AND TERMINAL
(73) Huawei Technologies Co., Ltd.
(72) YAO, Dongdong
(31) 201510859719
(32) 30.11.2015
(33) China

(51) G06F 21/36
(11) EP3114601
(21) EP15710231.0
(47) 08.01.2020
(87) GB2015050640
11.09.2015
(22) 05.03.2015
(54) ACCESS CONTROL FOR A RESOURCE
(73) British Telecommunications public limited company
(72) ROWLINGSON, Robert
(31) 14250036
(32) 07.03.2014
(33) European Patent Office (EPO)

(51) G06F 21/44
G06F 21/62
(11) EP3474172
(21) EP18200450.7
(47) 08.01.2020
(22) 15.10.2018
(54) ACCESS CONTROL USING A BLOCKCHAIN
(73) Bundesdruckerei GmbH
(72) DIETRICH, Frank
PAESCHKE, Manfred
(31) 102017218729
(32) 19.10.2017
(33) Germany

(51) G06F 21/54
G06F 21/57
(11) EP3378005
(21) EP16797889.9
(47) 08.01.2020
(87) EP2016077932
26.05.2017
(22) 17.11.2016
(54) METHOD TO VERIFY THE EXECUTION INTEGRITY OF AN APPLICATION IN A TARGET DEVICE
(73) Nagravision S.A.
(72) WYSEUR, Brecht
(31) 15195379
(32) 19.11.2015
(33) European Patent Office (EPO)

(51) G06F 21/57
G06F 8/656
G06F 9/445
(11) EP2828745
(21) EP12871704.8
(47) 08.01.2020
(87) CA2012000307
26.09.2013
(22) 22.03.2012
(54) UPDATING SOFTWARE COMPONENTS
(73) Irdeto B.V.
(72) LIEM, Clifford
DONG, Hongrui
MARTIN, Sam
GU, Yuan Xiang
WEINER, Michael

(51) G06F 21/60
G06F 21/62
G06F 16/21
(11) EP3268874
(21) EP16724213.0
(47) 08.01.2020
(87) US2016031457
01.12.2016
(22) 09.05.2016
(54) ACCESS CONTROL FOR DATA RESOURCES
(73) Google LLC
(72) VERWEYST, Brent
COCHRAN, Martin James
SIVATHANU, Muthian
(31) 201514723760
(32) 28.05.2015
(33) United States of America

(51) G06F 21/85
(11) EP3073411

(21) EP15818583.5
(47) 08.01.2020
(87) KR2015006315
14.01.2016
(22) 22.06.2015
(54) LAN PORT LOCK DEVICE
(73) Ahn, Chang Hoon
(72) Ahn, Chang Hoon
(31) 20140086186
(32) 09.07.2014
(33) Korea (Republic)

(51) G06K 7/00
(11) EP3229168
(21) EP17165016.1
(47) 08.01.2020
(22) 05.04.2017
(54) IDENTIFICATION METHOD
(73) Dover Europe Sàrl
(72) Starkey, Simon
(31) 201605779
(32) 05.04.2016
(33) United Kingdom

(51) G06K 7/00
G06K 7/08
G06K 13/077
G06K 13/08
G07D 9/00
G07F 7/08
(11) EP3082070
(21) EP14869301.3
(47) 08.01.2020
(87) JP2014082523
18.06.2015
(22) 09.12.2014
(54) CARD READER
(73) Nidec Sankyo Corporation
(72) MIYAZAWA, Shinya
(31) 2013255218
(32) 10.12.2013
(33) Japan

(51) G06K 7/00
G06K 7/08
G06K 13/08
(11) EP2320352
(21) EP10190341.7
(47) 08.01.2020
(22) 08.11.2010
(54) Card processing apparatus and data reading device
(73) Hitachi-Omron Terminal Solutions, Corp.
(72) Ishiguro, Jun
Tadamasa, Akihiro
(31) 2009256252
2009268291
(32) 09.11.2009
26.11.2009
(33) Japan
Japan

(51) G06K 7/00
G06K 7/10
G06K 19/07
H01Q 1/22
H04B 1/18
H04B 1/30
(11) EP3267589
(21) EP16178121.6
(47) 08.01.2020
(22) 06.07.2016
(54) SYSTEM TO PROCESS A HIGH VOLTAGE ANTENNA SIGNAL WITHIN AN INTEGRATED CIRCUIT
(73) Panthronics AG
(72) Jongsma, Jakob
Crols, Jan

(51) G06K 7/01
H04W 4/06
H04W 40/02
H04W 40/12
H04W 40/22
H04W 40/26
H04W 40/28
H04W 40/30
H04W 52/02
H04W 72/04
H04W 80/02
H04W 84/18
H04W 76/38
(11) EP3383128
(21) EP18173785.9
(47) 08.01.2020
(22) 14.11.2008
(54) ENCODED INFORMATION READING TERMINAL WITH WIRELESS PATH SELECTION CAPABILITY
(73) Hand Held Products, Inc.
(72) WANG, Ynjiun P
QU, Huyu
(31) 985329
(32) 14.11.2007
(33) United States of America

(51) G06K 7/10
G06K 7/14
G06K 9/03
G06K 9/18
G06K 9/20
(11) EP2588993
(21) EP11803968.4
(47) 08.01.2020
(87) US2011036295
12.01.2012
(22) 12.05.2011
(54) ADAPTIVE DATA READER SYSTEM AND METHOD OF OPERATING
(73) Datalogic USA, Inc.
(72) GAO, WenLiang
CHERRY, Craig, D.
(31) 360290 P
(32) 30.06.2010
(33) United States of America

(51) G06K 7/10
G06K 9/20
(11) EP2545499
(21) EP11753880.1
(47) 08.01.2020
(87) US2011027439
15.09.2011
(22) 07.03.2011
(54) TEXT ENHANCEMENT OF A TEXTUAL IMAGE UNDERGOING OPTICAL CHARACTER RECOGNITION
(73) Zhigu Holdings Limited
(72) GALIC, Sasa
NIJEMCEVIC, Djordje
DRESEVIC, Bodin
(31) 720732
(32) 10.03.2010
(33) United States of America

(51) G06K 7/10
H02J 7/00
H02J 7/02
H02J 50/10
(11) EP3382847
(21) EP18164206.7
(47) 08.01.2020
(22) 27.03.2018
(54) STAND TO HOLD AND CHARGE A MOBILE MACHINE-READABLE SYMBOL READER
(73) Datalogic IP Tech S.r.l.
(72) VOLTA, Romano
DI BARI, Giuseppe
INSERO, Marco
(31) 201715471939
(32) 28.03.2017
(33) United States of America

(51) G06K 9/00
(11) EP3314527
(21) EP16751340.7
(47) 08.01.2020
(87) IB2016053725
29.12.2016
(22) 22.06.2016
(54) DOUBLE-SIDED FINGERPRINT SENSOR
(73) IDEX BIOMETRICS ASA
(72) BENKLEY, III, Fred G.
(31) 201562183422 P
(32) 23.06.2015
(33) United States of America

(51) G06K 9/00
G06K 9/20
G06K 9/22
H04N 5/232
G06F 21/32
(11) EP3138037
(21) EP15716287.6
(47) 08.01.2020
(87) US2015022775
05.11.2015
(22) 26.03.2015
(54) DISPLAY-INTEGRATED USER-CLASSIFICATION, SECURITY AND FINGERPRINT SYSTEM
(73) Qualcomm Incorporated
(72) WYRWAS, John Michael
KHAN, Safi
GOUSEV, Evgeni Petrovich
GRUHLKE, Russell Wayne
ZHOU, Ying
WECKERLE, Frank Frederick
(31) 201461985305 P
201414499860
(32) 28.04.2014
29.09.2014
(33) United States of America
United States of America

(51) G06K 9/00
G06K 9/62
G06T 7/12
G06T 7/62
(11) EP3063289
(21) EP14857738.0
(47) 08.01.2020
(87) US2014060417
07.05.2015

(22) 14.10.2014
(54) METHOD AND SYSTEM FOR CLASSIFYING AND IDENTIFYING INDIVIDUAL CELLS IN A MICROSCOPY IMAGE
(73) Molecular Devices, LLC
(72) COHEN, Avrum Isaac
HONG, Dihui
(31) 201361896282 P
(32) 28.10.2013
(33) United States of America

(51) G06K 9/00
G06T 7/11
G06T 7/194
(11) EP3327668
(21) EP17200201.6
(47) 08.01.2020
(22) 06.11.2017
(54) IMAGE-PROCESSING DEVICE AND METHOD FOR FOREGROUND MASK CORRECTION FOR OBJECT SEGMENTATION
(73) Sony Corporation
(72) Takeda, Hiroyuki
Gharavi-Alkhansari, Mohammad
(31) 201615361723
(32) 28.11.2016
(33) United States of America

(51) G06K 9/00
G06T 11/60
G06F 3/0488
(11) EP3227769
(21) EP15817755.0
(47) 08.01.2020
(87) EP2015002400
09.06.2016
(22) 27.11.2015
(54) SYSTEM AND METHOD FOR RECOGNIZING GEOMETRIC SHAPES
(73) MyScript
(72) ROBIN, Melinand
BUISSON, Florent
(31) 201414558181
(32) 02.12.2014
(33) United States of America

(51) G06K 9/00
G07C 9/00
G06F 21/32
(11) EP2956890
(21) EP14703884.8
(47) 08.01.2020
(87) EP2014052728
21.08.2014
(22) 12.02.2014
(54) METHOD AND SYSTEM FOR PROVIDING A FUNCTION OF AN IDENTITY MEDIUM
(73) Bundesdruckerei GmbH
(72) FUMY, Walter
BARTOCHA, Alexa
DONATH,Björn
FISCHER, Jörg
HEIDRICH, Josephine
KULIKOVSKA, Olga
WEDEKIND, Torben
(31) 102013202305
(32) 13.02.2013
(33) Germany

(51) G06K 9/00
H01Q 1/24
H01Q 9/40
H01Q 21/30
H04B 1/00
H04M 1/02
G06F 21/32
(11) EP3333972
(21) EP17192056.4
(47) 08.01.2020
(22) 20.09.2017
(54) DEVICE ASSEMBLY APPLIED TO MOBILE TERMINAL AND MOBILE TERMINAL
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) WU, Qing
XIANG, Yuanbin
(31) 201611117055
201621340419 U
(32) 07.12.2016
07.12.2016
(33) China
China

(51) G06K 9/20
G06K 9/34
(11) EP2161679
(21) EP09169128.7
(47) 08.01.2020
(22) 01.09.2009
(54) Apparatus and method for extracting object image
(73) FUJITSU LIMITED
(72) Tsuji, Kentarou
Segawa, Eigo
Shiohara, Morito
(31) 2008228985
(32) 05.09.2008
(33) Japan

(51) G06K 9/46
G06K 9/62
G06T 7/13
G06T 7/40
(11) EP3076337
(21) EP15162066.3
(47) 08.01.2020
(22) 31.03.2015
(54) METHOD AND SYSTEM FOR PRODUCT RECOGNITION
(73) ChannelSight Limited
(72) Bagropoulos, Georgios
Alvanitopoulos, Petros
Moroi, Adrian
Dundon, Kieran

(51) G06K 9/46
G06K 19/06
H04N 1/40
H04N 1/64
H04N 5/76
H04N 9/04
H04N 19/176
(11) EP3133531
(21) EP16189645.1
(47) 08.01.2020
(22) 14.11.2011
(54) CODING OF COLOR IMAGE DATA
(73) Hand Held Products, Inc.
(72) LI, Jingquan
DELOGE, Stephen Patrick
(31) 947055
(32) 16.11.2010
(33) United States of America

(51) G06K 9/46
G06T 7/40
(11) EP3025274
(21) EP14777780.9
(47) 08.01.2020
(87) IB2014063158
29.01.2015
(22) 16.07.2014
(54) IMAGE PROCESSING APPARATUS AND METHOD FOR ENCODING AN IMAGE DESCRIPTOR BASED ON A GRADIENT HISTOGRAM
(73) New Luck Global Limited
(72) PASCHALAKIS, Stavros
(31) TO20130629
(32) 24.07.2013
(33) Italy

(51) G06K 9/62
G06T 7/11
G06T 7/174
(11) EP3152736
(21) EP15731439.4
(47) 08.01.2020
(87) US2015034618
17.12.2015
(22) 08.06.2015
(54) LANDMARK DETECTION WITH SPATIAL AND TEMPORAL CONSTRAINTS IN MEDICAL IMAGING
(73) Siemens Healthcare GmbH
(72) SCUTARU, Mihai
VOIGT, Ingmar
MANSI, Tommaso
IONASEC, Razvan
HOULE, Helene C.
TATPATI, Anand Vinod
COMANICIU, Dorin
GEORGESCU, Bogdan
EL-ZEHIRY, Noha Youssry
(31) 201462009512 P
201562128177 P
(32) 09.06.2014
04.03.2015
(33) United States of America
United States of America

(51) G06K 19/077
(11) EP3217331
(21) EP17160129.7
(47) 08.01.2020
(22) 09.03.2017
(54) DUAL FREQUENCY RFID READER
(73) Paxton Access Limited
(72) MARCHANT, Simon
(31) 201604153
(32) 10.03.2016
(33) United Kingdom

(51) G06K 19/077
G06K 19/08
G08B 13/24
G09F 3/03
G09F 3/12
G09F 7/06
G06Q 10/08
(11) EP2856398

(21) EP13728495.6
(47) 08.01.2020
(87) FR2013051161
28.11.2013
(22) 27.05.2013
(54) DEVICE FOR PROTECTING A COMMERCIAL ARTICLE AGAINST THEFT
(73) Exaqtworld
(72) FAVIER, Alain
(31) 1254885
1257972
(32) 25.05.2012
23.08.2012
(33) France
France

(51) G06N 7/00
G06N 20/00
(11) EP3494522
(21) EP17777431.2
(47) 08.01.2020
(87) US2017050433
29.03.2018
(22) 07.09.2017
(54) COMMUNICATION EFFICIENT FEDERATED LEARNING
(73) Google LLC
(72) MCMAHAN, Hugh Brendan
BACON, David Morris
KONECNY, Jakub
YU, Xinnan
(31) 201662400019 P
(32) 26.09.2016
(33) United States of America

(51) G06Q 10/08
G06F 21/30
G06F 16/955
(11) EP2350912
(21) EP08805227.9
(47) 08.01.2020
(87) EP2008063634
15.04.2010
(22) 10.10.2008
(54) METHOD FOR AUTHENTICATING A PRODUCT IN A CONTAINER, AND ASSOCIATED METHOD FOR VERIFYING THE AUTHENTICITY OF THE PRODUCT AND ITS CONTAINER
(73) OI Europe Sàrl
(72) DANGMANN, Olivier
DESHERAUD, Gilles

(51) G06Q 20/36
(11) EP2989601
(21) EP14732583.1
(47) 08.01.2020
(87) GB2014051311
30.10.2014
(22) 25.04.2014
(54) SECURE VOICE TRANSACTIONS
(73) Semafone Limited
(72) CRITCHLEY, Timothy
JACKSON, David
COZENS, Jim
(31) 201307513
(32) 25.04.2013
(33) United Kingdom

(51) G06Q 30/02
(11) EP3236364

(21) EP16166117.8
(47) 08.01.2020
(22) 20.04.2016
(54) WEB TRACKING METHOD AND SYSTEM
(73) Traffiler GmbH
(72) MIKULLA, Fredrik
SYRTSOV, Evgeny
LAJOSBANYAI, Dirk
SCHILLING, Wolfgang

(51) G06Q 30/02
G06Q 50/16
H04W 4/021
(11) EP3192040
(21) EP15839936.0
(47) 08.01.2020
(87) US2015049488
17.03.2016
(22) 10.09.2015
(54) SYSTEMS AND METHODOLOGIES FOR VALIDATING THE CORRESPONDENCE BETWEEN AN IMAGE AND AN ASSET
(73) Gauglitz, Wolfram, K.
(72) Gauglitz, Wolfram, K.
(31) 201462048506 P
(32) 10.09.2014
(33) United States of America

(51) G06Q 50/00
G16H 10/60
(11) EP2377059
(21) EP09802007.6
(47) 08.01.2020
(87) IB2009055185
17.06.2010
(22) 19.11.2009
(54) AN ASSERTION-BASED RECORD LINKAGE IN DISTRIBUTED AND AUTONOMOUS HEALTHCARE ENVIRONMENTS
(73) Koninklijke Philips N.V.
(72) VDOVJAK, Richard
BUCUR, Anca, Ioana, Daniela
(31) 121989 P
(32) 12.12.2008
(33) United States of America

(51) G06T 3/40
(11) EP3446283
(21) EP17727969.2
(47) 08.01.2020
(87) NL2017050261
26.10.2017
(22) 24.04.2017
(54) IMAGE STITCHING METHOD AND DEVICE
(73) CycloMedia Technology B.V.
(72) BARTELS, Christian Leonard Lucien
BEERS, Bart Johannes
(31) 2016660
(32) 22.04.2016
(33) Netherlands

(51) G06T 3/40
H04N 19/117
H04N 19/182
H04N 19/523
H04N 19/59
H04N 19/61
H04N 19/82
(11) EP3448025

(21) EP18199959.0
(47) 08.01.2020
(22) 28.06.2012
(54) IMAGE INTERPOLATION USING ASYMMETRIC INTERPOLATION FILTER
(73) Samsung Electronics Co., Ltd.
(72) ALSHINA, Elena
ALSHIN, Alexander
(31) 201161502056 P
(32) 28.06.2011
(33) United States of America

(51) G06T 5/00
(11) EP3494542
(21) EP19700348.6
(47) 08.01.2020
(87) EP2019050302
04.04.2019
(22) 08.01.2019
(54) METHOD AND SYSTEM FOR CORRECTING A DISTORTED INPUT IMAGE
(73) FotoNation Limited
(72) GEORGESCU, Vlad
STEC, Piotr
(31) 201815879310
(32) 24.01.2018
(33) United States of America

(51) G06T 5/00
H04N 1/40
(11) EP1667066
(21) EP04773249.0
(47) 08.01.2020
(87) JP2004013605
24.03.2005
(22) 10.09.2004
(54) VISUAL PROCESSING DEVICE, VISUAL PROCESSING METHOD, VISUAL PROCESSING PROGRAM, INTEGRATED CIRCUIT, DISPLAY DEVICE, IMAGING DEVICE, AND MOBILE INFORMATION TERMINAL
(73) Panasonic Intellectual Property Corporation of America
(72) YAMASHITA, Haruo
KOJIMA, Akio
KUROSAWA, Toshiharu
KUWAHARA, Yasuhiro
WATANABE, Tatsumi
MONOBE, Yusuke
ITO, Takeshi
(31) 2003320061
2003433324
2004169693
(32) 11.09.2003
26.12.2003
08.06.2004
(33) Japan
Japan
Japan

(51) G06T 5/00
H04N 5/232
H04N 13/122
(11) EP2579572
(21) EP12006911.7
(47) 08.01.2020
(22) 05.10.2012

(54) A mobile terminal and method for generating an out-of-focus image
(73) LG Electronics
(72) Lee, Jinsool
(31) 20110102727
(32) 07.10.2011
(33) Korea (Republic)

(51) G06T 5/50
G06T 7/00
(11) EP2732432
(21) EP12753236.4
(47) 08.01.2020
(87) IB2012053285
17.01.2013
(22) 28.06.2012
(54) METHOD FOR AUTOMATICALLY ADJUSTING A FOCAL PLANE OF A DIGITAL PATHOLOGY IMAGE
(73) Koninklijke Philips N.V.
(72) VAN LEEUWEN, Marinus, Bastiaan
VINK, Jelte, Peter
(31) 201161507165 P
(32) 13.07.2011
(33) United States of America

(51) G06T 7/00
G06T 7/50
G06T 7/60
(11) EP3378038
(21) EP16798686.8
(47) 08.01.2020
(87) EP2016077764
26.05.2017
(22) 15.11.2016
(54) METHOD AND DEVICE FOR ESTIMATING ABSOLUTE SIZE DIMENSIONS OF A TEST OBJECT
(73) Koninklijke Philips N.V.
(72) ZNAMENSKIY, Dmitry, Nikolayevich
VLUTTERS, Ruud
(31) 15195073
(32) 18.11.2015
(33) European Patent Office (EPO)

(51) G06T 7/20
(11) EP2502201
(21) EP10776408.6
(47) 08.01.2020
(87) GB2010051872
26.05.2011
(22) 10.11.2010
(54) Image processing for change detection
(73) BAE SYSTEMS PLC
(72) THUEX, Yoann, Paul, Georges
CARTER, Nicholas, Laurence
(31) 0920111
09275109
(32) 18.11.2009
18.11.2009
(33) United Kingdom
European Patent Office (EPO)

(51) G06T 7/20
G06T 7/246
G06T 7/277
(11) EP3387619
(21) EP16810324.0
(47) 08.01.2020
(87) EP2016080402
15.06.2017
(22) 09.12.2016
(54) DETECTION AND MONITORING OF RAILS IN A VIDEO STREAM
(73) COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES
(72) ALLEZARD, Nicolas
(31) 1562142
(32) 10.12.2015
(33) France

(51) G06T 7/246
G06T 7/73
(11) EP3428884
(21) EP18171836.2
(47) 08.01.2020
(22) 11.05.2018
(54) TRACKING SYSTEM AND TRACKING METHOD THEREOF
(73) HTC Corporation
(72) Chen, Yuan-Tung
Feng, Hsu-Hong
Chang, Tzu-Yin
Wang, Wei-Ta
Yu, Tzu-Chieh
(31) 201762505136 P
(32) 12.05.2017
(33) United States of America

(51) G06T 7/277
G06T 7/30
(11) EP3361446
(21) EP18153835.6
(47) 08.01.2020
(22) 29.01.2018
(54) IMU-AIDED IMAGE REGISTRATION
(73) Rosemount Aerospace Inc.
(72) ELL, Todd
(31) 201715428638
(32) 09.02.2017
(33) United States of America

(51) G06T 7/521
(11) EP3506204
(21) EP18201713.7
(47) 18.12.2019
(22) 22.10.2018
(54) IMAGE PROCESSING SYSTEM, METHOD AND PROGRAM THEREFOR
(73) Omron Corporation
(72) SHIMIZU, Takashi
(31) 2017251306
(32) 27.12.2017
(33) Japan

(51) G06T 7/55
H04N 13/00
H04N 13/261
(11) EP2774124
(21) EP12845015.2
(47) 08.01.2020
(87) US2012063435
10.05.2013
(22) 02.11.2012
(54) DEPTH-MAP GENERATION FOR AN INPUT IMAGE USING AN EXAMPLE APPROXIMATE DEPTH-MAP ASSOCIATED WITH AN EXAMPLE SIMILAR IMAGE
(73) Google LLC
(72) MUKHERJEE, Debargha
WU, Chen
WANG, Meng
(31) 201161554670 P
201213478449
(32) 02.11.2011
23.05.2012
(33) United States of America
United States of America

(51) G06T 7/579
(11) EP3167432
(21) EP15741956.5
(47) 08.01.2020
(87) EP2015065524
14.01.2016
(22) 07.07.2015
(54) METHOD AND SYSTEM FOR PHOTOGRAMMETRIC PROCESSING OF IMAGES
(73) VITO NV
(72) SIMA, Aleksandra
(31) 201412060
201462021278 P
(32) 07.07.2014
07.07.2014
(33) United Kingdom
United States of America

(51) G06T 9/40
H04N 19/463
H04N 19/53
H04N 19/593
H04N 19/96
(11) EP3301648
(21) EP17201697.4
(47) 08.01.2020
(22) 13.04.2011
(54) INHERITANCE IN SAMPLE ARRAY MULTITREE SUBDIVISION
(73) GE Video Compression, LLC
(72) HELLE, Philipp
MARPE, Detlev
OUDIN, Simon
WIEGAND, Thomas
(31) 10159782
PCT/EP2010/054827
(32) 13.04.2010
13.04.2010
(33) European Patent Office (EPO)
World Intellectual Property Office (WIPO)

(51) G06T 11/00
(11) EP2541500
(21) EP12174220.9
(47) 08.01.2020
(22) 28.06.2012
(54) System and method for soft-field reconstruction
(73) General Electric Company
(72) Langoju, Rajesh V. V. L.
Basu, Wrichik
Kumar, Manoj Koyithitta Meethal
Mahalingam, Sakethraman
(31) 201113173896
(32) 30.06.2011
(33) United States of America

(51) G06T 11/60
H04W 16/18
H04W 24/00
H04W 24/02
(11) EP3322207
(21) EP16198763.1
(47) 08.01.2020

(22) 14.11.2016
(54) METHOD TO PROVIDE AN ENHANCED NETWORK PERFORMANCE AND/ OR CAPABILITY INFORMATION RELATED TO BOTH A MOBILE COMMUNICATION NETWORK AND A USER EQUIPMENT WITHIN THAT MOBILE COMMUNICATION NETWORK, SYSTEM AND MOBILE COMMUNICATION NETWORK FOR THE PROVISION OF AN ENHANCED NETWORK PERFORMANCE AND/ OR CAPABILITY INFORMATION RELATED TO BOTH THE MOBILE COMMUNICATION NETWORK AND A USER EQUIPMENT, PROGRAM AND COMPUTER PROGRAM PRODUCT
(73) Deutsche Telekom AG
(72) Cornforth, Philip
Hilton, Claire
Tottingham, John

(51) G06T 13/00
G06F 3/14
G06T 1/00
G06F 9/44
(11) EP2300906
(21) EP09763140.2
(47) 08.01.2020
(87) US2009043525
17.12.2009
(22) 12.05.2009
(54) COPYING OF ANIMATION EFFECTS FROM A SOURCE OBJECT TO AT LEAST ONE TARGET OBJECT
(73) Microsoft Technology Licensing, LLC
(72) ZHAO, Jason, Xiaobo
SHI, Xiaoyan
ZHANG, Jiang
(31) 138401
(32) 12.06.2008
(33) United States of America

(51) G06T 13/20
G06T 17/00
(11) EP3144896
(21) EP16189617.0
(47) 08.01.2020
(22) 20.09.2016
(54) MULTI-REPRESENTATION DEPENDENCY GRAPHS
(73) DreamWorks Animation LLC
(72) PAPP, Esteban D.
BRYSON, Stuart
(31) 201514860631
(32) 21.09.2015
(33) United States of America

(51) G06T 13/40
G06T 15/50
G06T 19/20
(11) EP3422294
(21) EP17202839.1
(47) 08.01.2020
(22) 21.11.2017
(54) TRAVERSAL SELECTION OF COMPONENTS FOR A GEOMETRIC MODEL
(73) DreamWorks Animation LLC
(72) BRYSON, Stuart
PAPP, Esteban
FARSON, Peter
POWELL, Alex
(31) 201715639959
(32) 30.06.2017
(33) United States of America

(51) G06T 15/04
G06T 17/10
G06T 17/20
(11) EP2381421
(21) EP11162186.8
(47) 08.01.2020
(22) 13.04.2011
(54) Automatic generation of 3D models from packaged goods product images
(73) Dassault Systèmes
(72) Halstead, Rodd M.
(31) 76330710
(32) 20.04.2010
(33) United States of America

(51) G06T 15/06
G06T 15/50
G06T 5/00
H04N 19/154
H04N 19/25
H04N 19/98
(11) EP3373586
(21) EP18155835.4
(47) 08.01.2020
(22) 08.02.2018
(54) METHOD FOR INVERSE TONE MAPPING OF AN IMAGE WITH VISUAL EFFECTS
(73) InterDigital CE Patent Holdings
(72) JOLLY, Emmanuel
STAUDER, Jürgen
GUERMOUD, Hassane
(31) 17305256
(32) 09.03.2017
(33) European Patent Office (EPO)

(51) G06T 15/20
G06T 19/00
H04N 21/00
H04N 21/41
H04N 21/431
H04N 21/439
H04N 21/44
H04N 21/4722
H04N 21/488
H04N 21/81
G06F 3/01
G06F 3/14
G06T 11/00
H04N 5/265
G06F 3/0346
A63F 13/20
G06T 7/70
(11) EP2893706
(21) EP13782846.3
(47) 08.01.2020
(87) IB2013058254
13.03.2014
(22) 03.09.2013
(54) AUGMENTED REALITY FOR VIDEO SYSTEM
(73) Synamedia Limited
(72) GARDES, Laurent
PRAT, Yann
LACOUR, Olivier
DE MARREZ, Didier
CHAUVIER, Laurent
(31) 201261743431 P
(32) 04.09.2012
(33) United States of America

(51) G06T 15/40
G06T 17/05
(11) EP2804151
(21) EP13167982.1
(47) 08.01.2020
(22) 16.05.2013
(54) Method for rendering data of a three-dimensional surface
(73) Hexagon Technology Center GmbH
(72) Chatry, Olivier

(51) G06T 15/50
(11) EP3161797
(21) EP15739088.1
(47) 08.01.2020
(87) US2015037566
07.01.2016
(22) 25.06.2015
(54) NON-PARAMETRIC MICROFACET FACTOR MODELS FOR ISOTROPIC BIDIRECTIONAL REFLECTANCE DISTRIBUTION FUNCTIONS
(73) Microsoft Technology Licensing, LLC
(72) MOHAMMADBAGHER, Mahdi
NOWROUZEZAHRAI, Derek
SNYDER, John Michael
(31) 201414320636
(32) 30.06.2014
(33) United States of America

(51) G06T 15/50
(11) EP3109831
(21) EP16172339.0
(47) 08.01.2020
(22) 31.05.2016
(54) PROGRAM, RECORDING MEDIUM, LUMINANCE COMPUTATION APPARATUS, AND LUMINANCE COMPUTATION METHOD
(73) Square Enix Co., Ltd.
(72) Tokuyoshi, Yusuke
(31) 201562182762 P
2015192187
(32) 22.06.2015
29.09.2015
(33) United States of America
Japan

(51) G06T 17/00
A61F 2/06
(11) EP3304499
(21) EP15750480.4
(47) 08.01.2020
(87) TR2015000243
08.12.2016
(22) 29.05.2015
(54) PRE-OPERATIVE DEVELOPMENT OF PATIENT-SPECIFIC VASCULAR PATCH GRAFT PROTOTYPES FOR PEDIATRIC AND NEONATAL PATIENTS
(73) KOC Universitesi
(72) PEKKAN, Kerem
PISKIN, Senol

(51) G06T 17/05
G01B 21/04

G01C 15/00
G01C 15/02
G06K 19/077
(11) EP3298589
(21) EP16796834.6
(47) 08.01.2020
(87) SE2016050448
24.11.2016
(22) 18.05.2016
(54) BASE MEMBER AND RFID MEMBER FOR 3D IMAGE CREATION OF A SCENE
(73) Advanced Technical Solutions In Scandinavia AB
(72) BERGQVIST, Göran L.
(31) 1530070
(32) 19.05.2015
(33) Sweden

(51) G06T 17/05
G01C 11/06
G06T 17/20
(11) EP2946368
(21) EP13871927.3
(47) 08.01.2020
(87) SE2013050041
24.07.2014
(22) 21.01.2013
(54) A METHOD AND ARRANGEMENT FOR PROVIDING A 3D MODEL
(73) Vricon Systems Aktiebolag
(72) ISAKSSON, Folke
BEJERYD, Johan
CARLBOM, Per
BORG, Johan
ANDERSSON, Ingmar
HAGLUND, Leif

(51) G06T 17/30
G06T 7/00
(11) EP3105741
(21) EP15708600.0
(47) 08.01.2020
(87) IB2015050862
20.08.2015
(22) 05.02.2015
(54) SYSTEMS FOR MONITORING LESION SIZE TRENDS AND METHODS OF OPERATION THEREOF
(73) Koninklijke Philips N.V.
(72) SNOOK, Allen David
VION, Michael R.
DMITRIEVA, Julia
MAN, Junzheng
(31) 201461938713 P
(32) 12.02.2014
(33) United States of America

(51) G06T 19/00
(11) EP2849157
(21) EP14183510.8
(47) 08.01.2020
(22) 04.09.2014
(54) Image processing apparatus, image processing method, and computer-readable storage medium
(73) Canon Kabushiki Kaisha
(72) Yoshibayashi, Hiroshi
Takama, Yasufumi
Endo, Takaaki
Ishikawa, Ryo
Satoh, Kiyohide
(31) 2013185700
2014170901
(32) 06.09.2013
25.08.2014
(33) Japan
Japan

(51) G06T 19/00
A61B 17/435
G06T 11/00
C12N 5/073
G06T 7/00
(11) EP3164483
(21) EP15797384.3
(47) 08.01.2020
(87) IB2015001346
07.01.2016
(22) 01.07.2015
(54) METHODS FOR THREE DIMENSIONAL RECONSTRUCTION AND DETERMINING THE QUALITY OF AN EMBRYO
(73) Institut National de la Santé et de la Recherche Médicale (INSERM)
Université de Montpellier
Centre Hospitalier Universitaire de Montpellier
(72) HAMAMAH, Samir
SCALICI, Elodie
(31) 201462019574 P
(32) 01.07.2014
(33) United States of America

(51) G06T 19/00
G02B 27/01
G06F 3/01
G09G 5/37
(11) EP3394707
(21) EP16797566.3
(47) 08.01.2020
(87) EP2016077971
29.06.2017
(22) 17.11.2016
(54) METHOD FOR OPERATING A VIRTUAL REALITY SYSTEM, AND VIRTUAL REALITY SYSTEM
(73) Audi AG
(72) KÜHNE, Marcus
(31) 102015226585
(32) 22.12.2015
(33) Germany

(51) G07C 5/08
G08G 1/01
G08G 1/16
B60W 40/09
(11) EP2827320
(21) EP13761920.1
(47) 08.01.2020
(87) JP2013001625
19.09.2013
(22) 12.03.2013
(54) DEVICE FOR DETERMINING SENSITIVITY TO PREDICTION OF UNEXPECTED SITUATIONS
(73) Nissan Motor Co., Ltd
(72) HIRAMATSU, Machiko
SUNDA, Takashi
(31) 2012060435
(32) 16.03.2012
(33) Japan

(51) G07C 9/00
H04W 4/02
H04W 4/029
H04W 4/40
(11) EP3313105
(21) EP17189080.9
(47) 08.01.2020
(22) 01.09.2017
(54) METHOD FOR TESTING AN AUTHORISATION OF A MOBILE UNLOCKING DEVICE AND CONTROL UNITS FOR A VEHICLE
(73) Bayerische Motoren Werke Aktiengesellschaft
Deutsche Telekom AG
(72) Gehrsitz, Thomas
Schnieders, Dominik
(31) 102016120146
(32) 21.10.2016
(33) Germany

(51) G07D 5/02
G07D 9/00
G06T 7/62
(11) EP3281184
(21) EP16717286.5
(47) 08.01.2020
(87) EP2016057522
13.10.2016
(22) 06.04.2016
(54) METHOD AND DEVICE FOR DETERMINING THE FILL LEVEL OF COIN TUBES
(73) Crane Payment Innovations Ltd.
(72) SCHNEIDER, Thorsten
(31) 102015105286
(32) 08.04.2015
(33) Germany

(51) G07F 7/06
(11) EP3257028
(21) EP16706989.7
(47) 08.01.2020
(87) EP2016052837
18.08.2016
(22) 10.02.2016
(54) SEMI-AUTOMATIC DISPLAY UNIT FOR GAS CYLINDERS AND ASSOCIATED METHOD
(73) BUTAGAZ
Boceto
(72) SAURINE, Xavier
DECHERF, Benoit
DECHERF, Arnaud
BIOVIR, Pierrick
(31) 1551069
(32) 10.02.2015
(33) France

(51) G07F 7/10
G07F 17/42
H04L 9/08
H04L 9/32
G06Q 20/02
G06Q 20/38
G06Q 20/40
(11) EP1610274
(21) EP05108638.7
(47) 08.01.2020
(22) 01.06.2005
(54) Method of downloading ticketing keys

(73) Revenue Collection Systems France SAS
(72) Ratier, Denis, Thales Intellectual Property
Kekenbosch, Gilles, Thales Intellectual Property
Aubry, Philippe, Thales Intellectual Property
(31) 0407006
(32) 25.06.2004
(33) France

(51) G07F 17/32
G06Q 10/04
G06Q 10/06
G06Q 50/34
(11) EP2407922
(21) EP10833407.9
(47) 08.01.2020
(87) JP2010071356
03.06.2011
(22) 30.11.2010
(54) HORSE BODY INFORMATION PROVISION SYSTEM, HORSE BODY STILL IMAGE DATA EXTRACTION METHOD, HORSE BODY STILL IMAGE DATA EXTRACTION PROGRAM, AND COMPUTER-READABLE RECORDING MEDIUM
(73) Rakuten, Inc.
(72) NAKAJIMA Yoshiaki
SHIMOYAMA Shinichi
(31) 2009272149
(32) 30.11.2009
(33) Japan

(51) G07F 19/00
G06Q 20/10
G06Q 40/00
G07D 11/00
(11) EP3100227
(21) EP15743854.0
(47) 08.01.2020
(87) US2015013053
06.08.2015
(22) 27.01.2015
(54) DETECTION OF UNAUTHORIZED DEVICES ON ATMS
(73) Capital One Financial Corporation
(72) HODGES, William, A.
MARSHALL, Christopher, R.
BURGAIN, Pierrick
(31) 201461932311 P
201461982991 P
(32) 28.01.2014
23.04.2014
(33) United States of America
United States of America

(51) G08B 7/06
G08B 27/00
(11) EP2955705
(21) EP14382225.2
(47) 08.01.2020
(22) 13.06.2014
(54) Fire device addressing
(73) UTC Fire & Security EMEA BVBA
(72) Vidal Puente, Javier
Schatz, Paul
Zribi, Anis
Escofet Via, Jordi
Rubio Corredera, Carlos

(51) G08B 13/196
G08B 29/24
H04N 5/232
H04N 17/00
(11) EP3451650
(21) EP17188260.8
(47) 08.01.2020
(22) 29.08.2017
(54) A METHOD OF CALIBRATING A DIRECTION OF A PAN, TILT, ZOOM, CAMERA WITH RESPECT TO A FIXED CAMERA, AND A SYSTEM IN WHICH SUCH A CALIBRATION IS CARRIED OUT
(73) Axis AB
(72) Dahlström, Robin
Gylin, Mattias

(51) G08B 21/02
G08B 21/24
H04W 64/00
H04W 4/02
(11) EP3086136
(21) EP16162945.6
(47) 08.01.2020
(22) 30.03.2016
(54) DETECTING PHYSICAL SEPARATION OF PORTABLE DEVICES
(73) Motorola Mobility LLC
(72) CREPEAU, Matthieu Robert
LABANA, Roland S
(31) 201514693993
(32) 23.04.2015
(33) United States of America

(51) G08B 25/08
G08B 25/10
(11) EP2805316
(21) EP12847604.1
(47) 08.01.2020
(87) US2012064514
16.05.2013
(22) 09.11.2012
(54) EMERGENCY MESSAGING SYSTEM AND METHOD OF RESPONDING TO AN EMERGENCY
(73) Sirengps
(72) RAUNER, Paul
(31) 201161558301 P
201161558312 P
201261594648 P
(32) 10.11.2011
10.11.2011
03.02.2012
(33) United States of America
United States of America
United States of America

(51) G08B 29/06
G08B 29/12
G08B 29/14
(11) EP3319060
(21) EP17197964.4
(47) 08.01.2020
(22) 24.10.2017
(54) SENSOR COMMUNICATION TESTING
(73) Honeywell International Inc.
(72) VOLAM, Praveen Kumar
PALANISAMY, Prabhu
CHANDRASHEKAR, Madhu T.
(31) 201615333913
(32) 25.10.2016
(33) United States of America

(51) G08C 17/02
H04B 5/00
H04W 4/80
(11) EP3401890
(21) EP18168605.6
(47) 08.01.2020
(22) 20.04.2018
(54) CONTROL DEVICE AND METHOD FOR CONTROLLING FUNCTION THEREOF
(73) Samsung Electronics Co., Ltd.
(72) HONG, Ye Seul
MYUNG, Jae Seok
KIM, Yoon Su
BAHN, Sahng Hee
SOHN, Jung Joo
JEONG, Kyung Ho
JIN, Young Kyu
(31) 20170058919
20180003942
(32) 11.05.2017
11.01.2018
(33) Korea (Republic)
Korea (Republic)

(51) G08C 17/02
H04N 5/232
(11) EP3036726
(21) EP14805687.2
(47) 08.01.2020
(87) JP2014005602
21.05.2015
(22) 07.11.2014
(54) INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, PHOTOGRAPHING SYSTEM, AND PROGRAM
(73) Sony Corporation
(72) ITO, Ryogo
OKAMOTO, Keiji
AKAMATSU, Kazuma
(31) 2013235994
(32) 14.11.2013
(33) Japan

(51) G08C 19/00
H02J 13/00
H04B 3/54
H04L 12/18
H04L 12/64
G06Q 20/38
G06Q 50/06
(11) EP2932577
(21) EP13795047.3
(47) 08.01.2020
(87) US2013067850
26.06.2014
(22) 31.10.2013
(54) POWER LINE COMMUNICATION OVER DISCONNECTED SERVICE LINES
(73) Itron, Inc.
(72) BORISOV, Vladimir
THUMATY, Sudhir, Prakash, Emmanuel
(31) 201213717283
(32) 17.12.2012
(33) United States of America

(51) G08C 23/06
H01P 3/10
H01Q 1/46
H04B 3/52

H04B 3/54
H04Q 9/00
H04B 3/46
(11) EP3195607
(21) EP15760356.4
(47) 08.01.2020
(87) US2015047315
24.03.2016
(22) 28.08.2015
(54) MONITORING AND MITIGATING CONDITIONS IN A COMMUNICATION NETWORK
(73) AT&T Intellectual Property I, LP
(72) FUCHS, Mitchell Harvey
GERSZBERG, Irwin
(31) 201414488346
(32) 17.09.2014
(33) United States of America

(51) G08C 25/00
H01F 19/08
H04L 7/00
H04L 25/02
H04Q 9/00
(11) EP2658279
(21) EP13164287.8
(47) 08.01.2020
(22) 18.04.2013
(54) ISOLATED SYSTEM DATA COMMUNICATION
(73) Analog Devices, Inc.
(72) Mueck, Michael
Getzin, Lawrence
(31) 201261636797 P
201313784508
(32) 23.04.2012
04.03.2013
(33) United States of America
United States of America

(51) G08G 1/01
G08G 1/16
(11) EP2827317
(21) EP13761346.9
(47) 08.01.2020
(87) JP2013001626
19.09.2013
(22) 12.03.2013
(54) DEVICE FOR DETERMINING SENSITIVITY TO PREDICTION OF UNEXPECTED SITUATIONS
(73) Nissan Motor Co., Ltd
(72) HIRAMATSU, Machiko
SUNDA, Takashi
(31) 2012060433
(32) 16.03.2012
(33) Japan

(51) G08G 1/16
(11) EP3133573
(21) EP15182052.9
(47) 08.01.2020
(22) 21.08.2015
(54) SYSTEM AND METHOD FOR COLLISION WARNING
(73) Harman Becker Automotive Systems GmbH
(72) ROHRBACHER, Adam

(51) G09B 5/00
G09B 19/24
(11) EP2842118
(21) EP13723593.3
(47) 08.01.2020
(87) US2013038371
31.10.2013
(22) 26.04.2013
(54) SYSTEMS AND METHODS FOR TRAINING A WELDING OPERATOR
(73) Illinois Tool Works Inc.
(72) PATTERSON, Jon M.
ALBRECHT, Bruce P.
(31) 201261639414 P
201313779418
(32) 27.04.2012
27.02.2013
(33) United States of America
United States of America

(51) G09B 19/24
G09B 23/28
G09B 23/30
(11) EP3306594
(21) EP17187896.0
(47) 08.01.2020
(22) 25.08.2017
(54) IN-SITU TRAINING APPARATUS, METHOD, AND SYSTEM
(73) Medtronic Holding Company Sàrl
(72) LEE, Stephen W.
(31) 201615289688
(32) 10.10.2016
(33) United States of America

(51) G09B 23/28
G09B 23/30
G09B 23/32
G09B 23/34
A61B 90/00
(11) EP3279885
(21) EP16772106.7
(47) 08.01.2020
(87) JP2016057000
06.10.2016
(22) 07.03.2016
(54) CONTAINER FOR CATHETER SIMULATOR AND HEART MODEL ACCOMMODATED IN SAID CONTAINER
(73) Osaka University
JMC Corporation
Fuyo Corporation
(72) OKAYAMA, Keita
SAKATA, Yasushi
NANTO, Shinsuke
WATANABE, Daichi
INADA, Makoto
SATO, Munekuni
(31) 2015068186
2015219184
(32) 30.03.2015
09.11.2015
(33) Japan
Japan

(51) G09B 23/28
G09B 23/30
G09B 23/34
A61F 2/82
A61F 2/95
A61F 2/958
(11) EP3220375
(21) EP16205654.3
(47) 08.01.2020
(22) 21.12.2016
(54) TRAINING DEVICE AND TRAINING DEVICE SYSTEM
(73) Takashima Sangyo Co. Ltd.
OSAKA UNIVERSITY
(72) OKAYAMA, Keita
SAKATA, Yasushi
YANAGISHIMA, Keigo
AONUMA, Shigeru
SATOU, You
YAZAKI, Kouhei
OOWA, Junji
(31) 2016052790
(32) 16.03.2016
(33) Japan

(51) G09C 1/00
H04L 9/08
H04L 12/801
(11) EP3404867
(21) EP17171773.9
(47) 08.01.2020
(22) 18.05.2017
(54) CONFIGURABLE SERVICE PACKET ENGINE EXPLOITING FRAMES PROPERTIES
(73) ID Quantique S.A.
(72) Monat, Laurent
Kirakossian, Emmanuel
Christiansson, Thorsten
Domergue, Mathias

(51) G09G 3/00
(11) EP3040962
(21) EP15196935.9
(47) 08.01.2020
(22) 30.11.2015
(54) ORGANIC LIGHT EMITTING DIODE DISPLAY DEVICE AND DRIVING METHOD THEREOF
(73) LG Display Co., Ltd.
(72) KIM, Tae Gung
KIM, Jung Hyeon
(31) 20140192089
(32) 29.12.2014
(33) Korea (Republic)

(51) G09G 3/00
G09G 5/00
G09G 5/36
G11B 27/038
G06F 3/0481
G06F 3/0482
G06F 3/0485
H04N 13/106
H04N 13/133
H04N 13/144
H04N 13/359
H04N 13/398
G06F 16/00
(11) EP3288020
(21) EP17191960.8
(47) 08.01.2020
(22) 28.05.2012
(54) IMAGE PROCESSOR
(73) Sony Interactive Entertainment Inc.
(72) Takahashi Masaki
Matono Yoshinobu
Hiramatsu Shuji
(31) 2011172289
(32) 05.08.2011

(33) Japan

(51) G09G 3/20
(11) EP3172638
(21) EP15839764.6
(47) 08.01.2020
(87) KR2015008559
17.03.2016
(22) 17.08.2015
(54) METHOD OF CONTROLLING DISPLAY OF ELECTRONIC DEVICE AND ELECTRONIC DEVICE THEREOF
(73) Samsung Electronics Co., Ltd.
(72) YEON, Hun-Je
YOUN, So-Young
PARK, Min-Ji
PARK, Woo-Jin
HONG, Moon-Ki
(31) 20140120861
(32) 12.09.2014
(33) Korea (Republic)

(51) G10K 11/178
G10K 15/02
(11) EP3274987
(21) EP16714687.7
(47) 08.01.2020
(87) US2016023600
29.09.2016
(22) 22.03.2016
(54) VEHICLE ENGINE HARMONIC SOUND CONTROL
(73) Bose Corporation
(72) HERA, Cristian M.
(31) 201514667164
(32) 24.03.2015
(33) United States of America

(51) G10L 15/16
G10L 15/04
G10L 15/24
G10L 15/34
G10L 25/03
(11) EP2695160
(21) EP11862334.7
(47) 08.01.2020
(87) US2011059004
04.10.2012
(22) 02.11.2011
(54) SPEECH SYLLABLE/VOWEL/PHONE BOUNDARY DETECTION USING AUDITORY ATTENTION CUES
(73) Sony Interactive Entertainment Inc.
(72) KALINLI, Ozlem
CHEN, Ruxin
(31) 201113078866
(32) 01.04.2011
(33) United States of America

(51) G10L 15/183
G06F 16/242
G06F 16/332
G06F 16/9032
(11) EP3268955
(21) EP16711947.8
(47) 08.01.2020
(87) US2016021895
22.09.2016
(22) 11.03.2016
(54) INTERACTIVE REFORMULATION OF SPEECH QUERIES
(73) Microsoft Technology Licensing, LLC
(72) DUMOULIN, Benoit
AHMADI, Ali
PARTHASARATHY, Sarangarajan
CRASWELL, Nick
OZERTEM, Umut
SHOKOUHI, Milad
RAGHUNATHAN, Karthik
JONES, Rosie
(31) 201514657568
(32) 13.03.2015
(33) United States of America

(51) G10L 15/22
G06F 9/451
(11) EP3324289
(21) EP17200899.7
(47) 08.01.2020
(22) 09.11.2017
(54) CONTEXTUAL CONVERSATION MODE FOR DIGITAL ASSISTANT
(73) Lenovo (Singapore) Pte. Ltd.
(72) VanBlon, Russell Speight
Weksler, Arnold S.
Mese, John Carl
Peterson, Nathan J.
(31) 201615355758
(32) 18.11.2016
(33) United States of America

(51) G10L 15/26
G10L 21/0272
(11) EP2587481
(21) EP13151978.7
(47) 08.01.2020
(22) 22.09.2003
(54) Controlling an apparatus based on speech
(73) Nuance Communications, Inc.
(72) Vignoli, Fabio
(31) 02079421
(32) 23.10.2002
(33) European Patent Office (EPO)

(51) G10L 19/00
G10L 19/02
G10L 21/02
(11) EP3223276
(21) EP17160981.1
(47) 08.01.2020
(22) 20.11.2009
(54) METHODS, APPARATUSES AND SYSTEM FOR ENCODING AND DECODING SIGNAL
(73) Huawei Technologies Co., Ltd.
(72) Miao, Lei
Liu, Zexin
Chen, Longyin
Hu, Chen
Xiao, Wei
Taddei, Herve Marcel
Zhang, Qing
(31) 200810239451
(32) 10.12.2008
(33) China

(51) G10L 19/008
(11) EP3255632
(21) EP15884409.2
(47) 08.01.2020
(87) CN2015095090
15.09.2016
(22) 20.11.2015
(54) METHOD AND APPARATUS FOR DETERMINING TIME DIFFERENCE PARAMETER AMONG SOUND CHANNELS
(73) Huawei Technologies Co. Ltd.
(72) ZHANG, Xingtao
MIAO, Lei
(31) 201510103379
(32) 09.03.2015
(33) China

(51) G10L 19/008
(11) EP3444815
(21) EP18197144.1
(47) 08.01.2020
(22) 26.11.2014
(54) MULTIPLET-BASED MATRIX MIXING FOR HIGH-CHANNEL COUNT MULTICHANNEL AUDIO
(73) DTS, Inc.
(72) FEJZO, Zoran
THOMPSON, Jeffrey
(31) 201361909841 P
201414447516
(32) 27.11.2013
30.07.2014
(33) United States of America
United States of America

(51) G10L 19/008
G10L 19/02
(11) EP3405949
(21) EP17700707.7
(47) 08.01.2020
(87) EP2017051214
27.07.2017
(22) 20.01.2017
(54) APPARATUS AND METHOD FOR ESTIMATING AN INTER-CHANNEL TIME DIFFERENCE
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) BAYER, Stefan
FOTOPOULOU, Eleni
MULTRUS, Markus
FUCHS, Guillaume
RAVELLI, Emmanuel
SCHNELL, Markus
DÖHLA, Stefan
JÄGERS, Wolfgang
DIETZ, Martin
MARKOVIC, Goran
(31) 16152453
16152450
(32) 22.01.2016
22.01.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) G10L 19/02
G10L 19/26
(11) EP3125243
(21) EP15768907.6
(47) 08.01.2020
(87) JP2015058608
01.10.2015
(22) 20.03.2015
(54) AUDIO DECODING DEVICE, AUDIO ENCODING DEVICE, AUDIO DECODING METHOD, AUDIO ENCODING METHOD,

AUDIO DECODING PROGRAM, AND AUDIO ENCODING PROGRAM
(73) NTT Docomo, Inc.
(72) KIKUIRI, Kei
YAMAGUCHI, Atsushi
(31) 2014060650
(32) 24.03.2014
(33) Japan

(51) G11B 15/60
(11) EP3063763
(21) EP14792947.5
(47) 08.01.2020
(87) US2014060631
07.05.2015
(22) 15.10.2014
(54) TAPE GUIDE ROLLER WITH SERPENTINE FLANGES
(73) Oracle International Corporation
(72) COBURN, Peter R.
VANDERHEYDEN, William J.
(31) 201314068315
(32) 31.10.2013
(33) United States of America

(51) G11B 20/10
G11B 27/02
(11) EP2862171
(21) EP13806659.2
(47) 08.01.2020
(87) US2013045044
27.12.2013
(22) 10.06.2013
(54) SYSTEM AND METHOD FOR SELECTIVE REMOVAL OF AUDIO CONTENT FROM A MIXED AUDIO RECORDING
(73) Google LLC
(72) LAROSA, Christopher
KVAALEN, Sam
WALTERS, Thomas Chadwick
LYON, Richard Francis
GLICKSTEIN, Robert Steven
DOSHI, Rushabh Ashok
NIX, Molly Castle
TOFF, Jason Matthew
(31) 201261661225 P
201213730076
(32) 18.06.2012
28.12.2012
(33) United States of America
United States of America

(51) G11B 20/12
G11B 20/18
G11B 27/32
(11) EP1714283
(21) EP05726441.8
(47) 08.01.2020
(87) KR2005000377
25.08.2005
(22) 07.02.2005
(54) WRITE-ONCE DISC, RECORDING AND REPRODUCING APPARATUS
(73) Samsung Electronics Co., Ltd.
(72) HWANG, Sung-Hee
KO, Jung-Wan
(31) 2004009836
2004106538
(32) 14.02.2004
15.12.2004
(33) Korea (Republic)
Korea (Republic)

(51) G11B 33/12
H05K 7/20
(11) EP2549847
(21) EP12175018.6
(47) 08.01.2020
(22) 04.07.2012
(54) A storage system and a method of cooling storage media within a data storage system
(73) XYRATEX TECHNOLOGY LIMITED
(72) Davis, David Michael
Worrall, Alexander Carl
(31) 201113189068
(32) 22.07.2011
(33) United States of America

(51) G11C 5/02
G11C 5/06
G11C 7/10
G11C 11/4074
G11C 11/4076
G11C 11/4097
H01L 23/00
H01L 25/065
H01L 27/06
(11) EP2901456
(21) EP13842683.8
(47) 08.01.2020
(87) US2013045218
03.04.2014
(22) 11.06.2013
(54) 3D MEMORY CONFIGURABLE FOR PERFORMANCE AND POWER
(73) Intel Corporation
(72) SARASWAT, Ruchir
GRIES, Matthias
(31) 201213626720
(32) 25.09.2012
(33) United States of America

(51) G11C 5/02
G11C 5/06
G11C 7/18
G11C 8/10
G11C 8/12
G11C 8/14
G11C 13/00
(11) EP2946385
(21) EP13871450.6
(47) 08.01.2020
(87) US2013022262
24.07.2014
(22) 18.01.2013
(54) INTERCONNECTION ARCHITECTURE FOR MULTILAYER CIRCUITS
(73) Hewlett Packard Enterprise Development LP
(72) ROBINETT, Warren

(51) G11C 7/06
G11C 7/10
G11C 11/4091
G11C 15/04
(11) EP3127120
(21) EP15774178.6
(47) 08.01.2020
(87) US2015022636
08.10.2015
(22) 26.03.2015
(54) APPARATUSES AND METHODS FOR COMPARING DATA PATTERNS IN MEMORY
(73) Micron Technology, Inc.
(72) MANNING, Troy, A.
(31) 201461972621 P
201462008149 P
201514667868
(32) 31.03.2014
05.06.2014
25.03.2015
(33) United States of America
United States of America
United States of America

(51) G11C 8/08
G11C 8/12
G11C 8/14
G11C 17/16
G11C 17/18
(11) EP3424051
(21) EP17706385.6
(47) 08.01.2020
(87) US2017017725
08.09.2017
(22) 13.02.2017
(54) SYSTEM AND METHOD FOR REDUCING PROGRAMMING VOLTAGE STRESS ON MEMORY CELL DEVICES
(73) Qualcomm Incorporated
(72) YOON, Sei Seung
KOTA, Anil
GRUBELICH, Bjorn
(31) 201615061882
(32) 04.03.2016
(33) United States of America

(51) G11C 11/56
G11C 13/00
G11C 29/02
(11) EP3180789
(21) EP15832126.5
(47) 08.01.2020
(87) US2015034290
18.02.2016
(22) 04.06.2015
(54) THRESHOLD VOLTAGE EXPANSION
(73) Intel Corporation
(72) PANDEY, Abhinav
BELGAL, Hanmant P.
DAMLE, Prashant S.
KRIPANIDHI, Arjun
URIBE, Sebastian T.
LY-GAGNON, Dany-Sebastien
RANGAN, Sanjay
PANGAL, Kiran
(31) 201414461154
(32) 15.08.2014
(33) United States of America

(51) G16B 5/20
G16B 45/00
(11) EP2564340
(21) EP11777686.4
(47) 08.01.2020
(87) US2011000752
10.11.2011
(22) 29.04.2011
(54) PATHWAY RECOGNITION ALGORITHM USING DATA INTEGRATION ON GENOMIC MODELS (PARADIGM)

(73) The Regents of the University of California
(72) VASKE, Charles, J.
BENZ, Stephen, C.
STUART, Joshua, M.
HAUSSLER, David
(31) 343575 P
(32) 29.04.2010
(33) United States of America

(51) G16H 40/20
(11) EP3173960
(21) EP16200575.5
(47) 08.01.2020
(22) 24.11.2016
(54) SYSTEMS AND METHODS FOR AUTOMATED AND CENTRALIZED REAL-TIME EVENT DETECTION AND COMMUNICATION
(73) TeleTracking Technologies, Inc.
(72) Mancine, Nathan
Rovnan, John
(31) 201562259344 P
(32) 24.11.2015
(33) United States of America

(51) H01B 1/22
H01L 21/3213
H01L 51/00
H01L 51/52
(11) EP3054456
(21) EP15193012.0
(47) 08.01.2020
(22) 04.11.2015
(54) CONDUCTOR AND METHOD OF MANUFACTURING THE SAME
(73) Samsung Electronics Co., Ltd.
(72) YUN, Dongjin
PARK, Sunghoon
KIM, Seong Heon
LEE, Hyangsook
PAEK, Woon Jung
KWON, Youngnam
KIM, Yongsu
CHUNG, Jaegwan
(31) 20150016716
(32) 03.02.2015
(33) Korea (Republic)

(51) H01B 7/40
H01B 11/18
H01R 4/02
H01R 9/05
H01R 43/02
H01R 101/00
(11) EP2948961
(21) EP13872828.2
(47) 08.01.2020
(87) US2013069414
31.07.2014
(22) 11.11.2013
(54) SOLDERED CONNECTOR AND CABLE INTERCONNECTION METHOD
(73) CommScope Technologies LLC
(72) PAYNTER, Jeffrey
FLEMING, James
(31) 201313749037
(32) 24.01.2013
(33) United States of America

(51) H01F 3/06
H01F 27/25
H01F 41/02
H01Q 7/06
(11) EP3192084
(21) EP15757324.7
(47) 08.01.2020
(87) IB2015001238
17.03.2016
(22) 24.07.2015
(54) FLEXIBLE SOFT MAGNETIC CORE, ANTENNA WITH FLEXIBLE SOFT MAGNETIC CORE AND METHOD FOR PRODUCING A FLEXIBLE SOFT MAGNETIC CORE
(73) Premo, S.A.
(72) NAVARRO PEREZ, Francisco Ezequiel
ROJAS CUEVAS, Antonio
(31) 14003109
(32) 09.09.2014
(33) European Patent Office (EPO)

(51) H01F 3/14
H01F 17/06
H01F 27/255
H01F 27/26
H01F 41/02
(11) EP3306630
(21) EP16803438.7
(47) 08.01.2020
(87) JP2016066367
08.12.2016
(22) 02.06.2016
(54) METHOD OF CUTTING MOLDED CORES USED FOR COIL COMPONENTS
(73) SHT Corporation Limited
(72) INOUE, Masafumi
TAKAHASHI, Yasuomi
IMANISHI, Tsunetsugu
YOSHIMORI, Hitoshi
(31) 2015113163
(32) 03.06.2015
(33) Japan

(51) H01F 5/00
(11) EP3012846
(21) EP14813582.5
(47) 08.01.2020
(87) CN2014078242
24.12.2014
(22) 23.05.2014
(54) PCB ROGOWSKI COIL
(73) Beijing Inhand Networks Technology Co., Ltd.
(72) TANG, Xianwu
ZHANG, Jianliang
(31) 201310239226
201310289012
201310318279
201310318277
(32) 18.06.2013
11.07.2013
26.07.2013
26.07.2013
(33) China
China
China
China

(51) H01F 7/06
(11) EP2747095
(21) EP13191453.3
(47) 08.01.2020
(22) 04.11.2013
(54) Solenoid valve and method for producing a solenoid valve
(73) Robert Bosch GmbH
(72) Krause, Michael
Olems, Lars
Horn, Matthias
Rettich, Andreas
(31) 102012224240
(32) 21.12.2012
(33) Germany

(51) H01F 7/08
H01F 7/16
(11) EP3131103
(21) EP16183416.3
(47) 08.01.2020
(22) 09.08.2016
(54) SOLENOID ACTUATOR
(73) Hamilton Sundstrand Corporation
(72) GIERAS, Jacek F.
ROZMAN, Gregory I.
(31) 201514822695
(32) 10.08.2015
(33) United States of America

(51) H01F 17/04
H01F 27/02
H01F 27/30
H01F 27/32
(11) EP3289598
(21) EP16720785.1
(47) 08.01.2020
(87) EP2016059352
03.11.2016
(22) 27.04.2016
(54) AN INDUCTIVE DEVICE, A COIL FORMER AND A MANUFACTURING METHOD
(73) Höganäs AB (publ)
(72) AF EKSTRÖM, Fredrik
(31) 15165748
(32) 29.04.2015
(33) European Patent Office (EPO)

(51) H01F 17/04
H01F 27/24
H01F 27/255
H01F 27/26
H01F 27/28
H01F 27/29
H01F 27/32
H01F 27/36
H01F 37/00
H01L 49/02
(11) EP3288049
(21) EP16782949.8
(47) 08.01.2020
(87) JP2016059910
27.10.2016
(22) 28.03.2016
(54) SURFACE MOUNTABLE REACTOR AND METHOD FOR FABRICATING THE SAME
(73) Hitachi Metals, Ltd.
(72) SAKAGUCHI, Mutsuhito
ITOH, Akira
ZENITANI, Ryouji
(31) 2015088388
(32) 23.04.2015
(33) Japan

(51) H01F 27/02

H01F 38/24
(11) EP3335230
(21) EP16744576.6
(47) 08.01.2020
(87) PL2016000066
16.02.2017
(22) 27.06.2016
(54) SINGLE-POLE VOLTAGE TRANSFORMER
(73) ABB Schweiz AG
(72) CHORZEPA, Jaroslaw
LISZEWSKI, Piotr
(31) 12430915 U
(32) 10.08.2015
(33) Poland

(51) H01F 27/02
H01F 38/26
(11) EP3335229
(21) EP16744575.8
(47) 08.01.2020
(87) PL2016000065
16.02.2017
(22) 24.06.2016
(54) DOUBLE-POLE VOLTAGE TRANSFORMER
(73) ABB Schweiz AG
(72) LISZEWSKI, Piotr
CHORZEPA, Jaroslaw
(31) 12431015 U
(32) 10.08.2015
(33) Poland

(51) H01F 27/10
H01F 27/28
(11) EP2966659
(21) EP15175715.0
(47) 08.01.2020
(22) 07.07.2015
(54) LIQUID COOLED INDUCTORS
(73) Hamilton Sundstrand Corporation
(72) PAL, Debabrata
(31) 201414324972
(32) 07.07.2014
(33) United States of America

(51) H01G 2/14
H01G 2/18
H01G 4/38
H01G 4/40
H02J 3/18
G06F 1/32
(11) EP2960912
(21) EP14753712.0
(47) 08.01.2020
(87) CN2014072349
28.08.2014
(22) 21.02.2014
(54) INTELLIGENT SWITCH CAPACITOR
(73) GYRK International Technology Co. Ltd
(72) WANG, Hai
(31) 201320081778 U
(32) 22.02.2013
(33) China

(51) H01G 9/022
H01G 9/035
H01G 9/145
H01M 10/42
H01M 10/052
H01M 10/0525
H01M 10/0565
H01M 10/0567
H01M 10/0568
H01M 10/0569
H01G 11/60
(11) EP2535975
(21) EP11742323.6
(47) 08.01.2020
(87) JP2011052934
18.08.2011
(22) 10.02.2011
(54) NONAQUEOUS ELECTROLYTE SOLUTION, AND LITHIUM ION SECONDARY BATTERY USING SAME
(73) Envision AESC Energy Devices Ltd.
(72) KANEKO, Shinako
ISHIKAWA, Hitoshi
HASHIZUME, Yoko
SUZUKI, Eiji
(31) 2010027056
(32) 10.02.2010
(33) Japan

(51) H01H 1/36
H01H 1/60
H01H 9/00
(11) EP3234971
(21) EP15801397.9
(47) 08.01.2020
(87) EP2015077676
23.06.2016
(22) 25.11.2015
(54) METHOD FOR CLEANING AN ON-LOAD TAP CHANGER, AND ON-LOAD TAP CHANGER
(73) Maschinenfabrik Reinhausen GmbH
(72) ZERR, Eduard
SCHMEISSER, Michael
SCHMID, Sebastian
(31) 102014118715
(32) 16.12.2014
(33) Germany

(51) H01H 9/08
H01H 13/04
H01H 19/04
H02B 1/044
(11) EP3319101
(21) EP17200062.2
(47) 08.01.2020
(22) 06.11.2017
(54) LOCKING STRUCTURE OF SWITCH DEVICE
(73) Switchlab Inc.
Switchlab (Shanghai) Co., Ltd.
(72) WU, Chih-Yuan
HSU, Wen-Bing
(31) 105136118
(32) 07.11.2016
(33) Taiwan, Province of China

(51) H01J 9/22
H01J 29/46
H01J 61/06
H01J 61/46
H01J 61/52
H01J 63/02
H01J 63/04
H01J 63/06
(11) EP3229258
(21) EP15864973.1
(47) 08.01.2020
(87) JP2015001662
09.06.2016
(22) 24.03.2015
(54) LIGHTING DEVICE AND LIGHTING DEVICE MANUFACTURING METHOD
(73) Kamahara, Masataka
(72) Kamahara, Masataka
(31) 2014243826
(32) 02.12.2014
(33) Japan

(51) H01J 27/18
(11) EP2652766
(21) EP11811099.8
(47) 08.01.2020
(87) FR2011052961
21.06.2012
(22) 13.12.2011
(54) ELECTRONIC CYCLOTRONIC RESONANCE ION SOURCE
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) DELFERRIERE, Olivier
TUSKE, Olivier
HARRAULT, Francis
(31) 1060578
(32) 15.12.2010
(33) France

(51) H01J 37/147
H01J 37/153
H01J 37/22
H01J 37/244
H01J 37/28
(11) EP3447788
(21) EP18190202.4
(47) 18.12.2019
(22) 22.08.2018
(54) ABERRATION MEASUREMENT METHOD AND ELECTRON MICROSCOPE
(73) JEOL Ltd.
(72) KOHNO, Yuji
NAKAMURA, Akiho
(31) 2017161195
(32) 24.08.2017
(33) Japan

(51) H01J 45/00
H01L 35/02
H02N 3/00
(11) EP3407374
(21) EP18158146.3
(47) 08.01.2020
(22) 22.02.2018
(54) POWER GENERATION DEVICE FOR GENERATING ELECTRICITY USING HEAT
(73) KABUSHIKI KAISHA TOSHIBA
(72) KIMURA, Shigeya
MIZUGUCHI, Koji
(31) 2017101164
(32) 22.05.2017
(33) Japan

(51) H01J 49/04
H01J 49/10
(11) EP2987177
(21) EP14784995.4
(47) 08.01.2020
(87) CA2014050387
23.10.2014

(22) 17.04.2014
(54) SAMPLE ANALYSIS FOR MASS CYTOMETRY
(73) Fluidigm Canada Inc.
(72) LOBODA, Alexandre
(31) 201361812893 P
(32) 17.04.2013
(33) United States of America

(51) H01J 49/06
(11) EP2866248
(21) EP14199030.9
(47) 08.01.2020
(22) 22.09.2008
(54) Ion guiding device
(73) Micromass UK Limited
(72) Giles, Kevin
(31) 0718468
988107 P
(32) 21.09.2007
15.11.2007
(33) United Kingdom
United States of America

(51) H01L 21/02
H01L 21/205
H01L 33/00
H01L 33/12
(11) EP2544250
(21) EP11750532.1
(47) 08.01.2020
(87) JP2011054008
09.09.2011
(22) 23.02.2011
(54) PROCESS FOR PRODUCTION OF NITRIDE SEMICONDUCTOR ELEMENT, NITRIDE SEMICONDUCTOR LIGHT-EMITTING ELEMENT, AND LIGHT-EMITTING DEVICE
(73) Sharp Kabushiki Kaisha
(72) ARAKI, Masahiro
UTSUMI, Takaaki
SAKATA, Masahiko
(31) 2010044343
(32) 01.03.2010
(33) Japan

(51) H01L 21/02
H01L 21/28
H01L 21/3105
H01L 21/3213
H01L 29/423
H01L 29/788
H01L 27/11519
H01L 27/11556
H01L 27/11582
(11) EP3227920
(21) EP15779150.0
(47) 08.01.2020
(87) US2015053584
09.06.2016
(22) 01.10.2015
(54) SELECTIVE FLOATING GATE SEMICONDUCTOR MATERIAL DEPOSITION IN A THREE-DIMENSIONAL MEMORY STRUCTURE
(73) SanDisk Technologies LLC
(72) KAMIYA, Hiroyuki
YAMAGUCHI, Kensuke
(31) 201414560351
(32) 04.12.2014
(33) United States of America

(51) H01L 21/02
H01L 21/311
H01L 21/3115
H01L 21/8234
H01L 21/8238
H01L 29/66
H01L 29/786
(11) EP3107125
(21) EP16174868.6
(47) 08.01.2020
(22) 16.06.2016
(54) METHOD FOR FORMING SPACERS OF A TRANSISTOR GATE
(73) COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES
(72) POSSEME, Nicolas
(31) 1555667
(32) 19.06.2015
(33) France

(51) H01L 21/02
H01L 21/762
H01L 41/312
(11) EP3306645
(21) EP16803412.2
(47) 08.01.2020
(87) JP2016066284
08.12.2016
(22) 01.06.2016
(54) METHOD FOR PRODUCING COMPOSITE WAFER PROVIDED WITH OXIDE SINGLE-CRYSTAL THIN FILM
(73) Shin-Etsu Chemical Co., Ltd.
(72) AKIYAMA, Shoji
KAWAI, Makoto
(31) 2015112334
(32) 02.06.2015
(33) Japan

(51) H01L 21/20
H01L 21/336
H01L 29/786
H01L 51/10
(11) EP3179517
(21) EP15845490.0
(47) 08.01.2020
(87) JP2015076659
31.03.2016
(22) 18.09.2015
(54) ORGANIC FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING ORGANIC SEMICONDUCTOR CRYSTAL
(73) Fujifilm Corporation
(72) NIORI Teruki
(31) 2014194675
2015075612
(32) 25.09.2014
02.04.2015
(33) Japan
Japan

(51) H01L 21/288
H01L 21/48
H01L 21/50
H01L 21/56
H01L 23/00
H01L 23/28
H01L 23/31
H01L 23/495
H01L 23/50
H01L 25/065
(11) EP3128539
(21) EP14835686.8
(47) 08.01.2020
(87) JP2014058815
01.10.2015
(22) 27.03.2014
(54) SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE
(73) Renesas Electronics Corporation
(72) MAKINO, Yasutomo

(51) H01L 21/329
H01L 21/822
H01L 27/04
H01L 29/739
H01L 29/78
H01L 29/861
H01L 29/866
H01L 29/868
(11) EP2835828
(21) EP13852697.5
(47) 08.01.2020
(87) JP2013080301
15.05.2014
(22) 08.11.2013
(54) SEMICONDUCTOR DEVICE AND SEMICONDUCTOR DEVICE FABRICATION METHOD
(73) Fuji Electric Co., Ltd.
(72) NAITO, Tatsuya
(31) 2012246017
2013213270
(32) 08.11.2012
11.10.2013
(33) Japan
Japan

(51) H01L 21/336
H01L 29/786
(11) EP3297031
(21) EP15885767.2
(47) 08.01.2020
(87) CN2015091545
17.11.2016
(22) 09.10.2015
(54) THIN-FILM TRANSISTOR, ARRAY SUBSTRATE AND PREPARATION METHODS THEREFOR, AND DISPLAY DEVICE
(73) BOE Technology Group Co., Ltd.
South China University of Technology
(72) YUAN, Guangcai
YAN, Liangchen
XU, Xiaoguang
WANG, Lei
PENG, Junbiao
LAN, Linfeng
(31) 201510236824
(32) 11.05.2015
(33) China

(51) H01L 21/48
(11) EP3384524
(21) EP16805356.9
(47) 08.01.2020
(87) EP2016078998
08.06.2017
(22) 28.11.2016

(54) METHOD FOR THE PRODUCTION OF A CONNECTING ELEMENT, CONNECTING ELEMENT, AND SENSOR ARRANGEMENT
(73) Continental Teves AG & Co. OHG
(72) HUBER, Dietmar
RAUKOPF, Svenja
SCHILLINGER, Jakob
THROM, Martin
(31) 102015223775
(32) 30.11.2015
(33) Germany

(51) H01L 21/48
H01L 21/768
H01L 23/00
H01L 23/48
H01L 23/498
(11) EP2546868
(21) EP11752975.0
(47) 08.01.2020
(87) JP2011000864
15.09.2011
(22) 17.02.2011
(54) PROCESS FOR PRODUCTION OF SEMICONDUCTOR DEVICE
(73) Invensas Corporation
(72) MURAGISHI, Isao
KAI, Takayuki
SAITO, Daishiro
YAMAMOTO, Daisuke
KOIWASAKI, Takeshi
(31) 2010051516
(32) 09.03.2010
(33) Japan

(51) H01L 21/48
H01L 23/00
H01L 23/10
H01L 51/44
H01L 51/52
H01L 51/56
(11) EP3017464
(21) EP14747849.9
(47) 08.01.2020
(87) EP2014063868
08.01.2015
(22) 30.06.2014
(54) OPTOELECTRONIC DEVICE AND ITS MANUFACTURING METHOD
(73) OSRAM OLED GmbH
(72) BAISL, Richard
KEFES, Christoph
POPP, Michael
(31) 102013106937
(32) 02.07.2013
(33) Germany

(51) H01L 21/48
H01L 23/538
(11) EP3143640
(21) EP15722828.9
(47) 08.01.2020
(87) US2015027806
19.11.2015
(22) 27.04.2015
(54) SUBSTRATE AND METHOD OF FORMING THE SAME
(73) Qualcomm Incorporated
(72) JOMAA, Houssam Wafic
BCHIR, Omar James
KANG, Kuiwon
KIM, Chin-Kwan
(31) 201414276763
(32) 13.05.2014
(33) United States of America

(51) H01L 21/677
(11) EP2245656
(21) EP09708576.5
(47) 08.01.2020
(87) IB2009050457
13.08.2009
(22) 05.02.2009
(54) AUTOMATIC HANDLING BUFFER FOR BARE STOCKER
(73) Dynamic Micro Systems
(72) REBSTOCK, Lutz
(31) 25752
25769
(32) 05.02.2008
05.02.2008
(33) United States of America
United States of America

(51) H01L 21/677
(11) EP2062287
(21) EP07804779.2
(47) 08.01.2020
(87) IB2007002371
28.02.2008
(22) 19.08.2007
(54) BUFFER STATION FOR STOCKER SYSTEM
(73) Dynamic Micro Systems
(72) REBSTOCK, Lutz
(31) 838594 P
881091
881093
(32) 19.08.2006
25.07.2007
25.07.2007
(33) United States of America
United States of America
United States of America

(51) H01L 21/683
H01L 21/687
(11) EP2915189
(21) EP13793014.5
(47) 08.01.2020
(87) US2013067301
08.05.2014
(22) 29.10.2013
(54) ELECTROSTATIC CHUCK WITH PHOTO-PATTERNABLE SOFT PROTRUSION CONTACT SURFACE
(73) Entegris, Inc.
(72) LIN, I-kuan
COOKE, Richard, A.
RYBCZYNSKI, Jakub
(31) 201213667516
(32) 02.11.2012
(33) United States of America

(51) H01L 21/761
H01L 21/762
H01L 27/02
H01L 27/04
H01L 29/06
H01L 29/45
H01L 29/87
(11) EP3072154
(21) EP13897742.6
(47) 08.01.2020
(87) IB2013002896
28.05.2015
(22) 22.11.2013
(54) ELECTROSTATIC DISCHARGE PROTECTION CIRCUITS AND STRUCTURES AND METHODS OF MANUFACTURE
(73) NXP USA, Inc.
(72) BESSE, Patrice
LAINE, Jean Philippe
ROLLAND, Eric Pierre

(51) H01L 21/761
H01L 21/765
H01L 21/8234
H01L 27/088
H01L 29/06
H01L 29/08
H01L 29/40
H01L 29/423
H01L 29/78
(11) EP2782130
(21) EP12850565.8
(47) 08.01.2020
(87) JP2012079435
23.05.2013
(22) 13.11.2012
(54) HIGH-VOLTAGE-RESISTANCE SEMICONDUCTOR DEVICE
(73) Fuji Electric Co., Ltd.
(72) YAMAJI, Masaharu
SUMIDA, Hitoshi
(31) 2011248375
(32) 14.11.2011
(33) Japan

(51) H01L 21/762
(11) EP2893559
(21) EP13782821.6
(47) 08.01.2020
(87) IB2013001906
13.03.2014
(22) 03.09.2013
(54) METHOD FOR MANUFACTURING A STRUCTURE WITH A VIEW TO SUBSEQUENT SEPARATION
(73) Soitec
(72) LANDRU, Didier
(31) 1258394
(32) 07.09.2012
(33) France

(51) H01L 21/768
H01L 23/48
(11) EP3048642
(21) EP15161244.7
(47) 08.01.2020
(22) 27.03.2015
(54) SEMICONDUCTOR PACKAGE STRUCTURE AND METHOD FOR FORMING THE SAME
(73) MediaTek, Inc
(72) Hung, Cheng-Chou
Yang, Ming-Tzong
Lee, Tung-Hsing
Huang, Wei-Che
Huang, YU-Hua
Lin, Tzu-Hung
(31) 201514601440

(32) 21.01.2015
(33) United States of America

(51) H01L 21/78
H01L 33/00
B23K 26/00
(11) EP3355366
(21) EP18153358.9
(47) 08.01.2020
(22) 25.01.2018
(54) METHOD OF MANUFACTURING A LIGHT EMITTING ELEMENT
(73) NICHIA CORPORATION
(72) Inoue, Naoto
Sumitomo, Yoshitaka
(31) 2017012028
(32) 26.01.2017
(33) Japan

(51) H01L 21/84
H01L 27/06
(11) EP2562802
(21) EP12181068.3
(47) 08.01.2020
(22) 20.08.2012
(54) Method for producing a three-dimensional integrated circuit
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(72) Previtali, Bernard
(31) 1157531
(32) 25.08.2011
(33) France

(51) H01L 23/00
H01L 23/12
H01L 23/13
H01L 23/24
H01L 23/498
H05K 1/02
H05K 1/11
H05K 3/24
H05K 3/34
H05K 3/46
(11) EP3030060
(21) EP14832154.0
(47) 08.01.2020
(87) JP2014070141
05.02.2015
(22) 30.07.2014
(54) WIRING BASE PLATE AND ELECTRONIC DEVICE
(73) Kyocera Corporation
(72) KAWASAKI,Kouichi
(31) 2013157862
(32) 30.07.2013
(33) Japan

(51) H01L 23/31
H01L 23/498
H01L 23/66
H01Q 1/22
H01Q 1/48
H01Q 7/00
H01Q 9/26
(11) EP2689492
(21) EP12714432.7
(47) 08.01.2020
(87) US2012030166
27.09.2012
(22) 22.03.2012
(54) INTEGRATED CIRCUIT WITH ELECTROMAGNETIC COMMUNICATION
(73) Keyssa, Inc.
(72) KYLES, Ian, A.
MCCORMACK, Gary, D.
(31) 201161467334 P
(32) 24.03.2011
(33) United States of America

(51) H01L 23/495
H01L 23/498
H01L 23/552
H01L 25/065
H01L 29/20
H01L 29/778
H01L 29/78
(11) EP3168871
(21) EP15194122.6
(47) 08.01.2020
(22) 11.11.2015
(54) SEMICONDUCTOR DEVICE AND A METHOD OF MAKING A SEMICONDUCTOR DEVICE
(73) Nexperia B.V.
(72) Croon, Jeroen
Tak, Coenraad Cornelis

(51) H01L 23/535
H01L 29/20
H01L 29/417
H01L 29/423
H01L 29/778
(11) EP2946406
(21) EP14705871.3
(47) 08.01.2020
(87) IB2014058300
24.07.2014
(22) 15.01.2014
(54) MULTICHANNEL TRANSISTOR
(73) Visic Technologies Ltd.
(72) BUNIN, Gregory
BAKSHT, Tamara
(31) 201361752647 P
(32) 15.01.2013
(33) United States of America

(51) H01L 25/075
H01L 27/15
H01L 33/00
H01L 33/60
F21K 9/00
F21K 9/90
(11) EP2737534
(21) EP12753701.7
(47) 08.01.2020
(87) EP2012066542
28.03.2013
(22) 24.08.2012
(54) LED LIGHT-EMITTING MODULE AND A METHOD FOR MANUFACTURING THE SAME
(73) OSRAM GmbH
(72) CHEN, Peng
LIU, Tingming
MING, Yusheng
ZHONG, Chuanpeng
(31) 201110283505
(32) 22.09.2011
(33) China

(51) H01L 25/075
H01L 33/50
F21K 9/64
F21K 99/00
(11) EP3382755
(21) EP18167770.9
(47) 08.01.2020
(22) 04.04.2013
(54) WHITE LIGHT EMITTING MODULE
(73) Signify Holding B.V.
(72) PEETERS, Martinus Petrus Joseph
DE BEER, Esther
VAN KAATHOVEN, Dirk Jan
OEPTS, Wouter
GIELEN, Herman Johannes Gertrudis
(31) 201261621046 P
12163539
13159589
(32) 06.04.2012
10.04.2012
15.03.2013
(33) United States of America
European Patent Office (EPO)
European Patent Office (EPO)

(51) H01L 25/075
H01L 33/50
H01L 33/56
H01L 33/64
(11) EP3289619
(21) EP16725753.4
(47) 08.01.2020
(87) AT2016050113
03.11.2016
(22) 27.04.2016
(54) LED MODULE WITH IMPROVED HEAT DISSIPATION
(73) Tridonic Jennersdorf GmbH
(72) PACHLER, Peter
(31) 202015102142 U
202015105428 U
(32) 29.04.2015
14.10.2015
(33) Germany
Germany

(51) H01L 25/075
H05B 33/08
H01L 33/58
H01L 33/64
(11) EP2304817
(21) EP09750906.1
(47) 08.01.2020
(87) US2009001628
26.11.2009
(22) 13.03.2009
(54) White light emitting package comprising LED array
(73) Cree, Inc.
(72) YUAN, Thomas
KELLER, Bernd
IBBETSON, James
TARSA, Eric, J.
NEGLEY, Gerald
(31) 154691
(32) 23.05.2008
(33) United States of America

(51) H01L 27/02
(11) EP2442359
(21) EP11185418.8
(47) 08.01.2020

(22) 17.10.2011
(54) Area-efficient high voltage bipolar ESD protection device
(73) NXP USA, Inc.
(72) Gendron, Amaury
Gill, Chai Ean
Kushner, Vadim A.
Zhan, Rouying
(31) 944931
(32) 12.10.2010
(33) United States of America

(51) H01L 27/02
H01L 27/092
H01L 27/118
H01L 29/94
H03K 19/00
H03K 19/003
H03K 19/177
(11) EP3485512
(21) EP17745907.0
(47) 08.01.2020
(87) US2017041721
18.01.2018
(22) 12.07.2017
(54) A STANDARD CELL ARCHITECTURE FOR REDUCED LEAKAGE CURRENT AND IMPROVED DECOUPLING CAPACITANCE
(73) Qualcomm Incorporated
(72) SAHU, Satyanarayana
CHEN, Xiangdong
VILANGUDIPITCHAI, Ramaprasath
KUMAR, Dorav
(31) 201615209650
(32) 13.07.2016
(33) United States of America

(51) H01L 27/02
H01L 27/32
G09G 3/3208
(11) EP2677542
(21) EP13172565.7
(47) 08.01.2020
(22) 18.06.2013
(54) Organic light-emitting display device
(73) Samsung Display Co., Ltd.
(72) Hwang, Sung Joo
Kim, Gun Mo
(31) 20120065057
20130011934
(32) 18.06.2012
01.02.2013
(33) Korea (Republic)
Korea (Republic)

(51) H01L 27/06
H01L 27/08
H01L 27/144
H01L 27/146
H01L 29/66
H01L 29/74
H01L 31/111
(11) EP2709154
(21) EP13184152.0
(47) 08.01.2020
(22) 12.09.2013
(54) Semiconductor Device and Method for Making the Same
(73) General Electric Company
(72) Soloviev, Stanislav Ivanovich
Elasser, Ahmed
Bolotnikov, Alexander Viktorovich
Vert, Alexey
Losee, Peter Almern
(31) 201213613848
(32) 13.09.2012
(33) United States of America

(51) H01L 27/11565
H01L 27/1157
H01L 27/11582
(11) EP3161868
(21) EP15731223.2
(47) 08.01.2020
(87) US2015035779
30.12.2015
(22) 15.06.2015
(54) METHOD OF MAKING THREE DIMENSIONAL NAND DEVICE WITH CHANNEL CONTACTING CONDUCTIVE SOURCE LINE
(73) SanDisk Technologies LLC
(72) ZHANG, Yanli
SHOJI, Go
ALSMEIER, Johann
PACHAMUTHU, Jayavel
DONG, Yingda
YUAN, Jiahui
(31) 201414317274
(32) 27.06.2014
(33) United States of America

(51) H01L 27/15
H01L 33/08
H01L 33/50
(11) EP3026707
(21) EP14194818.2
(47) 08.01.2020
(22) 25.11.2014
(54) Method for manufacturing a light emitting device comprising at least one color micro-light emitting diode with high luminance
(73) Alcatel Lucent
Commissariat à l'Energie Atomique et aux Energies Alternatives
(72) Gentner, Jean-Louis
Decobert, Jean
Poisson, Marie Antoinette

(51) H01L 27/20
H01L 41/04
(11) EP3469632
(21) EP17729130.9
(47) 08.01.2020
(87) EP2017064291
21.12.2017
(22) 12.06.2017
(54) ELECTROACTIVE POLYMER ACTUATOR DEVICE AND DRIVING METHOD
(73) Koninklijke Philips N.V.
(72) HILGERS, Achim
VAN DEN ENDE, Daan, Anton
JOHNSON, Mark, Thomas
(31) 16174115
(32) 13.06.2016
(33) European Patent Office (EPO)

(51) H01L 27/20
H01L 41/107
(11) EP3469631
(21) EP17729126.7
(47) 08.01.2020
(87) EP2017064246
21.12.2017
(22) 12.06.2017
(54) ELECTROACTIVE POLYMER ACTUATOR DEVICE AND DRIVING METHOD
(73) Koninklijke Philips N.V.
(72) HILGERS, Achim
VAN DEN ENDE, Daan, Anton
JOHNSON, Mark, Thomas
VAN DE MOLENGRAAF, Roland, Alexander
(31) 16174294
(32) 14.06.2016
(33) European Patent Office (EPO)

(51) H01L 27/32
(11) EP2998997
(21) EP15185391.8
(47) 08.01.2020
(22) 16.09.2015
(54) ORGANIC LIGHT EMITTING DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME
(73) LG Display Co., Ltd.
(72) LEE, Joon Suk
LEE, Jae Sung
(31) 20140123918
20150109236
(32) 17.09.2014
31.07.2015
(33) Korea (Republic)
Korea (Republic)

(51) H01L 27/32
H01L 51/00
H01L 51/50
H01L 51/52
H01L 51/56
(11) EP2912708
(21) EP13811132.3
(47) 08.01.2020
(87) EP2013073838
01.05.2014
(22) 14.11.2013
(54) A METHOD FOR MANUFACTURING A LIGHT-EMITTING ELECTROCHEMICAL CELL
(73) LunaLEC AB
(72) SANDSTRÖM, Andreas
EDMAN, Ludvig
(31) 1251212
1251316
(32) 26.10.2012
21.11.2012
(33) Sweden
Sweden

(51) H01L 27/32
H01L 51/52
(11) EP3098853
(21) EP15190597.3
(47) 08.01.2020
(22) 20.10.2015
(54) ORGANIC LIGHT EMITTING DISPLAY APPARATUS
(73) LG Display Co., Ltd.
(72) LEE, Joonsuk
KIM, Se June
(31) 20150076678

(32) 29.05.2015
(33) Korea (Republic)

(51) H01L 29/06
H03K 3/38
(11) EP2556538
(21) EP11766454.0
(47) 08.01.2020
(87) US2011030304
13.10.2011
(22) 29.03.2011
(54) PHASE QUANTUM BIT
(73) Northrop Grumman Systems Corporation
(72) PESETSKI, Aaron A.
BAUMGARDNER, James E.
LEWIS, Rupert M.
(31) 754194
(32) 05.04.2010
(33) United States of America

(51) H01L 31/0216
H02S 40/20
(11) EP3012970
(21) EP14813121.2
(47) 08.01.2020
(87) JP2014065731
24.12.2014
(22) 13.06.2014
(54) SOLAR CELL MODULE AND METHOD FOR PRODUCING SOLAR CELL MODULE
(73) Kaneka Corporation
(72) SASAKI Toshiaki
NAKATA Toshinobu
(31) 2013127062
(32) 17.06.2013
(33) Japan

(51) H01L 31/0236
H01L 31/0352
H01L 31/068
(11) EP2351100
(21) EP09826444.3
(47) 08.01.2020
(87) US2009006119
20.05.2010
(22) 16.11.2009
(54) NANOSTRUCTURED DEVICES
(73) Bandgap Engineering, Inc.
(72) BUCHINE, Brent, A.
MODAWAR, Faris
BLACK, Marcie, R.
(31) 157386 P
250418 P
114896 P
(32) 04.03.2009
09.10.2009
14.11.2008
(33) United States of America
United States of America
United States of America

(51) H01L 31/0236
H01L 31/0747
(11) EP2980861
(21) EP13880637.7
(47) 08.01.2020
(87) JP2013082205
02.10.2014
(22) 29.11.2013
(54) SOLAR CELL
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) TSUNOMURA, Yasufumi
BABA, Toshiaki
SONE, Takayoshi
(31) 2013068683
(32) 28.03.2013
(33) Japan

(51) H01L 31/048
H01L 31/052
(11) EP2987185
(21) EP14715286.2
(47) 08.01.2020
(87) EP2014056731
23.10.2014
(22) 03.04.2014
(54) FAÇADE ELEMENT OR ROOF ELEMENT
(73) Bs2 AG
(72) BAETSCHMANN, Marc
(31) 792132013
(32) 18.04.2013
(33) Switzerland

(51) H01L 33/00
H01L 33/16
H01L 33/20
H01L 33/22
H01L 33/32
(11) EP2355184
(21) EP11152802.2
(47) 08.01.2020
(22) 31.01.2011
(54) Light emitting device, light emitting device package, and lighting system
(73) LG Innotek Co., Ltd.
(72) Kang, Dae Sung
(31) 20100010205
(32) 04.02.2010
(33) Korea (Republic)

(51) H01L 33/00
H01L 33/22
H01L 33/38
H01L 33/44
(11) EP2423985
(21) EP11178845.1
(47) 08.01.2020
(22) 25.08.2011
(54) Semiconductor light emitting element
(73) Nichia Corporation
(72) Tanaka, Hidetoshi
Emura, Keiji
(31) 2010189755
2011182683
(32) 26.08.2010
24.08.2011
(33) Japan
Japan

(51) H01L 33/00
H01L 33/48
H01L 33/54
(11) EP2551926
(21) EP12177931.8
(47) 08.01.2020
(22) 26.07.2012
(54) Light emitting diode module and method for manufacturing the same
(73) Samsung Electronics Co., Ltd.
(72) You, Jae Sung
(31) 20110074223
(32) 26.07.2011
(33) Korea (Republic)

(51) H01L 33/08
H01L 33/20
H01L 33/22
H01L 33/38
H01L 33/42
(11) EP2325903
(21) EP10189711.4
(47) 08.01.2020
(22) 20.11.2000
(54) Light emitting diode with micro-LED array for light extraction enhancement
(73) Cree, Inc.
(72) Denbaars, Steven
Thibeault, Brian
(31) 168817 P
713576
(32) 03.12.1999
14.11.2000
(33) United States of America
United States of America

(51) H01L 33/14
H01L 33/22
H01L 33/32
H01L 33/38
(11) EP2731150
(21) EP13192259.3
(47) 08.01.2020
(22) 11.11.2013
(54) Light emitting device
(73) Seoul Viosys Co., Ltd.
(72) Kim, Ye Seul
Kim, Shin Hyoung
Kim, Kyoung Wan
Yoon, Yeo Jin
Lee, Jun Woong
Kim, Tae Gyun
(31) 20120126903
(32) 09.11.2012
(33) Korea (Republic)

(51) H01L 33/20
H01L 33/38
H01L 33/40
H01L 33/44
(11) EP3125311
(21) EP16178547.2
(47) 08.01.2020
(22) 08.07.2016
(54) LIGHT EMITTING ELEMENT AND LIGHT EMITTING DEVICE HAVING THE SAME
(73) NICHIA CORPORATION
(72) TAKENAGA, Koichi
EMURA, Keiji
(31) 2015150828
2016100165
(32) 30.07.2015
19.05.2016
(33) Japan
Japan

(51) H01L 33/36
H01L 33/38
H01L 33/62
(11) EP2652804
(21) EP11849690.0
(47) 08.01.2020
(87) US2011061309

21.06.2012
(22) 18.11.2011
(54) LIGHT EMITTING DIE
(73) Micron Technology, Inc.
(72) SCHUBERT, Martin, F.
ODNOBLYUDOV, Vladimir
(31) 970726
(32) 16.12.2010
(33) United States of America

(51) H01L 33/44
H01L 33/50
H01L 33/58
H01L 33/60
H01L 33/64
(11) EP2362452
(21) EP11153927.6
(47) 08.01.2020
(22) 09.02.2011
(54) Light emitting device package and lighting system
(73) LG Innotek Co., Ltd.
(72) Hwang, Sung Min
Song, Hyun Don
Choi, Woon Kyung
(31) 20100014770
(32) 18.02.2010
(33) Korea (Republic)

(51) H01L 39/16
H01L 39/24
H01P 1/10
H03G 11/00
(11) EP3255723
(21) EP17175268.6
(47) 08.01.2020
(22) 09.06.2017
(54) ELECTRONIC DEVICE WITH RADIOFREQUENCY POWER LIMITER
(73) Thales
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
(72) D'ALLIVY KELLY, Olivier
MARCILHAC, Bruno
LEMAITRE, Yves
KERMORVANT, Julien
VILLEGAS, Javier
TRASTOY QUINTELA, Juan
(31) 1600942
(32) 09.06.2016
(33) France

(51) H01L 51/30
C01B 32/168
C01B 32/194
(11) EP3140870
(21) EP15722559.0
(47) 08.01.2020
(87) FI2015050298
12.11.2015
(22) 04.05.2015
(54) A METHOD FOR PATTERNING A PIECE OF CARBON NANOMATERIAL
(73) Jyväskylän Yliopisto
(72) PETTERSSON, Mika
JOHANSSON, Andreas
AUMANEN, Jukka
MYLLYPERKIÖ, Pasi
KOIVISTOINEN, Juha
(31) 20145408
(32) 05.05.2014
(33) Finland

(51) H01L 51/50
H01L 51/52
(11) EP3016160
(21) EP15184040.2
(47) 08.01.2020
(22) 07.09.2015
(54) WHITE ORGANIC LIGHT EMITTING DIODE AND ORGANIC LIGHT EMITTING DISPLAY DEVICE USING THE SAME
(73) LG Display Co., Ltd.
(72) PARK, Jung Soo
CHOI, Hong Seok
JOUNG, Seung Ryong
AHN, So Yeon
LEE, Min Gyu
(31) 20140147733
20140173477
(32) 28.10.2014
05.12.2014
(33) Korea (Republic)
Korea (Republic)

(51) H01L 51/52
(11) EP3373356
(21) EP18161325.8
(47) 08.01.2020
(22) 12.03.2018
(54) ORGANIC LIGHT-EMITTING DISPLAY APPARATUS AND METHOD OF MANUFACTURING THE SAME
(73) Samsung Display Co., Ltd.
(72) CHOI, Shinil
YANG, Sunghoon
(31) 20170030811
(32) 10.03.2017
(33) Korea (Republic)

(51) H01L 51/52
(11) EP2628201
(21) EP11773566.2
(47) 08.01.2020
(87) IB2011054407
19.04.2012
(22) 06.10.2011
(54) METHOD FOR MANUFACTURING AN ORGANIC ELECTRONIC DEVICE WITH ENCAPSULATION
(73) Beijing Xiaomi Mobile Software Co., Ltd.
(72) HARTMANN, Sören
SCHWAB, Holger
LIFKA, Herbert
BOERNER, Herbert, Friedrich
(31) 10187219
(32) 12.10.2010
(33) European Patent Office (EPO)

(51) H01L 51/52
(11) EP2504873
(21) EP10796485.0
(47) 08.01.2020
(87) IB2010055294
03.06.2011
(22) 19.11.2010
(54) STRENGTHENED COUNTER ELECTRODE OF ELECTROLUMINESCENT DEVICES
(73) Koninklijke Philips N.V.
(72) BOERNER, Herbert, F.
(31) 09177352
(32) 27.11.2009
(33) European Patent Office (EPO)

(51) H01L 51/52
H01L 51/56
(11) EP2893577
(21) EP13759184.8
(47) 08.01.2020
(87) EP2013068436
13.03.2014
(22) 06.09.2013
(54) ELECTRO-OPTICAL COMPONENT HAVING A QUANTUM DOT STRUCTURE
(73) Zumtobel Lighting GmbH
(72) SIEGEL, Martin
ECKBAUER, Verena
(31) 102012215792
(32) 06.09.2012
(33) Germany

(51) H01M 2/02
H01M 2/06
H01M 4/38
H01M 6/08
H01M 6/14
H01M 4/134
(11) EP3242345
(21) EP16168049.1
(47) 08.01.2020
(22) 03.05.2016
(54) LITHIUM BATTERY
(73) VARTA Microbattery GmbH
(72) Gaugler, Winfried
Siwek, Hanna
Kreidler, Bernd

(51) H01M 2/02
H01M 2/10
H01M 10/04
(11) EP2787555
(21) EP12854082.0
(47) 08.01.2020
(87) JP2012078689
06.06.2013
(22) 06.11.2012
(54) FLAT BATTERY AND METHOD FOR MANUFACTURING FLAT BATTERY
(73) Envision AESC Japan Ltd.
(72) AMAGAI, Ryuichi
OCHIAI, Kenichi
SHIBUYA, Masakazu
(31) 2011259823
(32) 29.11.2011
(33) Japan

(51) H01M 2/02
H01M 2/10
H01M 10/42
B60L 50/64
(11) EP3285313
(21) EP16873213.9
(47) 08.01.2020
(87) KR2016011979
15.06.2017
(22) 24.10.2016
(54) BATTERY MODULE AND BATTERY PACK COMPRISING SAME
(73) LG Chem, Ltd.
(72) KIM, Hwa-Joong
KANG, Tae-Young
SEONG, Jun-Yeob

YU, Sung-Chun
CHOI, Yong-Joon
(31) 20150175022
(32) 09.12.2015
(33) Korea (Republic)

(51) H01M 2/10
(11) EP3407402
(21) EP17871176.8
(47) 08.01.2020
(87) KR2017009291
24.05.2018
(22) 24.08.2017
(54) JIG SET FOR INSTALLING ENERGY STORAGE SYSTEM
(73) LG Chem, Ltd.
(72) KIM, Ki-Youn
GANG, In-Jae
SHIN, Jin-Kyu
LEE, Bum-Hyun
JO, Sang-Hyun
(31) 20160155062
(32) 21.11.2016
(33) Korea (Republic)

(51) H01M 2/10
H01M 2/12
H01M 2/20
H01M 10/04
H01M 10/52
(11) EP3249716
(21) EP17172045.1
(47) 08.01.2020
(22) 19.05.2017
(54) IN-VEHICLE BATTERY MODULE
(73) Toyota Jidosha Kabushiki Kaisha
(72) MORIOKA, Satoshi
(31) 2016103344
(32) 24.05.2016
(33) Japan

(51) H01M 2/10
H01M 2/14
H01M 2/18
H01M 2/20
H01M 2/34
H01M 10/42
(11) EP2579359
(21) EP11786856.2
(47) 08.01.2020
(87) KR2011003742
01.12.2011
(22) 21.05.2011
(54) BATTERY PACK OF COMPACT STRUCTURE
(73) LG Chem, Ltd.
(72) BANG, Seung Hyun
PARK, Young Sun
KIM, Chun Yeon
KWON, Ho Sang
(31) 20100050401
(32) 28.05.2010
(33) Korea (Republic)

(51) H01M 2/10
H01M 10/04
H01M 10/625
H01M 10/647
H01M 10/6556
(11) EP3192109
(21) EP15727382.2
(47) 08.01.2020
(87) EP2015062324
17.03.2016
(22) 03.06.2015
(54) POWER SUPPLY MODULE FOR A VOLTAGE SUPPLY APPARATUS ARRANGED IN A VEHICLE
(73) Bayerische Motoren Werke Aktiengesellschaft
(72) HUBER, Michael
HÖFLER, Thomas
IDIKURT, Tuncay
WAGNER, Daniel
MUCK, Alexander
(31) 102014218330
(32) 12.09.2014
(33) Germany

(51) H01M 2/16
H01M 10/052
H01M 10/0525
H01M 10/0565
H01M 10/0566
H01M 10/0585
H01M 10/0587
H01G 11/52
(11) EP3379602
(21) EP16866466.2
(47) 08.01.2020
(87) JP2016084327
26.05.2017
(22) 18.11.2016
(54) SEPARATOR FOR ELECTRICITY STORAGE DEVICES, ELECTRODE BODY USING SAME, AND ELECTRICITY STORAGE DEVICE
(73) ASAHI KASEI KABUSHIKI KAISHA
(72) MIYAZAWA, Hiroshi
NAKAZAWA, Masanori
IKEMI, Masatoshi
MACHIDA, Naoki
(31) 2015226590
2016163955
(32) 19.11.2015
24.08.2016
(33) Japan
Japan

(51) H01M 2/20
H01M 2/24
H01M 10/052
H01M 10/0585
(11) EP2260524
(21) EP09724652.4
(47) 08.01.2020
(87) US2009001791
01.10.2009
(22) 23.03.2009
(54) A MODULAR BATTERY, AN INTERCONNECTOR FOR SUCH BATTERIES AND METHODS RELATED TO MODULAR BATTERIES
(73) Lightening Energy
(72) CULVER, Duncan
DYER, Christopher, K.
EPSTEIN, Michael, L.
(31) 70752
(32) 24.03.2008
(33) United States of America

(51) H01M 4/02
H01M 4/62
H01M 4/66
H01M 6/48
H01M 4/13
H01M 10/052
(11) EP3276715
(21) EP16772635.5
(47) 08.01.2020
(87) JP2016059631
06.10.2016
(22) 25.03.2016
(54) POSITIVE ELECTRODE FOR LITHIUM BATTERY
(73) Nissan Motor Co., Ltd.
(72) OHSAWA, Yasuhiko
SATOU, Hajime
AKAMA, Hiroshi
HORIE, Hideaki
MIZUNO, Yusuke
FUKUMOTO, Hiroshi
OKURA, Masatoshi
SHINDO, Yasuhiro
TSUDO, Yasuhiro
(31) 2015067223
(32) 27.03.2015
(33) Japan

(51) H01M 4/02
H02J 9/00
H01M 4/1393
H01M 4/58
H01M 10/052
H01M 10/0525
H01M 10/0567
H01M 10/0568
H01M 10/0569
H01M 10/0585
H01G 11/06
H01G 11/24
H01G 11/26
H01G 11/38
H01G 11/50
H01G 11/60
H01G 11/62
H01G 11/84
(11) EP3392896
(21) EP17741566.8
(47) 08.01.2020
(87) JP2017002008
27.07.2017
(22) 20.01.2017
(54) NONAQUEOUS LITHIUM POWER STORAGE ELEMENT
(73) Asahi Kasei Kabushiki Kaisha
(72) UMETSU, Kazuteru
OKADA, Nobuhiro
HIRAOKA, Koichi
HOSOKIBARA, Atsushi
SUETOMI, Taku
(31) 2016010895
2016155805
2016192745
2016192443
(32) 22.01.2016
08.08.2016
30.09.2016
30.09.2016
(33) Japan
Japan
Japan

Japan

(51) H01M 4/04
H01M 4/36
H01M 4/485
H01M 4/505
H01M 4/525
(11) EP2879209
(21) EP14176431.6
(47) 08.01.2020
(22) 10.07.2014
(54) Positive active material for rechargeable lithium battery, method of preparing same, and rechargeable lithium battery including the same
(73) Samsung SDI Co., Ltd.
(72) Hong, Ming-Zi
Park, Do-Hyung
Kwon, Seon-Young
Moon, Joong-Ho
Kim, Ji-Hyun
Park, Han-Eol
Kim, Min-Han
Woo, Myong-A
Kim, Ki-Hyun
Choi, Jong-Seo
(31) 20130145667
(32) 27.11.2013
(33) Korea (Republic)

(51) H01M 4/04
H01M 4/86
H01M 4/88
H01M 8/12
H01M 8/1213
H01M 8/124
H01M 8/1253
H01M 8/126
(11) EP3309888
(21) EP16807833.5
(47) 08.01.2020
(87) KR2016006158
15.12.2016
(22) 10.06.2016
(54) PRECURSOR FOR SOLID OXIDE FUEL CELL AND METHOD FOR MANUFACTURING SHEET LAMINATE FOR SOLID OXIDE FUEL CELL
(73) LG Chem, Ltd.
(72) SHIN, Dong Oh
LEE, Jongjin
OH, Takkeun
CHOI, Kwangwook
CHOI, Jeong Mi
(31) 20150082728
(32) 11.06.2015
(33) Korea (Republic)

(51) H01M 4/04
H01M 10/04
H01M 4/139
H01M 10/0585
(11) EP3211695
(21) EP15853553.4
(47) 08.01.2020
(87) JP2015073737
28.04.2016
(22) 24.08.2015
(54) METHOD AND APPARATUS FOR MANUFACTURING ELECTRODE FOR SECONDARY BATTERY
(73) Envision AESC Energy Devices Ltd.
(72) HIRAI, Masanori
NAKAJIMA, Takashi
SATO, Tetsuya
(31) 2014214438
(32) 21.10.2014
(33) Japan

(51) H01M 4/1393
H01M 10/052
H01M 10/0525
H01M 10/0567
H01M 10/0585
H01G 11/06
H01G 11/24
H01G 11/26
H01G 11/28
H01G 11/34
H01G 11/50
H01G 11/64
H01G 11/84
H01G 11/86
(11) EP3392891
(21) EP17741563.5
(47) 08.01.2020
(87) JP2017002005
27.07.2017
(22) 20.01.2017
(54) NONAQUEOUS LITHIUM STORAGE ELEMENT
(73) Asahi Kasei Kabushiki Kaisha
(72) UMETSU, Kazuteru
KAMIJO, Takeshi
HIRAKAWA, Yuichiro
KUSUZAKA, Keita
OKADA, Nobuhiro
SUETOMI, Taku
(31) 2016010895
2016155461
2016192439
2016192621
(32) 22.01.2016
08.08.2016
30.09.2016
30.09.2016
(33) Japan
Japan
Japan
Japan

(51) H01M 4/36
H01M 4/38
H01M 4/133
H01M 4/134
H01M 4/587
H01M 10/052
(11) EP3424098
(21) EP17707333.5
(47) 08.01.2020
(87) EP2017054525
08.09.2017
(22) 27.02.2017
(54) MANUFACTURE OF SI/C COMPOSITE PARTICLES
(73) Wacker Chemie AG
(72) TROEGEL, Dennis
PANTELIC-SEIDL, Jelena
(31) 102016203349
(32) 01.03.2016
(33) Germany

(51) H01M 4/36
H01M 4/62
H01M 10/42
H01M 10/48
H02J 7/00
H01M 4/505
H01M 4/525
H01M 4/58
H01M 10/0525
G01R 31/36
G01R 31/367
(11) EP3255444
(21) EP17180416.4
(47) 08.01.2020
(22) 15.03.2013
(54) METHOD FOR MANAGING A SECONDARY BATTERY
(73) LG Chem, Ltd.
(72) JOE, Won-Tae
CHUNG, Geun-Chang
CHA, Sun-Young
(31) 20120038779
(32) 13.04.2012
(33) Korea (Republic)

(51) H01M 4/66
H01M 10/04
(11) EP2503628
(21) EP10831460.0
(47) 08.01.2020
(87) JP2010069610
26.05.2011
(22) 04.11.2010
(54) CURRENT COLLECTOR FOR BIPOLAR SECONDARY BATTERY
(73) Nissan Motor Co., Ltd
(72) HONDA, Takashi
(31) 2009265181
(32) 20.11.2009
(33) Japan

(51) H01M 8/0273
H01M 8/1004
H01M 8/1018
H01M 8/2483
(11) EP3329535
(21) EP16741325.1
(47) 08.01.2020
(87) EP2016067431
02.02.2017
(22) 21.07.2016
(54) MEMBRANE-ELEKTRODE UNIT OF A FUEL CELL AND A METHOD FOR THE MANUFACTURE THEREOF
(73) Volkswagen AG
AUDI AG
(72) ZILLICH, Christian Martin
(31) 102015214520
(32) 30.07.2015
(33) Germany

(51) H01M 10/0525
H01M 10/0567
(11) EP3396769
(21) EP17860722.2
(47) 08.01.2020
(87) KR2017011352
19.04.2018
(22) 13.10.2017
(54) ELECTROLYTE FOR LITHIUM SECONDARY BATTERY AND LITHIUM

SECONDARY BATTERY COMPRISING SAME
(73) LG Chem, Ltd.
(72) AHN, Kyoung Ho
JEONG, Yu Ra
LEE, Chul Haeng
LIM, Young Min
OH, Jeong Woo
LEE, Jung Hoon
(31) 20160133811
(32) 14.10.2016
(33) Korea (Republic)

(51) H01M 10/42
H01M 10/44
H01M 10/48
(11) EP3477760
(21) EP18202690.6
(47) 08.01.2020
(22) 25.10.2018
(54) AN ELECTRONIC DEVICE COMPRISING A BATTERY
(73) Samsung Electronics Co., Ltd.
(72) Ha, Jin Soo
Kim, Kun Suk
Kim, Sung Hoon
Hwang, In Sung
(31) 20170140170
(32) 26.10.2017
(33) Korea (Republic)

(51) H01M 10/42
H01M 10/48
H01M 10/052
H01M 10/613
H01M 10/615
H01M 10/63
H01M 10/647
H01M 10/655
H01M 10/6572
H01M 10/658
G01N 23/20033
(11) EP3460893
(21) EP17192263.6
(47) 08.01.2020
(22) 21.09.2017
(54) DEVICE FOR GRIPPING AND TEMPERING OF FLAT SPECIMENS FOR X-RAY DIFFRACTOMETRY
(73) Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH
(72) Kriele, Armin

(51) H01M 10/44
H01M 10/48
H01M 16/00
H02J 7/34
H02J 15/00
(11) EP3014736
(21) EP14741212.6
(47) 08.01.2020
(87) EP2014063281
31.12.2014
(22) 24.06.2014
(54) METHOD AND DEVICE FOR STORING ELECTRICAL ENERGY IN ELECTROCHEMICAL ENERGY ACCUMULATORS
(73) Younicos GmbH
(72) TRIEBEL, Clemens
REINCKE-COLLON, Carsten
BERNINGER, Udo
(31) 102013211951
(32) 24.06.2013
(33) Germany

(51) H01P 1/02
H01P 1/161
H01P 5/08
H01P 5/12
(11) EP3358669
(21) EP18155062.5
(47) 08.01.2020
(22) 05.02.2018
(54) CONNECTING STRUCTURE AND EMISSION/RECEPTION SYSTEM OF THE DUAL-BAND TYPE WITH DUAL POLARIZATION PER FREQUENCY BAND
(73) SIAE Microelettronica S.p.A.
(72) OLDONI, Matteo
(31) 201700013284
(32) 07.02.2017
(33) Italy

(51) H01P 1/205
H01P 7/04
H03H 7/075
(11) EP3050212
(21) EP14849074.1
(47) 08.01.2020
(87) US2014058053
02.04.2015
(22) 29.09.2014
(54) MULTIRESONATOR NON-ADJACENT COUPLING
(73) Intel Corporation
(72) SUBEDI, Puma
BURKE, Ian
TRAN, Vien, Van
(31) 201361883706 P
(32) 27.09.2013
(33) United States of America

(51) H01Q 1/02
H05B 3/02
H05B 3/34
H05K 7/20
(11) EP2926621
(21) EP13848330.0
(47) 08.01.2020
(87) IB2013002366
01.05.2014
(22) 21.10.2013
(54) REMOVABLE HEATER FOR COMMUNICATION ANTENNA
(73) Thales Canada Inc.
(72) SWAIN, Richard, Lawrence
THOMSON, Jeffrey, Allan
(31) 201213657545
(32) 22.10.2012
(33) United States of America

(51) H01Q 1/10
H01Q 1/24
H01Q 1/27
H04B 1/38
H04B 1/3827
(11) EP3223365
(21) EP17162308.5
(47) 08.01.2020
(22) 22.03.2017
(54) ELECTRONIC DEVICE
(73) Kyocera Corporation
(72) NISHIZAKA, Naoki
(31) 2016060472
(32) 24.03.2016
(33) Japan

(51) H01Q 1/12
H01Q 3/08
H01Q 15/14
H01Q 15/18
H01Q 19/10
H01Q 19/185
H04B 7/145
(11) EP3089268
(21) EP14874352.9
(47) 08.01.2020
(87) JP2014005284
02.07.2015
(22) 17.10.2014
(54) RADIO WAVE REFLECTION DEVICE
(73) NEC Corporation
(72) TANABE, Kosuke
(31) 2013269028
(32) 26.12.2013
(33) Japan

(51) H01Q 1/22
H01Q 1/24
H01Q 7/00
H01Q 9/42
H01Q 21/28
H01Q 5/10
H01Q 5/328
H01Q 5/335
H01Q 5/371
(11) EP2937937
(21) EP13863801.0
(47) 08.01.2020
(87) JP2013083601
26.06.2014
(22) 16.12.2013
(54) ANTENNA DEVICE AND ELECTRONIC DEVICE
(73) Murata Manufacturing Co., Ltd.
(72) YOSUI, Kuniaki
(31) 2012280243
(32) 21.12.2012
(33) Japan

(51) H01Q 1/22
H01Q 1/38
H01Q 1/52
H01Q 13/10
(11) EP2502309
(21) EP10830904.8
(47) 08.01.2020
(87) US2010056831
19.05.2011
(22) 16.11.2010
(54) SLOT HALO ANTENNA DEVICE
(73) Skywave Antennas Inc.
(72) OWENS, Roger
(31) 619506
(32) 16.11.2009
(33) United States of America

(51) H01Q 1/22
H01Q 7/00
H04B 5/00
H04B 5/06
(11) EP2661056
(21) EP11852699.5

(47) 08.01.2020
(87) CN2011080717
05.07.2012
(22) 12.10.2011
(54) NEAR FIELD COMMUNICATION ELECTRONIC DEVICE
(73) Huizhou TCL Mobile Communication Co., Ltd
(72) LUO, Minli
ZHANG, Lian
(31) 201010619744
(32) 31.12.2010
(33) China

(51) H01Q 1/24
H01Q 1/38
H01Q 9/04
H01Q 9/42
H04M 1/02
H04B 1/40
(11) EP3391630
(21) EP17786177.0
(47) 08.01.2020
(87) KR2017004200
26.10.2017
(22) 19.04.2017
(54) ELECTRONIC DEVICE INCLUDING ANTENNA
(73) Samsung Electronics Co., Ltd.
(72) KIM, Ho Saeng
LEE, Sang Youn
CHOI, Young Sik
CHOI, Seung Min
HYUN, Seung Jun
KIM, Seung Nyun
SON, Dong Il
(31) 20160047343
(32) 19.04.2016
(33) Korea (Republic)

(51) H01Q 1/24
H01Q 3/24
H04B 7/06
H04W 52/36
H04B 1/3827
(11) EP3427337
(21) EP16710501.4
(47) 08.01.2020
(87) SE2016050182
14.09.2017
(22) 08.03.2016
(54) EMF-LIMIT COMPLIANT TRANSMISSION WITH MULTIPLE ANTENNA ELEMENTS
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) COLOMBI, Davide
TÖRNEVIK, Christer
BALDEMAIR, Robert
THORS, Björn

(51) H01Q 1/27
H01Q 1/38
H01Q 1/52
H01Q 7/00
H01Q 9/42
H01Q 19/18
H01Q 21/30
H01Q 5/321
(11) EP3451449
(21) EP18191570.3
(47) 08.01.2020
(22) 29.08.2018
(54) ELECTRONIC DEVICE INCLUDING ANTENNA DEVICE HAVING LOOP STRUCTURE
(73) Samsung Electronics Co., Ltd.
(72) Jeon, Min-Hwan
(31) 20170110854
(32) 31.08.2017
(33) Korea (Republic)

(51) H01Q 3/24
H01Q 3/28
H01Q 21/20
(11) EP2456008
(21) EP11306517.1
(47) 08.01.2020
(22) 18.11.2011
(54) Beam-switching antenna
(73) Thales
(72) Le Roux, Per-Yann
Thizon, Sophia
Meuriche, Bernard
(31) 1004515
(32) 19.11.2010
(33) France

(51) H01Q 9/28
H01Q 21/06
(11) EP2504887
(21) EP10787538.7
(47) 08.01.2020
(87) GB2010051965
03.06.2011
(22) 25.11.2010
(54) ANTENNA ARRAY
(73) BAE Systems PLC
(72) PINTO, Jonathan
LEWIS, Gareth Michael
QURESHI, Waseem, Mohammed, Anees
PANAGHISTON, Gary, David
TWEEN, Larry, Brian
LEWIS, Robert, Alan
HARPER, Richard, John
(31) 0920913
0920916
09252693
(32) 27.11.2009
27.11.2009
27.11.2009
(33) United Kingdom
United Kingdom
European Patent Office (EPO)

(51) H01Q 15/00
(11) EP3231038
(21) EP15817487.0
(47) 08.01.2020
(87) FR2015053361
16.06.2016
(22) 07.12.2015
(54) METHOD FOR MANUFACTURING A DIELECTRIC PART WITH MESHES FORMING A THREE-DIMENSIONAL SOLID LATTICE AND DIELECTRIC PART THUS MANUFACTURED
(73) Centre National d'Etudes Spatiales (CNES)
(72) CAPET, Nicolas
(31) 1462076
(32) 08.12.2014
(33) France

(51) H01R 4/70
H01R 13/512
H01R 13/52
H01R 13/622
H01R 13/639
H01R 31/06
H02G 15/013
(11) EP3075036
(21) EP14866393.3
(47) 08.01.2020
(87) US2014065398
04.06.2015
(22) 13.11.2014
(54) ADAPTER FOR SEALING COVER FOR ELECTRICAL INTERCONNECTIONS
(73) CommScope Technologies LLC
(72) VACCARO, Ronald A.
(31) 201361908977 P
(32) 26.11.2013
(33) United States of America

(51) H01R 9/05
H01R 43/048
H01R 43/058
(11) EP2456013
(21) EP11008597.4
(47) 08.01.2020
(22) 26.10.2011
(54) Force-fit and form-fit crimp connection for a coaxial connector and crimping tool for same
(73) Rosenberger Hochfrequenztechnik GmbH & Co. KG
(72) Baldauf, Walter
(31) 102010051775
(32) 18.11.2010
(33) Germany

(51) H01R 9/22
H01R 13/52
(11) EP3084897
(21) EP14793580.3
(47) 08.01.2020
(87) EP2014073895
25.06.2015
(22) 06.11.2014
(54) ELECTRICAL ASSEMBLY
(73) Robert Bosch GmbH
(72) ZWEIGLE, Peter
ZELENY, Franco
(31) 102013226236
(32) 17.12.2013
(33) Germany

(51) H01R 12/58
H01R 13/41
H01R 13/52
(11) EP3255736
(21) EP16746714.1
(47) 08.01.2020
(87) JP2016053465
11.08.2016
(22) 05.02.2016
(54) CONNECTOR WITH SEALING
(73) NSK Ltd.
(72) MORIMOTO, Masakazu
OSAKABE, Tadayoshi
MIYOSHI, Osamu
(31) 2015022559
(32) 06.02.2015
(33) Japan

(51) H01R 12/71
B60R 16/02

F16H 61/00
H01R 13/50
H01R 13/533
H01R 13/73
H02G 3/16
H05K 5/00
(11) EP3246601
(21) EP16737293.7
(47) 08.01.2020
(87) JP2016050422
21.07.2016
(22) 08.01.2016
(54) ELECTRONIC CONTROL DEVICE
(73) Hitachi Automotive Systems, Ltd.
(72) SAITO, Masato
KAWAI, Yoshio
ISHIKAWA, Shoho
(31) 2015004970
(32) 14.01.2015
(33) Japan

(51) H01R 12/73
H01R 12/91
H01R 24/54
H01R 13/629
H01R 103/00
(11) EP2755282
(21) EP14150616.2
(47) 08.01.2020
(22) 09.01.2014
(54) Adapter
(73) Amphenol Corporation
(72) BARTHELMES, Owen R.
HOYACK, Michael A.
(31) 201313737375
(32) 09.01.2013
(33) United States of America

(51) H01R 13/514
(11) EP2083485
(21) EP09000809.5
(47) 08.01.2020
(22) 21.01.2009
(54) Electrical connector
(73) TE Connectivity Germany GmbH
(72) Eichenauer, Manfred
(31) 102008005501
(32) 22.01.2008
(33) Germany

(51) H01R 13/514
H01R 13/518
H01R 13/639
(11) EP2920849
(21) EP13805246.9
(47) 08.01.2020
(87) DE2013100382
22.05.2014
(22) 13.11.2013
(54) RETAINING FRAME FOR RETAINING PLUG-TYPE CONNECTOR MODULES
(73) Harting Electric GmbH & Co. KG
(72) BEISCHER, Thomas
MEIER, Heiko
SIEBERING, Ingo
(31) 102012110907
(32) 13.11.2012
(33) Germany

(51) H01R 13/52
H01R 13/53
H01R 13/59
H02B 13/035
H02G 15/007
H02G 15/064
H02G 15/103
H02G 15/107
(11) EP3353861
(21) EP16775557.8
(47) 08.01.2020
(87) EP2016072488
30.03.2017
(22) 22.09.2016
(54) A CABLE FITTING FOR CONNECTING A HIGH-VOLTAGE CABLE TO A HIGH-VOLTAGE COMPONENT OR ANOTHER HIGH-VOLTAGE CABLE
(73) ABB Schweiz AG
(72) CZYZEWSKI, Jan
MAURER, Victoria
LICHY, Radim
SÖRQVIST, Torbjörn
(31) 15186898
(32) 25.09.2015
(33) European Patent Office (EPO)

(51) H01R 13/639
H01R 13/641
H01R 13/703
(11) EP2648935
(21) EP11822883.2
(47) 08.01.2020
(87) DE2011001952
24.05.2012
(22) 08.11.2011
(54) CHARGING DEVICE WITH LOCKING DETECTION
(73) Kiekert Aktiengesellschaft
(72) KORDOWSKI, Bernhard
SCHOLZ, Michael
WESTERWICK, Volker
(31) 102010044138
(32) 18.11.2010
(33) Germany

(51) H01R 13/6592
H01R 9/03
H01R 13/514
H01R 13/648
H01R 43/16
H01R 43/24
H01R 107/00
(11) EP3262725
(21) EP16708622.2
(47) 08.01.2020
(87) EP2016053817
01.09.2016
(22) 24.02.2016
(54) SHIELDED ELECTRIC CONNECTOR
(73) Phoenix Contact GmbH & Co. KG
(72) NOLTING, Daniel
TÜNKER, Manuel
REIMCHEN, Valeri
MÜHLENBERND, André
DOBER, Kathrin
STARKE, Cord
(31) 102015102703
(32) 25.02.2015
(33) Germany

(51) H01R 24/38
F21S 8/00
F21V 21/30
F21V 23/06
H01R 13/62
F21Y 115/10
(11) EP3527887
(21) EP18206997.1
(47) 08.01.2020
(22) 19.11.2018
(54) Arrangement comprising an electrical / electronic installation device and an electric lighting device.
(73) Insta GmbH
(72) Höngen, Markus
Link, Tobias
(31) 102018103379
(32) 15.02.2018
(33) Germany

(51) H01R 24/40
H01R 9/05
H01R 13/645
H01R 103/00
(11) EP2719029
(21) EP12719937.0
(47) 08.01.2020
(87) EP2012001995
13.12.2012
(22) 09.05.2012
(54) COAXIAL PLUG-TYPE CONNECTOR
(73) Rosenberger Hochfrequenztechnik GmbH & Co. KG
(72) ROSENBERGER, Bernd
(31) 102011103524
(32) 07.06.2011
(33) Germany

(51) H01R 24/68
G06F 13/40
(11) EP3106994
(21) EP16170455.6
(47) 08.01.2020
(22) 19.05.2016
(54) VME P2 FIVE ROW INTERFACE ADAPTER ASSEMBLY, SYSTEM, AND METHOD
(73) The Boeing Company
(72) SAFARLI, Artoush
McCUEN, Patrick Jay
(31) 201514741549
(32) 17.06.2015
(33) United States of America

(51) H01S 3/07
H01S 5/00
H01S 5/024
H01S 5/026
H01S 5/06
H01S 5/0625
H01S 5/065
H01S 5/0683
H01S 5/0687
H01S 5/10
H01S 5/12
H01S 5/125
H01S 5/50
H04B 10/572
(11) EP3213378
(21) EP15854630.9
(47) 08.01.2020
(87) US2015058495
06.05.2016
(22) 30.10.2015

(54) FAST CALIBRATION AND PROGRAMMING OPTICAL COMPONENTS
(73) OE Solutions America Inc.
(72) BLUMENTHAL, Daniel
KLEIN, Holger
ALTHOUSE, Chad
CHICCI, Todd
BYBEE, Patrick
POULSEN, Henrik
GUNDAVARAPU, Sarat Chandra
(31) 201462073713 P
(32) 31.10.2014
(33) United States of America

(51) H01S 5/183
(11) EP2878045
(21) EP13822215.3
(47) 08.01.2020
(87) US2013052412
30.01.2014
(22) 26.07.2013
(54) POLARIZATION STABLE WIDELY TUNABLE SHORT CAVITY LASER
(73) Thorlabs, Inc.
Praevium Research, Inc.
(72) CABLE, Alex, Ezra
JAYARAMAN, Vijaysekhar
POTSAID, Benjamin, Michael
(31) 201261676712 P
(32) 27.07.2012
(33) United States of America

(51) H01T 13/34
H01T 13/36
(11) EP2597737
(21) EP12007884.5
(47) 08.01.2020
(22) 22.11.2012
(54) Spark plug
(73) NGK Spark Plug Co., Ltd.
(72) Shimamura, Takuya
Kyuno, Jiro
(31) 2011257033
(32) 25.11.2011
(33) Japan

(51) H02B 1/052
(11) EP3387720
(21) EP16806013.5
(47) 08.01.2020
(87) EP2016078994
15.06.2017
(22) 28.11.2016
(54) SIDE-BY-SIDE COMPONENT
(73) H & B Electronic GmbH & Co. KG
(72) SIEHLER, Achim
BAYERBACH, Jan
HEIMSCH, Jochen
(31) 202015106673 U
(32) 08.12.2015
(33) Germany

(51) H02G 3/04
H02G 3/30
(11) EP2053715
(21) EP08253388.6
(47) 08.01.2020
(22) 20.10.2008
(54) Cable pathway system
(73) PANDUIT CORPORATION
(72) Lesniak, Scott M
Waszak, Dennis J
Nicoli, Robert
Davis, David R
(31) 924800
(32) 26.10.2007
(33) United States of America

(51) H02G 3/06
(11) EP2107657
(21) EP09156372.6
(47) 08.01.2020
(22) 26.03.2009
(54) Cable connection
(73) Lapp Engineering & Co.
(72) Drotleff, Rolf
Zankl, Martin
(31) 102008018176
(32) 01.04.2008
(33) Germany

(51) H02H 1/00
H02H 7/22
H02J 3/00
H02J 13/00
(11) EP3048698
(21) EP14866272.9
(47) 08.01.2020
(87) CN2014080290
04.06.2015
(22) 19.06.2014
(54) METHOD FOR MULTI-FAULT POWER RESTORATION OF POWER DISTRIBUTION NETWORK
(73) State Grid Corporation of China (SGCC)
Laiwu Power Supply Company Of State Grid Shandong
(72) ZHU, Guofang
LI, Hongmei
NIU, Jincang
ZHAO, Baoguang
LI, Shangzhen
SHI, Xin
LI, Yong
LIU, Xujie
WU, Guanbin
XU, Naiyuan
LI, Sun
LIANG, Yuanbin
(31) 201310625280
(32) 28.11.2013
(33) China

(51) H02H 3/087
H02J 1/00
H02J 7/00
(11) EP3435506
(21) EP17769948.5
(47) 08.01.2020
(87) JP2017009473
28.09.2017
(22) 09.03.2017
(54) POWER FEED CONTROL DEVICE
(73) AutoNetworks Technologies, Ltd.
Sumitomo Wiring Systems, Ltd.
Sumitomo Electric Industries, Ltd.
(72) SAWANO, Shunichi
SUGISAWA Yuuki
(31) 2016060699
(32) 24.03.2016
(33) Japan

(51) H02H 7/122
H02M 1/32
H02M 7/483
H02M 7/49
(11) EP3414819
(21) EP16703993.2
(47) 08.01.2020
(87) EP2016052959
17.08.2017
(22) 12.02.2016
(54) CONVERTER MODULE FOR HVDC POWER STATION
(73) ABB Schweiz AG
(72) CHEN, Nan
LAIHONEN, Sari
DE LAVAL, Ludvig
DORÉ, Erik

(51) H02H 7/16
H02H 9/00
H02J 7/00
H02M 3/07
H02M 7/06
H02M 1/32
H02M 1/36
(11) EP3490129
(21) EP17203987.7
(47) 08.01.2020
(22) 28.11.2017
(54) ELECTRONIC PROTECTION CIRCUIT
(73) KEB Automation KG
(72) KORTHALS, Hans-Peter
HERTEL, Willi

(51) H02J 1/00
H04L 12/40
(11) EP2940936
(21) EP15165434.0
(47) 08.01.2020
(22) 28.04.2015
(54) METHOD OF FORMING A BUS COUPLER AND STRUCTURE THEREFOR
(73) Semiconductor Components Industries, LLC
(72) Stevens, Frederiek
(31) 201461986104 P
201514671455
(32) 30.04.2014
27.03.2015
(33) United States of America
United States of America

(51) H02J 1/14
H02J 3/38
H02M 7/537
H02M 7/797
(11) EP2523339
(21) EP12166719.0
(47) 08.01.2020
(22) 04.05.2012
(54) Method and apparatus for energy generation by a photovoltaic arrangement with compensation of energy between the branches of the photovoltaic generators
(73) SF Suntech Deutschland GmbH
(72) Hauser, Thomas
Dobrenko, Alexey
Schilli, Marco
Larionov, Pavel
(31) 102011075658
(32) 11.05.2011
(33) Germany

(51) H02J 3/00
G06Q 10/06
G06Q 50/06
(11) EP2577829
(21) EP11723877.4
(47) 08.01.2020
(87) EP2011002593
08.12.2011
(22) 25.05.2011
(54) METHOD AND SYSTEM FOR ADAPTING A PRODUCTION FLOW SCHEDULE FOR A PRODUCTION PROCESS
(73) ABB Schweiz AG
(72) SCHUH, Lothar
STICH, Christian
(31) 102010022462
(32) 02.06.2010
(33) Germany

(51) H02J 3/00
H02J 3/14
H02J 3/38
H02J 13/00
G06Q 10/06
G06Q 30/02
G06Q 50/06
(11) EP3152810
(21) EP15717098.6
(47) 08.01.2020
(87) EP2015054717
15.09.2016
(22) 06.03.2015
(54) A METHOD AND A SYSTEM FOR CONTROLLING ENERGY SUPPLY TO DIFFERENT UNITS
(73) NEC Corporation
(72) SCHWARZ, Maja
SCHUELKE, Anett
SCHMIDT, Mischa

(51) H02J 3/01
H02J 3/18
H02J 3/38
(11) EP2273646
(21) EP10182942.2
(47) 08.01.2020
(22) 07.09.2000
(54) Method for reactive power compensation and apparatus for power generation in an electricity grid
(73) Wobben Properties GmbH
(72) Wobben, Aloys
(31) 19943847
10020635
(32) 13.09.1999
27.04.2000
(33) Germany
Germany

(51) H02J 3/01
H02M 1/12
H02M 7/483
(11) EP3357138
(21) EP15781525.9
(47) 08.01.2020
(87) US2015053774
06.04.2017
(22) 02.10.2015
(54) MODULAR MULTILEVEL CONVERTER HARMONIC INJECTION SYSTEMS AND METHODS
(73) General Electric Company
(72) SADILEK, Tomas
ZHANG, Di
ZHOU, Zhi
DONG, Dong

(51) H02J 3/26
H02J 3/38
H02P 9/00
H02P 21/00
(11) EP2324567
(21) EP08804053.0
(47) 08.01.2020
(87) EP2008062088
18.03.2010
(22) 11.09.2008
(54) DIRECT POWER CONTROL WITH COMPONENT SEPARATION
(73) Woodward Kempen GmbH
(72) ENGELHARDT, Stephan
KRETSCHMANN, Joerg

(51) H02J 3/38
H02S 50/00
(11) EP3220541
(21) EP17161055.3
(47) 08.01.2020
(22) 15.03.2017
(54) PHOTOVOLTAIC MODULE
(73) LG Electronics Inc.
(72) Han, Dongho
Park, Giyob
Kim, Myonghwan
Bae, Yunsu
(31) 20160031043
(32) 15.03.2016
(33) Korea (Republic)

(51) H02J 5/00
H02J 7/02
B60L 53/22
(11) EP2411240
(21) EP10709696.8
(47) 08.01.2020
(87) EP2010001661
30.09.2010
(22) 17.03.2010
(54) ELECTRIC DRIVE SYSTEM, METHOD FOR OPERATING SUCH A SYSTEM AND ITS USE
(73) SEW-EURODRIVE GmbH & Co. KG
(72) MAHLEIN, Jochen
KOLLAR, Hans, Jürgen
LEWANDOWSKI, Marek
HAUCK, Matthias
SCHMIDT, Josef
PODBIELSKI, Leobald
(31) 102009014704
(32) 27.03.2009
(33) Germany

(51) H02J 7/00
(11) EP3510685
(21) EP17804494.7
(47) 08.01.2020
(87) EP2017079251
24.05.2018
(22) 15.11.2017
(54) LOCAL ANALOGUE EQUALISATION SYSTEM FOR A SET OF DEVICES FOR STORING ELECTRICAL POWER VIA A CAPACITIVE EFFECT, ELECTRICAL INSTALLATION, TRANSPORT VEHICLE AND RECHARGEABLE STORAGE MODULE COMPRISING SUCH A SYSTEM
(73) Blue Solutions
(72) DEPOND, Jean-Michel
(31) 1661244
(32) 18.11.2016
(33) France

(51) H02J 7/00
G01R 31/36
(11) EP2752966
(21) EP14162734.9
(47) 08.01.2020
(22) 06.11.2007
(54) Method and apparatus for displaying charging-state of battery of portable terminal
(73) Samsung Electronics Co., Ltd.
(72) Kim, Han Lim
(31) 20060110683
(32) 09.11.2006
(33) Korea (Republic)

(51) H02J 7/00
H02J 7/04
G01R 31/36
(11) EP3242373
(21) EP16818966.0
(47) 08.01.2020
(87) CN2016075228
08.09.2017
(22) 01.03.2016
(54) CHARGING METHOD, ADAPTER, MOBILE TERMINAL AND CHARGING SYSTEM
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) ZENG, Yuanqing
HU, Zhihua

(51) H02J 7/00
H02M 1/08
(11) EP2426806
(21) EP11006701.4
(47) 08.01.2020
(22) 16.08.2011
(54) Electric circuit, charge control device, charge system, and control method
(73) Murata Manufacturing Co., Ltd.
(72) Kumagai, Eiji
(31) 2010198119
(32) 03.09.2010
(33) Japan

(51) H02J 7/02
H02J 50/10
H02J 50/60
H02J 50/80
(11) EP3107188
(21) EP15745974.4
(47) 08.01.2020
(87) JP2015051858
13.08.2015
(22) 23.01.2015
(54) WIRELESS POWER RECEIVER AND CONTROL CIRCUIT THEREFOR,

ELECTRONIC DEVICE USING SAME, AND ERROR DETECTION METHOD
(73) Rohm Co., Ltd.
(72) IWASAKI, Tatsuya
(31) 2014023677
2014111526
(32) 10.02.2014
29.05.2014
(33) Japan
Japan

(51) H02J 7/02
H02J 50/80
B60L 53/12
(11) EP3203605
(21) EP17153732.7
(47) 08.01.2020
(22) 30.01.2017
(54) SYSTEM AND METHOD FOR PROTECTING A WIRELESS POWER TRANSFER SYSTEM
(73) General Electric Company
(72) JHA, Kapil
VIJAYAN, Pradeep
SINGH, Yash Veer
(31) 201641003928
(32) 03.02.2016
(33) India

(51) H02J 7/35
H01L 31/054
H02S 10/12
H02S 40/22
H02S 40/42
(11) EP3069088
(21) EP14862607.0
(47) 08.01.2020
(87) US2014064456
21.05.2015
(22) 07.11.2014
(54) SOLAR COLLECTION ASSEMBLY, SYSTEM, AND METHOD
(73) Asm IP Holdings, LLC
(72) SANESE, Christopher, N.
(31) 201361902837 P
(32) 12.11.2013
(33) United States of America

(51) H02J 9/00
(11) EP3229341
(21) EP17165286.0
(47) 08.01.2020
(22) 06.04.2017
(54) OPERATING DEVICE WITH EMERGENCY POWER SUPPLY MEANS
(73) Tridonic GmbH & Co. KG
(72) Kears, John
Wilson, Ian
(31) 202016101832 U
(32) 07.04.2016
(33) Germany

(51) H02J 9/02
H05B 37/02
H05B 41/285
H05B 41/292
(11) EP2810535
(21) EP13702063.2
(47) 08.01.2020
(87) EP2013052062
08.08.2013
(22) 01.02.2013
(54) LIGHTING POWER SUPPLY
(73) Tridonic Uk Ltd
(72) WILSON, Ian
(31) 201201901
(32) 03.02.2012
(33) United Kingdom

(51) H02K 1/27
H02K 1/32
H02K 7/18
(11) EP2645536
(21) EP12382116.7
(47) 08.01.2020
(22) 30.03.2012
(54) Permanent magnet rotor
(73) GE Renewable Technologies Wind B.V.
(72) Muñiz Casais, César
Claramunt Estecha, Santiago
Ardley, Glenn

(51) H02K 1/27
H02K 3/28
H02P 25/22
(11) EP2866344
(21) EP14187504.7
(47) 08.01.2020
(22) 02.10.2014
(54) Polyphase rotary electrical machine having at least five phases with optimised control
(73) VALEO EQUIPEMENTS ELECTRIQUES MOTEUR
(72) Legranger, Jérome
Aslan, Bassel
Semail, Eric
(31) 1359561
(32) 02.10.2013
(33) France

(51) H02K 1/30
H02K 7/04
H02K 15/16
(11) EP2259409
(21) EP10164655.2
(47) 08.01.2020
(22) 01.06.2010
(54) Rotating electric machine and manufacturing method thereof
(73) Hitachi Automotive Systems, Ltd.
(72) Goto, Tsuyoshi
Nakayama, Kenichi
Saito, Yasuyuki
(31) 2009132657
(32) 02.06.2009
(33) Japan

(51) H02K 1/32
H02K 7/116
H02K 9/19
H02K 9/193
H02K 17/16
(11) EP3403319
(21) EP16798798.1
(47) 08.01.2020
(87) EP2016078585
20.07.2017
(22) 23.11.2016
(54) ELECTRIC MACHINE
(73) Continental Automotive GmbH
(72) FRÖHLICH, Holger
CHARLES, David
GÜRTLER, Sönke
(31) 102016200423
(32) 15.01.2016
(33) Germany

(51) H02K 3/14
H02K 3/28
(11) EP3347973
(21) EP16748081.3
(47) 08.01.2020
(87) EP2016067357
16.03.2017
(22) 21.07.2016
(54) STATOR FOR AN ELECTRIC MACHINE, ELECTRIC MACHINE AND MANUFACTURING METHOD
(73) Siemens Aktiengesellschaft
(72) BERNHARDT, Michael
FRITSCH, Daniel
MÜLLER, Michael
(31) 15184675
(32) 10.09.2015
(33) European Patent Office (EPO)

(51) H02K 3/46
(11) EP3292617
(21) EP16714227.2
(47) 08.01.2020
(87) DE2016200130
10.11.2016
(22) 10.03.2016
(54) ELECTRONICALLY COMMUTATED DIRECT CURRENT MOTOR
(73) Bühler Motor GmbH
(72) BRETTSCHNEIDER, Jürgen
CHEMNITZ, Norbert
(31) 102015208210
(32) 04.05.2015
(33) Germany

(51) H02K 3/52
(11) EP2815486
(21) EP13734958.5
(47) 08.01.2020
(87) EP2013000414
22.08.2013
(22) 13.02.2013
(54) STATOR ARRANGEMENT AND ELECTRIC MACHINE
(73) Brose Fahrzeugteile GmbH & Co. Kommanditgesellschaft, Würzburg
(72) KOCH, Kevin
BELZNER, Veronique
MARTIN, Christian
(31) 102012202131
(32) 13.02.2012
(33) Germany

(51) H02K 3/52
(11) EP2916437
(21) EP14157665.2
(47) 08.01.2020
(22) 04.03.2014
(54) Stator assembly for an electric motor
(73) Grundfos Holding A/S
(72) Hellegaard, Kjeld
Nielsen, Henrik Skytte

(51) H02K 5/10
H02K 9/02
(11) EP3125410
(21) EP14886853.2
(47) 08.01.2020
(87) JP2014058313

01.10.2015
(22) 25.03.2014
(54) TOTALLY ENCLOSED MAIN ELECTRIC MOTOR
(73) Mitsubishi Electric Corporation
(72) KANEKO, Kenta

(51) H02K 5/24
H02K 9/22
H02K 19/02
H02K 11/33
(11) EP2683061
(21) EP11860588.0
(47) 08.01.2020
(87) JP2011055053
13.09.2012
(22) 04.03.2011
(54) MOTOR DRIVE DEVICE
(73) Mitsubishi Electric Corporation
(72) NAKANO, Masatsugu
ASAO, Yoshihito
SONODA, Isao

(51) H02K 7/116
H02K 11/00
H02K 11/33
(11) EP2372883
(21) EP11160779.2
(47) 08.01.2020
(22) 01.04.2011
(54) Controller, electric power steering provided with the same, method of manufacturing bus bar, and method of manufacturing controller
(73) JTEKT Corporation
(72) TANI, Naoki
(31) 2010086251
(32) 02.04.2010
(33) Japan

(51) H02K 7/20
H02P 9/02
H02P 9/30
(11) EP3021478
(21) EP15194856.9
(47) 08.01.2020
(22) 17.11.2015
(54) A TWO STAGE FLUX SWITCHING MACHINE FOR AN ELECTRICAL POWER GENERATION SYSTEM
(73) Hamilton Sundstrand Corporation
(72) PATEL, Dhaval
KOENIG, Andreas C.
SPIERLING, Todd A.
(31) 201414542981
(32) 17.11.2014
(33) United States of America

(51) H02K 19/10
H02K 21/12
H02K 41/03
(11) EP2800258
(21) EP14165961.5
(47) 08.01.2020
(22) 25.04.2014
(54) Electric machine
(73) Dien, Ghing-Hsin
(72) Dien, Ghing-Hsin
(31) 102115499
(32) 30.04.2013
(33) Taiwan, Province of China

(51) H02M 1/00
H02M 1/084
H02M 5/458
H02M 7/5395
(11) EP3273583
(21) EP16764993.8
(47) 08.01.2020
(87) JP2016058246
22.09.2016
(22) 16.03.2016
(54) POWER CONVERTER CONTROL DEVICE
(73) Daikin Industries, Ltd.
(72) SAKAKIBARA Kenichi
(31) 2015054337
(32) 18.03.2015
(33) Japan

(51) H02M 1/00
H02M 1/10
H02M 5/293
H02M 7/217
H05B 37/02
H05B 39/04
(11) EP3322080
(21) EP17200942.5
(47) 08.01.2020
(22) 09.11.2017
(54) PRE-REGULATOR FOR DETECTING CONNECTION STATE DIMMER
(73) Niko NV
(72) DE BRABANDER, Peter
(31) 201605842
(32) 09.11.2016
(33) Belgium

(51) H02M 1/00
H02M 1/32
H02M 7/48
H02P 29/68
(11) EP3051683
(21) EP13894903.7
(47) 08.01.2020
(87) JP2013076146
02.04.2015
(22) 26.09.2013
(54) POWER CONVERSION DEVICE AND AIR CONDITIONER
(73) Mitsubishi Electric Corporation
(72) YUASA, Kenta
KUSUBE, Shinsaku
TSUMURA, Akihiro

(51) H02M 1/00
H02M 3/335
H02M 5/22
H02M 5/257
H02M 5/275
H02M 5/293
H02M 5/297
H02M 7/48
(11) EP3007348
(21) EP15177335.5
(47) 08.01.2020
(22) 17.07.2015
(54) POWER CONVERSION APPARATUS
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) AKAMATSU, Keiji
NORISADA, Takaaki
OKAMOTO, Sohei
FUKUDA, Daisuke
YAMADA, Goh
(31) 2014208074
2014230819
2014230821
(32) 09.10.2014
13.11.2014
13.11.2014
(33) Japan
Japan
Japan

(51) H02M 1/00
H02M 7/5395
H02P 27/08
H02P 6/28
(11) EP2899879
(21) EP14003959.5
(47) 08.01.2020
(22) 25.11.2014
(54) Method for operation and device for controlling a rotating brushless electrical machine
(73) Brose Fahrzeugteile GmbH & Co. Kommanditgesellschaft, Würzburg
(72) Schwarzkopf, Johannes
(31) 102014000945
(32) 24.01.2014
(33) Germany

(51) H02M 1/08
H02M 3/158
H03K 17/687
(11) EP3304717
(21) EP16741050.5
(47) 08.01.2020
(87) FR2016051240
08.12.2016
(22) 26.05.2016
(54) DC-DC CONVERTER BLOCK, DC-DC CONVERTER COMPRISING SAME AND ASSOCIATED SYSTEM ENVELOPE TRACKING SYSTEM
(73) Wupatec
(72) GATARD, Emmanuel
LACHAUD, Pierre
(31) 1554917
(32) 29.05.2015
(33) France

(51) H02M 1/32
(11) EP3149842
(21) EP15725998.7
(47) 08.01.2020
(87) EP2015001070
03.12.2015
(22) 26.05.2015
(54) METHOD FOR CONTROLLING A MOTOR, FREQUENCY CONVERTER AND CONVERTER MOTOR
(73) Schneider Electric Industries SAS
(72) LEIBL, Thomas
(31) 102014007593
(32) 26.05.2014
(33) Germany

(51) H02M 3/158
(11) EP2768130
(21) EP13155717.5
(47) 08.01.2020
(22) 19.02.2013
(54) Direct current converter

(73) Valeo Siemens eAutomotive Germany GmbH
(72) Göpfrich, Kurt
Völkel, Stefan

(51) H02M 3/158
(11) EP2736156
(21) EP12306464.4
(47) 08.01.2020
(22) 27.11.2012
(54) Voltage polarity detection for DCM/CCM boundary detection in DC/DC converters
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) Michal, Vratislav

(51) H02M 5/458
(11) EP2273662
(21) EP09725689.5
(47) 08.01.2020
(87) JP2009000934
01.10.2009
(22) 02.03.2009
(54) POWER CONVERSION DEVICE
(73) Daikin Industries, Ltd.
(72) SARUWATARI, Hirotaka
KOKURA, Takeshi
SHIMATANI, Keisuke
YOSHISAKA, Keiichi
(31) 2008088548
(32) 28.03.2008
(33) Japan

(51) H02M 5/458
H02P 3/02
H02P 6/10
H02P 7/06
H02P 21/24
H02P 29/02
(11) EP2949036
(21) EP14753884.7
(47) 08.01.2020
(87) US2014012858
28.08.2014
(22) 24.01.2014
(54) METHODS AND SYSTEMS CONTROLLING AN ELECTRIC MOTOR
(73) Regal Beloit America, Inc.
(72) BECERRA, Roger Carlos
CHRETIEN, Ludovic Andre
YOUNG, Glen Chester
CLENDENEN, David Allen
DA, Yao
(31) 201313749242
(32) 24.01.2013
(33) United States of America

(51) H02M 5/458
H05B 6/06
H02M 1/32
(11) EP3311474
(21) EP16727235.0
(47) 08.01.2020
(87) JP2016002406
22.12.2016
(22) 17.05.2016
(54) POWER CONVERSION APPARATUS AND POWER CONVERSION METHOD FOR HEAT TREATMENT
(73) Neturen Co., Ltd.
(72) KANAI, Takahiko
SUGIMOTO, Masato
YOSHIDA, Haruki
(31) 2015123337
(32) 18.06.2015
(33) Japan

(51) H02M 7/00
H05K 5/02
(11) EP2264883
(21) EP10251053.4
(47) 08.01.2020
(22) 08.06.2010
(54) Power converter for railway rolling stock
(73) Hitachi, Ltd.
(72) Yamaguchi, Satoshi
Hishida, Akihiro
Tanaka, Takeshi
Kono, Yasuhiko
Nakata, Kiyoshi
(31) 2009136808
(32) 08.06.2009
(33) Japan

(51) H02M 7/06
H02M 7/08
H02M 7/155
H02M 1/42
(11) EP2824819
(21) EP13176268.4
(47) 08.01.2020
(22) 12.07.2013
(54) 12-pulse rectifier with input capacitors for power factor improvement
(73) ITW GSE ApS
(72) Dahl, Søren Risgaard
Azulay, Ronni Bøgebjerg

(51) H02M 7/12
H02M 1/42
(11) EP3416276
(21) EP16889877.3
(47) 08.01.2020
(87) JP2016075181
17.08.2017
(22) 29.08.2016
(54) POWER CONVERSION DEVICE
(73) Mitsubishi Electric Corporation
(72) TAKAHARA Takaaki
KONDO Ryota
MURAKAMI Satoshi
TOYODA Hajime
(31) 2016021471
(32) 08.02.2016
(33) Japan

(51) H02M 7/48
(11) EP3382879
(21) EP18151765.7
(47) 08.01.2020
(22) 16.01.2018
(54) POWER SUPPLY APPARATUS HAVING POWER SAVING FUNCTION AND AIR CONDITIONER INCLUDING THE SAME
(73) LG Electronics Inc.
(72) LEE, Wonwoo
(31) 20170039175
(32) 28.03.2017
(33) Korea (Republic)

(51) H02M 7/49
H02P 6/18
(11) EP2239838
(21) EP10158065.2
(47) 08.01.2020
(22) 26.03.2010
(54) Surgical motor control device, surgical drive system and method for controlling a surgical drive unit
(73) AESCULAP AG
(72) Hafner, Ronald
Schneider, Jürgen
Moosmann, Ernst
Konrath, Harald
(31) 102009018143
(32) 08.04.2009
(33) Germany

(51) H02N 2/02
H02N 2/06
(11) EP3378153
(21) EP16797526.7
(47) 08.01.2020
(87) EP2016077736
26.05.2017
(22) 15.11.2016
(54) PIEZO ACTUATOR WITH SEVERAL PIEZOELEMENTS
(73) V.I.E. Systems GmbH
(72) SCHEICHER, Johann
(31) 102015119816
(32) 17.11.2015
(33) Germany

(51) H02P 1/18
(11) EP3381119
(21) EP16790623.9
(47) 08.01.2020
(87) EP2016076661
01.06.2017
(22) 04.11.2016
(54) METHOD FOR CONTROLLING THE CURRENT OF AN INDUCTIVE LOAD
(73) Continental Teves AG & Co. OHG
(72) MORSCHEL, Dirk
MÜLLER, Jürgen
SCHMITZ, Axel
(31) 102015223151
(32) 24.11.2015
(33) Germany

(51) H02P 6/18
H02P 6/182
H02P 6/185
H02P 6/20
H02P 21/18
H02P 21/34
(11) EP2357722
(21) EP08878246.1
(47) 08.01.2020
(87) JP2008070900
27.05.2010
(22) 18.11.2008
(54) SYNCHRONOUS MACHINE STARTING DEVICE
(73) Toshiba Mitsubishi-Electric Industrial Systems Corporation
(72) TAMAI, Shinzo
FUJII, Yosuke
ANDO, Akinobu
HOSOKAWA, Yasuhiko

(51) H02P 23/14
H02P 21/14
H02P 21/18
H02P 21/20
H02P 21/22

(11) EP3451525
(21) EP18178970.2
(47) 08.01.2020
(22) 21.06.2018
(54) METHOD FOR IDENTIFYING MAGNETIC SATURATION PARAMETERS OF AN ASYNCHRONOUS ELECTRIC MOTOR
(73) Schneider Toshiba Inverter Europe SAS
(72) JEBAI, Al Kassem
MALRAIT, François
DEVOS, Thomas
DUTREY, Alain
(31) 1770913
(32) 01.09.2017
(33) France

(51) H02P 27/08
H02P 29/02
(11) EP3139495
(21) EP16182216.8
(47) 08.01.2020
(22) 01.08.2016
(54) POWER LIMITING FOR MOTOR CURRENT CONTROLLERS
(73) Simmonds Precision Products, Inc.
(72) MASTROCOLA, Naison E.
SINGH, Sameep
(31) 201514834328
(32) 24.08.2015
(33) United States of America

(51) H02S 40/34
(11) EP3136594
(21) EP16185850.1
(47) 08.01.2020
(22) 26.08.2016
(54) PHOTOVOLTAIC JUNCTION BOX
(73) Tyco Electronics (Shanghai) Co. Ltd.
(72) Li, Cui
Zhong, Yuan
Xu, Xiang
Lv, Wenbo
(31) 201520650930 U
(32) 26.08.2015
(33) China

(51) H03D 7/12
H03D 7/14
H03D 7/16
(11) EP2871772
(21) EP13192191.8
(47) 08.01.2020
(22) 08.11.2013
(54) Mixer
(73) NXP B.V.
(72) van Veldhoven, Robert Hendrikus Margaretha

(51) H03F 1/02
H04L 27/00
(11) EP3066752
(21) EP14868055.6
(47) 08.01.2020
(87) CN2014092484
11.06.2015
(22) 28.11.2014
(54) REDUCED POWER AMPLIFIER LOAD IMPACT FOR OPEN LOOP ENVELOPE TRACKING
(73) Huawei Technologies Co., Ltd.
(72) AL-QAQ, Wael
JIANG, Hong
ZHANG, Zhihang
(31) 201314094395
(32) 02.12.2013
(33) United States of America

(51) H03F 1/52
H03F 3/217
(11) EP3171515
(21) EP15195008.6
(47) 08.01.2020
(22) 17.11.2015
(54) SPEAKER DRIVER
(73) NXP B.V.
(72) Berkhout,, Marco
Chen, Chen

(51) H03G 3/00
H03G 3/30
H03G 7/00
(11) EP3378157
(21) EP16798366.7
(47) 08.01.2020
(87) US2016061304
26.05.2017
(22) 10.11.2016
(54) PREVENTION OF SIGNAL CLIPPING DUE TO DECREASE IN AMPLIFIER SUPPLY VOLTAGE
(73) Cirrus Logic International Semiconductor Ltd.
(72) MAY, Jeffrey Allen
AZRAI, Firas
(31) 201562256498 P
201615342846
(32) 17.11.2015
03.11.2016
(33) United States of America
United States of America

(51) H03G 3/02
(11) EP3223428
(21) EP17162364.8
(47) 08.01.2020
(22) 22.03.2017
(54) VOLUME ADJUSTMENT DEVICE AND VOLUME ADJUSTMENT PROGRAM
(73) Onkyo Corporation
(72) OYAMATSU, Tsuyoshi
(31) 2016059493
(32) 24.03.2016
(33) Japan

(51) H03G 3/02
H04M 1/725
H04W 4/70
(11) EP2790392
(21) EP14162699.4
(47) 08.01.2020
(22) 31.03.2014
(54) Method for connecting with external device and electronic device thereof
(73) Samsung Electronics Co., Ltd.
(72) Kwon, Ki-Hyun
Koh, Myung-Geun
(31) 20130038683
(32) 09.04.2013
(33) Korea (Republic)

(51) H03G 3/30
H04B 13/02
H04L 27/26
H04B 10/50
H04B 10/564
H04B 10/80
(11) EP2974083
(21) EP14798429.8
(47) 08.01.2020
(87) US2014024392
20.11.2014
(22) 12.03.2014
(54) HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM
(73) Magseis FF LLC
(72) HOPEWELL, William
LACOVARA, Philip
MORRIS, Michael
(31) 201313843942
201414203550
(32) 15.03.2013
10.03.2014
(33) United States of America
United States of America

(51) H03H 21/00
(11) EP3324543
(21) EP16199563.4
(47) 08.01.2020
(22) 18.11.2016
(54) ADAPTIVE FILTER AND METHOD OF OPERATING AN ADAPTIVE FILTER
(73) NXP B.V.
(72) Pandey, Sujan

(51) H03H 21/00
(11) EP2201675
(21) EP08836359.3
(47) 08.01.2020
(87) US2008011334
09.04.2009
(22) 30.09.2008
(54) SYSTEM AND METHOD FOR ADAPTIVE NONLINEAR FILTERING
(73) Avago Technologies International Sales Pte. Limited
(72) BATRUNI, Roy, G.
(31) 998057 P
(32) 04.10.2007
(33) United States of America

(51) H03K 17/082
H03K 17/691
(11) EP3476046
(21) EP18708443.9
(47) 18.12.2019
(87) EP2018055909
20.09.2018
(22) 09.03.2018
(54) POWER SWITCHING DEVICE AND METHOD TO OPERATE SAID POWER SWITCHING DEVICE
(73) Würth Elektronik eiSos GmbH & Co. KG
(72) SHOUSHA, Mahmoud
HAUG, Martin
(31) 17161130
(32) 15.03.2017
(33) European Patent Office (EPO)

(51) H03K 17/955
(11) EP2828973
(21) EP13708467.9
(47) 08.01.2020
(87) EP2013054922
26.09.2013

(22) 12.03.2013
(54) CAPACITIVE SENSOR ARRANGEMENT FOR SWITCHING A DOOR OPENING IN A MOTOR VEHICLE AND ASSOCIATED METHOD
(73) Huf Hülsbeck & Fürst GmbH & Co. KG
(72) SIEG, Berthold
(31) 102012102422
(32) 21.03.2012
(33) Germany

(51) H03L 7/087
H03L 7/091
(11) EP3399649
(21) EP18168420.0
(47) 08.01.2020
(22) 28.01.2015
(54) SUB-SAMPLING PHASE-LOCKED LOOP
(73) Huawei Technologies Co., Ltd.
(72) JAKOBSSON, Anders

(51) H03L 7/089
(11) EP3255796
(21) EP16305668.2
(47) 08.01.2020
(22) 08.06.2016
(54) METHOD AND APPARATUS FOR GENERATING A CHARGE PUMP CONTROL SIGNAL
(73) NXP USA, Inc.
(72) GOUMBALLA, Birama
PAVAO-MOREIRA, Cristian
SAVARY, Pierre Pascal

(51) H03M 1/00
H03M 1/18
H03M 1/46
(11) EP3322096
(21) EP17800998.1
(47) 08.01.2020
(87) CN2017103046
29.03.2018
(22) 23.09.2017
(54) DAC CAPACITOR ARRAY, SAR ANALOG-TO-DIGITAL CONVERTER AND METHOD FOR REDUCING POWER CONSUMPTION
(73) Shenzhen Goodix Technology Co., Ltd.
(72) FAN, Shuo
(31) PCT/CN2016/099835
(32) 23.09.2016
(33) World Intellectual Property Office (WIPO)

(51) H03M 7/30
(11) EP3069449
(21) EP14805698.9
(47) 08.01.2020
(87) SE2014051339
21.05.2015
(22) 11.11.2014
(54) SPLIT GAIN SHAPE VECTOR CODING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) NORVELL, Erik
TOFTGÅRD, Tomas
GRANCHAROV, Volodya
(31) 201361903024 P
(32) 12.11.2013
(33) United States of America

(51) H03M 7/30
G10L 19/012
G10L 19/18
G10L 19/22
G10L 19/26
(11) EP3376499
(21) EP17195365.6
(47) 08.01.2020
(22) 06.06.2013
(54) SPEECH/AUDIO SIGNAL PROCESSING METHOD AND CODING APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) HU, Chen
LIU, Zexin
MIAO, Lei
(31) 201210223014
(32) 29.06.2012
(33) China

(51) H03M 7/30
H04L 29/06
H04L 29/08
(11) EP2786495
(21) EP12790822.6
(47) 08.01.2020
(87) EP2012071863
06.06.2013
(22) 05.11.2012
(54) METHODS AND DEVICES FOR ENCODING AND DECODING MESSAGES
(73) Canon Kabushiki Kaisha
(72) BELLESSORT, Romain
FABLET, Youenn
RUELLAN, Hervé
(31) PCT/IB2011/055441
(32) 02.12.2011
(33) World Intellectual Property Office (WIPO)

(51) H03M 9/00
H04L 1/00
H04L 25/03
H04L 25/14
H04L 25/49
H04L 29/06
H04L 29/08
H04L 12/709
H04L 12/931
(11) EP3046303
(21) EP13896856.5
(47) 08.01.2020
(87) CN2013086783
14.05.2015
(22) 08.11.2013
(54) DATA DISTRIBUTION METHOD AND DATA AGGREGATE METHOD AND APPARATUSES RELATED THERETO
(73) Huawei Technologies Co., Ltd.
(72) WANG, Xinyuan
YANG, Wenbin

(51) H04B 1/04
H04W 52/24
H04B 17/13
(11) EP1875553
(21) EP06736781.3
(47) 08.01.2020
(87) US2006007517
08.09.2006
(22) 02.03.2006
(54) METHOD AND SYSTEM FOR SELF-CALIBRATING TRANSMIT POWER
(73) Cisco Technology, Inc.
(72) BLECH, Steven
STAGER, Paul
(31) 70716
(32) 02.03.2005
(33) United States of America

(51) H04B 1/28
H04B 1/30
(11) EP3110014
(21) EP14886076.0
(47) 08.01.2020
(87) CN2014073828
24.09.2015
(22) 21.03.2014
(54) SIGNAL PROCESSING METHOD, DEVICE AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) KONG, Xiangming

(51) H04B 1/38
(11) EP3048740
(21) EP14845579.3
(47) 08.01.2020
(87) JP2014072891
26.03.2015
(22) 01.09.2014
(54) ANTENNA MODULE, WIRELESS DEVICE, AND FIELD-DEVICE CONTROL SYSTEM
(73) Yokogawa Electric Corporation
(72) MOCHIZUKI Satoshi
(31) 2013192339
(32) 17.09.2013
(33) Japan

(51) H04B 1/50
(11) EP2903170
(21) EP14153891.8
(47) 08.01.2020
(22) 04.02.2014
(54) Duplexing apparatus, wireless devices and related methods
(73) U-blox AG
(72) Laughlin, Leo
Marshall, Christopher, Dr.

(51) H04B 1/7163
H04L 25/02
H04L 25/03
(11) EP3222015
(21) EP15861545.0
(47) 08.01.2020
(87) US2015060835
26.05.2016
(22) 16.11.2015
(54) DEVICES FOR DETECTING ULTRA-WIDE BAND SIGNALS
(73) Murata Manufacturing Co., Ltd.
(72) MIE, Xin
(31) 201462081976 P
(32) 19.11.2014
(33) United States of America

(51) H04B 3/32
H04B 3/50
H04L 5/00
H04L 12/26
H04L 12/28
H04M 11/06
(11) EP3291491
(21) EP15892112.2
(47) 08.01.2020
(87) CN2015079070

24.11.2016
(22) 15.05.2015
(54) SIGNAL PROCESSING METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) SUN, Fanglin
SHI, Cao
PAN, Zhong
TU, Jianping

(51) H04B 3/32
H04L 27/26
H04M 11/06
H04B 1/38
(11) EP3367581
(21) EP15908076.1
(47) 08.01.2020
(87) CN2015094484
18.05.2017
(22) 12.11.2015
(54) METHOD AND DEVICE FOR DIGITAL SUBSCRIBER LINE INITIALIZATION
(73) Huawei Technologies Co., Ltd.
(72) YI, Xilin
JIA, Xin
ZHOU, Bin
WANG, Xiang

(51) H04B 3/54
H04L 9/08
H04L 29/06
(11) EP3103241
(21) EP14864988.2
(47) 08.01.2020
(87) US2014064399
13.08.2015
(22) 06.11.2014
(54) METHOD AND SYSTEM FOR SECURELY ESTABLISHING CRYPTOGRAPHIC KEYS FOR AIRCRAFT-TO-AIRCRAFT COMMUNICATIONS
(73) The Boeing Company
(72) SAMPIGETHAYA, Radhakrishna G.
(31) 201414175808
(32) 07.02.2014
(33) United States of America

(51) H04B 5/00
H04W 52/22
H04W 52/24
H04W 52/52
(11) EP3319239
(21) EP17199628.3
(47) 08.01.2020
(22) 02.11.2017
(54) METHOD AND SYSTEM FOR AUTOMATIC POWER CONTROL (APC) IN A COMMUNICATIONS DEVICE THAT COMMUNICATES VIA INDUCTIVE COUPLING
(73) NXP B.V.
(72) HUEBER, Gernot
MACNAMARA, Ian Thomas
(31) 201615346506
(32) 08.11.2016
(33) United States of America

(51) H04B 5/00
H04W 52/24
(11) EP3379735
(21) EP18172689.4
(47) 08.01.2020
(22) 13.06.2013
(54) PROCESSING DEVICE, PROCESSING METHOD, AND PROGRAM
(73) Sony Corporation
(72) NAKANO, Hiroaki
KOZAKAI, Osamu
KOMIYAMA, Shinji
FUJIMAKI, Kenichi
(31) 2012141203
(32) 22.06.2012
(33) Japan

(51) H04B 5/02
H04W 4/00
H04W 4/02
(11) EP3249957
(21) EP15882323.7
(47) 08.01.2020
(87) CN2015073207
25.08.2016
(22) 16.02.2015
(54) METHOD, APPARATUS AND SYSTEM FOR ACQUIRING LOCATION INFORMATION OF TARGET OBJECT
(73) Huawei Technologies Co., Ltd.
(72) YU, Xiaobo
LONG, Shuiping
LU, Henghui

(51) H04B 7/00
H04L 5/00
H04W 24/08
H04W 40/12
H04W 72/04
H04W 88/08
H04B 17/309
H04B 7/04
(11) EP3131339
(21) EP14891015.1
(47) 08.01.2020
(87) CN2014076591
05.11.2015
(22) 30.04.2014
(54) CHANNEL MEASUREMENT METHOD AND DEVICE
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) RAO, Xiongbin
LAU, Kin Nang
KONG, Xiangming

(51) H04B 7/005
H04B 7/26
H04L 1/00
H04L 1/20
H04B 17/24
H04B 17/318
(11) EP2183868
(21) EP07794221.7
(47) 08.01.2020
(87) SE2007050616
12.03.2009
(22) 04.09.2007
(54) IMPROVED QUALITY CHANNEL REPORTING IN A TIME DIVISION SYSTEM
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) XIAO, Lei
MAO, Jie
ZHU, Huaisong

(51) H04B 7/06
H04B 7/04
(11) EP3461024
(21) EP18184714.6
(47) 08.01.2020
(22) 29.06.2013
(54) METHOD AND APPARATUS FOR DETERMINING PRECODING MATRIX INDICATOR, USER EQUIPMENT, AND BASE STATION
(73) Huawei Technologies Co., Ltd.
(72) WANG, Jianguo
ZHOU, Yongxing

(51) H04B 7/06
H04B 7/04
H04B 7/0408
(11) EP3127250
(21) EP15844804.3
(47) 08.01.2020
(87) CN2015090768
31.03.2016
(22) 25.09.2015
(54) BEAM MISALIGNMENT DETECTION FOR WIRELESS COMMUNICATION SYSTEM WITH BEAMFORMING
(73) MediaTek Inc.
(72) YU, Chia-Hao
CHANG, Ming-Po
SANG, Aimin Justin
(31) 201462055689 P
201514863492
(32) 26.09.2014
24.09.2015
(33) United States of America
United States of America

(51) H04B 7/06
H04B 7/04
H04B 7/0456
(11) EP3231101
(21) EP16847580.4
(47) 08.01.2020
(87) CN2016107959
20.04.2017
(22) 30.11.2016
(54) METHOD AND DEVICE FOR TRANSMITTING INFORMATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) MIAO, Qingyu
LI, Ming
ZHU, Huaisong
WANG, Jianfeng

(51) H04B 7/06
H04B 7/08
H04B 7/0404
H04B 7/0408
(11) EP3361647
(21) EP18156574.8
(47) 08.01.2020
(22) 13.02.2018
(54) APPARATUSES AND METHODS FOR BEAM SWEEPING IN A WIRELESS COMMUNICATION SYSTEM
(73) MediaTek Inc.
(72) Tsai, Chiou-Wei
Gau, Guo-Hau
Liang, Cheng-Po
Li, Xiu-Sheng
(31) 201762458048 P
201815893885

(32) 13.02.2017
12.02.2018
(33) United States of America
United States of America

(51) H04B 7/06
H04L 1/00
H04L 1/06
H04L 5/00
H04W 28/10
H04W 72/04
H04W 72/08
H04W 84/12
H04W 4/70
(11) EP3133762
(21) EP16184653.0
(47) 08.01.2020
(22) 18.08.2016
(54) METHOD FOR FEEDING BACK CHANNEL STATE IN WIRELESS COMMUNICATION SYSTEM AND DEVICE THEREFOR
(73) LG ELECTRONICS INC.
(72) CHUN, Jinyoung
RYU, Kiseon
KIM, Jeongki
CHOI, Jinsoo
LIM, Dongguk
CHO, Hangyu
KIM, Jinmin
PARK, Eunsung
(31) 201562206862 P
201562209899 P
201562264836 P
(32) 19.08.2015
26.08.2015
08.12.2015
(33) United States of America
United States of America
United States of America

(51) H04B 7/06
H04L 5/00
H04L 27/26
(11) EP3058785
(21) EP15843580.0
(47) 08.01.2020
(87) CN2015087894
31.03.2016
(22) 24.08.2015
(54) SYNCHRONIZATION IN A BEAMFORMING SYSTEM
(73) MediaTek Inc.
(72) GUEY, Jiann-Ching
SU, Chao-Cheng
CHEN, Ju-Ya
(31) 201462054485 P
201462054488 P
201514725138
(32) 24.09.2014
24.09.2014
29.05.2015
(33) United States of America
United States of America
United States of America

(51) H04B 7/06
H04L 5/00
H04L 27/26
H04W 16/16
H04W 64/00
H04B 7/02
(11) EP2890024
(21) EP13842014.6
(47) 08.01.2020
(87) CN2013082508
03.04.2014
(22) 29.08.2013
(54) METHOD, SYSTEM, AND APPARATUS FOR NOTIFYING AND DETERMINING ANTENNA PORT POSITION RELATIONSHIP
(73) ZTE Corporation
(72) SUN, Yunfeng
GUO, Senbao
LI, Yu Ngok
CHEN, Yijian
(31) 201210363660
(32) 26.09.2012
(33) China

(51) H04B 7/06
H04L 25/02
H04B 7/04
(11) EP3065306
(21) EP13896251.9
(47) 08.01.2020
(87) CN2013086428
07.05.2015
(22) 01.11.2013
(54) CHANNEL ESTIMATION METHOD AND APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) LV, Rui

(51) H04B 7/06
H04W 72/04
H04B 7/024
(11) EP3535856
(21) EP17794711.6
(47) 08.01.2020
(87) EP2017078210
11.05.2018
(22) 03.11.2017
(54) METHODS AND SYSTEMS FOR BEAM TRACKING PROCESS MANAGEMENT AND INDICES
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) GRANT, Stephen
FRENNE, Mattias
KARIPIDIS, Eleftherios
NILSSON, Andreas
(31) 201662417785 P
201762520078 P
(32) 04.11.2016
15.06.2017
(33) United States of America
United States of America

(51) H04B 7/08
H04J 3/00
H04L 7/00
(11) EP3076571
(21) EP14865089.8
(47) 08.01.2020
(87) JP2014080319
04.06.2015
(22) 17.11.2014
(54) SIGNAL PROCESSING DEVICE, SIGNAL PROCESSING METHOD, AND PROGRAM
(73) Sony Semiconductor Solutions Corporation
(72) YOSHIMOCHI Naoki
OKADA Satoshi
NAKANE Misa
(31) 2013244954
(32) 27.11.2013
(33) Japan

(51) H04B 7/08
H04L 25/02
(11) EP3132580
(21) EP14722667.4
(47) 08.01.2020
(87) EP2014059401
12.11.2015
(22) 08.05.2014
(54) CHANNEL ESTIMATION IN WIRELESS COMMUNICATION NETWORK NODE
(73) Huawei Technologies Co., Ltd.
(72) SIHLBOM, Björn

(51) H04B 7/14
(11) EP3217570
(21) EP17162953.8
(47) 08.01.2020
(22) 29.11.2013
(54) SYSTEMS AND METHODS FOR PACKET RELAYING
(73) Huawei Technologies Co., Ltd.
(72) KWON, Younghoon
YANG, Yunsong
RONG, Zhigang
(31) 201261734818 P
201314073028
(32) 07.12.2012
06.11.2013
(33) United States of America
United States of America

(51) H04B 7/26
H04L 1/18
(11) EP2936705
(21) EP13864904.1
(47) 08.01.2020
(87) US2013048628
26.06.2014
(22) 28.06.2013
(54) WIRELESS STATION AND METHODS FOR TOF POSITIONING USING REVERSE-DIRECTION GRANT
(73) Intel Corporation
(72) STEPHENS, Adrian P.
AMIZUR, Yuval
SEGEV, Jonathan
(31) 201261738716 P
(32) 18.12.2012
(33) United States of America

(51) H04B 7/26
H04W 68/00
H04W 68/02
H04W 74/00
H04W 74/08
H04W 76/10
(11) EP1943854
(21) EP06798581.2
(47) 08.01.2020
(87) KR2006003419
10.05.2007
(22) 30.08.2006
(54) METHOD OF TRANSMITTING AND RECEIVING WIRELESS RESOURCE INFORMATION

(73) LG Electronics Inc.
(72) LEE, Young Dae
CHUN, Sung Duck
JUNG, Myung Cheul
PARK, Seong Jun
(31) 20050103919
(32) 01.11.2005
(33) Korea (Republic)

(51) H04B 10/116
(11) EP3292641
(21) EP16744872.9
(47) 08.01.2020
(87) NL2016050318
10.11.2016
(22) 03.05.2016
(54) METHOD FOR CHANGING THE IDENTIFICATION CODE OF A LIGHT SOURCE IN VISIBLE LIGHT COMMUNICATION SYSTEMS
(73) eldoLAB Holding B.V.
(72) SAES, Marc
LYDECKER, Stephen Haight
(31) 2014776
(32) 07.05.2015
(33) Netherlands

(51) H04B 10/116
(11) EP3264637
(21) EP17182780.1
(47) 08.01.2020
(22) 09.08.2013
(54) APPARATUS AND METHOD FOR DATA EMBEDDING IN LIGHT COMMUNICATION AND THE LIGHT COMMUNICATION SYSTEM AND METHOD THEREOF
(73) Industrial Technology Research Institute
(72) Chen, Chia-Pin
Hsiao, Chang-Lung
Chen, Ren-Jr
Hsu, Pei-Wei
(31) 201213726394
(32) 24.12.2012
(33) United States of America

(51) H04H 20/72
H04H 40/18
(11) EP2676387
(21) EP12703524.4
(47) 08.01.2020
(87) EP2012052193
23.08.2012
(22) 09.02.2012
(54) DIGITAL RECEIVER AND DIGITAL TRANSMITTER HAVING A VARIABLE INTERLEAVER FUNCTIONALITY
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) ANORGA GOMES, Amaia
BREILING, Marco
STADALI, Holger
(31) 201161444248 P
11155018
(32) 18.02.2011
18.02.2011
(33) United States of America
European Patent Office (EPO)

(51) H04J 3/06
(11) EP1530841
(21) EP03788391.5
(47) 08.01.2020
(87) US2003025182
26.02.2004
(22) 12.08.2003
(54) COMMUNICATION SYSTEM FOR SENDING AND RECEIVING DATA ONTO AND FROM A NETWORK AT A NETWORK FRAME RATE SYNCHRONIZING CLOCKS GENERATED FROM THE NETWORK FRAME RATE
(73) Standard Microsystems Corporation
(72) KNAPP, David, J.
AKKIHAL, Shivanand, I.
MADDOX, John, G.
GAALAAS, Joseph, B.
WINKELMANN, Matthias
(31) 218351
218349
218361
(32) 14.08.2002
14.08.2002
14.08.2002
(33) United States of America
United States of America
United States of America

(51) H04J 3/06
H04W 56/00
(11) EP3223567
(21) EP15861042.8
(47) 08.01.2020
(87) CN2015094503
26.05.2016
(22) 13.11.2015
(54) TIME SYNCHRONIZATION METHOD AND APPARATUS
(73) China Mobile Communications Corporation
(72) HAN, Liuyan
LI, Han
(31) 201410655696
(32) 17.11.2014
(33) China

(51) H04J 11/00
H04L 1/18
H04W 28/04
H04W 28/06
H04W 72/04
(11) EP2552150
(21) EP11759607.2
(47) 08.01.2020
(87) JP2011057428
29.09.2011
(22) 25.03.2011
(54) COMMUNICATION METHOD, MOBILE STATION DEVICE, BASE STATION DEVICE, AND MOBILE COMMUNICATION SYSTEM
(73) Sharp Kabushiki Kaisha
(72) AIBA, Tatsushi
YAMADA, Shohei
SUZUKI, Shoichi
(31) 2010069514
(32) 25.03.2010
(33) Japan

(51) H04J 11/00
H04L 5/00
H04L 12/24
H04W 24/08
H04W 24/10
H04W 48/00
H04W 48/16
H04W 52/02
H04W 56/00
H04W 74/00
H04W 88/02
H04W 88/08
H04B 17/318
(11) EP3420746
(21) EP17710645.7
(47) 08.01.2020
(87) US2017019544
31.08.2017
(22) 25.02.2017
(54) DISCOVERY REFERENCE SIGNAL TRANSMISSION WINDOW DETECTION AND DISCOVERY REFERENCE SIGNAL MEASUREMENT CONFIGURATION
(73) QUALCOMM Incorporated
(72) RADULESCU, Andrei
PATEL, Chirag
LUO, Tao
CHENDAMARAI KANNAN, Arumugam
(31) 201662300718 P
201662318742 P
201715441222
(32) 26.02.2016
05.04.2016
23.02.2017
(33) United States of America
United States of America
United States of America

(51) H04J 11/00
H04L 5/00
H04W 72/12
(11) EP3382926
(21) EP18165392.4
(47) 08.01.2020
(22) 03.04.2018
(54) APPARATUS, TERMINAL AND SIGNAL TRANSMITTING AND RECEIVING METHOD THEREOF IN A WIRELESS COMMUNICATION SYSTEM
(73) Samsung Electronics Co., Ltd.
(72) Choi, Chanho
Shim, Seijoon
Kim, Chongdon
Yang, Hayoung
(31) 20170042198
20180036849
(32) 31.03.2017
29.03.2018
(33) Korea (Republic)
Korea (Republic)

(51) H04J 11/00
H04W 74/08
(11) EP2543225
(21) EP11751488.5
(47) 08.01.2020
(87) US2011027325
09.09.2011
(22) 05.03.2011
(54) CONTENTION-BASED TRANSMISSION WITH CONTENTION-FREE FEEDBACK FOR REDUCING LATENCY IN LTE ADVANCED NETWORKS AND ENHANCED PUCCH

(73) Intel Corporation
(72) YANG, Xiangying
ZHU, Yuan
LI, Qinghua
(31) 311174 P
(32) 05.03.2010
(33) United States of America

(51) H04J 13/16
H04W 72/04
H04B 7/0456
(11) EP3236634
(21) EP15869156.8
(47) 08.01.2020
(87) CN2015094938
23.06.2016
(22) 18.11.2015
(54) METHOD AND DEVICE FOR CONFIGURING AND DETERMINING A CODE SUPERPOSITION-BASED MULTIUSER ENCODING MODE
(73) China Academy of Telecommunications Technology
(72) KANG, Shaoli
QIN, Fei
DAI, Xiaoming
PENG, Ying
(31) 201410784398
(32) 16.12.2014
(33) China

(51) H04J 14/02
(11) EP3174227
(21) EP15306877.0
(47) 08.01.2020
(22) 26.11.2015
(54) AN OPTICAL NODE FOR MANAGING OPTICAL SIGNALS ON MAIN AND PROTECTIVE LIGTHPATHS
(73) Alcatel Lucent
(72) LAYEC, Patricia
ANTONA, Jean-Christophe
BISSON, Arnaud

(51) H04J 14/02
H04B 10/079
H04B 10/572
(11) EP3379743
(21) EP16890186.6
(47) 08.01.2020
(87) CN2016074041
24.08.2017
(22) 18.02.2016
(54) WAVELENGTH CONTROL METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) LIU, Wei

(51) H04J 14/02
H04L 1/00
H04L 7/04
H04L 25/49
H04L 29/06
H04Q 11/00
H04B 10/077
(11) EP3216192
(21) EP15859832.6
(47) 08.01.2020
(87) CN2015094070
19.05.2016
(22) 07.11.2015
(54) ADDING OPERATIONS, ADMINISTRATION, AND MAINTENANCE (OAM) INFORMATION IN 66-BIT CODE
(73) Huawei Technologies Co., Ltd.
(72) EFFENBERGER, Frank
LUO, Yuanqiu
(31) 201462077467 P
201514933939
(32) 10.11.2014
05.11.2015
(33) United States of America
United States of America

(51) H04J 14/02
H04L 29/06
H04Q 11/00
(11) EP3174228
(21) EP16199618.6
(47) 08.01.2020
(22) 18.11.2016
(54) UPGRADING PON SYSTEMS USING A MULTI-CYCLE FIELD AWG
(73) Google LLC
(72) DU, Liang
ZHAO, Xiangjun
LAM, Cedric Fung
WANG, Daoyi
JIANG, Changhong Joy
(31) 201514952321
(32) 25.11.2015
(33) United States of America

(51) H04J 14/02
H04Q 11/00
H04B 10/038
H04B 10/25
(11) EP3402101
(21) EP18160102.2
(47) 08.01.2020
(22) 15.07.2014
(54) PASSIVE OPTICAL NETWORK COMMUNICATIONS METHOD, APPARATUS AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) GAO, Bo

(51) H04L 1/00
H04L 1/08
(11) EP3293903
(21) EP17183597.8
(47) 08.01.2020
(22) 27.07.2017
(54) DEVICE AND METHOD FOR TRANSFERRING DATA
(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(72) Hehn, Dr. Thorsten
(31) 102016215238
102016225224
(32) 16.08.2016
16.12.2016
(33) Germany
Germany

(51) H04L 1/00
H04L 1/08
H04L 1/18
H04W 72/12
(11) EP3264657
(21) EP17184260.2
(47) 08.01.2020
(22) 24.04.2002
(54) RESCHEDULING SCHEDULED TRANSMISSIONS
(73) QUALCOMM Incorporated
(72) ODENWALDER, Joseph, P.
SARKAR, Sandip
WEI, Yongbin
(31) 843404
(32) 26.04.2001
(33) United States of America

(51) H04L 1/00
H04L 1/16
H04L 1/18
(11) EP3437230
(21) EP17716322.7
(47) 08.01.2020
(87) SE2017050306
05.10.2017
(22) 30.03.2017
(54) METHODS AND DEVICES HANDLING MULTICAST FEEDBACK
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) BELLESCHI, Marco
SORRENTINO, Stefano
BERGMAN, Johan
YANG, Yu
(31) 201662317186 P
(32) 01.04.2016
(33) United States of America

(51) H04L 1/00
H04L 1/16
H04L 1/18
(11) EP3487099
(21) EP18214563.1
(47) 18.12.2019
(22) 21.09.2009
(54) MULTIPLE CARRIER ACKNOWLEDGMENT SIGNALING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) Bergman, Johan
Wang, Yi-Pin, Eric
Larsson, Erik
(31) 9934108 P
10128808 P
50250609
(32) 23.09.2008
30.09.2008
14.07.2009
(33) United States of America
United States of America
United States of America

(51) H04L 1/00
H04L 1/16
H04L 1/18
H04L 29/06
H04W 60/04
H04W 72/04
H04W 72/12
(11) EP3422790
(21) EP18189085.6
(47) 08.01.2020
(22) 24.05.2007
(54) UPLINK SCHEDULING AND RESOURCE ALLOCATION WITH FAST INDICATION
(73) BlackBerry Limited
(72) CAI, Zhijun
WOMACK, James
SUZUKI, Takashi

(31) 741562
(32) 27.04.2007
(33) United States of America

(51) H04L 1/00
H04L 1/20
H04L 27/233
(11) EP3361659
(21) EP17155290.4
(47) 08.01.2020
(22) 08.02.2017
(54) DPSK RECEIVER MODULE
(73) NXP B.V.
(72) Kessel, Martin

(51) H04L 1/00
H04L 5/00
H04W 24/00
H04W 72/04
(11) EP3363230
(21) EP16862561.4
(47) 08.01.2020
(87) SE2016051081
11.05.2017
(22) 03.11.2016
(54) METHODS AND APPARATUSES FOR CONFIGURATION OF MEASUREMENT RESTRICTIONS
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) FRENNE, Mattias
HARRISON, Robert Mark
GAO, Shiwei
MURUGANATHAN, Siva
(31) 201562250607 P
(32) 04.11.2015
(33) United States of America

(51) H04L 1/00
H04L 5/00
H04W 72/04
(11) EP3242517
(21) EP15878377.9
(47) 08.01.2020
(87) CN2015071242
28.07.2016
(22) 21.01.2015
(54) RESOURCE ALLOCATION METHOD, BASE STATION AND USER EQUIPMENT
(73) Huawei Technologies Co., Ltd.
(72) WEI, Dongdong
ZHANG, Yi
TANG, Hao
TANG, Zhenfei

(51) H04L 1/00
H04L 5/00
H04W 72/04
(11) EP2562949
(21) EP11772281.9
(47) 08.01.2020
(87) KR2011002957
27.10.2011
(22) 22.04.2011
(54) METHOD AND APPARATUS FOR TRANSMITTING UPLINK CONTROL INFORMATION IN A CARRIER AGGREGATION SYSTEM
(73) LG Electronics Inc.
(72) KIM, Min Gyu
SEO, Dong Youn
AHN, Joon Kui
YANG, Suck Chel

(31) 359837 P
327082 P
(32) 30.06.2010
22.04.2010
(33) United States of America
United States of America

(51) H04L 1/00
H04W 40/24
H04W 48/18
H04L 12/725
(11) EP2939377
(21) EP13869568.9
(47) 08.01.2020
(87) US2013071657
03.07.2014
(22) 25.11.2013
(54) INTELLIGENT ROUTING OF NETWORK PACKETS ON TELECOMMUNICATION DEVICES
(73) T-Mobile USA, Inc.
(72) ZHANG, Hongliang
TAPIA, Pablo
MCDIARMID, Mark
(31) 201213732111
(32) 31.12.2012
(33) United States of America

(51) H04L 1/08
H04W 28/10
(11) EP1971870
(21) EP06827846.4
(47) 08.01.2020
(87) US2006044436
02.08.2007
(22) 15.11.2006
(54) SYSTEM AND METHOD FOR IMPLEMENTING A PREEMPTIVE RETRANSMIT FOR ERROR RECOVERY IN A COMMUNICATIONS ENVIRONMENT
(73) Cisco Technology, Inc.
(72) BORDONARO, Frank, G.
FUSSELL, John, P.
PEARCE, Bernie, P.
SCHMIDT, Paul, A.
SELLENTIN, Uwe
(31) 330578
(32) 12.01.2006
(33) United States of America

(51) H04L 1/16
H04L 1/18
H04L 5/00
H04L 5/14
H04L 27/26
H04W 72/14
H04W 74/02
H04W 74/04
H04W 74/08
H04W 84/12
(11) EP3098995
(21) EP14885152.0
(47) 08.01.2020
(87) CN2014073115
17.09.2015
(22) 10.03.2014
(54) DATA TRANSMISSION METHOD, SENDER DEVICE AND RECEIVER DEVICE
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) NI, Rui
LUO, Yi

(51) H04L 1/18
(11) EP3326314
(21) EP17734969.3
(47) 08.01.2020
(87) CN2017087565
05.04.2018
(22) 08.06.2017
(54) METHOD FOR HYBRID AUTOMATIC REPEAT REQUEST PROCESS, NETWORK DEVICE AND TERMINAL DEVICE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LI, Gen
LIU, Jinhua
SHI, Cong
(31) PCT/CN2016/101068
(32) 30.09.2016
(33) World Intellectual Property Office (WIPO)

(51) H04L 1/18
(11) EP2984778
(21) EP14783187.9
(47) 08.01.2020
(87) KR2014001182
16.10.2014
(22) 13.02.2014
(54) METHOD AND DEVICE FOR TRANSMITTING UPLINK DATA IN SUPPORT OF MULTI-SUBFRAME SCHEDULING
(73) Samsung Electronics Co., Ltd.
(72) LI, Yingyang
SUN, Chengjun
(31) 201310126251
(32) 12.04.2013
(33) China

(51) H04L 1/18
(11) EP3018854
(21) EP13890665.6
(47) 08.01.2020
(87) CN2013080431
05.02.2015
(22) 30.07.2013
(54) DATA TRANSMISSION METHOD, BASE STATION AND USER EQUIPMENT
(73) Huawei Technologies Co., Ltd.
(72) QUAN, Wei
YANG, Xiaodong
HU, Zhenxing
ZHANG, Jian

(51) H04L 1/18
H04L 5/00
(11) EP3319256
(21) EP15899188.5
(47) 08.01.2020
(87) CN2015085208
02.02.2017
(22) 27.07.2015
(54) RESPONSE INFORMATION SENDING AND RECEIVING METHOD, AND RECEIVING DEVICE AND SENDING DEVICE
(73) Huawei Technologies Co., Ltd.
(72) LI, Chaojun
CHEN, Xiaobo

(51) H04L 1/18

(51) H04L 5/00
H04L 27/26
H04W 72/04
(11) EP3200525
(21) EP14903524.8
(47) 08.01.2020
(87) CN2014088335
14.04.2016
(22) 11.10.2014
(54) LTE-U CARRIER WAVE INFORMATION TRANSMISSION METHOD, BASE STATION, AND USER DEVICE
(73) Huawei Technologies Co., Ltd.
(72) WANG, Jian

(51) H04L 1/18
H04W 72/04
(11) EP3032900
(21) EP13890897.5
(47) 08.01.2020
(87) CN2013081214
12.02.2015
(22) 09.08.2013
(54) METHOD AND DEVICE FOR FRAME ACKNOWLEDGEMENT
(73) Beijing Nufront Mobile Multimedia Tech. Co., Ltd.
(72) LIU, Shenfa
BAO, Dongshan

(51) H04L 1/18
H04W 72/04
H04W 72/12
H04W 74/00
H04W 74/08
(11) EP3386263
(21) EP18174088.7
(47) 08.01.2020
(22) 15.06.2010
(54) ENHANCED RANDOM ACCESS PROCEDURE FOR MOBILE COMMUNICATIONS
(73) Panasonic Corporation
(72) LOEHR, Joachim
GONSA, Osvaldo
FEUERSAENGER, Martin
SUZUKI, Hidetoshi
(31) 09163134
(32) 18.06.2009
(33) European Patent Office (EPO)

(51) H04L 1/20
H04L 27/26
(11) EP2837125
(21) EP13717830.7
(47) 08.01.2020
(87) GB2013050921
17.10.2013
(22) 10.04.2013
(54) OFDM SIGNAL TO NOISE RATIO DETECTOR AND METHOD
(73) Frontier Silicon Limited
(72) TANG-RICHARDSON, Mel
EMERSON, Christopher Michael
(31) 201206364
(32) 11.04.2012
(33) United Kingdom

(51) H04L 5/00
(11) EP3491770
(21) EP17793946.9
(47) 08.01.2020
(87) EP2017078219
11.05.2018
(22) 03.11.2017
(54) SHORT PHYSICAL DOWNLINK CONTROL CHANNEL (SPDCCH) MAPPING DESIGN
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SOLANO ARENAS, John Camilo
ANDGART, Niklas
FALCONETTI, Laetitia
(31) 201662418063 P
(32) 04.11.2016
(33) United States of America

(51) H04L 5/00
(11) EP3459201
(21) EP18737437.6
(47) 18.12.2019
(87) SE2018050629
20.12.2018
(22) 15.06.2018
(54) JOINT RESOURCE MAP DESIGN OF DM-RS AND PT-RS
(73) Telefonaktiebolaget LM Ericsson (Publ)
(72) WANG, Zhao
LINDBOM, Lars
WERNER, Karl
MOLES CASES, Vicent
(31) 201762521078 P
(32) 16.06.2017
(33) United States of America

(51) H04L 5/00
H04B 17/24
H04B 17/364
(11) EP3113394
(21) EP15755837.0
(47) 08.01.2020
(87) KR2015001190
03.09.2015
(22) 05.02.2015
(54) METHOD AND APPARATUS FOR GENERATING SIGNAL FOR LOW LATENCY IN WIRELESS COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) KO, Hyunsoo
CHO, Heejeong
CHOI, Hyeyoung
BYUN, Ilmu
PARK, Kungmin
(31) 201461945831 P
(32) 28.02.2014
(33) United States of America

(51) H04L 5/00
H04L 27/00
(11) EP3111581
(21) EP15708384.1
(47) 08.01.2020
(87) US2015016031
03.09.2015
(22) 16.02.2015
(54) TECHNIQUES FOR REPORTING CHANNEL STATE INFORMATION (CSI) FOR AN UNLICENSED RADIO FREQUENCY SPECTRUM BAND
(73) Qualcomm Incorporated
(72) LUO, Tao
CHEN, Wanshi
(31) 201461944788 P
201414567573
(32) 26.02.2014
11.12.2014
(33) United States of America
United States of America

(51) H04L 5/00
H04L 27/26
(11) EP3447985
(21) EP18198480.8
(47) 08.01.2020
(22) 27.03.2009
(54) PILOT PATTERN GENERATION FOR IRREGULAR SUBFRAMES
(73) Industrial Technology Research Institute
(72) Ho, Chung-Lien
Chen, Ren-Jr
Zheng, Yan-Xiu
(31) 60780 P
61992 P
73479 P
79108 P
406394
(32) 11.06.2008
16.06.2008
18.06.2008
08.07.2008
18.03.2009
(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
H04W 4/08
H04W 72/00
H04W 72/04
(11) EP2868124
(21) EP13813237.8
(47) 08.01.2020
(87) US2013047940
09.01.2014
(22) 26.06.2013
(54) USER EQUIPMENT, EVOLVED NODE B, AND METHOD FOR MULTICAST DEVICE-TO-DEVICE COMMUNICATIONS
(73) Intel Corporation
(72) ETEMAD, Kamran
(31) 201261667325 P
201213716919
(32) 02.07.2012
17.12.2012
(33) United States of America
United States of America

(51) H04L 5/00
H04W 8/02
H04W 52/02
H04W 68/02
H04W 72/04
(11) EP3244662
(21) EP16168691.0
(47) 08.01.2020
(22) 09.05.2016
(54) METHOD AND DEVICE FOR GAIN ADJUSTMENT IN MOBILITY MEASUREMENTS
(73) Intel IP Corporation
(72) KURTH, Mathias

BAER, Siegfried

(51) H04L 5/00
H04W 24/10
(11) EP3021608
(21) EP14782801.6
(47) 08.01.2020
(87) CN2014076287
16.10.2014
(22) 25.04.2014
(54) EFFICIENT INTERFERENCE MEASUREMENT TECHNIQUES IN WIRELESS COMMUNICATION SYSTEMS
(73) ZTE Corporation
(72) GONG, Yuhong
SUN, Yunfeng
LI, Yu Ngok
(31) 201310292228
(32) 11.07.2013
(33) China

(51) H04L 5/00
H04W 28/26
H04W 52/00
H04W 74/08
H04W 84/12
H04W 88/10
(11) EP3100509
(21) EP15743527.2
(47) 08.01.2020
(87) US2015013473
06.08.2015
(22) 29.01.2015
(54) SYSTEMS, METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL
(73) Intel IP Corporation
(72) JEON, Jeongho
NIU, Huaning
PAPATHANASSIOU, Apostolos
ZONG, Pingping
FONG, Mo-Han
FWU, Jong-Kae
IBARS CASAS, Christian
WU, Geng
LI, Qinghua
(31) 201461933856 P
201414498679
(32) 30.01.2014
26.09.2014
(33) United States of America
United States of America

(51) H04L 5/00
H04W 36/08
H04W 48/12
H04W 72/04
H04W 74/00
H04W 74/08
H04W 88/08
(11) EP2728788
(21) EP14152920.6
(47) 08.01.2020
(22) 21.08.2009
(54) METHODS AND APPARATUSES FOR RESOURCE ALLOCATION FOR RANDOM ACCESS IN WIRELESS TELECOMMUNICATION SYSTEMS WITH CARRIER-AGGREGATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) Pelletier, Ghyslain
Wager, Stefan
Parkvall, Stefan
Stattin, Magnus
(31) 172813
(32) 27.04.2009
(33) United States of America

(51) H04L 5/00
H04W 72/02
H04W 72/04
(11) EP2368398
(21) EP09760437.5
(47) 08.01.2020
(87) US2009065885
17.06.2010
(22) 25.11.2009
(54) METHOD AND APPARATUS FOR UTILIZING A PLURALITY OF UPLINK CARRIERS AND A PLURALITY OF DOWNLINK CARRIERS
(73) InterDigital Patent Holdings, Inc.
(72) CAVE, Christopher, R.
PANI, Diana
PELLETIER, Benoit
MARINIER, Paul
(31) 117854 P
141926 P
168750 P
(32) 25.11.2008
31.12.2008
13.04.2009
(33) United States of America
United States of America
United States of America

(51) H04L 5/00
H04W 72/04
(11) EP3437237
(21) EP17717965.2
(47) 08.01.2020
(87) US2017024529
05.10.2017
(22) 28.03.2017
(54) USER EQUIPMENTS, BASE STATIONS AND METHODS FOR PUSCH TRANSMISSION
(73) Sharp Kabushiki Kaisha
(72) NOGAMI, Toshizo
YIN, Zhanping
(31) 201662314717 P
201715470656
(32) 29.03.2016
27.03.2017
(33) United States of America
United States of America

(51) H04L 5/00
H04W 72/04
(11) EP3051737
(21) EP15167898.4
(47) 08.01.2020
(22) 15.05.2015
(54) LOGICAL CHANNEL PRIORITIZATION PROCEDURE FOR SIDELINK LOGICAL CHANNELS IN MCPTT-PROSE DIRECT COMMUNICATIONS
(73) Panasonic Intellectual Property Corporation of America
(72) LOEHR, Joachim
BASU MALLICK, Prateek
HORI, Takako
SUZUKI, Hidetoshi
(31) 15153298
(32) 30.01.2015
(33) European Patent Office (EPO)

(51) H04L 5/14
H04W 52/14
H04W 52/32
H04W 52/38
H04W 52/54
H04W 52/58
H04W 72/04
(11) EP2983423
(21) EP14778514.1
(47) 08.01.2020
(87) JP2014059894
09.10.2014
(22) 03.04.2014
(54) TERMINAL APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT
(73) Sharp Kabushiki Kaisha
(72) OUCHI Wataru
AIBA, Tatsushi
SUZUKI, Shoichi
YOKOMAKURA, Kazunari
IMAMURA, Kimihiko
(31) 2013078217
(32) 04.04.2013
(33) Japan

(51) H04L 5/14
H04W 74/08
(11) EP3411998
(21) EP16711705.0
(47) 08.01.2020
(87) TR2016050027
10.08.2017
(22) 04.02.2016
(54) SYNCHRONIZED-CONTENTION WINDOW FULL-DUPLEX MAC PROTOCOL FOR ENABLING FULL-DUPLEX COMMUNICATION IN WIRELESS LOCAL AREA NETWORK
(73) Sabanci Üniversitesi
(72) GURBUZ, Ozgur
MARLALI, Deniz

(51) H04L 9/00
(11) EP2195960
(21) EP08835523.5
(47) 08.01.2020
(87) US2008078847
09.04.2009
(22) 03.10.2008
(54) CONTENT SERIALIZATION BY VARYING CONTENT PROPERTIES, INCLUDING VARYING MASTER COPY WATERMARK PROPERTIES
(73) Digimarc Corporation
(72) SAMTANI, Rajan
MEYER, Joel R.
SHARMA, Ravi K.
(31) 978077 P
(32) 05.10.2007
(33) United States of America

(51) H04L 9/06
H04L 9/08
H04L 9/20

H04L 9/30
H04L 9/32
H04L 29/06
(11) EP3085008
(21) EP14871587.3
(47) 08.01.2020
(87) US2014071056
25.06.2015
(22) 18.12.2014
(54) PROVIDING FORWARD SECRECY IN A TERMINATING TLS CONNECTION PROXY
(73) AKAMAI TECHNOLOGIES, INC.
(72) GERO, Charles E.
LISIECKI, Philip A.
(31) 201361917677 P
201414573894
(32) 18.12.2013
17.12.2014
(33) United States of America
United States of America

(51) H04L 9/08
(11) EP3262783
(21) EP15801180.9
(47) 08.01.2020
(87) EP2015077889
01.06.2017
(22) 27.11.2015
(54) DISTRIBUTION AND VERIFICATION OF TRANSACTION INTEGRITY KEYS
(73) Hewlett Packard Enterprise Development LP
(72) CHEN, Liqun
EDWARDS, Nigel

(51) H04L 9/08
G06F 21/57
G06F 9/30
(11) EP2645294
(21) EP13160032.2
(47) 08.01.2020
(22) 19.03.2013
(54) SYSTEM AND METHOD FOR TRUSTED PLATFORM ATTESTATION
(73) Cisco Technology, Inc.
(72) Jacobs, William E.
(31) 201213434535
(32) 29.03.2012
(33) United States of America

(51) H04L 9/08
H04L 9/30
H04L 9/32
(11) EP3444999
(21) EP18186270.7
(47) 08.01.2020
(22) 30.07.2018
(54) METHOD FOR GENERATING A PUBLIC/PRIVATE KEY PAIR AND PUBLIC KEY CERTIFICATE FOR AN INTERNET OF THINGS DEVICE
(73) NXP B.V.
(72) Doliwa, Peter
(31) 201715676085
(32) 14.08.2017
(33) United States of America

(51) H04L 9/08
H04L 9/32
(11) EP2979393
(21) EP14716963.5
(47) 08.01.2020
(87) IB2014060184
02.10.2014
(22) 26.03.2014
(54) AUTHENTICATION METHOD
(73) IDCAPT
(72) SERRADELL, Didier
ANDRE, Noël
(31) 1352843
(32) 28.03.2013
(33) France

(51) H04L 9/08
H04L 9/32
H04W 4/80
(11) EP3384627
(21) EP16804692.8
(47) 08.01.2020
(87) EP2016002005
08.06.2017
(22) 28.11.2016
(54) METHOD AND APPARATUS FOR SECURELY STORING ELECTRONIC IDENTIFICATION DOCUMENTS ON A MOBILE TERMINAL
(73) Giesecke+Devrient Mobile Security GmbH
(72) EICHHOLZ, Jan
SCHMALZ, Frank
(31) 102015015502
(32) 30.11.2015
(33) Germany

(51) H04L 9/08
H04L 12/24
(11) EP2641354
(21) EP11830086.2
(47) 08.01.2020
(87) IB2011055091
24.05.2012
(22) 15.11.2011
(54) METHODS AND DEVICES FOR MAINTAINING A DOMAIN
(73) Koninklijke Philips N.V.
(72) LIU, Yong, Liang
MA, Fulong
LI, Hui
WANG, Changjie
(31) PCT/CN2010/078860
(32) 18.11.2010
(33) World Intellectual Property Office (WIPO)

(51) H04L 9/08
H04L 29/06
H04L 29/08
H04W 12/00
H04W 12/04
H04W 12/08
G06F 21/44
G06F 21/57
H04W 4/00
(11) EP3180933
(21) EP15832260.2
(47) 08.01.2020
(87) US2015034280
18.02.2016
(22) 04.06.2015
(54) NETWORK-ENABLED DEVICE PROVISIONING
(73) Intel Corporation
(72) POGORELIK, Oleg
LEVY, Efrat
NAYSHTUT, Alex
(31) 201414456509
(32) 11.08.2014
(33) United States of America

(51) H04L 9/32
H04L 29/06
G06F 21/31
G06F 21/62
(11) EP3480715
(21) EP18800464.2
(47) 18.12.2019
(87) JP2018017793
14.03.2019
(22) 08.05.2018
(54) USER AUTHENTICATION METHOD, EVALUATION DEVICE, PROGRAM AND USER AUTHENTICATION SYSTEM
(73) Capy Japan Inc.
(72) WATANABE, Takanobu
OKADA, Mitsuo
(31) 2017173799
(32) 11.09.2017
(33) Japan

(51) H04L 12/18
H04L 12/58
(11) EP3373529
(21) EP15909040.6
(47) 08.01.2020
(87) CN2015095558
01.06.2017
(22) 25.11.2015
(54) METHOD, DEVICE AND SYSTEM FOR SENDING A MESSAGE
(73) Huawei Technologies Co., Ltd.
(72) LIAO, Tao

(51) H04L 12/22
H04L 12/26
H04L 29/06
H04L 29/08
G06F 21/55
G06F 21/57
G06F 21/60
(11) EP3161999
(21) EP15815541.6
(47) 08.01.2020
(87) US2015037353
07.01.2016
(22) 24.06.2015
(54) METHOD AND SYSTEM FOR SECURE DELIVERY OF INFORMATION TO COMPUTING ENVIRONMENTS
(73) Intuit Inc.
(72) LIETZ, M., Shannon
CABRERA, Luis, Felipe
BISHOP, Thomas
WEAVER, Brett
BRINKLEY, Capen
(31) 201414319286
(32) 30.06.2014
(33) United States of America

(51) H04L 12/24
(11) EP3402121
(21) EP16888844.4
(47) 08.01.2020
(87) CN2016073730
10.08.2017
(22) 06.02.2016
(54) METHOD AND DEVICE FOR POLICY TRANSMISSION IN NFV SYSTEM

(73) Huawei Technologies Co., Ltd.
(72) XIA, Haitao
YU, Fang
(51) H04L 12/24
(11) EP3273639
(21) EP17178254.3
(47) 08.01.2020
(22) 28.06.2017
(54) SYSTEMS AND METHODS FOR ADDING A NON-INHERENT COMPONENT TO A DEVICE KEY OF A NETWORKED DEVICE
(73) Rockwell Automation Technologies, Inc.
(72) CASPERS, John P
TELLJOHANN, Patrick D
(31) 201615217365
(32) 22.07.2016
(33) United States of America

(51) H04L 12/24
(11) EP3531622
(21) EP18461520.1
(47) 08.01.2020
(22) 23.02.2018
(54) METHOD OF HANDLING PACKET FLOW IN SOFTWARE-DEFINED NETWORK, COMPUTER PROGRAM PRODUCT, AND SOFTWARE-DEFINED NETWORK
(73) Akademia Gorniczo-Hutnicza im. Stanislawa Staszica w Krakowie
(72) Borylo, Piotr
Lasón , Artur
Rzepka, Michal

(51) H04L 12/24
G06F 8/40
G06F 8/41
G06F 8/72
G06F 9/44
(11) EP3039534
(21) EP14766288.6
(47) 08.01.2020
(87) US2014053030
05.03.2015
(22) 28.08.2014
(54) GENERATING AN IDEMPOTENT WORKFLOW
(73) Microsoft Technology Licensing, LLC
(72) GOPAL, Burra
LABUNETS, Yuriy
SIMPSON, Amy
RUPKE, James
ZHU, Kai
TABOADA, Roberto
KAYHANIAN, Shayan
(31) 201314015160
(32) 30.08.2013
(33) United States of America

(51) H04L 12/24
G06F 9/455
(11) EP3373517
(21) EP16869878.5
(47) 08.01.2020
(87) CN2016106137
08.06.2017
(22) 16.11.2016
(54) CONFIGURATION METHOD AND DEVICE FOR VIRTUAL NETWORK FUNCTION
(73) Huawei Technologies Co., Ltd.
(72) ZHANG, Liang
WANG, Qiaoling
BAO, Dewei
XUE, Li
(31) 201510860808
(32) 30.11.2015
(33) China

(51) H04L 12/24
H04L 12/26
H04L 12/66
H04W 12/00
H04W 24/00
(11) EP3319273
(21) EP17197515.4
(47) 08.01.2020
(22) 19.11.2012
(54) METHOD FOR CONFIGURING A PATH FOR INTERCEPTING USER DATA, METHOD FOR INTERCEPTING, AND APPARATUSES
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) ZHANG, Jin
TAN, Shiyong
HU, Weihua

(51) H04L 12/24
H04L 12/26
H04L 12/801
H04L 12/825
H04L 12/841
(11) EP3257206
(21) EP16705999.7
(47) 08.01.2020
(87) IB2016050738
18.08.2016
(22) 11.02.2016
(54) ETHERNET CONGESTION CONTROL AND PREVENTION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) BELIVEAU, Andre
ALLEYNE, Brian
BAHNASY, Mahmoud Mohamed
BOUGHZALA, Bochra
PADALA, Chakravarthy
ELBIAZE, Halima
IDOUDI, Karim
(31) 201562114728 P
201562196722 P
201562222612 P
(32) 11.02.2015
24.07.2015
23.09.2015
(33) United States of America
United States of America
United States of America

(51) H04L 12/24
H04L 12/26
H04L 12/813
H04L 12/833
(11) EP2920930
(21) EP13773307.7
(47) 08.01.2020
(87) GB2013000412
03.04.2014
(22) 30.09.2013
(54) OPERATION OF A DATA NETWORK
(73) British Telecommunications public limited company
(72) BURBRIDGE, Trevor
SOPPERA, Andrea
(31) 12250159
(32) 28.09.2012
(33) European Patent Office (EPO)

(51) H04L 12/24
H04L 12/26
H04L 29/08
(11) EP3267640
(21) EP15887284.6
(47) 08.01.2020
(87) CN2015094981
06.10.2016
(22) 19.11.2015
(54) BALANCE ADJUSTMENT METHODS AND DEVICES FOR EGRESS TRAFFIC OF SDN-BASED IDC NETWORK
(73) Huawei Technologies Co., Ltd.
(72) WANG, Yining
PAN, Yaowu
WU, Guoquan
(31) 201510157675
(32) 03.04.2015
(33) China

(51) H04L 12/24
H04L 12/26
H04L 29/08
(11) EP3360285
(21) EP16791142.9
(47) 08.01.2020
(87) US2016056102
13.04.2017
(22) 07.10.2016
(54) SYSTEM AND METHOD TO RECONCILE CABLING TEST RESULTS WITH CABLING TEST CONFIGURATIONS
(73) Fluke Corporation
(72) BEZOLD, David, E.
WOOTON, Clinton, J.
(31) 201514878860
(32) 08.10.2015
(33) United States of America

(51) H04L 12/24
H04L 12/28
H04W 48/20
H04W 84/18
H04W 88/04
(11) EP2868040
(21) EP13732527.0
(47) 08.01.2020
(87) EP2013063697
03.01.2014
(22) 28.06.2013
(54) A DEVICE AND A METHOD AT THE DEVICE FOR CONFIGURING A WIRELESS INTERFACE
(73) InterDigital CE Patent Holdings
(72) MAETZ, Pascal
JEANNE, Ludovic
VIDON, Christophe
(31) 12305770
(32) 29.06.2012
(33) European Patent Office (EPO)

(51) H04L 12/24
H04L 12/40
H04L 12/403
H04L 12/437
(11) EP2774336

(21) EP11874891.2
(47) 08.01.2020
(87) IB2011054925
10.05.2013
(22) 04.11.2011
(54) REAL-TIME DISTRIBUTED NETWORK MODULE, REAL-TIME DISTRIBUTED NETWORK AND METHOD THEREFOR
(73) NXP USA, Inc.
(72) EDMISTON, Graham
RAHAMIM, Hezi

(51) H04L 12/24
H04L 12/42
H04L 29/08
H04L 29/12
(11) EP2983342
(21) EP15177870.1
(47) 08.01.2020
(22) 22.07.2015
(54) INTERNET PROTOCOL ADDRESSING OF INDUSTRIAL CONTROL DEVICES EMPLOYING THE NETWORK RING TOPOLOGY
(73) Rockwell Automation Technologies, Inc.
(72) FORGUITES, Jessica E.
BALASUBRAMANIAN, Sivaram
DEVONSHIRE, Mark G.
HANTEL, Mark R.
(31) 201414446905
(32) 30.07.2014
(33) United States of America

(51) H04L 12/24
H04L 12/723
H04L 12/911
(11) EP3145133
(21) EP15809049.8
(47) 08.01.2020
(87) CN2015077387
23.12.2015
(22) 24.04.2015
(54) HARD PIPE BUILDING METHOD AND NETWOK MANAGEMENT SYSTEM
(73) Huawei Technologies Co. Ltd.
(72) HAO, Jiangtao
HUANG, He
ZHANG, Wenwu
LI, Guanfeng
(31) 201410268426
201410468670
(32) 16.06.2014
15.09.2014
(33) China
China

(51) H04L 12/24
H04L 12/755
(11) EP3304812
(21) EP16724736.0
(47) 08.01.2020
(87) IB2016052956
08.12.2016
(22) 19.05.2016
(54) METHOD AND SYSTEM FOR RESYNCHRONIZATION OF FORWARDING STATES IN A NETWORK FORWARDING DEVICE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) NARAYANAN, Bhalaji
KAR, Shuva Jyoti
SIMHADRI, V L N Mehar
(31) 201514726258
(32) 29.05.2015
(33) United States of America

(51) H04L 12/24
H04L 12/923
(11) EP3264676
(21) EP16193852.7
(47) 08.01.2020
(22) 14.10.2016
(54) GENERATING AUTOMATIC BANDWIDTH ADJUSTMENT POLICIES PER LABEL-SWITCHED PATH
(73) Juniper Networks, Inc.
(72) CHERUATHUR, Sudhir
BARTH, Jonathan Colby
(31) 201615198400
(32) 30.06.2016
(33) United States of America

(51) H04L 12/24
H04L 29/08
H04M 3/42
(11) EP2537326
(21) EP11704924.7
(47) 08.01.2020
(87) EP2011000407
25.08.2011
(22) 28.01.2011
(54) METHOD FOR MANAGING DATA IN A COMMUNICATION NETWORK
(73) Unify GmbH & Co. KG
(72) BOZIONEK, Bruno
KLAGHOFER, Karl
PRANGE, Holger
TIETSCH, Michael
(31) 102010008300
(32) 17.02.2010
(33) Germany

(51) H04L 12/24
H04W 4/00
(11) EP3419217
(21) EP17176712.2
(47) 08.01.2020
(22) 19.06.2017
(54) NETWORK OF NODES AND METHOD OF OPERATION
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
(72) KIRISKEN, Barbaros

(51) H04L 12/26
(11) EP3370372
(21) EP17178883.9
(47) 08.01.2020
(22) 29.06.2017
(54) SYSTEM AND METHOD FOR TESTING A DEVICE USING A LIGHT WEIGHT DEVICE VALIDATION PROTOCOL
(73) Wipro Limited
(72) DUTTA, Souvik
CHANDA, Debasish
MANDAL, Swarup
(31) 201741007260
(32) 01.03.2017
(33) India

(51) H04L 12/26
H04L 12/28
(11) EP2555474
(21) EP12178917.6
(47) 08.01.2020
(22) 01.08.2012
(54) Home appliance, home appliance diagnostic system, and method
(73) LG Electronics Inc.
(72) Kim, Hyunsang
Kim, Deoghyeon
(31) 20110077078
(32) 02.08.2011
(33) Korea (Republic)

(51) H04L 12/26
H04L 12/40
H04L 29/06
H04L 29/08
(11) EP2166708
(21) EP09171071.5
(47) 08.01.2020
(22) 23.09.2009
(54) Apparatus and methods to communicatively couple field devices to controllers in a process control system
(73) Fisher-Rosemount Systems, Inc.
(72) Holmes, David
Law, Gary Keith
(31) 236165
(32) 23.09.2008
(33) United States of America

(51) H04L 12/26
H04L 29/06
H04L 29/14
G10L 19/00
G10L 19/005
G10L 25/18
G10L 25/51
(11) EP3422678
(21) EP18189691.1
(47) 08.01.2020
(22) 12.05.2015
(54) SELECTING A PACKET LOSS CONCEALMENT PROCEDURE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) BRUHN, Stefan
(31) 201461993814 P
(32) 15.05.2014
(33) United States of America

(51) H04L 12/26
H04L 29/08
H04W 60/00
(11) EP2775755
(21) EP12856098.4
(47) 08.01.2020
(87) CN2012081458
13.06.2013
(22) 17.09.2012
(54) ACQUIRING AN ONLINE STATE OF A TERMINAL
(73) Huawei Device Co., Ltd.
(72) JIN, Hui
XUE, Guodong
WANG, Lei
(31) 201110403634
201210222149
(32) 07.12.2011
29.06.2012
(33) China
China

(51) H04L 12/26
H04W 84/00

H04W 84/18
(11) EP3378195
(21) EP16797849.3
(47) 08.01.2020
(87) EP2016077753
26.05.2017
(22) 15.11.2016
(54) DEVICE FOR SIMULATING A COMMUNICATION RELAY
(73) BULL SAS
(72) ROMAN, Alexandre
RICHARD, Julien
(31) 1502392
(32) 16.11.2015
(33) France

(51) H04L 12/28
F24F 11/00
F24F 11/50
F24F 11/58
F24F 11/61
(11) EP2545327
(21) EP11753561.7
(47) 08.01.2020
(87) KR2011001521
15.09.2011
(22) 04.03.2011
(54) AIR CONDITIONING SYSTEM AND CONTROLLING METHOD THEREOF
(73) LG Electronics Inc.
(72) CHA, Byoung Keun
JEON, Duck Gu
JUNG, Jae Sik
HAN, Jong Hyun
(31) 20100020334
(32) 08.03.2010
(33) Korea (Republic)

(51) H04L 12/28
H04L 12/46
H04L 29/06
(11) EP2777217
(21) EP11875527.1
(47) 08.01.2020
(87) IB2011055042
16.05.2013
(22) 11.11.2011
(54) PROTOCOL FOR LAYER TWO MULTIPLE NETWORK LINKS TUNNELLING
(73) Pismo Labs Technology Ltd.
(72) SUNG, Patrick Ho Wai
CHAN, Alex Wing Hong
NG, Kam Chiu
CHAU, Kit Wai

(51) H04L 12/28
H04L 29/08
H04W 48/18
(11) EP2084855
(21) EP07845545.8
(47) 08.01.2020
(87) CA2007002075
29.05.2008
(22) 20.11.2007
(54) HANDLING VIRTUAL PRIVATE NETWORK CONNECTIONS OVER A WIRELESS LOCAL AREA NETWORK
(73) BlackBerry Limited
(72) SCOTT, Sherryl Lee Lorraine
SOMANI, Zaheen
FEDOTENKO, Denis
REIF, Alexander J.
(31) 866753 P
(32) 21.11.2006
(33) United States of America

(51) H04L 12/40
H04L 29/08
(11) EP3235185
(21) EP15870539.2
(47) 08.01.2020
(87) US2015058766
23.06.2016
(22) 03.11.2015
(54) DATA TRANSFER ON AN INDUSTRIAL PROCESS NETWORK
(73) Emerson Process Management LLLP
(72) FERGUSON, Anthony Dean
FRANCHUK, Brian Alan
BELL, Thomas Marvin
(31) 201414576778
(32) 19.12.2014
(33) United States of America

(51) H04L 12/46
H04L 29/06
H04L 29/08
H04L 29/12
H04L 12/749
H04L 12/851
(11) EP2916499
(21) EP13857339.9
(47) 08.01.2020
(87) CN2013087051
30.05.2014
(22) 13.11.2013
(54) IP PACKET PROCESSING METHOD, APPARATUS AND NETWORK SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) HU, Yinliang
CHEN, Guang
CHEN, Jian
(31) 201210486610
(32) 26.11.2012
(33) China

(51) H04L 12/46
H04L 29/12
H04L 12/721
H04L 12/741
H04L 12/931
(11) EP3162039
(21) EP14734457.6
(47) 08.01.2020
(87) EP2014063718
30.12.2015
(22) 27.06.2014
(54) ULTRA HIGH-SPEED MOBILE NETWORK BASED ON LAYER-2 SWITCHING
(73) Nokia Solutions and Networks Oy
(72) MORPER, Hans-Jochen
RIEGEL, Maximilian

(51) H04L 12/46
H04Q 11/00
(11) EP3236620
(21) EP17170026.3
(47) 08.01.2020
(22) 20.04.2007
(54) AN OPTICAL NETWORK TERMINAL, A MESSAGE PROCESSING METHOD AND SYSTEM THEREOF
(73) Huawei Technologies Co., Ltd.
(72) Yang, Sulin
Niu, Lehong
(31) 200610060583
200610125930
(32) 29.04.2006
21.08.2006
(33) China
China

(51) H04L 12/58
(11) EP3198803
(21) EP15781194.4
(47) 08.01.2020
(87) US2015051771
31.03.2016
(22) 23.09.2015
(54) MESSAGE SERVICE
(73) BlackBerry Limited
(72) PULLA, Gautam
GILCHRIST, Gary
LIU, Junjun
CHERUVATTA, Rejish Puthiyedath
(31) 201462055202 P
(32) 25.09.2014
(33) United States of America

(51) H04L 12/58
(11) EP2249530
(21) EP10172832.7
(47) 08.01.2020
(22) 20.09.2004
(54) Handheld electronic device and associated method providing time data in a messaging environment
(73) BlackBerry Limited
(72) Klassen, Gerhard Dietrich
Wormald, Christopher
Kuhl, Lawrence Edward
(31) 504379 P
(32) 19.09.2003
(33) United States of America

(51) H04L 12/58
G06Q 10/10
G06Q 50/00
G06F 17/00
(11) EP3156912
(21) EP16002383.4
(47) 08.01.2020
(22) 26.03.2013
(54) LEVERAGING A SOCIAL GRAPH FOR USE WITH ELECTRONIC MESSAGING
(73) Microsoft Technology Licensing, LLC
(72) Cheng, Heyning
Tunkelang, Daniel
Mauney, Bradley Scott
Hall, Ashley Woodman
(31) 201213430284
(32) 26.03.2012
(33) United States of America

(51) H04L 12/58
H04L 29/06
H04L 29/08
G06F 21/62
G06F 16/13
G06F 16/16
G06F 16/178

G06F 16/18
G06F 16/182
G06F 16/188
G06F 16/93
G06F 16/9535
(11) EP3069307
(21) EP14859862.6
(47) 08.01.2020
(87) US2014064875
14.05.2015
(22) 10.11.2014
(54) DOCUMENT MANAGEMENT AND COLLABORATION SYSTEM
(73) Amazon Technologies, Inc.
(72) KHURANA, Himanshu
EISNER, Noah Anthony
GILLETT, Kevin
SETHURAMALINGAM, Arun Ponniah
CADABAM, Nagesh Pradhan
WANG, Liangliang
KALA, Sharad
OAKLEY, Stephen Joseph
SANTHANAM, Nandhini Nandiwada
(31) 201314077204
(32) 11.11.2013
(33) United States of America

(51) H04L 12/58
H04W 4/12
(11) EP3075177
(21) EP14865615.0
(47) 08.01.2020
(87) CN2014092443
04.06.2015
(22) 28.11.2014
(54) METHOD, APPARATUS AND DEVICE FOR EXCHANGING NAME CARD
(73) Tencent Technology (Shenzhen) Company Limited
(72) LI, Jingzhong
YAN, Junhong
XU, Jinsheng
WANG, Wenyuan
YI, Wei
LV, Kaiyuan
WEN, Xiaomu
HE, Jing
LI, Bin
(31) 201310629240
(32) 29.11.2013
(33) China

(51) H04L 12/64
H04L 12/715
H04L 12/755
(11) EP3018867
(21) EP13891883.4
(47) 08.01.2020
(87) CN2013081809
26.02.2015
(22) 20.08.2013
(54) METHOD FOR PROCESSING USER MESSAGE AND FORWARDING PLANE DEVICE
(73) Huawei Technologies Co., Ltd.
(72) NI, Hui

(51) H04L 12/66
H04L 12/857
(11) EP2923471
(21) EP13795481.4
(47) 08.01.2020
(87) EP2013074541
30.05.2014
(22) 25.11.2013
(54) ROUTING DATA IN A NETWORK
(73) Koninklijke KPN N.V.
Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) STOKKING, Hans Maarten
DEN HARTOG, Frank T. H.
HILLEN, Bernardus
HERRERA VAN DER NOOD, Manuel
SMETS, Robertus
(31) 12194164
12194171
12194175
12194177
12194178
12194181
(32) 26.11.2012
26.11.2012
26.11.2012
26.11.2012
26.11.2012
26.11.2012
(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) H04L 12/70
(11) EP3227801
(21) EP15866311.2
(47) 08.01.2020
(87) US2015063034
09.06.2016
(22) 30.11.2015
(54) MESSAGE BROKER SYSTEM WITH PARALLEL PERSISTENCE
(73) Informatica LLC
(72) FUGITT, Jesse, A.
CANLI, Turkmen
HODA, Sahir
(31) 201462086111 P
(32) 01.12.2014
(33) United States of America

(51) H04L 12/707
H04L 12/721
H04L 12/727
H04L 12/751
(11) EP3468116
(21) EP17819059.1
(47) 08.01.2020
(87) CN2017087553
04.01.2018
(22) 08.06.2017
(54) METHOD FOR CALCULATING FORWARDING PATH AND NETWORK DEVICE
(73) Huawei Technologies Co., Ltd.
(72) DONG, Jie
CHEN, Guoyi
DU, Zongpeng
XU, Ling
(31) 201610493644
(32) 29.06.2016
(33) China

(51) H04L 12/801
H04L 12/807
H04L 12/825
(11) EP2870734
(21) EP13724676.5
(47) 08.01.2020
(87) US2013040000
09.01.2014
(22) 07.05.2013
(54) NETWORK CONGESTION CONTROL
(73) Adara Networks, Inc.
(72) STEWART, Randall
(31) 201213543539
(32) 06.07.2012
(33) United States of America

(51) H04L 12/801
H04L 12/863
H04L 12/865
H04L 12/875
(11) EP3066578
(21) EP14860912.6
(47) 08.01.2020
(87) US2014064392
14.05.2015
(22) 06.11.2014
(54) STRICT QUEUE ORDERING IN A DISTRIBUTED SYSTEM
(73) Amazon Technologies, Inc.
(72) WORD, Jonathan Brian
(31) 201314073517
(32) 06.11.2013
(33) United States of America

(51) H04L 25/03
(11) EP3225001
(21) EP15863238.0
(47) 08.01.2020
(87) US2015062533
02.06.2016
(22) 24.11.2015
(54) PEAK DETECTION IN DATA STREAM
(73) Maxim Integrated Products, Inc.
Cohen, Elik
Pahlavan, Kourosh
(72) COHEN, Elik
PAHLAVAN, Kourosh
(31) 201462084394 P
(32) 25.11.2014
(33) United States of America

(51) H04L 25/03
H04B 7/04
H04B 7/0452
(11) EP2283586
(21) EP08874288.7
(47) 08.01.2020
(87) KR2008006626
19.11.2009
(22) 10.11.2008
(54) PERTURBED DECODER, PERTURBED DECODING METHOD AND APPARATUS IN COMMUNICATION SYSTEM USING THE SAME
(73) Samsung Electronics Co., Ltd.
Purdue Research Foundation
(72) SUH, Jung Hoon
ALUKO, Obadamilola
KIM, Sung Jin
LOVE, David, J.
KROGMEIER, James, V.

(31) 120212
20080090726
(32) 13.05.2008
16.09.2008
(33) United States of America
Korea (Republic)

(51) H04L 27/00
H04W 16/14
(11) EP2642708
(21) EP13000757.8
(47) 08.01.2020
(22) 14.02.2013
(54) Simplified blind signal detector
(73) Harris Global Communications, Inc.
(72) Hessel, Clifford
(31) 201213413805
(32) 07.03.2012
(33) United States of America

(51) H04L 27/18
H04L 27/20
H04L 27/22
(11) EP3442187
(21) EP18188676.3
(47) 08.01.2020
(22) 13.08.2018
(54) PHASE ROTATION WATERMARKING FOR PHASE MODULATION
(73) HARRIS CORPORATION
(72) KOSSIN, Philip S.
(31) 201715675461
(32) 11.08.2017
(33) United States of America

(51) H04L 27/26
(11) EP3439256
(21) EP17184334.5
(47) 08.01.2020
(22) 01.08.2017
(54) SYNCHRONIZATION DEVICE AND METHOD
(73) IHP GmbH - Innovations for High Performance Microelectronics / Leibniz-Institut für innovative Mikroelektronik
(72) Petri, Markus
El-Yamani, Ahmed

(51) H04L 27/26
H04W 28/06
(11) EP3099102
(21) EP14883419.5
(47) 08.01.2020
(87) CN2014072464
27.08.2015
(22) 24.02.2014
(54) METHOD AND APPARATUS FOR RECEIVING AND SENDING INFORMATION
(73) Huawei Technologies Co., Ltd.
(72) YANG, Xun

(51) H04L 27/26
H04W 56/00
(11) EP2923472
(21) EP12799659.3
(47) 08.01.2020
(87) SE2012051294
30.05.2014
(22) 23.11.2012
(54) METHODS AND APPARATUSES FOR RADIO RESOURCE MANAGEMENT
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SORRENTINO, Stefano
PARKVALL, Stefan

(51) H04L 29/06
(11) EP2456163
(21) EP11172285.6
(47) 08.01.2020
(22) 30.06.2011
(54) REGISTERING AN INTERNET PROTOCOL PHONE IN A DUAL-LINK ARCHITECTURE
(73) Mitel Networks Corporation
(72) Sun, Jianli
(31) 927814
(32) 23.11.2010
(33) United States of America

(51) H04L 29/06
(11) EP2487864
(21) EP12154068.6
(47) 08.01.2020
(22) 06.02.2012
(54) METHOD AND DEVICE FOR DYNAMIC MANAGEMENT OF THE COMMUNICATION RECEPTION PRIORITY OF A TERMINAL
(73) Orange
(72) Bouvet, Bertrand
(31) 1151083
(32) 10.02.2011
(33) France

(51) H04L 29/06
(11) EP2706723
(21) EP13183215.6
(47) 08.01.2020
(22) 05.09.2013
(54) STREAMING VIDEO SECURITY DEVICE
(73) High Sec Labs Ltd.
(72) Soffer, Aviv
Vaisband, Oleg
(31) 201213606954
(32) 07.09.2012
(33) United States of America

(51) H04L 29/06
(11) EP3122016
(21) EP15177824.8
(47) 08.01.2020
(22) 22.07.2015
(54) AUTOMATION NETWORK AND METHOD OF SURVEILLANCE FOR SECURITY OF THE TRANSMISSION OF DATA PACKETS
(73) Siemens Aktiengesellschaft
(72) Palmin, Anna

(51) H04L 29/06
G06F 21/53
G06F 21/57
G06F 9/455
(11) EP3028210
(21) EP14753310.3
(47) 08.01.2020
(87) IB2014063637
05.02.2015
(22) 01.08.2014
(54) SECURE SERVER IN A SYSTEM WITH VIRTUAL MACHINES
(73) OLogN Technologies AG
(72) IGNATCHENKO, Sergey
IVANCHYKHIN, Dmytro
(31) 201361861753 P
(32) 02.08.2013
(33) United States of America

(51) H04L 29/06
H04L 12/707
(11) EP2561644
(21) EP11716202.4
(47) 08.01.2020
(87) EP2011055934
27.10.2011
(22) 14.04.2011
(54) EVALUATING AN AVAILABLE PATH BITRATE BASED ON AN ACKNOWLEDGMENT PATH SELECTION
(73) InterDigital CE Patent Holdings
(72) GOUACHE, Stephane
BSILA, Amine
BICHOT, Guillaume
(31) 10305413
(32) 21.04.2010
(33) European Patent Office (EPO)

(51) H04L 29/06
H04L 12/751
(11) EP2991304
(21) EP14858919.5
(47) 08.01.2020
(87) CN2014080558
07.05.2015
(22) 24.06.2014
(54) CONFLICT DETECTION AND SOLVING METHOD AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) LI, Jinming
WANG, Donghui
(31) 201310532941
(32) 31.10.2013
(33) China

(51) H04L 29/06
H04L 29/08
(11) EP3091706
(21) EP14880468.5
(47) 08.01.2020
(87) CN2014091614
06.08.2015
(22) 19.11.2014
(54) DATA PACKET PROCESSING METHOD AND APPARATUS BASED ON PARALLEL PROTOCOL STACK INSTANCES
(73) Huawei Technologies Co., Ltd.
(72) YANG, Yongqiang
DAI, Fen
WEN, Liufei
(31) 201410043721
(32) 29.01.2014
(33) China

(51) H04L 29/06
H04L 29/08
G06F 16/14
G06F 16/2455
G06F 16/907
(11) EP3120267
(21) EP15764467.5
(47) 08.01.2020
(87) US2015021867
24.09.2015

(22) 20.03.2015
(54) COMMUNICATION OF BINARY DYNAMIC REST MESSAGES
(73) PTC Inc.
(72) BULLOTTA, Rick
CANOSA, John
DEREMER, Bob
MAHONEY, Mike
(31) 201414222100
201414222083
201414222067
201414222027
(32) 21.03.2014
21.03.2014
21.03.2014
21.03.2014
(33) United States of America
United States of America
United States of America
United States of America

(51) H04L 29/06
H04L 29/08
G06F 21/10
G06F 21/60
G06F 8/61
(11) EP2742453
(21) EP11770884.2
(47) 08.01.2020
(87) IT2011000298
21.02.2013
(22) 12.08.2011
(54) METHOD AND SYSTEM FOR PROTECTED TRANSMISSION OF FILES
(73) ABB Schweiz AG
(72) CHECCUCCI, Alessandro
TAZZARI, Davide
VERNIA, Filippo

(51) H04L 29/06
H04L 29/08
G06Q 20/12
(11) EP2905943
(21) EP14154541.8
(47) 08.01.2020
(22) 10.02.2014
(54) Method for providing external control services in a network
(73) Deutsche Telekom AG
(72) Scherer, Christoph

(51) H04L 29/06
H04L 29/08
G06Q 30/06
G06Q 50/18
G06F 21/10
G06F 21/31
G06F 21/42
G06F 21/44
G06F 21/60
H04W 4/029
(11) EP3371731
(21) EP16863103.4
(47) 08.01.2020
(87) US2016060681
11.05.2017
(22) 04.11.2016
(54) DIGITAL CONTENT DELIVERY SYSTEM
(73) Screening Room Media, Inc.
(72) BALDWIN, James Armand
AKKARAJU, Prem
VANZINI, Giorgio
(31) 201562250945 P
(32) 04.11.2015
(33) United States of America

(51) H04L 29/06
H04L 29/08
H04M 1/60
H04W 88/02
H04W 4/00
H04W 4/70
H04W 4/80
(11) EP3419244
(21) EP17753497.1
(47) 08.01.2020
(87) KR2017001738
24.08.2017
(22) 16.02.2017
(54) METHOD AND APPARATUS IN WHICH PLURALITY OF ELECTRONIC DEVICES USE SERVICE LINKED TO ONE ELECTRONIC DEVICE
(73) Samsung Electronics Co., Ltd.
(72) HAN, Se-Hee
LEE, Jong-Hyo
LEE, Joo-Yeol
(31) 20160017719
(32) 16.02.2016
(33) Korea (Republic)

(51) H04L 29/06
H04L 29/08
H04W 4/18
(11) EP1844594
(21) EP06710601.3
(47) 08.01.2020
(87) IB2006000726
10.08.2006
(22) 31.01.2006
(54) METHOD AND APPARATUSES FOR TRANSMISSION OF USER IDENTITIES IN AN IP MULTIMEDIA SUBSYSTEM
(73) Nokia Technologies Oy
(72) TAMMI, Kalle
AITTOLA, Mikko
MYLLYMAKI, Minna
LEINONEN, Anu, H.
(31) 0502383
(32) 04.02.2005
(33) United Kingdom

(51) H04L 29/06
H04L 29/12
H04W 8/04
H04W 12/06
(11) EP2873211
(21) EP13739384.9
(47) 08.01.2020
(87) EP2013064743
16.01.2014
(22) 11.07.2013
(54) METHOD FOR REGISTERING AT LEAST A PUBLIC ADDRESS IN AN IMS NETWORK AND CORRESPONDING APPLICATION
(73) Thales Dis France SA
(72) BAUDOUIN, Julien
FINE, Jean-Yves
(31) 12305841
(32) 12.07.2012
(33) European Patent Office (EPO)

(51) H04L 29/06
H04L 29/14
G06F 21/55
G06F 21/56
(11) EP2859493
(21) EP13800519.4
(47) 08.01.2020
(87) US2013040420
12.12.2013
(22) 09.05.2013
(54) KERNEL-LEVEL SECURITY AGENT
(73) Crowdstrike, Inc.
(72) DIEHL, David, F.
ALPEROVITCH, Dmitri
IONESCU, Ion-Alexandru
KURTZ, George, Robert
(31) 201213492672
(32) 08.06.2012
(33) United States of America

(51) H04L 29/06
H04M 3/22
H04M 3/58
H04M 7/12
(11) EP2638677
(21) EP10773919.5
(47) 08.01.2020
(87) EP2010067027
18.05.2012
(22) 08.11.2010
(54) INDICATING TRANSFER IN AN IMS NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) AXELL, Jörgen
FURTENBACK, Ros-Marie
HOLM, Jan

(51) H04L 29/06
H04R 25/00
H04W 12/10
(11) EP3021545
(21) EP14193328.3
(47) 08.01.2020
(22) 14.11.2014
(54) Hearing instrument with an authentication protocol
(73) GN Hearing A/S
(72) Pedersen, Brian Dam

(51) H04L 29/06
H04W 4/08
(11) EP3160170
(21) EP14895865.5
(47) 08.01.2020
(87) CN2014088385
30.12.2015
(22) 11.10.2014
(54) INFORMATION SHARING METHOD, SYSTEM AND DEVICE, AND COMPUTER STORAGE MEDIUM
(73) ZTE Corporation
(72) ZHAO, Jin
ZHANG, Xiaoyong
(31) 201410283551
(32) 23.06.2014
(33) China

(51) H04L 29/06
H04W 8/12
H04W 12/06
(11) EP2630816
(21) EP11785179.0

(47) 08.01.2020
(87) US2011057412
26.04.2012
(22) 23.10.2011
(54) AUTHENTICATION OF ACCESS TERMINAL IDENTITIES IN ROAMING NETWORKS
(73) Qualcomm Incorporated
(72) MAO, Yinian
LI, Qing
PALANIGOUNDER, Anand
(31) 201113243185
201161435267 P
406017 P
(32) 23.09.2011
22.01.2011
22.10.2010
(33) United States of America
United States of America
United States of America

(51) H04L 29/06
H04W 8/18
H04W 8/24
H04W 12/06
H04B 1/3816
H04W 4/00
(11) EP2950566
(21) EP13801343.8
(47) 08.01.2020
(87) CN2013078191
12.12.2013
(22) 27.06.2013
(54) METHOD, DEVICE AND TERMINAL FOR BINDING NFC APPLICATION AND OPERATOR
(73) ZTE Corporation
(72) GUO, Shuai
WEI, Hongpo
WANG, Kai
WANG, Shengyuan
(31) 201310063847
(32) 28.02.2013
(33) China

(51) H04L 29/06
H04W 12/06
(11) EP2453633
(21) EP11188845.9
(47) 08.01.2020
(22) 11.11.2011
(54) PARTICIPANT IDENTIFICATION APPARATUS, MOBILE RADIO SYSTEM AND METHOD FOR PARTICIPANT AUTHENTICATION
(73) Vodafone Holding GmbH
(72) Helmreich, Frank
(31) 102010043878
(32) 12.11.2010
(33) Germany

(51) H04L 29/06
H04W 12/06
G06F 21/30
(11) EP3312750
(21) EP17194735.1
(47) 08.01.2020
(22) 04.10.2017
(54) INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING SYSTEM, AND INFORMATION PROCESSING METHOD
(73) FUJITSU LIMITED
(72) ITO, Hidenobu
YASAKI, Koichi
SAKAMOTO, Takuya
NIMURA, Kazuaki
NAKAMURA, Yosuke
(31) 2016208185
(32) 24.10.2016
(33) Japan

(51) H04L 29/06
H04W 12/06
G06F 21/31
(11) EP3005607
(21) EP13885842.8
(47) 08.01.2020
(87) US2013043482
04.12.2014
(22) 30.05.2013
(54) ADAPTIVE AUTHENTICATION SYSTEMS AND METHODS
(73) Intel Corporation
(72) VENKATESWARAN, Venky P.
MARTIN, Jason
PRAKASH, Gyan

(51) H04L 29/06
H04W 12/06
G06F 21/32
(11) EP3355222
(21) EP16893200.2
(47) 08.01.2020
(87) CN2016088396
14.09.2017
(22) 04.07.2016
(54) FINGERPRINT IDENTIFICATION TERMINAL SCREEN UNLOCKING METHOD AND TERMINAL
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) ZHOU, YiBao
(31) 201610137653
(32) 10.03.2016
(33) China

(51) H04L 29/06
H04W 12/06
H04W 48/14
H04W 84/12
(11) EP2887744
(21) EP12885201.9
(47) 08.01.2020
(87) CN2012082351
03.04.2014
(22) 28.09.2012
(54) WIRELESS LOCAL AREA NETWORK ACCESS METHOD AND CORRESPONDING SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) LI, Bingzhao

(51) H04L 29/06
H04W 28/02
H04W 28/10
H04L 12/721
(11) EP3101944
(21) EP16168705.8
(47) 08.01.2020
(22) 09.05.2016
(54) FACILITATING IN-BEARER QOS DIFFERENTIATION IN MULTI-CONNECTIVITY 5G NETWORKS
(73) Nokia Technologies Oy
(72) VAN PHAN, Vinh
YU, Ling
BEDEKAR, Anand
(31) 201514732414
(32) 05.06.2015
(33) United States of America

(51) H04L 29/06
H04W 28/02
H04W 80/06
H04L 12/801
H04L 12/807
(11) EP2602968
(21) EP12153215.4
(47) 08.01.2020
(22) 31.01.2012
(54) Method of data transmission in a wireless network system by optimizing window size scaling of communication protocol
(73) Acer Incorporated
(72) Cheng, Tsung-Yo
(31) 100140599
(32) 07.11.2011
(33) Taiwan, Province of China

(51) H04L 29/08
(11) EP3258439
(21) EP16749405.3
(47) 08.01.2020
(87) KR2016001237
18.08.2016
(22) 04.02.2016
(54) SYSTEM AND METHOD FOR PROVIDING LOCATION-BASED INFORMATION
(73) Samsung Electronics Co., Ltd.
(72) HAM, Jong-gyu
KIM, Hwa-jung
YOUM, Sun-hee
CHOI, Chang-hwan
(31) 20150020286
(32) 10.02.2015
(33) Korea (Republic)

(51) H04L 29/08
G06F 9/445
H04W 4/60
(11) EP3222062
(21) EP15801965.3
(47) 08.01.2020
(87) US2015060920
26.05.2016
(22) 16.11.2015
(54) SYSTEM AND METHOD TO CHAIN DISTRIBUTED APPLICATIONS IN A NETWORK ENVIRONMENT
(73) Cisco Technology, Inc.
(72) BOSCH, Hendrikus G. P.
SAMUEL, Louis Gwyn
SHATZKAMER, Kevin D.
(31) 201462081457 P
201514684363
(32) 18.11.2014
11.04.2015
(33) United States of America
United States of America

(51) H04L 29/08

H02P 23/00
(11) EP3096449
(21) EP15305762.5
(47) 08.01.2020
(22) 20.05.2015
(54) COMMUNICATION METHOD
(73) Schneider Electric Industries SAS
(72) Berner, Ralf

(51) H04L 29/08
H04L 29/12
H04L 12/803
(11) EP3146698
(21) EP15728677.4
(47) 08.01.2020
(87) US2015031153
26.11.2015
(22) 15.05.2015
(54) METHOD AND SYSTEM FOR ACQUIRING WEB PAGES
(73) Alibaba Group Holding Limited
(72) GAO, Shanyuan
(31) 201410213336
201514712527
(32) 20.05.2014
14.05.2015
(33) China
United States of America

(51) H04L 29/08
H04W 8/12
(11) EP1999974
(21) EP06837730.8
(47) 08.01.2020
(87) US2006044437
08.11.2007
(22) 15.11.2006
(54) PROCESSING LOCATION INFORMATION AMONG MULTIPLE NETWORKS
(73) Cisco Technology, Inc.
(72) JAGADEESAN, Ramanathan
CHUNG, Andrew, C.
DONOVAN, Steven, R.
GRAYSON, Mark
NGUYEN, Bich, T.
PEARCE, Christopher, E.
(31) 392408
(32) 28.03.2006
(33) United States of America

(51) H04L 29/08
H04W 76/12
(11) EP3092863
(21) EP13792999.8
(47) 08.01.2020
(87) SE2013051230
30.04.2015
(22) 23.10.2013
(54) FLEXIBLE BEARER HANDLING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LARAQUI, Kim
PAPPA, Ioanna
THYNI, Tomas

(51) H04L 29/12
H04W 8/22
H04W 52/02
H04W 84/12
G06F 21/31
G06F 21/43
H04W 4/00
H04W 4/80
(11) EP3381176
(21) EP16808867.2
(47) 08.01.2020
(87) US2016062716
01.06.2017
(22) 18.11.2016
(54) MEDIA ACCESS CONTROL (MAC) ADDRESS IDENTIFICATION
(73) Bose Corporation
(72) YOUNG, Douglas W.
PATIL, Naganagouda B.
PATEL, Hiren Harshad
GUPTA, Prateek
(31) 201514951015
(32) 24.11.2015
(33) United States of America

(51) H04L 29/12
H04W 8/26
H04W 12/00
H04W 12/02
H04W 12/06
(11) EP2538746
(21) EP10852707.8
(47) 08.01.2020
(87) CN2010073885
15.12.2011
(22) 12.06.2010
(54) METHOD, DEVICE AND SYSTEM FOR SUPPORTING MULTIPLE INTERNATIONAL MOBILE SUBSCRIBER IDENTITIES (IMSIS)
(73) Huawei Device Co., Ltd.
(72) SHI, Jieping

(51) H04M 1/00
H04M 1/725
H04Q 9/00
H04W 4/16
(11) EP2640038
(21) EP10859461.5
(47) 08.01.2020
(87) JP2010070123
18.05.2012
(22) 11.11.2010
(54) SYSTEM FOR USING COMMUNICATION TERMINAL WITH A VEHICLE
(73) Toyota Jidosha Kabushiki Kaisha
(72) TAKIZAWA Ryo
KOGA Ko
OYA Yoshiyuki

(51) H04M 1/02
(11) EP2561671
(21) EP11720628.4
(47) 08.01.2020
(87) US2011032984
27.10.2011
(22) 19.04.2011
(54) SLIDABLE MOBILE PHONE DEACTIVATES THE TOUCH SCREEN WHILE SLIDING THE HOUSINGS
(73) BlackBerry Limited
(72) KOPPAL, Rohit, Krishna
ALLEN, Aaron, Robert
MOSKOWITZ, Douglas, Wayne
MAHAN, Laura
LANGLOIS, Michael, George
LINDSAY, Donald, James
WILSON, Sean, David
TRUJILLO, Tomas, Manuel
(31) 351777 P
327641 P
(32) 04.06.2010
23.04.2010
(33) United States of America
United States of America

(51) H04M 1/02
H04M 1/22
H04M 1/725
H05K 5/02
H04W 88/02
(11) EP2983446
(21) EP14816670.5
(47) 08.01.2020
(87) CN2014070722
31.12.2014
(22) 16.01.2014
(54) TERMINAL, COLOUR CHANGING METHOD AND COLOUR CHANGING DEVICE
(73) Huawei Technologies Co., Ltd.
(72) KE, Youhe
LI, Liang
(31) 201310264336
(32) 27.06.2013
(33) China

(51) H04M 1/02
H04M 1/60
H04M 1/725
H04B 1/3827
(11) EP3375176
(21) EP17712273.6
(47) 08.01.2020
(87) US2017019623
21.09.2017
(22) 27.02.2017
(54) SYSTEM COMPRISING A WEARABLE DEVICE WITH RECEPTACLE TO RECEIVE AN AUDIO DEVICE AND METHOD OF OPERATING SAME
(73) SanDisk Technologies LLC
(72) SIDOROV, Alexander
KATZ, Arkady
(31) 201615073390
(32) 17.03.2016
(33) United States of America

(51) H04M 1/02
H04M 1/725
G06F 3/0481
G06F 3/0488
(11) EP2833607
(21) EP13781133.7
(47) 08.01.2020
(87) CN2013074496
31.10.2013
(22) 22.04.2013
(54) METHOD FOR AUTOMATICALLY SWITCHING HANDHELD MODES AND WIRELESS HANDHELD DEVICE
(73) Huawei Device Co., Ltd.
(72) LI, Hongxi
(31) 201210121940
(32) 23.04.2012
(33) China

(51) H04M 1/02
H04N 5/225
(11) EP2779597

(21) EP14158489.6
(47) 08.01.2020
(22) 10.03.2014
(54) Electronic device including camera module
(73) Samsung Electronics Co., Ltd.
(72) Moon, Heecheul
Lee, Yongseok
Choi, Jongchul
(31) 20130025735
(32) 11.03.2013
(33) Korea (Republic)

(51) H04M 1/02
H05K 5/04
(11) EP3282677
(21) EP17184792.4
(47) 08.01.2020
(22) 03.08.2017
(54) HOUSING, METHOD FOR MANUFACTURING HOUSING, AND MOBILE TERMINAL HAVING HOUSING
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) LI, Jing
YANG, Guangming
GONG, Qingguo
(31) 201610643272
201620854528 U
(32) 08.08.2016
08.08.2016
(33) China
China

(51) H04M 1/57
H04M 1/725
(11) EP3276924
(21) EP15888788.5
(47) 08.01.2020
(87) CN2015076615
20.10.2016
(22) 15.04.2015
(54) METHOD OF SENDING MESSAGE IN LOCAL AREA NETWORK, LOCAL AREA NETWORK GATEWAY, AND WEARABLE DEVICE
(73) Huawei Technologies Co. Ltd.
(72) LI, Yan
ZHU, Yu

(51) H04M 1/60
H04M 1/725
H04R 1/10
(11) EP3202127
(21) EP15767624.8
(47) 08.01.2020
(87) US2015047989
07.04.2016
(22) 01.09.2015
(54) ELECTRONICS INTERFACE FOR DEVICE HEADSET JACK
(73) Qualcomm Incorporated
(72) KESKIN, Mustafa
JAFFEE, James Ian
BAZARJANI, Seyfollah Seyfollahi
WALKER, Brett Christopher
(31) 201414499604
(32) 29.09.2014
(33) United States of America

(51) H04M 1/725
H04W 52/02
H04W 4/80
(11) EP3384711
(21) EP16816798.9
(47) 08.01.2020
(87) US2016064280
08.06.2017
(22) 30.11.2016
(54) POWER SENSITIVE WIRELESS COMMUNICATION RADIO MANAGEMENT
(73) Google LLC
(72) LUDWIG, Peter Wihelm
DENG, Jiahu
(31) 201514958902
(32) 03.12.2015
(33) United States of America

(51) H04M 3/42
(11) EP2938054
(21) EP15157434.0
(47) 08.01.2020
(22) 03.03.2015
(54) Method, device and system for handling busy line
(73) Xiaomi Inc.
(72) Liu, Daokuan
Wang, Bin
Weng, Haibin
(31) 201410133887
(32) 03.04.2014
(33) China

(51) H04M 3/56
(11) EP2486721
(21) EP10766419.5
(47) 08.01.2020
(87) US2010050390
14.04.2011
(22) 27.09.2010
(54) MUTING OF TERMINALS FOR CREATION OF A SUB-CONFERENCE
(73) IPC Systems, Inc
(72) ELLIOTT, Daniel, Raymond
(31) 576774
(32) 09.10.2009
(33) United States of America

(51) H04M 11/00
H04Q 9/00
(11) EP3206410
(21) EP15849541.6
(47) 08.01.2020
(87) JP2015078318
14.04.2016
(22) 06.10.2015
(54) INSTRUCTION DEVICE, PROGRAM, INSTRUCTION SYSTEM, AND INSTRUCTION METHOD
(73) Yamaha Corporation
(72) SUYAMA, Akihiko
(31) 2014206225
(32) 07.10.2014
(33) Japan

(51) H04M 15/00
H04W 16/14
H04W 88/08
H04W 88/14
H04W 4/24
(11) EP3494723
(21) EP18703759.3
(47) 08.01.2020
(87) EP2018052782
09.08.2018
(22) 05.02.2018
(54) METHODS AND APPARATUS FOR INDICATION OF DATA TRAFFIC CARRIED OVER UNLICENSED SPECTRUM
(73) Telefonaktiebolaget LM Ericsson (Publ)
(72) SULTANA, Shabnam
ROMMER, Stefan
BERGSTRÖM, Mattias
WITTBERG, Mikael
LÖVSÉN, Lars
TÖRNKVIST, Robert
SCHLIWA-BERTLING, Paul
(31) 201762455335 P
(32) 06.02.2017
(33) United States of America

(51) H04N 1/00
(11) EP2464090
(21) EP09848079.1
(47) 08.01.2020
(87) JP2009069174
10.02.2011
(22) 11.11.2009
(54) DEVICE CAPABLE OF READING PLURALITY OF DOCUMENTS, CONTROL METHOD, AND PROGRAM THEREOF
(73) Canon Kabushiki Kaisha
(72) KAKUTANI, Naoya
(31) 2009184800
(32) 07.08.2009
(33) Japan

(51) H04N 1/00
A61B 90/00
(11) EP2083736
(21) EP07819750.6
(47) 08.01.2020
(87) EP2007009760
22.05.2008
(22) 12.11.2007
(54) SYSTEM FOR THE REPRESENTATION OF MEDICAL IMAGES
(73) VISUS Health IT GmbH
(72) HOLSTEIN, Jörg
KLEBER, Klaus Dirk
(31) 102006053261
(32) 11.11.2006
(33) Germany

(51) H04N 1/00
H04N 1/32
H04N 1/44
(11) EP3026878
(21) EP15196753.6
(47) 08.01.2020
(22) 27.11.2015
(54) IMAGE FORMING APPARATUS, AND METHOD AND PROGRAM FOR CONTROLLING IMAGE FORMING APPARATUS
(73) CANON KABUSHIKI KAISHA
(72) SUZUKI, Kiwamu
(31) 2014242131
(32) 28.11.2014
(33) Japan

(51) H04N 1/12
(11) EP2843930
(21) EP14182106.6

(47) 08.01.2020
(22) 25.08.2014
(54) Image reading apparatus
(73) Brother Kogyo Kabushiki Kaisha
(72) Uno, Mayu
Nakayama, Daisuke
(31) 2013178988
(32) 30.08.2013
(33) Japan

(51) H04N 1/21
(11) EP2763390
(21) EP14000298.1
(47) 08.01.2020
(22) 28.01.2014
(54) Mobile terminal and method for operating the same
(73) LG Electronics, Inc.
(72) Shin, Yongkyoung
(31) 20130011277
(32) 31.01.2013
(33) Korea (Republic)

(51) H04N 1/387
H04N 5/225
G06F 3/048
(11) EP3179353
(21) EP17153573.5
(47) 08.01.2020
(22) 03.02.2011
(54) IMAGE PROCESSING DEVICE, IMAGE PROCESSING METHOD AND PROGRAM
(73) Sony Corporation
(72) HIGASHIMOTO, Kimu
(31) 2010048751
(32) 05.03.2010
(33) Japan

(51) H04N 1/401
(11) EP3461115
(21) EP18189268.8
(47) 08.01.2020
(22) 16.08.2018
(54) INKJET PRINTING APPARATUS AND VARIABLE-DENSITY CORRECTION METHOD
(73) SCREEN Holdings Co., Ltd.
(72) ICHIOKA, Yoshikazu
(31) 2017183434
(32) 25.09.2017
(33) Japan

(51) H04N 1/405
(11) EP3276936
(21) EP17183616.6
(47) 08.01.2020
(22) 27.07.2017
(54) IMAGE PROCESSING APPARATUS AND METHOD OF GENERATING BINARIZED IMAGE
(73) Funai Electric Co., Ltd.
(72) THOSHIHIRO, Shunsaku
(31) 2016150565
(32) 29.07.2016
(33) Japan

(51) H04N 1/44
(11) EP2597855
(21) EP12193404.6
(47) 08.01.2020
(22) 20.11.2012
(54) Data communication apparatus, control method therefor, and storage medium storing control program therefor
(73) CANON KABUSHIKI KAISHA
(72) Morita, Hiroyasu
(31) 2011255056
(32) 22.11.2011
(33) Japan

(51) H04N 5/00
G06T 3/40
(11) EP3218870
(21) EP15859688.2
(47) 08.01.2020
(87) CN2015094320
19.05.2016
(22) 11.11.2015
(54) PARALLAX TOLERANT VIDEO STITCHING WITH SPATIAL-TEMPORAL LOCALIZED WARPING AND SEAM FINDING
(73) Huawei Technologies Co. Ltd.
(72) JIANG, Wei
GU, Jinwei
(31) 201414540960
(32) 13.11.2014
(33) United States of America

(51) H04N 5/14
H04N 5/208
H04N 5/21
(11) EP2976877
(21) EP14769741.1
(47) 08.01.2020
(87) US2014031311
25.09.2014
(22) 20.03.2014
(54) GUIDED FILTER-BASED DETAIL ENHANCEMENT
(73) Synaptics Incorporated
Synaptics LLC
(72) GONG, Yun
QUANG, Dam, Le
(31) 201361804522 P
(32) 22.03.2013
(33) United States of America

(51) H04N 5/225
H04N 5/232
(11) EP2605508
(21) EP12176941.8
(47) 08.01.2020
(22) 18.07.2012
(54) Camera with multi-function display
(73) Samsung Electronics Co., Ltd.
(72) Kim, Dae-myung
Kum, Dong-jun
Oh, Yun-je
Kim, Lae-kyoung
(31) 20110133996
(32) 13.12.2011
(33) Korea (Republic)

(51) H04N 5/225
H04N 5/232
H04N 5/247
H04N 13/243
(11) EP3342148
(21) EP16757216.3
(47) 08.01.2020
(87) EP2016069821
02.03.2017
(22) 22.08.2016
(54) 3D MULTI-APERTURE IMAGING DEVICE
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) WIPPERMANN, Frank
BRÜCKNER, Andreas
BRÄUER, Andreas
OBERDÖRSTER, Alexander
(31) 102015216140
(32) 24.08.2015
(33) Germany

(51) H04N 5/232
(11) EP3328064
(21) EP17184224.8
(47) 08.01.2020
(22) 01.08.2017
(54) METHOD AND DEVICE FOR CONTROLLING ELECTRONIC DEVICE AND COMPUTER-READABLE STORAGE MEDIUM
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) Longjia, Li
(31) 201611079245
(32) 29.11.2016
(33) China

(51) H04N 5/232
(11) EP2772046
(21) EP11788465.0
(47) 08.01.2020
(87) EP2011071192
02.05.2013
(22) 28.11.2011
(54) METHOD OF CONTROLLING A COOLING ARRANGEMENT
(73) Robert Bosch GmbH
(72) BOITEN, Olav
BOUWMAN, Fedde
(31) PCT/EP2011/068866
(32) 27.10.2011
(33) World Intellectual Property Office (WIPO)

(51) H04N 5/235
(11) EP2827580
(21) EP14176891.1
(47) 08.01.2020
(22) 14.07.2014
(54) Flicker detection method and flicker detection apparatus
(73) FUJITSU LIMITED
(72) Wu, Jianrong
Fu, Xuan
Higashi, Akihiro
(31) 201310305752
(32) 19.07.2013
(33) China

(51) H04N 5/335
H01L 27/146
H04N 5/225
H05K 1/02
(11) EP2587793
(21) EP11800842.4
(47) 08.01.2020
(87) JP2011064794
05.01.2012
(22) 28.06.2011
(54) IMAGE PICKUP DEVICE AND IMAGE-PICKUP DEVICE MODULE

(73) Kyocera Corporation
(72) ICHIKI, Shinji
SEGAWA, Hiroyuki
(31) 2010146463
(32) 28.06.2010
(33) Japan

(51) H04N 5/369
G01J 1/02
H01L 27/146
H01L 31/10
(11) EP3404717
(21) EP18176031.5
(47) 08.01.2020
(22) 04.11.2016
(54) HIGH-SPEED LIGHT SENSING APPARATUS
(73) Artilux Inc.
(72) NA, Yun-Chung
LIANG, Che-Fu
(31) 201562251691 P
201562271386 P
201662294436 P
201615338660
(32) 06.11.2015
28.12.2015
12.02.2016
31.10.2016
(33) United States of America
United States of America
United States of America
United States of America

(51) H04N 5/369
H01L 27/146
(11) EP3195591
(21) EP15770997.3
(47) 08.01.2020
(87) US2015049276
24.03.2016
(22) 10.09.2015
(54) IMAGE SENSOR BENDING USING TENSION
(73) Microsoft Technology Licensing, LLC
(72) GUENTER, Brian K.
(31) 201414491928
(32) 19.09.2014
(33) United States of America

(51) H04N 5/369
H04N 5/374
H01L 21/768
H01L 23/48
H01L 27/146
H04N 5/225
(11) EP3118898
(21) EP16167541.8
(47) 08.01.2020
(22) 12.03.2010
(54) SEMICONDUCTOR DEVICE AND ELECTRONIC APPARATUS
(73) Sony Corporation
(72) UMEBAYASHI, Taku
TAKAHASHI, Hiroshi
SHOHJI, Reijiroh
(31) 2009068582
2010012586
(32) 19.03.2009
22.01.2010
(33) Japan
Japan

(51) H04N 5/369
H04N 5/374
H01L 21/768
H01L 23/48
H01L 27/146
H04N 5/225
(11) EP2747139
(21) EP12838953.3
(47) 08.01.2020
(87) JP2012074945
11.04.2013
(22) 27.09.2012
(54) SEMICONDUCTOR IMAGE PICKUP DEVICE, METHOD FOR MAKING SEMICONDUCTOR IMAGE PICKUP DEVICE, AND ELECTRONIC DEVICE
(73) Sony Corporation
(72) AKIYAMA Kentaro
(31) 2011220310
2011223613
(32) 04.10.2011
11.10.2011
(33) Japan
Japan

(51) H04N 5/44
(11) EP3276945
(21) EP17192290.9
(47) 08.01.2020
(22) 02.11.2011
(54) METHOD FOR CONFIGURING THE REMOTE CONTROL FUNCTIONALITY OF A PORTABLE DEVICE
(73) Universal Electronics Inc.
(72) BARNETT, Brian
SHERIDAN, Norman, G.
HAYES, Patrick, H.
ARLING, Paul D
(31) 201113198072
(32) 04.08.2011
(33) United States of America

(51) H04N 5/44
H04N 5/63
H04W 52/02
(11) EP2524546
(21) EP10701078.7
(47) 08.01.2020
(87) US2010021118
21.07.2011
(22) 15.01.2010
(54) SYSTEM AND METHOD FOR CONSERVING ENERGY IN A DIGITAL HOME NETWORKING DEVICE
(73) InterDigital Madison Patent Holdings
(72) HUTCHINSON, Daniel, Mark
AMBRAVANESWARAN, Dinesh
TESTIN, William, John

(51) H04N 5/45
H04N 21/2343
H04N 21/262
H04N 21/431
H04N 21/472
H04N 21/4725
H04N 21/845
H04N 21/858
(11) EP3249939
(21) EP15881536.5
(47) 08.01.2020
(87) CN2015072955
18.08.2016
(22) 12.02.2015
(54) MULTI-MEDIA STREAMING SERVICE PRESENTATION METHOD, RELEVANT DEVICE AND RELEVANT SYSTEM
(73) Huawei Technologies Co. Ltd.
(72) TANG, Tingfang
WANG, Xin
ZHANG, Shaobo

(51) H04N 13/122
H04N 13/15
(11) EP2521359
(21) EP11164810.1
(47) 08.01.2020
(22) 04.05.2011
(54) Image cross-talk cancellation in stereoscopic video display devices
(73) C.R.S. iiMotion GmbH
(72) Weitbruch, Sébastien
Correa, Carlos
LÜBCKE, Gerold

(51) H04N 17/00
G06T 7/73
G06T 7/80
H04W 4/02
(11) EP2909810
(21) EP13756253.4
(47) 08.01.2020
(87) US2013056127
24.04.2014
(22) 22.08.2013
(54) SENSOR CALIBRATION AND POSITION ESTIMATION BASED ON VANISHING POINT DETERMINATION
(73) Qualcomm Incorporated
(72) CHAO, Hui
PODURI, Sameera
DAS, Saumitra Mohan
NAGUIB, Ayman Fawzy
MIRZAEI, Faraz Mohammad
(31) 201261714508 P
201213671390
(32) 16.10.2012
07.11.2012
(33) United States of America
United States of America

(51) H04N 19/105
H04N 19/597
(11) EP3059970
(21) EP14854867.0
(47) 08.01.2020
(87) KR2014009861
23.04.2015
(22) 20.10.2014
(54) METHOD PREDICTING VIEW SYNTHESIS IN MULTI-VIEW VIDEO CODING AND METHOD FOR CONSTITUTING MERGE CANDIDATE LIST BY USING SAME
(73) LG Electronics Inc.
(72) KIM, Taesup
YEA, Sehoon
HEO, Jin
SEO, Jungdong
YOO, Sunmi
NAM, Junghak
(31) 201361892443 P
201361892444 P

(32) 18.10.2013
18.10.2013
(33) United States of America
United States of America

(51) H04N 19/117
H04N 19/14
H04N 19/154
H04N 19/17
H04N 19/86
(11) EP2735144
(21) EP11869741.6
(47) 08.01.2020
(87) CA2011050446
24.01.2013
(22) 21.07.2011
(54) ADAPTIVE FILTERING BASED ON PATTERN INFORMATION
(73) BlackBerry Limited
(72) LIU, Ying
HE, Dake

(51) H04N 19/119
H04N 19/13
H04N 19/157
H04N 19/176
H04N 19/46
(11) EP3361735
(21) EP18165274.4
(47) 08.01.2020
(22) 02.07.2013
(54) ENTROPY CODING OF A VIDEO AND ENTROPY DECODING OF A VIDEO
(73) Samsung Electronics Co., Ltd.
(72) KIM, Il-koo
(31) 201261667117 P
(32) 02.07.2012
(33) United States of America

(51) H04N 19/119
H04N 19/132
H04N 19/14
H04N 19/146
H04N 19/156
H04N 19/172
H04N 19/176
H04N 19/196
H04N 19/587
H04N 19/60
(11) EP3207700
(21) EP14799745.6
(47) 08.01.2020
(87) EP2014074640
19.05.2016
(22) 14.11.2014
(54) SYSTEMS AND METHODS FOR MASK BASED PROCESSING OF A BLOCK OF A DIGITAL IMAGE
(73) Huawei Technologies Co., Ltd.
(72) DVIR, Itsik
PETERFREUND, Natan
IRONY, Dror
DREZNER, David

(51) H04N 19/124
H04N 19/129
H04N 19/13
H04N 19/136
H04N 19/139
H04N 19/176
H04N 19/18
H04N 19/46
H04N 19/50
H04N 19/51
H04N 19/59
H04N 19/61
H04N 19/70
H04N 19/91
(11) EP3410716
(21) EP18185240.1
(47) 08.01.2020
(22) 11.04.2011
(54) CODING OF SIGNIFICANCE MAPS AND TRANSFORM COEFFICIENT BLOCKS
(73) GE Video Compression, LLC
(72) KIRCHHOFFER, Heiner
SCHWARZ, Heiko
NGUYEN, Tung
MARPE, Detlev
WIEGAND, Thomas
(31) PCT/EP2010/054822
10159766
(32) 13.04.2010
13.04.2010
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) H04N 19/124
H04N 19/157
H04N 19/176
H04N 19/186
H04N 19/61
H04N 19/70
(11) EP3205098
(21) EP15848181.2
(47) 08.01.2020
(87) SE2015051042
14.04.2016
(22) 02.10.2015
(54) CODING AND DERIVING QUANTIZATION PARAMETERS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SAMUELSSON, Jonatan
SJÖBERG, Rickard
(31) 201462060071 P
(32) 06.10.2014
(33) United States of America

(51) H04N 19/13
H04N 19/157
H04N 19/159
H04N 19/176
H04N 19/46
H04N 19/91
H04N 19/96
(11) EP3148192
(21) EP16197911.7
(47) 08.01.2020
(22) 19.01.2012
(54) METHOD AND APPARATUS FOR COMPRESSING A CODING UNIT IN HIGH EFFICIENCY VIDEO CODING
(73) HFI Innovation Inc.
(72) LIU, Shan
HUANG, Yu-Wen
LEI, Shaw-Min
(31) 201161508825 P
201113272221
(32) 18.07.2011
13.10.2011
(33) United States of America
United States of America

(51) H04N 19/174
H04N 19/30
H04N 19/423
H04N 19/436
H04N 19/46
H04N 19/52
H04N 19/597
H04N 19/70
(11) EP3301923
(21) EP17201617.2
(47) 08.01.2020
(22) 19.09.2013
(54) IMAGE DECODING METHOD AND IMAGE DECODING APPARATUS
(73) Velos Media International Limited
(72) ESENLIK, Semih
NARROSCHKE, Matthias
WEDI, Thomas
(31) 201261705846 P
201261711892 P
(32) 26.09.2012
10.10.2012
(33) United States of America
United States of America

(51) H04N 19/593
H04N 19/70
H04N 19/93
(11) EP3266217
(21) EP16764256.0
(47) 08.01.2020
(87) CN2016076627
22.09.2016
(22) 17.03.2016
(54) METHOD AND APPARATUS FOR VIDEO OR IMAGE DECODING USING PALETTE CODING MODE AND METHOD FOR VIDEO OR IMAGE CODING
(73) HFI Innovation Inc.
(72) YE, Jing
CHUANG, Tzu-Der
LIU, Shan
SUN, Yu-Chen
(31) 201562134655 P
(32) 18.03.2015
(33) United States of America

(51) H04N 19/82
(11) EP3247117
(21) EP17161216.1
(47) 08.01.2020
(22) 07.11.2012
(54) METHOD AND DEVICE FOR OPTIMIZING ENCODING/DECODING OF COMPENSATION OFFSETS FOR A SET OF RECONSTRUCTED SAMPLES OF AN IMAGE
(73) Canon Kabushiki Kaisha
(72) LAROCHE, Guillaume
GISQUET, Christophe
FRANCOIS, Edouard
ONNO, Patrice
(31) 201119206
201203285
201205304
(32) 07.11.2011
24.02.2012
26.03.2012
(33) United Kingdom
United Kingdom

United Kingdom

(51) H04N 21/00
H04L 12/24
H04L 12/26
H04L 29/06
H04L 29/08
(11) EP3311543
(21) EP16734801.0
(47) 08.01.2020
(87) US2016038150
22.12.2016
(22) 17.06.2016
(54) MIDDLEWARE DELIVERY OF DASH CLIENT QOE METRICS
(73) Qualcomm Incorporated
(72) GHOLMIEH, Ralph Akram
PAZOS, Carlos Marcelo Dias
NAIK, Nagaraju
STOCKHAMMER, Thomas
LO, Charles Nung
(31) 201562182267 P
201615184451
(32) 19.06.2015
16.06.2016
(33) United States of America
United States of America

(51) H04N 21/00
H04N 21/2347
H04N 21/254
H04N 21/418
H04N 21/4405
H04N 21/4627
H04N 21/6334
G06F 21/10
(11) EP3264306
(21) EP17172165.7
(47) 08.01.2020
(22) 22.05.2017
(54) REINFORCING THE SECURITY OF A PAY TELEVISION SYSTEM
(73) 4T SA
(72) NACCACHE, David
JECZMINSKI, Lukasz
ZAJAKALA, Mateusz
SAINI, Jas
(31) 1656081
(32) 29.06.2016
(33) France

(51) H04N 21/234
H04N 21/24
H04N 21/262
H04N 21/845
H04L 29/06
H04L 12/825
(11) EP2785068
(21) EP14159821.9
(47) 08.01.2020
(22) 14.03.2014
(54) Video image data delivery device, method and system
(73) FUJITSU LIMITED
(72) Togo, Tsutomu
(31) 2013064480
(32) 26.03.2013
(33) Japan

(51) H04N 21/234
H04N 21/41
H04N 21/43
H04N 21/81
H04N 21/8547
G06Q 30/02
(11) EP2904563
(21) EP13770610.7
(47) 08.01.2020
(87) US2013060806
10.04.2014
(22) 20.09.2013
(54) INFORMATION PROVISION
(73) Google Technology Holdings LLC
(72) ISHTIAQ, Faisal
GANDHI, Bhavan
METCALF, Crysta J.
(31) 201213645664
(32) 05.10.2012
(33) United States of America

(51) H04N 21/2343
H04N 21/262
H04N 21/845
(11) EP3142381
(21) EP15789417.1
(47) 08.01.2020
(87) CN2015077895
12.11.2015
(22) 30.04.2015
(54) NETWORK VIDEO PLAYING METHOD AND DEVICE
(73) Huawei Technologies Co. Ltd.
(72) YANG, Xiaofeng
ZHANG, Renzhou
SHI, Teng
(31) 201410186163
(32) 05.05.2014
(33) China

(51) H04N 21/2347
H04N 21/254
H04N 21/433
H04N 21/462
H04N 21/63
H04N 21/835
H04N 21/845
(11) EP1470722
(21) EP03715011.7
(47) 08.01.2020
(87) FR2003000124
07.08.2003
(22) 15.01.2003
(54) DEVICE THAT IS USED FOR SECURE DIFFUSION, CONTROLLED DISPLAY, PRIVATE COPYING AND MANAGEMENT OF, AND CONDITIONAL ACCESS TO, MPEG-4-TYPE AUDIOVISUAL CONTENT RIGHTS
(73) NAGRA FRANCE SAS
(72) LECOMTE, Daniel
(31) 0201164
(32) 31.01.2002
(33) France

(51) H04N 21/235
H04N 21/438
H04N 21/643
H04N 21/845
H04L 29/06
H04L 29/08
(11) EP3378232
(21) EP16809503.2
(47) 08.01.2020
(87) FR2016053009
26.05.2017
(22) 18.11.2016
(54) METHOD FOR PROCESSING ENCODED DATA, METHOD FOR RECEIVING ENCODED DATA, CORRESPONDING DEVICES AND COMPUTER PROGRAMS
(73) B<>COM
(72) HOUZE, Patrice
(31) 1561204
(32) 20.11.2015
(33) France

(51) H04N 21/258
H04N 21/4402
H04N 21/4788
H04N 21/6377
H04N 21/658
H04L 12/18
H04N 7/12
H04N 7/15
(11) EP2359596
(21) EP09835436.8
(47) 08.01.2020
(87) US2009063739
01.07.2010
(22) 09.11.2009
(54) VIDEO CONFERENCE RATE MATCHING
(73) Microsoft Technology Licensing, LLC
(72) LEE, Ming-Chieh
HAN, Mu
MOORE, Tim
(31) 334969
(32) 15.12.2008
(33) United States of America

(51) H04N 21/2665
H04N 21/462
H04N 21/63
H04N 21/643
H04N 21/647
H04L 12/701
(11) EP2908487
(21) EP13851678.6
(47) 08.01.2020
(87) CN2013083904
08.05.2014
(22) 22.09.2013
(54) NETWORKING METHOD AND NETWORKING DEVICE
(73) ZTE Corporation
(72) LIANG, Jianshi
ZHENG, Fazhan
WEN, Tingting
KONG, Qi
(31) 201210436212
(32) 05.11.2012
(33) China

(51) H04N 21/41
H04N 21/422
G06F 1/16
G06F 3/01
G06F 3/03
H04L 12/28
H04M 1/725
G06F 3/0346
G06F 3/038
G06F 3/0484
G06F 3/0488
(11) EP3214536

(21) EP16176935.1
(47) 08.01.2020
(22) 29.06.2016
(54) SYSTEM AND METHOD FOR REMOTELY CONTROLLING A DEVICE
(73) Wipro Limited
(72) JAYARAJ, Ragupathy
PRABHU, Mukesh Manjunath
(31) 201604007469
(32) 03.03.2016
(33) India

(51) H04N 21/41
H04N 21/4227
H04N 21/436
H04N 21/4367
H04N 21/475
H04N 21/4782
H04N 21/81
H04L 12/28
(11) EP2958274
(21) EP15001625.1
(47) 08.01.2020
(22) 29.05.2015
(54) SERVER, AND HOME DEVICE REMOTE CONTROL SYSTEM INCLUDING THE SAME
(73) LG Electronics Inc.
(72) Kwon, Ilgeun
LIM, Sangyong
KIM, Dongju
Hwang, Soobin
Shin, Jaewan
LEE, Kidong
(31) 201462004897 P
20140123448
(32) 30.05.2014
17.09.2014
(33) United States of America
Korea (Republic)

(51) H04N 21/41
H04N 21/43
H04N 21/439
H04N 21/443
H04N 21/845
H04N 21/858
G06F 16/48
(11) EP3138021
(21) EP15723854.4
(47) 08.01.2020
(87) EP2015059600
05.11.2015
(22) 30.04.2015
(54) DEVICE SYNCHRONIZATION
(73) Piksel, Inc.
(72) SHAW, Philip
WEAVER, Miles
(31) 201407618
(32) 30.04.2014
(33) United Kingdom

(51) H04N 21/414
H04N 21/4367
H04K 1/00
H04L 5/00
H04L 29/06
H04M 11/06
H04W 12/02
H04B 1/3827
H04W 4/20
H04W 76/14
(11) EP3304955
(21) EP16725531.4
(47) 08.01.2020
(87) EP2016061975
08.12.2016
(22) 27.05.2016
(54) METHODS AND SYSTEMS FOR ESTABLISHING AN ENCRYPTED-AUDIO SESSION
(73) Nagravision S.A.
(72) WENDLING, Bertrand
(31) 201514726102
(32) 29.05.2015
(33) United States of America

(51) H04N 21/414
H04N 21/472
H04N 21/61
H04N 21/6405
H04L 1/00
H04L 29/08
H04W 4/06
H04W 4/40
H04W 4/42
H04W 4/44
(11) EP3113385
(21) EP16184888.2
(47) 08.01.2020
(22) 07.11.2014
(54) SYSTEMS AND METHODS FOR PROVIDING CONTENT TO VEHICLES
(73) KVH Industries, Inc.
(72) KITS VAN HEYNINGEN, Martin A.
CROY, John
HAYTHORNWAITE, Stephen Mark
BENSON, Daniel Murray
BALOG, Robert
(31) 201461933958 P
(32) 31.01.2014
(33) United States of America

(51) H04N 21/414
H05B 37/02
(11) EP2926626
(21) EP13803253.7
(47) 08.01.2020
(87) IB2013060136
05.06.2014
(22) 14.11.2013
(54) METHOD FOR CREATING AMBIENCE LIGHTING EFFECT BASED ON DATA DERIVED FROM STAGE PERFORMANCE
(73) Signify Holding B.V.
(72) VAN HERPEN, Maarten Marinus Johannes Wilhelmus
(31) 201261730102 P
(32) 27.11.2012
(33) United States of America

(51) H04N 21/4147
H04N 21/418
H04N 21/4408
H04N 21/441
H04N 21/4415
H04N 21/4627
H04N 21/475
(11) EP3039877
(21) EP13758808.3
(47) 08.01.2020
(87) EP2013067890
05.03.2015
(22) 29.08.2013
(54) RECEIVER OF TELEVISION SIGNALS, RECEIVED BY AIR, CABLE OR INTERNET, EQUIPPED WITH MEMORY MEANS WITHIN WHICH SAID TELEVISION SIGNALS ARE MEMORIZED, WHERE IT IS POSSIBLE TO ARRANGE AND DISPLAY THE CONTENTS OF SAID MEMORY MEANS
(73) Saronikos Trading and Services, Unipessoal Lda
(72) JAMES, Robert

(51) H04N 21/422
G06F 3/041
G06F 3/0488
(11) EP3418874
(21) EP17176702.3
(47) 08.01.2020
(22) 19.06.2017
(54) A TOUCHSCREEN FOR A REMOTE CONTROL DEVICE
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
(72) DEMIR, Murat
KAHRAMANOGLU, Gürmen

(51) H04N 21/422
H04N 21/4363
(11) EP3357254
(21) EP17824379.6
(47) 08.01.2020
(87) KR2017001608
11.01.2018
(22) 14.02.2017
(54) ELECTRONIC APPARATUS AND CONTROLLING METHOD THEREOF
(73) Samsung Electronics Co., Ltd.
(72) PARK, Jong-jin
PARK, Young-in
KIM, Min-sup
YUN, Hyun-kyu
LEE, Won-jae
CHO, Dae-woo
(31) 20160084735
(32) 05.07.2016
(33) Korea (Republic)

(51) H04N 21/4363
G09G 5/00
(11) EP3051801
(21) EP15196203.2
(47) 08.01.2020
(22) 25.11.2015
(54) VIDEO SWITCH AND SWITCHING METHOD THEREOF
(73) ATEN International Co., Ltd.
(72) Kuo, Huei-Jen
(31) 104102743
(32) 27.01.2015
(33) Taiwan, Province of China

(51) H04N 21/4363
G09G 5/00
G09G 5/12
H02J 7/00
H04N 5/765
(11) EP3306946
(21) EP16803782.8
(47) 08.01.2020
(87) KR2016005931

08.12.2016
(22) 03.06.2016
(54) METHOD FOR TRANSMITTING AND RECEIVING POWER USING HDMI AND APPARATUS THEREFOR
(73) LG Electronics Inc.
(72) PARK, Jangwoong
(31) 201562170707 P
(32) 04.06.2015
(33) United States of America

(51) H04N 21/485
G08B 13/196
H04N 5/232
H04N 5/265
H04N 7/08
H04N 7/18
(11) EP3005679
(21) EP14804059.5
(47) 08.01.2020
(87) JP2014002853
04.12.2014
(22) 29.05.2014
(54) IMAGE PICKUP SYSTEM, IMAGE PICKUP APPARATUS, AND METHOD OF CONTROLLING THE SAME
(73) Canon Kabushiki Kaisha
(72) NIIDA, Mitsuo
(31) 2013115685
2013115687
(32) 31.05.2013
31.05.2013
(33) Japan
Japan

(51) H04Q 9/00
E21B 47/12
(11) EP2980351
(21) EP15179284.3
(47) 08.01.2020
(22) 31.07.2015
(54) TELEMETRY SYSTEM AND METHOD OF OPERATING THE SAME
(73) Schlumberger Holdings Limited
(72) RECIO, Adolfo
SAWAF, Tamim
PARASRAM, Ryan
BOUVIER, Hugues
TENNENT, Robert
COOK, Scott
(31) 201462031601 P
(32) 31.07.2014
(33) United States of America

(51) H04R 1/02
H04R 1/04
H04R 19/00
H04R 19/04
H04R 31/00
(11) EP3169080
(21) EP16197143.7
(47) 08.01.2020
(22) 03.11.2016
(54) CONDENSER MICROPHONE UNIT, CONDENSER MICROPHONE, AND METHOD OF MANUFACTURING CONDENSER MICROPHONE
(73) Audio-Technica Corporation
(72) YOSHINO, Satoshi
FURUYA, Hiroaki
(31) 2015222470
(32) 12.11.2015
(33) Japan

(51) H04R 1/04
H04R 1/22
H04R 3/00
H04R 7/24
(11) EP2679024
(21) EP11859545.3
(47) 08.01.2020
(87) IB2011050813
30.08.2012
(22) 25.02.2011
(54) A TRANSDUCER APPARATUS WITH A TENSION ACTUATOR
(73) Nokia Technologies Oy
(72) SUVANTO, Mikko, Veli, Aimo

(51) H04R 1/10
H04R 3/12
(11) EP3035698
(21) EP14836318.7
(47) 08.01.2020
(87) JP2014003381
19.02.2015
(22) 24.06.2014
(54) HEADPHONE-TYPE ACOUSTIC DEVICE AND METHOD FOR CONTROLLING SAME
(73) Sony Corporation
(72) KAMADA, Jo
OHASHI, Atsuto
KAWAMURA, Asako
ONOGI, Yasuhiro
(31) 2013168300
(32) 13.08.2013
(33) Japan

(51) H04R 1/10
H04R 5/033
(11) EP3396973
(21) EP16902276.1
(47) 08.01.2020
(87) CN2016114039
23.11.2017
(22) 31.12.2016
(54) ADJUSTABLE HEAD-MOUNTED STRUCTURE
(73) Qingdao Goertek Technology Co., Ltd.
(72) WANG, Fujian
YUAN, Long
CUI, Zengsen
(31) 201610321929
(32) 14.05.2016
(33) China

(51) H04R 1/10
H04R 5/04
H04B 1/38
(11) EP2826256
(21) EP13713594.3
(47) 08.01.2020
(87) US2013028794
19.09.2013
(22) 04.03.2013
(54) CONNECTION-RESPONSIVE AUDIO SOURCE MANAGEMENT
(73) Bose Corporation
(72) YAMKOVOY, Paul G.
(31) 201213421992
(32) 16.03.2012
(33) United States of America

(51) H04R 1/24
H04R 9/02
H04R 9/06
(11) EP3448062
(21) EP18190735.3
(47) 18.12.2019
(22) 24.08.2018
(54) COAXIAL DUAL-VOICE-COIL DRIVER
(73) Tymphany HK Limited
(72) YANG, Shao Lin
ZHAN, Yu Bing
(31) 201762550151 P
(32) 25.08.2017
(33) United States of America

(51) H04R 1/40
H04R 3/00
(11) EP3091753
(21) EP16166152.5
(47) 08.01.2020
(22) 20.04.2016
(54) METHOD AND DEVICE OF OPTIMIZING SOUND SIGNAL
(73) Xiaomi Inc.
(72) YEN, Chiafu
WANG, Nannan
ZHANG, Peng
ZHANG, Liujun
(31) 201510226844
(32) 06.05.2015
(33) China

(51) H04R 1/40
H04R 3/00
(11) EP2647221
(21) EP11808175.1
(47) 08.01.2020
(87) EP2011071600
07.06.2012
(22) 02.12.2011
(54) APPARATUS AND METHOD FOR SPATIALLY SELECTIVE SOUND ACQUISITION BY ACOUSTIC TRIANGULATION
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(72) HERRE, Jürgen
KÜCH, Fabian
KALLINGER, Markus
DEL GALDO, Giovanni
GRILL, Bernhard
(31) 419720 P
(32) 03.12.2010
(33) United States of America

(51) H04R 7/04
(11) EP3142385
(21) EP15184991.6
(47) 08.01.2020
(22) 14.09.2015
(54) SOUND REPRODUCING DISPLAY
(73) Vestel Elektronik Sanayi ve Ticaret A.S.
(72) KIRISKEN, Barbaros

(51) H04R 7/10
H04R 11/02
H04R 31/00
(11) EP3352478
(21) EP16846061.6
(47) 08.01.2020

(87) JP2016068486
23.03.2017
(22) 22.06.2016
(54) SOUND PRODUCTION DEVICE
(73) Alps Alpine Co., Ltd.
(72) NUMATA, Taishi
SATO, Yutaka
SATO, Kiyoshi
SATO, Hideji
(31) 2015183066
(32) 16.09.2015
(33) Japan

(51) H04R 25/00
(11) EP2505003
(21) EP10784646.1
(47) 08.01.2020
(87) US2010057825
03.06.2011
(22) 23.11.2010
(54) IMPLANTABLE MICROPHONE FOR HEARING SYSTEMS
(73) MED-EL Elektromedizinische Geräte GmbH
(72) HELLMUTH, Alexander
ZAHNERT, Thomas
HOFMANN, Gert
BORNITZ, Matthias
SEIDLER, Hannes
HÜTTENBRINK, Karl-Bernd
(31) 264139 P
(32) 24.11.2009
(33) United States of America

(51) H04R 25/00
(11) EP2505002
(21) EP10784418.5
(47) 08.01.2020
(87) US2010057851
03.06.2011
(22) 23.11.2010
(54) IMPLANTABLE MICROPHONE FOR HEARING SYSTEMS
(73) MED-EL Elektromedizinische Geräte GmbH
(72) ZAHNERT, Thomas
HOFMANN, Gert
BORNITZ, Matthias
SEIDLER, Hannes
HUTTENBRINK, Karl-Bernd
HELLMUTH, Alexander
(31) 264139 P
(32) 24.11.2009
(33) United States of America

(51) H04R 25/00
(11) EP3269152
(21) EP15709692.6
(47) 08.01.2020
(87) EP2015055351
28.05.2015
(22) 13.03.2015
(54) METHOD FOR DETERMINING USEFUL HEARING DEVICE FEATURES BASED ON LOGGED SOUND CLASSIFICATION DATA
(73) Sonova AG
(72) NGAI, Raymond
RULE, Betty
DUNNING, Galen

(51) H04S 3/00
(11) EP2337380
(21) EP10171810.4
(47) 08.01.2020
(22) 15.10.2007
(54) A method and encoder for combining digital data sets, a decoding method and decoder for such combined digital data sets and a record carrier for storing such combined digital data sets
(73) Galaxy Studios NV
(72) Van den Berghe, Guido
Van Baelen, Wilfried
(31) 829321 P
(32) 13.10.2006
(33) United States of America

(51) H04S 3/02
(11) EP3429233
(21) EP18191388.0
(47) 18.12.2019
(22) 30.07.2014
(54) MATRIX DECODER WITH CONSTANT-POWER PAIRWISE PANNING
(73) DTS, Inc.
(72) THOMPSON, Jeffrey
(31) 201361860024 P
(32) 30.07.2013
(33) United States of America

(51) H04S 7/00
(11) EP3141002
(21) EP15797561.6
(47) 08.01.2020
(87) US2015059911
19.05.2016
(22) 10.11.2015
(54) VIRTUAL SOUND SYSTEMS AND METHODS
(73) Google LLC
(72) GORZEL, Marcin
BOLAND, Frank
O'TOOLE, Brian
KELLY, Ian
(31) 201462078050 P
(32) 11.11.2014
(33) United States of America

(51) H04W 4/00
(11) EP3222063
(21) EP15805697.8
(47) 08.01.2020
(87) US2015062203
26.05.2016
(22) 23.11.2015
(54) RING NETWORK OF BLUETOOTH SPEAKERS
(73) Avnera Corporation
(72) HETKE, Theodore
SPETH, John
(31) 201414550545
(32) 21.11.2014
(33) United States of America

(51) H04W 4/02
H04W 4/021
H04W 4/029
(11) EP2832119
(21) EP13720437.6
(47) 08.01.2020
(87) FR2013050675
03.10.2013
(22) 28.03.2013
(54) METHOD FOR DELIVERING A "LOCALISED" MESSAGE TO A TERMINAL OF A RECIPIENT USER, AND ASSOCIATED PROCESSING METHOD, DEVICES AND COMPUTER PROGRAMS
(73) Orange
(72) EVENNOU, Frédéric
MADILLO, Pierre
RUFFIN, Arnaud
(31) 1252926
(32) 30.03.2012
(33) France

(51) H04W 4/021
H04W 4/70
(11) EP2673969
(21) EP12744372.9
(47) 08.01.2020
(87) JP2012053204
16.08.2012
(22) 07.02.2012
(54) COMMUNICATION SYSTEM
(73) NEC Corporation
(72) IANEV, Iskren
LAIR, Yannick
(31) 201102389
(32) 10.02.2011
(33) United Kingdom

(51) H04W 4/08
H04B 10/114
H04B 10/116
H04W 4/70
(11) EP3516888
(21) EP17771737.8
(47) 08.01.2020
(87) EP2017073616
29.03.2018
(22) 19.09.2017
(54) ASSOCIATING A MOBILE DEVICE WITH A GROUP
(73) Signify Holding B.V.
(72) ENGELEN, Dirk, Valentinus, René
VAN DE SLUIS, Bartel, Marinus
ALIAKSEYEU, Dzmitry, Viktorovich
(31) 16190019
16191427
(32) 22.09.2016
29.09.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)

(51) H04W 4/10
(11) EP2914024
(21) EP13807245.9
(47) 08.01.2020
(87) CN2013081880
27.12.2013
(22) 20.08.2013
(54) METHOD FOR IMPLEMENTING TRUNK SERVICE BASED ON LONG TERM EVOLUTION AND TRUNK USER TERMINAL
(73) ZTE Corporation
(72) PAN, Lei
(31) 201210492793
(32) 28.11.2012
(33) China

(51) H04W 4/12
H04W 88/02
G06F 3/048
G06F 3/0481

G06F 3/0484
G06F 3/0486
G06F 3/0488
(11) EP3232731
(21) EP15867782.3
(47) 08.01.2020
(87) KR2015012378
16.06.2016
(22) 18.11.2015
(54) MOBILE TERMINAL
(73) LG Electronics Inc.
(72) OH, Sesook
SEO, Kyunghye
KANG, Sungjin
(31) 20140175055
(32) 08.12.2014
(33) Korea (Republic)

(51) H04W 4/14
H04W 68/00
H04W 4/70
H04W 76/28
(11) EP3320751
(21) EP16798690.0
(47) 08.01.2020
(87) EP2016077871
08.06.2017
(22) 16.11.2016
(54) ENHANCEMENT OF MT SM DELIVERY FOR EDRX ENABLED MOBILE TERMINALS
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) YANG, Yong
CHEN, Qian
(31) 201562262006 P
(32) 02.12.2015
(33) United States of America

(51) H04W 4/20
H04W 4/70
(11) EP2852083
(21) EP13851362.7
(47) 08.01.2020
(87) CN2013086487
08.05.2014
(22) 04.11.2013
(54) METHOD AND CORE NETWORK DEVICE FOR TRANSMITTING DEVICE TRIGGER MESSAGE
(73) Huawei Device Co., Ltd.
(72) ZHANG, Jun
JIN, Hui
YI, Qiang
LI, Na
(31) 201210436243
(32) 05.11.2012
(33) China

(51) H04W 4/50
H04W 4/70
(11) EP3264807
(21) EP17166401.4
(47) 08.01.2020
(22) 24.02.2012
(54) METHOD AND APPARATUS FOR ACCESSING SERVICES AFFILIATED WITH A DISCOVERED SERVICE PROVIDER
(73) IOT Holdings, Inc.
(72) SEED, Dale N.
LU, Guang
WANG, Chonggang
DI GIROLAMO, Rocco
RUSSELL, Paul L. Jr.
STARSINIC, Michael F
PINHEIRO, Ana Lucia
PODIAS, Nicholas J.
(31) 201161448924 P
201161485711 P
(32) 03.03.2011
13.05.2011
(33) United States of America
United States of America

(51) H04W 8/00
(11) EP3453196
(21) EP17724131.2
(47) 08.01.2020
(87) SE2017050421
09.11.2017
(22) 28.04.2017
(54) DETECTION SEQUENCE FOR D2D COMMUNICATION
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) SORRENTINO, Stefano
BLASCO SERRANO, Ricardo
DO, Hieu
ZANG, Yunpeng
(31) 201662332398 P
(32) 05.05.2016
(33) United States of America

(51) H04W 8/00
H04W 24/10
(11) EP3469820
(21) EP16808807.8
(47) 08.01.2020
(87) IB2016057062
14.12.2017
(22) 23.11.2016
(54) DISCOVERY SIGNAL MEASUREMENT TIMING CONFIGURATION FOR SCELLS IN ASYNCHRONOUS NETWORKS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) WITTENMARK, Emma
ALRIKSSON, Peter
SUGIRTHARAJ, David
PHAN, Mai-Anh
(31) 201662347543 P
(32) 08.06.2016
(33) United States of America

(51) H04W 8/00
H04W 76/14
(11) EP3099092
(21) EP15740705.7
(47) 08.01.2020
(87) KR2015000617
30.07.2015
(22) 21.01.2015
(54) METHOD FOR DETERMINING TERMINAL IDENTIFIER IN WIRELESS COMMUNICATION SYSTEM SUPPORTING DEVICE-TO-DEVICE COMMUNICATION AND APPARATUS FOR SAME
(73) LG Electronics Inc.
(72) KIM, Hakseong
SEO, Hanbyul
(31) 201461929919 P
(32) 21.01.2014
(33) United States of America

(51) H04W 8/18
H04W 88/02
H04W 4/60
(11) EP3413602
(21) EP17755714.7
(47) 08.01.2020
(87) CN2017071321
31.08.2017
(22) 16.01.2017
(54) APPLICATION PROCESSING METHOD AND APPARATUS FOR EMBEDDED UNIVERSAL INTEGRATED CIRCUIT CARD
(73) Huawei Technologies Co., Ltd.
(72) YI, Qiang
LONG, Shuiping
GAO, Linyi
(31) PCT/CN2016/074579
(32) 25.02.2016
(33) World Intellectual Property Office (WIPO)

(51) H04W 8/24
H04W 12/00
H04W 12/04
H04W 28/18
H04W 4/50
H04W 76/14
(11) EP2689629
(21) EP12713509.3
(47) 08.01.2020
(87) US2012030318
27.09.2012
(22) 23.03.2012
(54) SYSTEM AND METHOD FOR NETWORK PROVISIONING OF MOBILE ENTITIES FOR PEER-TO-PEER SERVICE
(73) Qualcomm Incorporated
(72) HORN, Gavin, Bernard
GRIOT, Miguel
GIARETTA, Gerardo
(31) 201161466505 P
201213427818
(32) 23.03.2011
22.03.2012
(33) United States of America
United States of America

(51) H04W 8/26
H04W 24/08
H04W 28/16
H04W 48/18
H04W 72/04
H04W 88/10
(11) EP2536205
(21) EP11803075.8
(47) 08.01.2020
(87) CN2011071378
12.01.2012
(22) 28.02.2011
(54) METHOD AND SYSTEM FOR RESOURCE MANAGEMENT BASED ON RADIO NETWORK SHARING
(73) ZTE Corporation
(72) QIE, Xiaodan
ZHANG, Xianzhou
(31) 201010226234
(32) 06.07.2010
(33) China

(51) H04W 12/04
G06F 21/74

(11) EP3370449
(21) EP15909047.1
(47) 08.01.2020
(87) CN2015095573
01.06.2017
(22) 25.11.2015
(54) METHOD AND DEVICE FOR CONFIGURING SECURITY INDICATION INFORMATION
(73) Huawei Technologies Co., Ltd.
(72) LI, Guoqing
CHANG, Xinmiao
WANG, Zi

(51) H04W 12/06
H04W 12/08
G06F 21/36
(11) EP3314899
(21) EP16818412.5
(47) 08.01.2020
(87) US2016034336
05.01.2017
(22) 26.05.2016
(54) TECHNOLOGIES FOR DEPTH-BASED USER AUTHENTICATION
(73) Intel Corporation
(72) BACA, Jim S.
STANASOLOVICH, David
KOHLENBERG, Tobias M.
SHAH, Prital B.
BAKER, David W.
(31) 201514752858
(32) 27.06.2015
(33) United States of America

(51) H04W 12/06
H04W 88/16
(11) EP2840820
(21) EP12876760.5
(47) 08.01.2020
(87) CN2012082715
21.11.2013
(22) 10.10.2012
(54) NETWORK CONVERGENCE METHOD AND DEVICE, AND COMMUNICATION SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) ZHU, Chunsheng
HUANG, Baoqing
ZHENG, Qi
(31) 201210149929
(32) 15.05.2012
(33) China

(51) H04W 16/04
(11) EP3073775
(21) EP13897747.5
(47) 08.01.2020
(87) CN2013087561
28.05.2015
(22) 21.11.2013
(54) CALLING METHOD AND BASE STATION APPARATUS FOR WIRELESS SPECTRUM RESOURCE
(73) Huawei Technologies Co., Ltd.
(72) CHAI, Li
LIN, Bo
MA, Sha
ZHENG, Juan

(51) H04W 16/10
H04W 4/02
(11) EP3381222
(21) EP16795350.4
(47) 08.01.2020
(87) EP2016077708
01.06.2017
(22) 15.11.2016
(54) GATEWAY CONFIGURATION METHOD
(73) Sagemcom Energy & Telecom SAS
(72) TEBOULLE, Henri
MORO, Paolo
(31) 1561345
(32) 25.11.2015
(33) France

(51) H04W 16/10
H04W 52/36
H04W 52/40
H04W 74/08
H04W 84/12
(11) EP3420775
(21) EP17709536.1
(47) 08.01.2020
(87) US2017019017
31.08.2017
(22) 23.02.2017
(54) ACCESS POINT GUIDED REUSE
(73) Qualcomm Incorporated
(72) BARRIAC, Gwendolyn, Denise
MERLIN, Simone
ASTERJADHI, Alfred
CHERIAN, George
ZHOU, Yan
TIAN, Qingjiang
(31) 201662298973 P
201715439510
(32) 23.02.2016
22.02.2017
(33) United States of America
United States of America

(51) H04W 16/14
H04W 4/02
(11) EP3422757
(21) EP18190175.2
(47) 18.12.2019
(22) 19.03.2013
(54) COLLABORATIVE SPECTRUM SENSING IN COGNITIVE RADIO NETWORK
(73) Harman International Industries, Inc.
(72) YANG, Zeng
ZHANG, Qingshan
ZHANG, Guoxia

(51) H04W 16/14
H04W 16/24
H04W 48/16
H04W 74/00
H04W 84/10
(11) EP2537268
(21) EP11745036.1
(47) 08.01.2020
(87) US2011023442
25.08.2011
(22) 02.02.2011
(54) CLUSTERING MANAGEMENT IN mmWAVE WIRELESS SYSTEMS
(73) Intel Corporation
(72) CORDEIRO, Carlos
TRAININ, Solomon
(31) 824413
304974 P
(32) 28.06.2010
16.02.2010
(33) United States of America
United States of America

(51) H04W 16/14
H04W 24/02
H04W 24/08
H04W 48/16
H04W 84/12
(11) EP3406094
(21) EP17708409.2
(47) 08.01.2020
(87) US2017018721
08.09.2017
(22) 21.02.2017
(54) METHOD AND APPARATUS FOR INTERFERENCE DETECTION TO REDUCE IMPACT ON WI-FI PERFORMANCE
(73) Apple Inc.
(72) BELGHOUL, Farouk
SMAINI, Lydi
TABET, Tarik
MUJTABA, Syed Aon
(31) 201662301419 P
201715430664
(32) 29.02.2016
13.02.2017
(33) United States of America
United States of America

(51) H04W 16/14
H04W 56/00
H04W 72/00
H04W 74/00
(11) EP3329728
(21) EP16760578.1
(47) 08.01.2020
(87) US2016044756
09.02.2017
(22) 29.07.2016
(54) TECHNIQUES FOR MULTIMEDIA BROADCAST MULTICAST SERVICE TRANSMISSIONS IN UNLICENSED SPECTRUM
(73) QUALCOMM INCORPORATED
(72) ZHANG, Xiaoxia
YERRAMALLI, Srinivas
LUO, Tao
(31) 201562199843 P
201615222745
(32) 31.07.2015
28.07.2016
(33) United States of America
United States of America

(51) H04W 16/14
H04W 74/08
H04W 88/06
H04W 92/20
(11) EP3065495
(21) EP14857199.5
(47) 08.01.2020
(87) KR2014009373
07.05.2015
(22) 06.10.2014
(54) METHOD FOR CONTROLLING BASE STATION IN MULTI-RAT ENVIRONMENT AND TRANSMITTING/RECEIVING DATA ACCORDING TO

CONTROL OF BASE STATION, AND APPARATUS FOR PERFORMING SAME
(73) LG Electronics Inc.
(72) LEE,Eunjong
CHO, Heejeong
CHUNG, Jaehoon
HAHN, Genebeck
CHOI, Hyeyoung
(31) 201361897230 P
(32) 30.10.2013
(33) United States of America

(51) H04W 16/18
H04W 24/02
(11) EP3443770
(21) EP16719793.8
(47) 08.01.2020
(87) EP2016057992
19.10.2017
(22) 12.04.2016
(54) RADIO ACCESS NETWORK NODE
(73) Telecom Italia S.p.A.
(72) BIZZARRI, Simone
BULDORINI, Andrea
SCHIAVONI, Andrea

(51) H04W 24/00
H04W 28/10
H04W 56/00
H04L 12/841
H04L 12/891
(11) EP2883385
(21) EP13834857.8
(47) 08.01.2020
(87) CA2013000763
13.03.2014
(22) 06.09.2013
(54) METHOD FOR CHARACTERIZATION AND OPTIMIZATION OF MULTIPLE SIMULTANEOUS REAL-TIME DATA CONNECTIONS
(73) Dejero Labs Inc.
(72) SZE, David
FRUSINA, Bogdan
GILHULY, Barry
SCHNEIDER, Todd
(31) 201261698082 P
(32) 07.09.2012
(33) United States of America

(51) H04W 24/02
H04W 36/22
H04W 40/00
H04W 52/02
(11) EP2912890
(21) EP13850895.7
(47) 08.01.2020
(87) US2013067326
08.05.2014
(22) 29.10.2013
(54) SUPPORTING A BASE STATION TO ENTER AND LEAVE SLEEP MODE IN A WIRELESS COMMUNICATION SYSTEM
(73) ZTE USA, INC.
(72) WU, Huaming
(31) 201261719898 P
(32) 29.10.2012
(33) United States of America

(51) H04W 24/04
H04W 36/12
H04W 88/14
(11) EP3163943
(21) EP15811393.6
(47) 08.01.2020
(87) JP2015001192
30.12.2015
(22) 05.03.2015
(54) CONTROL NODE AND NETWORK NODE, AND METHOD CARRIED OUT USING THESE
(73) NEC Corporation
(72) IWAI, Takanori
ZEMBUTSU, Hajime
(31) 2014128822
(32) 24.06.2014
(33) Japan

(51) H04W 24/08
(11) EP2219402
(21) EP10151050.1
(47) 08.01.2020
(22) 19.01.2010
(54) Call quality and coverage improvement in mobile wireless communication networks
(73) Ericsson Inc.
(72) del Rio Romero, Juan Carlos
Guerrero Garcia, Juan Jose
Ramiro Moreno, Juan
(31) 369936
(32) 12.02.2009
(33) United States of America

(51) H04W 24/08
H04W 84/04
H04W 84/10
(11) EP2230864
(21) EP09290198.2
(47) 08.01.2020
(22) 17.03.2009
(54) FAULT DETECTION AMONG BASE STATIONS
(73) Alcatel Lucent
(72) Portolan, Michele
Claussen, Holger
Ho, Lester Tse Wee
Goyal, Suresh
Samuel, Louis Gwyn

(51) H04W 24/10
(11) EP3372001
(21) EP16794069.1
(47) 08.01.2020
(87) IB2016056590
11.05.2017
(22) 02.11.2016
(54) ADAPTING D2D OPERATION ON NON-SERVING CARRIER FREQUENCY
(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) THANGARASA, Santhan
KAZMI, Muhammad
BELLESCHI, Marco
FOLKE, Mats
(31) 201562249767 P
(32) 02.11.2015
(33) United States of America

(51) H04W 24/10
H04W 72/04
(11) EP3264845
(21) EP17186039.8
(47) 08.01.2020
(22) 06.06.2008
(54) BASE STATION APPARATUS AND MOBILE STATION APPARATUS
(73) Sharp Kabushiki Kaisha
(72) AIBA, Tatsushi
YAMADA, Shohei
KATSURAGAWA, Hiroshi
(31) 2007152560
(32) 08.06.2007
(33) Japan

(51) H04W 24/10
H04W 72/08
(11) EP2749106
(21) EP12753357.8
(47) 08.01.2020
(87) US2012052104
28.02.2013
(22) 23.08.2012
(54) MULTI-POINT PUCCH ATTACHMENT
(73) Qualcomm Incorporated
(72) BARBIERI, Alan
JI, Tingfang
XU, Hao
CHEN, Wanshi
(31) 201161527551 P
201213592194
(32) 25.08.2011
22.08.2012
(33) United States of America
United States of America

(51) H04W 28/00
(11) EP2775753
(21) EP12854511.8
(47) 08.01.2020
(87) CN2012085216
06.06.2013
(22) 24.11.2012
(54) INTERFERENCE MANAGEMENT METHOD AND APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) YU, Yinghui
XIONG, Xin
ZHOU, Weihua
(31) 201110387429
(32) 29.11.2011
(33) China

(51) H04W 28/02
H04L 12/801
H04L 12/833
H04L 12/851
(11) EP3120605
(21) EP14710320.4
(47) 08.01.2020
(87) EP2014055320
24.09.2015
(22) 17.03.2014
(54) CONGESTION LEVEL CONFIGURATION FOR RADIO ACCESS NETWORK CONGESTION HANDLING
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) MIKLÓS, György

(51) H04W 28/02
H04W 28/10
H04W 84/06
H04W 92/02
H04L 12/911
H04L 12/927
H04W 76/12
(11) EP2596678

(21) EP11737927.1
(47) 08.01.2020
(87) EP2011062550
26.01.2012
(22) 21.07.2011
(54) SYSTEM FOR MANAGING THE ALLOCATION OF THE RESOURCES OF A SATELLITE LINK IN A TELECOMMUNICATION NETWORK
(73) THALES
(72) BILLONNEAU, Dominique
SUARD, Nicolas
GAULT, Jean-François
GOUDAL, François
(31) 1003075
(32) 21.07.2010
(33) France

(51) H04W 28/02
H04W 28/12
H04W 28/16
H04L 12/801
H04L 12/813
H04L 12/859
(11) EP2918096
(21) EP12887981.4
(47) 08.01.2020
(87) CN2012084306
15.05.2014
(22) 08.11.2012
(54) PCRF APPARATUS AND TRAFFIC HANDLING METHOD FOR A PCRF
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ZHANG, Shunliang

(51) H04W 28/02
H04W 48/08
H04W 88/08
(11) EP3376795
(21) EP18152260.8
(47) 08.01.2020
(22) 14.11.2013
(54) CONGESTION CONTROL METHOD, APPARATUS, AND SYSTEM
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) WANG, Shuo
YU, Yijun

(51) H04W 28/16
H04W 36/00
H04W 72/08
H04W 88/04
H04W 76/14
(11) EP3462774
(21) EP16905090.3
(47) 08.01.2020
(87) CN2016086207
21.12.2017
(22) 17.06.2016
(54) METHOD FOR ACQUIRING WIRELESS CAPABILITY INFORMATION ABOUT TERMINAL, CORE NETWORK ENTITY, BASE STATION AND TERMINAL
(73) Huawei Technologies Co., Ltd.
(72) JIN, Hui
OUYANG, Guowei
DUAN, Xiaoyan

(51) H04W 36/00
(11) EP3340682
(21) EP15904506.1
(47) 08.01.2020
(87) CN2015090824
30.03.2017
(22) 25.09.2015
(54) CELL HANDOVER METHOD, APPARATUS AND TERMINAL
(73) Huawei Technologies Co., Ltd.
(72) TANG, Xun
QUAN, Wei
ZHANG, Jian
MIAO, Jinhua
GAO, Yongqiang

(51) H04W 36/00
H04W 36/18
(11) EP2777326
(21) EP11875507.3
(47) 08.01.2020
(87) SE2011051344
16.05.2013
(22) 10.11.2011
(54) METHODS AND ARRANGEMENT FOR HANDLING A DATA TRANSFERRAL IN A CELLULAR NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) MÜLLER, Walter
XUAN, Zhiyi

(51) H04W 36/00
H04W 48/18
(11) EP3407642
(21) EP18169253.4
(47) 08.01.2020
(22) 10.06.2010
(54) METHOD, APPARATUS, AND SYSTEM FOR SELECTING PUBLIC LAND MOBILE NETWORK
(73) Huawei Technologies Co., Ltd.
(72) YU, Yijun
LU, Feng

(51) H04W 36/00
H04W 88/02
H04W 4/00
(11) EP2243305
(21) EP08712815.3
(47) 08.01.2020
(87) SE2008050185
20.08.2009
(22) 15.02.2008
(54) A CONTROL NODE FOR A MOBILE COMMUNICATION NETWORK AND A METHOD FOR ALLOCATING RESOURCES IN SAID NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) SVEDVALL, Sofia
WALLDEEN, Thomas
EHRENHOLM, Bo
GUSTAVSSON, Pär

(51) H04W 36/00
H04W 92/20
(11) EP3533259
(21) EP18786269.3
(47) 08.01.2020
(87) EP2018077572
18.04.2019
(22) 10.10.2018
(54) REPORT NSA/SA NR INDICATOR
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) PAKNIAT, Parisa
DA SILVA, Icaro L. J.
MILDH, Gunnar
(31) 201762570341 P
(32) 10.10.2017
(33) United States of America

(51) H04W 36/14
H04W 52/02
H04W 88/06
H04W 76/28
(11) EP2667679
(21) EP13181054.1
(47) 08.01.2020
(22) 10.11.2009
(54) Method and apparatus of transition to a battery efficient state or configuration by indicating end of data transmission in long term evolution
(73) BlackBerry Limited
(72) Suzuki, Takashi
Burbridge, Richard Charles
Cal, Zhijun
Young, Gordon
Arzelier, Claude Jean-Frederic
(31) 113094 P
(32) 10.11.2008
(33) United States of America

(51) H04W 36/20
H04W 84/00
(11) EP3152958
(21) EP15726979.6
(47) 08.01.2020
(87) EP2015062597
10.12.2015
(22) 05.06.2015
(54) PROGRESSIVE TOGGLING OF RADIO FREQUENCY BAND IN A RELAY NODE
(73) Airbus DS SAS
(72) MARQUE-PUCHEU, Gérard
DELMAS, Serge
HELIAS-FORET, Christine
GRUET, Christophe
(31) 1401373
(32) 06.06.2014
(33) France

(51) H04W 36/38
H04W 76/22
(11) EP2871887
(21) EP13812564.6
(47) 08.01.2020
(87) CN2013070771
09.01.2014
(22) 21.01.2013
(54) NETWORK SWITCHING METHOD, SYSTEM, AND NETWORK SIDE DEVICE
(73) Huawei Technologies Co., Ltd.
(72) ZHANG, Shunqing
CHEN, Yan
WU, Ye
(31) 201210229729
(32) 04.07.2012
(33) China

(51) H04W 40/02
H04W 40/04
H04W 40/10
H04L 12/703
H04L 12/707
H04L 12/729
H04L 12/753
(11) EP3216178
(21) EP15795282.1

(47) 08.01.2020
(87) US2015058751
12.05.2016
(22) 03.11.2015
(54) FAST NETWORK FORMATION USING A BATTERY-BACKED NETWORK BACKBONE
(73) Cisco Technology, Inc.
(72) HUI, Jonathan, W.
HONG, Wei
VASSEUR, Jean-philippe
(31) 201462076799 P
201414569060
(32) 07.11.2014
12.12.2014
(33) United States of America
United States of America

(51) H04W 40/04
H04W 40/10
H04L 12/715
H04L 12/761
(11) EP3409047
(21) EP17713474.9
(47) 08.01.2020
(87) JP2017007264
21.09.2017
(22) 21.02.2017
(54) RESOURCE AWARE MULTI-TASK ROUTING IN MULTI-HOP HETEROGENEOUS WIRELESS NETWORKS
(73) Mitsubishi Electric Corporation
(72) GUO, Jianlin
ORLIK, Philip
(31) 201615069250
(32) 14.03.2016
(33) United States of America

(51) H04W 40/12
(11) EP2324662
(21) EP09790720.8
(47) 08.01.2020
(87) US2009051384
28.01.2010
(22) 22.07.2009
(54) METHOD AND APPARATUS FOR SUPPORTING MULTI-HOP COMMUNICATIONS IN A PEER TO PEER COMMUNICATION SYSTEM
(73) QUALCOMM Incorporated
(72) LAROIA, Rajiv
RICHARDSON, Thomas, J.
LI, Junyi
WU, Xinzhou
TAVILDAR, Saurabh, R.
PARK, Vincent, D.
(31) 178231
(32) 23.07.2008
(33) United States of America

(51) H04W 48/08
H04W 4/02
(11) EP3442274
(21) EP18197793.5
(47) 08.01.2020
(22) 15.01.2013
(54) PROVIDING HOTSPOTS TO USER DEVICES WITHIN SERVER-CONTROLLED ZONES
(73) Google LLC
(72) KEMP, Aaron David
TULCHINSKY, Ilia
WAHBE, Andrew
ATTAR, Mohammad Hossain Sheikh
COSTANZO, Jerred James
(31) 201261586820 P
201213369182
(32) 15.01.2012
08.02.2012
(33) United States of America
United States of America

(51) H04W 48/08
H04W 48/12
H04W 48/16
H04W 48/18
H04W 84/04
H04W 4/00
(11) EP3025550
(21) EP13890000.6
(47) 08.01.2020
(87) CN2013079962
29.01.2015
(22) 24.07.2013
(54) METHOD AND DEVICE FOR CELL SELECTION IN SHARED RADIO ACCESS NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) FAN, Rui
LI, Gen

(51) H04W 48/10
(11) EP3510813
(21) EP18714209.6
(47) 08.01.2020
(87) EP2018057475
27.09.2018
(22) 23.03.2018
(54) VALIDITY TIME OF SYSTEM INFORMATION IN A WIRELESS COMMUNICATION SYSTEM
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LINDHEIMER, Christofer
FRENGER, Pål
(31) 201762476461 P
(32) 24.03.2017
(33) United States of America

(51) H04W 48/10
H04W 48/12
H04W 48/16
H04W 48/18
H04W 48/20
(11) EP2292050
(21) EP09723465.2
(47) 08.01.2020
(87) US2009037876
24.09.2009
(22) 20.03.2009
(54) CELL SELECTION AND RESELECTION IN DEPLOYMENTS WITH HOME NODEBS
(73) QUALCOMM Incorporated
(72) DESHPANDE, Manoj, M.
NANDA, Sanjiv
CHEN, Jen, Mei
PICA, Francesco
(31) 38666 P
400669
(32) 21.03.2008
09.03.2009
(33) United States of America
United States of America

(51) H04W 48/12
H04W 4/70
(11) EP3354074
(21) EP16775351.6
(47) 08.01.2020
(87) SE2016050898
30.03.2017
(22) 23.09.2016
(54) A RADIO NETWORK NODE, A WIRELESS DEVICE AND METHODS THEREIN
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) HÖGLUND, Andreas
OHLSSON, Oscar
SUSITAIVAL, Riikka
(31) 201562232524 P
(32) 25.09.2015
(33) United States of America

(51) H04W 48/16
H04W 4/80
(11) EP3169111
(21) EP16785769.7
(47) 08.01.2020
(87) CN2016077014
03.11.2016
(22) 22.03.2016
(54) NETWORK ACCESS METHOD AND MOBILE COMMUNICATIONS TERMINAL
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) LIU, Hai
(31) 201510220531
(32) 30.04.2015
(33) China

(51) H04W 48/16
H04W 72/04
H04W 4/70
(11) EP3219119
(21) EP15801940.6
(47) 08.01.2020
(87) IB2015058716
19.05.2016
(22) 11.11.2015
(54) OPTIMIZED ACCESS REQUEST MESSAGE
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ERIKSSON LÖWENMARK, Stefan
SUNDBERG, Mårten
SCHLIWA-BERTLING, Paul
JOHANSSON, Nicklas
DIACHINA, John Walter
(31) 201462078316 P
201514937492
(32) 11.11.2014
10.11.2015
(33) United States of America
United States of America

(51) H04W 52/00
(11) EP3206441
(21) EP14904780.5
(47) 08.01.2020
(87) CN2014090123
06.05.2016
(22) 31.10.2014

(54) POWER ESTIMATION METHOD AND APPARATUS
(73) Huawei Technologies Co., Ltd.
Fraunhofer Gesellschaft zur Förderung der angewandten Forschung E.V.
(72) ZHUANG, Hongcheng
BELETCHI, Andrian
ZHANG, Jietao
(51) H04W 52/02
G16H 40/63
G06F 1/32
(11) EP3399525
(21) EP18169708.7
(47) 08.01.2020
(22) 27.04.2018
(54) WIRELESS MEDICAL TOOL WITH ACCELEROMETER FOR SELECTIVE POWER SAVING
(73) Biosense Webster (Israel) Ltd.
(72) GLINER, Vadim
EPHRATH, Yaron
GOVARI, Assaf
ALTMANN, Andres Claudio
(31) 201715581230
(32) 28.04.2017
(33) United States of America
(51) H04W 52/02
H04W 52/14
H04W 52/28
(11) EP3062565
(21) EP14800791.7
(47) 08.01.2020
(87) CN2014078838
27.11.2014
(22) 29.05.2014
(54) POWER CONTROL METHOD AND DEVICE, AND BASE STATION
(73) ZTE Corporation
(72) WANG, Meiying
LIU, Tao
LIU, Can
(31) 201310495821
(32) 21.10.2013
(33) China
(51) H04W 52/02
H04W 68/00
H04W 72/04
H04W 4/70
(11) EP3202189
(21) EP15778505.6
(47) 08.01.2020
(87) US2015052594
07.04.2016
(22) 28.09.2015
(54) SERVICE CAPABILITY SERVER/EPC COORDINATION FOR POWER SAVINGS MODE AND PAGING
(73) Convida Wireless, LLC
(72) PALANISAMY, Suresh
STARSINIC, Michael, F.
LY, Quang
RAMAN, Jasvir, Singh
APPAJIGOWDA, Darshan
VIJAY, Nithya
(31) 201462056924 P
(32) 29.09.2014
(33) United States of America
(51) H04W 52/02
H04W 72/04
H04W 76/28
(11) EP3257321
(21) EP15709504.3
(47) 08.01.2020
(87) EP2015055289
22.09.2016
(22) 13.03.2015
(54) APPARATUS AND METHODS IN A WIRELESS COMMUNICATION NETWORK FOR DISCONTINUOUS RECEPTION AND DATA RECEPTION
(73) Huawei Technologies Co., Ltd.
(72) KELA, Petteri
COSTA, Mario
LUNDQVIST, Henrik
GELABERT, Xavier
(51) H04W 52/04
H04W 52/22
H04W 52/40
H04W 52/54
(11) EP3222091
(21) EP14906478.4
(47) 08.01.2020
(87) CN2014091615
26.05.2016
(22) 19.11.2014
(54) METHOD FOR OPTIMIZATION OF TRANSMIT POWER CONTROL
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) ZHANG, Zhang
CHRISTOFFERSSON, Jan
(51) H04W 52/16
H04W 52/44
(11) EP3107339
(21) EP16178522.5
(47) 08.01.2020
(22) 04.11.2009
(54) METHOD AND APPARATUS FOR DETERMINING TRANSMIT POWER
(73) Huawei Technologies Co., Ltd.
(72) WANG, Weixin
MA, Xueli
WANG, Zongjie
(31) 200810172290
(32) 04.11.2008
(33) China
(51) H04W 52/20
H04W 52/26
(11) EP3217728
(21) EP15863463.4
(47) 08.01.2020
(87) CN2015093092
02.06.2016
(22) 28.10.2015
(54) METHOD AND APPARATUS FOR DETERMINING TRANSMISSION POWER
(73) Huawei Technologies Co., Ltd.
(72) LIU, Weiqiang
WANG, Tongbo
(31) 201410714139
(32) 27.11.2014
(33) China
(51) H04W 56/00
H04W 74/08
(11) EP3151625
(21) EP14896496.8
(47) 08.01.2020
(87) CN2014081325
07.01.2016
(22) 01.07.2014
(54) RANDOM ACCESS METHOD AND APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) XIONG, Xin
(51) H04W 56/00
H04W 76/14
(11) EP3020236
(21) EP14755284.8
(47) 08.01.2020
(87) US2014050391
12.02.2015
(22) 08.08.2014
(54) METHOD AND SYSTEM FOR INITIAL SYNCHRONIZATION AND COLLISION AVOIDANCE IN DEVICE TO DEVICE COMMUNICATIONS WITHOUT NETWORK COVERAGE
(73) BlackBerry Limited
(72) NGUYEN, Nam
BLANKENSHIP, Yufei Wu
DHAKAL, Sagar
(31) 201313962708
(32) 08.08.2013
(33) United States of America
(51) H04W 64/00
G01S 5/02
(11) EP3030020
(21) EP15196447.5
(47) 08.01.2020
(22) 26.11.2015
(54) PROVIDING STREAMING GEOLOCATION INFOMATION
(73) Viavi Solutions UK Limited
(72) WYLES, David Christopher
HOLDEN, John Joseph
RAZZETTI, David Anthony
SMITH, Gareth James
KENINGTON, Peter
(31) 201462085913 P
(32) 01.12.2014
(33) United States of America
(51) H04W 72/02
H04W 72/04
H04W 92/20
(11) EP2611246
(21) EP11789178.8
(47) 08.01.2020
(87) CN2011074885
08.12.2011
(22) 30.05.2011
(54) METHOD AND DEVICE FOR ALLOCATING BACKHAUL LINK RESOURCE
(73) Huawei Technologies Co., Ltd.
(72) WAN, Lei
MA, Sha
YU, Yinghui
BAI, Wei
(31) 201010259730
(32) 23.08.2010
(33) China
(51) H04W 72/04
(11) EP3399824
(21) EP16883327.5
(47) 08.01.2020

(87) CN2016104793
13.07.2017
(22) 04.11.2016
(54) DATA SCHEDULING METHOD, BASE STATION AND SYSTEM
(73) Huawei Technologies Co., Ltd.
(72) LI, Chenwan
YU, Yinghui
HUANG, Zhenglei
WANG, Yan
SHAN, Baokun
(31) PCT/CN2016/070440
(32) 07.01.2016
(33) World Intellectual Property Office (WIPO)

(51) H04W 72/04
(11) EP3216284
(21) EP14800146.4
(47) 08.01.2020
(87) IB2014065774
12.05.2016
(22) 03.11.2014
(54) MANAGEMENT OF PERIODIC RESOURCES IN A COMMUNICATION NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) PAREDES CABRERA, Ricardo
HU, Bing Z.
MESFIN, Thomas
HUBBARD, Alex
GRAVELLE, Daniel

(51) H04W 72/04
H04W 72/12
H04W 88/04
(11) EP3295740
(21) EP15753429.8
(47) 08.01.2020
(87) GB2015052356
17.11.2016
(22) 14.08.2015
(54) TRANSMITTING A SCHEDULING REQUEST FOR A DEVICE-TO-DEVICE TRANSMISSION
(73) BlackBerry Limited
(72) VUTUKURI, Eswar
FAURIE, Rene
SUZUKI, Takashi
(31) 201514712785
(32) 14.05.2015
(33) United States of America

(51) H04W 72/08
H04W 84/12
(11) EP2298019
(21) EP08755880.5
(47) 08.01.2020
(87) US2008064128
19.11.2009
(22) 19.05.2008
(54) DYNAMIC INTERFERENCE MANAGEMENT FOR WIRELESS NETWORKS
(73) QUALCOMM Incorporated
(72) ABRAHAM, Santosh
STAMOULIS, Anastasios
SAMPATH, Ashwin
(31) 122480
(32) 16.05.2008
(33) United States of America

(51) H04W 72/12
(11) EP3066882
(21) EP14776929.3
(47) 08.01.2020
(87) US2014054005
14.05.2015
(22) 04.09.2014
(54) METHOD AND APPARATUS FOR ENABLING SERVING CELL INTERFERENCE SUPPRESSION USING SIGNALING
(73) Qualcomm Incorporated
(72) YOO, Taesang
LUO, Tao
WEI, Yongbin
(31) 201361902077 P
201414476476
(32) 08.11.2013
03.09.2014
(33) United States of America
United States of America

(51) H04W 72/12
H04W 74/08
H04B 17/318
(11) EP3105987
(21) EP14709988.1
(47) 08.01.2020
(87) FI2014050110
20.08.2015
(22) 13.02.2014
(54) OVERLAPPING TRANSMISSION OF FRAMES IN A WIRELESS NETWORK IF SIGNAL STRENGTH IS BELOW A THRESHOLD
(73) Nokia Technologies Oy
(72) JÄNIS, Pekka
KNECKT, Jarkko Lauri Sakari
ALANEN, Olli

(51) H04W 72/12
H04W 88/06
(11) EP2620029
(21) EP11761467.7
(47) 08.01.2020
(87) US2011052567
29.03.2012
(22) 21.09.2011
(54) MULTI-RADIO COEXISTENCE
(73) Qualcomm Incorporated
(72) KADOUS, Tamer Adel
DAYAL, Pranav
MANTRAVADI, Ashok
(31) 201113237107
389643 P
385366 P
(32) 20.09.2011
04.10.2010
22.09.2010
(33) United States of America
United States of America
United States of America

(51) H04W 74/08
(11) EP3369282
(21) EP16770851.0
(47) 08.01.2020
(87) US2016051458
04.05.2017
(22) 13.09.2016
(54) DYNAMIC FORBIDDANCE OF WIRELESS TRANSMISSIONS BY OVERLAPPING BASIC SERVICE SETS
(73) QUALCOMM Incorporated
(72) ZHOU, Yan
BARRIAC, Gwendolyn Denise
CHERIAN, George
MERLIN, Simone
ASTERJADHI, Alfred
(31) 201562247711 P
201615263109
(32) 28.10.2015
12.09.2016
(33) United States of America
United States of America

(51) H04W 74/08
(11) EP3399828
(21) EP18170110.3
(47) 08.01.2020
(22) 30.04.2018
(54) DEVICE AND METHOD OF HANDLING A CHANNEL ACCESS PROCEDURE
(73) HTC Corporation
(72) WU, Chih-Hsiang
(31) 201762492928 P
(32) 01.05.2017
(33) United States of America

(51) H04W 74/08
H04W 84/12
(11) EP3222107
(21) EP15861642.5
(47) 08.01.2020
(87) US2015058422
26.05.2016
(22) 30.10.2015
(54) CHANNEL ACCESS MECHANISM
(73) Newracom, Inc.
(72) KWON, Young Hoon
(31) 201462083138 P
201562157357 P
(32) 21.11.2014
05.05.2015
(33) United States of America
United States of America

(51) H05B 6/06
H05B 6/10
H05B 6/14
(11) EP2890217
(21) EP12883809.1
(47) 08.01.2020
(87) JP2012071565
06.03.2014
(22) 27.08.2012
(54) CONTROL DEVICE FOR INDUCTION HEATING UNITS
(73) TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION
(72) DOIZAKI, Tetsuji

(51) H05B 33/08
(11) EP3206462
(21) EP17151565.3
(47) 08.01.2020
(22) 23.06.2009
(54) CONTROL UNIT FOR AN LED ASSEMBLY AND LIGHTING SYSTEM
(73) eldoLAB Holding B.V.
(72) WELTEN, Petrus Johannes Maria
(31) 75212 P

175242 P
(32) 24.06.2008
04.05.2009
(33) United States of America
United States of America

(51) H05B 33/08
(11) EP3406109
(21) EP17700225.0
(47) 08.01.2020
(87) EP2017050405
27.07.2017
(22) 10.01.2017
(54) A DRIVER AND METHOD FOR DRIVING AT LEAST TWO SETS OF SOLID STATE LIGHTING ELEMENTS
(73) Signify Holding B.V.
(72) DELOS AYLLON, Julia
(31) 16152223
(32) 21.01.2016
(33) European Patent Office (EPO)

(51) H05B 33/08
(11) EP3393209
(21) EP18168017.4
(47) 08.01.2020
(22) 18.04.2018
(54) A SYSTEM FOR REGULATING THE MINIMUM OUTPUT CURRENT OF AN LED DIMMING POWER SUPPLY
(73) Self Electronics Co., Ltd.
SELF ELECTRONICS Germany GmbH
Lin, Wanjiong
(72) ZHOU, Xiaoyong
YOU, Xiaobo
ZOU, Xuejun
(31) 201710256036
(32) 19.04.2017
(33) China

(51) H05B 33/08
H05B 37/02
(11) EP3216317
(21) EP15790913.6
(47) 08.01.2020
(87) EP2015075496
12.05.2016
(22) 03.11.2015
(54) LED LIGHTING SYSTEM
(73) Signify Holding B.V.
(72) ZIJLMAN, Theo Gerrit
TER WEEME, Berend Jan Willem
SHI, Liang
VROEGOP, Aart Jan
DE JONG, Lambertus Adrianus Marinus
JIANG, Jian
(31) PCT/CN2014/090239
14195553
(32) 04.11.2014
01.12.2014
(33) World Intellectual Property Office (WIPO)
European Patent Office (EPO)

(51) H05B 33/08
H05B 37/02
(11) EP3281495
(21) EP16716353.4
(47) 08.01.2020
(87) US2016024426
13.10.2016
(22) 28.03.2016
(54) DAYLIGHTING FOR DIFFERENT GROUPS OF LIGHTING FIXTURES
(73) IDEAL INDUSTRIES LIGHTING LLC
(72) POPE, Daniel J.
KARPICHEV, Boris
(31) 201514681846
(32) 08.04.2015
(33) United States of America

(51) H05B 33/08
H05B 37/02
F21V 23/00
(11) EP2842394
(21) EP12719651.7
(47) 08.01.2020
(87) EP2012057857
31.10.2013
(22) 27.04.2012
(54) LUMINAIRE CONTROLLERS
(73) Schreder
(72) SCHRÖDER, Helmut
BRAND, Daniel

(51) H05B 37/02
(11) EP3461235
(21) EP18205616.8
(47) 08.01.2020
(22) 17.03.2015
(54) LED ILLUMINATION DEVICE
(73) Citizen Watch Co., Ltd.
Citizen Electronics Co., Ltd.
(72) AKIYAMA, Takashi
OCHIAI, Yuki
(31) 2014053284
(32) 17.03.2014
(33) Japan

(51) H05B 37/02
(11) EP2904879
(21) EP13814609.7
(47) 08.01.2020
(87) IB2013058844
10.04.2014
(22) 25.09.2013
(54) A METHOD OF SELF-CALIBRATING A LIGHTING DEVICE AND A LIGHTING DEVICE PERFORMING THE METHOD
(73) Signify Holding B.V.
(72) MONACI, Gianluca
BELIK, Oleg
GRITTI, Tommaso
KUIJTEN, Petrus Johannes Arnoldus Hubertus
(31) 201261710236 P
(32) 05.10.2012
(33) United States of America

(51) H05B 37/02
H04W 84/18
H04W 4/00
(11) EP3158821
(21) EP15733058.0
(47) 08.01.2020
(87) US2015036521
23.12.2015
(22) 18.06.2015
(54) INTERACTIVE LIGHT SENSOR NETWORKS
(73) Verizon Patent and Licensing Inc.
(72) Barnard, Chris
Ryhorchuk, Kent W.
(31) 201462013571 P
(32) 18.06.2014
(33) United States of America

(51) H05H 1/34
(11) EP3422822
(21) EP18175814.5
(47) 08.01.2020
(22) 04.06.2018
(54) LINK DEVICE OF A PLASMA TORCH
(73) TEC.MO S.R.L.
(72) BASSI, Giorgio
(31) 201700071187
(32) 26.06.2017
(33) Italy

(51) H05K 1/02
H05K 1/18
H05K 3/12
H05K 3/14
H05K 3/28
B60Q 3/43
B60Q 3/47
B60Q 3/74
(11) EP3169144
(21) EP16197570.1
(47) 08.01.2020
(22) 07.11.2016
(54) LIGHTING PANELS
(73) The Boeing Company
(72) DUCE, Jeff
SCHALLA, James
HOUSE, Ashley
TURNER, Jason
(31) 201514940241
(32) 13.11.2015
(33) United States of America

(51) H05K 5/02
H05K 7/14
(11) EP3175684
(21) EP15736195.7
(47) 08.01.2020
(87) EP2015001386
04.02.2016
(22) 08.07.2015
(54) ELECTRIC DEVICE, IN PARTICULAR CONVERTER
(73) Sew-Eurodrive GmbH & Co. KG
(72) OTT, Jürgen
MOMANN, Dirk
(31) 102014011083
(32) 30.07.2014
(33) Germany

(51) H05K 5/06
(11) EP2061293
(21) EP08168962.2
(47) 08.01.2020
(22) 12.11.2008
(54) Electrical installation socket and use thereof
(73) Günther Spelsberg GmbH & Co. KG
(72) Werkshagen, Bernd
Spelsberg, Dipl.-Ing. Holger
Deschouffour, Michael
Wasserfuhr, Dipl.-Ing. Friedel
Niclas, Peter
Scheib, Dipl.-Ing. Andreas
Quardt, Dipl.-Ing. Dirk
(31) 102007054471
(32) 13.11.2007
(33) Germany

(51) H05K 5/06
H05K 7/20
(11) EP2364074
(21) EP11155548.8
(47) 08.01.2020
(22) 23.02.2011
(54) Housing of waterproof electronic device
(73) Fuji Electric Co., Ltd.
(72) Yoshida, Toshihiro
(31) 2010049210
(32) 05.03.2010
(33) Japan

---

(51) H05K 7/14
(11) EP3094166
(21) EP15196482.2
(47) 08.01.2020
(22) 26.11.2015
(54) SLIDE RAIL ASSEMBLY
(73) King Slide Works Co., Ltd.
King Slide Technology Co., Ltd.
(72) CHEN, Ken-Ching
YANG, Shun-Ho
HUANG, Chien-Li
WANG, Chun-Chiang
(31) 104115696
(32) 15.05.2015
(33) Taiwan, Province of China

---

(51) H05K 7/20
(11) EP3422834
(21) EP18180874.2
(47) 08.01.2020
(22) 29.06.2018
(54) SYSTEM FOR COOLING ONE OR MORE COMPUTER SERVERS BY COLD PLATES AND HEAT PRODUCTION USING THE HEAT RECOVERED FROM THE SERVER(S)
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(72) GRUSS, Jean-Antoine
LEVEQUE, Marie
(31) 1756167
(32) 30.06.2017
(33) France

---

(51) H05K 13/00
H05K 13/04
(11) EP3175689
(21) EP15725448.3
(47) 08.01.2020
(87) US2015028943
04.02.2016
(22) 01.05.2015
(54) EXTERNAL INVERTER SYSTEM FOR VARIABLE SUBSTRATE THICKNESS AND METHOD FOR ROTATING A SUBSTRATE
(73) Illinois Tool Works Inc.
(72) DOYLE, Dennis G.
(31) 201414448834
(32) 31.07.2014
(33) United States of America

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 79/00
A01D 78/10
(11) EP3384756
(21) EP17164611.0
(22) 03.04.2017
(54) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP ON AN AGRICULTURAL AREA AND AGRICULTURAL MACHINE
(73) Kverneland Group Kerteminde AS
(72) Pauli, Marco
Hagemann, Sebastian
Leute, Manuel
(74) ir. W.J.J.M. Kempes
(47) 25.09.2019

(51) A01C 15/00
B60J 7/12
(11) EP3078250
(21) EP16401023.3
(22) 31.03.2016
(54) TARPAULIN ARRANGEMENT FOR A STORAGE TANK
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG
(72) Kleine-Hartlage, Hubertus
Walter, Achim
Schiemenz, Friedhelm
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015105364
(32) 09.04.2015
(33) Germany
(47) 25.09.2019

(51) A01C 21/00
(11) EP2910100
(21) EP15155738.6
(22) 19.02.2015
(54) DELIVERY SYSTEM FOR MULTILAYER FERTILIZER APPLICATION
(73) Hugo Vogelsang Maschinenbau GmbH
(72) Overmöhle, Gerd-Felix
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 202014001511 U
(32) 20.02.2014
(33) Germany
(47) 09.10.2019

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

(51) A01G 7/02
B01D 53/46
F01N 3/02
F01N 5/00
F23G 5/00
F23G 5/44
F23J 15/00
(11) EP2806728
(21) EP13740562.7
(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
(74) ir. W.J.J.M. Kempes
(31) 201261591437 P
(32) 27.01.2012
(33) United States of America
(47) 11.09.2019

(51) A01K 1/00
G05D 23/24
F24F 11/30
(11) EP3262349
(21) EP16708321.1
(22) 23.02.2016
(54) SENSING DEVICE FOR CLIMATE CONTROL SYSTEM
(73) The GSI Group, LLC
(72) BOUCHARD, Marco
GAUDREAU, Yvon
BRODEUR, Jonathan
LABERGE, Benoit R.
(74) ir. H.A. Witmans c.s.
(31) 201562121238 P
(32) 26.02.2015
(33) United States of America
(47) 16.10.2019

(51) A01K 1/015
A01K 1/035
(11) EP3148323
(21) EP15733786.6
(22) 02.06.2015
(54) SYSTEM FOR MONITORING ANIMALS IN A LIVESTOCK BUILDING COMPRISING AT LEAST A COMFORT MATTRESS
(73) Bioret Agri-Logette Confort
(72) BIORET, Jean-Vincent
(74) J.M.H. Duyver lic.
(31) 1454976
1458052
1459506
(32) 02.06.2014
28.08.2014
03.10.2014
(33) France
France
France
(47) 14.08.2019

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

(51) A01M 7/00
A01M 21/00
A01M 21/02
A01M 21/04
(11) EP3302052
(21) EP16724385.6
(22) 19.05.2016
(54) WEED CONTROLLING DEVICE
(73) Robert Bosch GmbH
(72) ALBERT, Amos
MICHAELS, Andreas
(74) ir. H.A. Witmans c.s.
(31) 102015209879
(32) 29.05.2015
(33) Germany
(47) 16.10.2019

(51) A01M 29/00
A01M 29/10
F21V 9/14
(11) EP2592926
(21) EP11807116.6
(22) 13.07.2011
(54) METHOD AND SYSTEM FOR DETERRING ANIMALS
(73) Invisi Shield Limited
(72) BROWN, Crawford Renfrew
(74) ir. W.J.J.M. Kempes
(31) 58679710
(32) 14.07.2010
(33) New Zealand
(47) 04.09.2019

(51) A01N 1/02
B01L 3/00
G01N 1/42
G06K 7/00
G06K 19/04
G06K 19/077
H01Q 1/22
A61K 35/12

(11) EP2873030
(21) EP13740336.6
(22) 11.07.2013
(54) RFID INTERROGATION PROBE
(73) Cryogatt Systems Limited
(72) MORRIS, Geoffrey
DOUGLAS, James
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201212415
(32) 11.07.2012
(33) United Kingdom
(47) 18.09.2019

(51) A01N 37/46
A01N 55/10
A01P 17/00
(11) EP3030077
(21) EP14750023.5
(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
(74) ir. J.C. Volmer c.s.
(31) 10700113
(32) 12.06.2013
(33) Portugal
(47) 11.09.2019

(51) A01N 37/46
A01N 63/02
C07K 16/14
C12N 15/82
(11) EP2992100
(21) EP14725022.9
(22) 29.04.2014
(54) AGROCHEMICAL COMPOSITIONS COMPRISING ANTIBODIES BINDING TO SPHINGOLIPIDS
(73) AgroSavfe nv
(72) VERHEESEN, Peter
DE JONGHE, Chris
VAN DAELE, Inge, Elodie
DE BOLLE, Miguel, Francesco, Coleta
VELOSO VIEIRA, João, Filipe
THEVISSEN, Karin
CAMMUE, Bruno
(74) dr. A. Ellens c.s.
(31) 201361817170 P
(32) 29.04.2013
(33) United States of America
(47) 04.09.2019

(51) A01N 63/00
C05F 11/08
C05G 3/00
C12R 1/07
C12R 1/125
(11) EP3240403
(21) EP15831258.7
(22) 28.12.2015
(54) MICROBIAL COMPOSITIONS AND METHODS OF USE FOR BENEFITING PLANT GROWTH AND TREATING PLANT DISEASE
(73) FMC Corporation
(72) TAGHAVI, Safiyh
VAN DER LELIE, Daniel
MCLEOD, Roderick
BROST, Kevin, Ronald John
KIBBEE, John, Edward
(74) ir. H.A. Witmans c.s.
(31) 201462097287 P
(32) 29.12.2014
(33) United States of America
(47) 13.11.2019

(51) A01N 63/04
C05F 11/08
C12N 1/14
C12R 1/80
(11) EP2920293
(21) EP13855020.7
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261727300 P
(32) 16.11.2012
(33) United States of America
(47) 11.09.2019

(51) A22C 7/00
A23J 3/00
A23L 13/60
A23L 17/00
A23L 19/00
A23P 10/00
A23P 20/00
A23P 30/25
(11) EP2996499
(21) EP14795316.0
(22) 06.05.2014
(54) SYSTEM AND METHODS FOR CONTINUOUS PRODUCTION OF PROTEINACEOUS PATTIES DRESSED WITH FOOD GRADE PARTICULATE
(73) Cardinal Meat Specialists Limited
(72) CATOR, Brent J. M.
POUND, John
FLORINDO, Frank
MORIYAMA, Kelly
DASILVA, Carlos
(74) ir. F.A. Geurts c.s.
(31) 201361820442 P
201414269570
(32) 07.05.2013
05.05.2014
(33) United States of America
United States of America
(47) 04.09.2019

(51) A22C 11/00
B26D 3/11
(11) EP3241443
(21) EP17168325.3
(22) 27.04.2017
(54) MACHINE AND METHOD FOR PRODUCING SAUSAGE SWIRLS
(73) TVI Entwicklung und Produktion GmbH
(72) Völkl, Thomas
Stacheder, Max
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102016107854
(32) 28.04.2016
(33) Germany
(47) 09.10.2019

(51) A22C 11/00
B65B 5/08
B65B 5/10
B65B 19/34
B65B 25/06
B65B 35/24
B65B 35/26
(11) EP3400805
(21) EP18153441.3
(22) 25.01.2018
(54) DEVICE AND METHOD FOR TRANSFERRING AND LAY SAUSAGES GROUPS IN A PACKAGE
(73) VEMAG Maschinenbau GmbH
(72) Greif, Norman
Scharninghausen, Gerd
Brecht, Oliver
Meininger, Thorsten
(74) ir. H.A. Witmans c.s.
(31) 102017101464
(32) 25.01.2017
(33) Germany
(47) 30.10.2019

(51) A22C 17/10
F16L 37/00
F16L 55/46
F17D 1/08
F17D 3/01
G01N 33/02
(11) EP3330589
(21) EP17205272.2
(22) 04.12.2017
(54) ROTARY INTRODUCER
(73) Sparc Systems Limited
(72) Buckley, David
Reynolds, David
Ives, Jonathan
(74) ir. W.J.J.M. Kempes
(31) 201620678
(32) 05.12.2016
(33) United Kingdom
(47) 04.09.2019

(51) A23D 7/005
A23D 9/007
(11) EP3364769
(21) EP16784853.0
(22) 18.10.2016
(54) COMPOSITION COMPRISING AN OIL PHASE
(73) Unilever N.V.
(72) FLENDRIG, Leonardus, Marcus
VAN DER HIJDEN, Hendrikus, Theodorus, W, M
ARNAUDOV, Luben, Nikolaev
(74) dr. C.W.R. Mulder c.s.
(31) 15190433
(32) 19.10.2015
(33) European Patent Office (EPO)

(47) 25.09.2019

(51) A23L 2/60
A23L 27/30
A23L 29/30
(11) EP2830442
(21) EP13769066.5
(22) 13.03.2013
(54) METHOD FOR ENHANCING REBAUDIOSIDE D SOLUBILITY IN WATER
(73) Pepsico, Inc.
(72) MUTILANGI, William
ZHANG, Naijie
(74) J.M.H. Duyver lic.
(31) 201213429473
(32) 26.03.2012
(33) United States of America
(47) 09.10.2019

(51) A23L 5/30
A23L 7/10
A23L 23/10
A23L 27/22
A23L 33/21
A23P 10/28
(11) EP3386317
(21) EP16788141.6
(22) 31.10.2016
(54) CULINARY SEASONING OR BOUILLON TABLET
(73) Société des Produits Nestlé S.A.
(72) HABEYCH NARVAEZ, Edwin Alberto
GALAFFU, Nicola
MICHEL, Martin
(74) ir. F.A. Geurts c.s.
(31) 15199093
(32) 10.12.2015
(33) European Patent Office (EPO)
(47) 09.10.2019

(51) A24B 3/04
A24B 3/12
A24B 5/08
A24B 5/14
A24B 5/16
(11) EP2230950
(21) EP08863262.5
(22) 21.10.2008
(54) A PROCESS FOR PRODUCING TOBACCO PRODUCTS
(73) British American Tobacco Australasia Limited
(72) HAMILTON, Graeme Charles
MORGAN, Timothy John
(74) dr. A. Krebs
(31) 2007906969
(32) 19.12.2007
(33) Australia
(47) 20.11.2019

(51) A24B 15/12
A24B 15/18
A24B 15/30
(11) EP2890254
(21) EP13767120.2
(22) 27.08.2013
(54) TOBACCO COMPOSITION COMPRISING TOBACCO FLOWER
(73) Philip Morris Products S.A.
(72) GOUINGUENE, Sandrine
BINDLER, Gregor
ZAIT, Dzeti
SANTOS, Edric
(74) dr. W.A.H.M. Van Borm
(31) 201261693906 P
12182086
(32) 28.08.2012
28.08.2012
(33) United States of America
European Patent Office (EPO)
(47) 30.10.2019

(51) A24C 5/34
A24D 3/02
G01B 11/10
(11) EP2983533
(21) EP14719655.4
(22) 08.04.2014
(54) METHOD AND DEVICE FOR DETECTION OF ROTATED SEGMENTS IN A MULTI-SEGMENT ROD TRANSFERRED IN A MACHINE USED IN TOBACCO INDUSTRY
(73) International Tobacco Machinery Poland Sp. z o.o.
(72) HOFFMANN, Hans-Reiner
(74) ir. W.J.J.M. Kempes
(31) 40346413
(32) 08.04.2013
(33) Poland
(47) 09.10.2019

(51) A24C 5/34
G01B 11/04
G01B 11/10
G01N 21/952
(11) EP3394562
(21) EP16825380.5
(22) 20.12.2016
(54) APPARATUS AND METHOD FOR ACQUIRING DATA RELATIVE TO A DIMENSION OF AN ELONGATED OBJECT
(73) Philip Morris Products S.A.
(72) CONSOLANTE, Antonio
(74) dr. W.A.H.M. Van Borm
(31) 15201699
(32) 21.12.2015
(33) European Patent Office (EPO)
(47) 30.10.2019

(51) A24D 3/02
(11) EP2797443
(21) EP12816308.6
(22) 27.12.2012
(54) APPARATUS AND METHOD FOR SUPPLYING A CONTINUOUS WEB OF CRIMPED SHEET MATERIAL
(73) Philip Morris Products S.A.
(72) FERRAZZIN, Diego
PAGNONI, Michele
SANNA, Daniele
CONTRI, Alessandra
(74) dr. W.A.H.M. Van Borm
(31) 11196246
(32) 30.12.2011
(33) European Patent Office (EPO)
(47) 30.10.2019

(51) A24D 3/02
(11) EP3397086
(21) EP16826073.5
(22) 28.12.2016
(54) FILTER MANUFACTURING APPARATUS
(73) Philip Morris Products S.A.
(72) CAPRINI, Gianni
(74) dr. W.A.H.M. Van Borm
(31) 15203076
(32) 30.12.2015
(33) European Patent Office (EPO)
(47) 30.10.2019

(51) A24D 3/04
A24F 47/00
(11) EP3308658
(21) EP17194414.3
(22) 05.12.2012
(54) AN AEROSOL GENERATING DEVICE WITH ADJUSTABLE AIRFLOW
(73) Philip Morris Products S.A.
(72) Dubief , Flavien
(74) dr. W.A.H.M. Van Borm
(31) 11192695
(32) 08.12.2011
(33) European Patent Office (EPO)
(47) 30.10.2019

(51) A24F 7/00
A24F 47/00
A61M 11/04
A61M 15/00
A61M 15/06
(11) EP3273812
(21) EP16711665.6
(22) 24.03.2016
(54) AEROSOL-GENERATING SYSTEM COMPRISING A RUPTURING PORTION
(73) Philip Morris Products S.A.
(72) HOGWOOD, Jonathan
JONES, Stuart, Michael, Ruan
STEPHENSON, John, Antony
EDINGTON, David
COULSON, Christopher
(74) dr. W.A.H.M. Van Borm
(31) 15161531
(32) 27.03.2015
(33) European Patent Office (EPO)
(47) 30.10.2019

(51) A24F 47/00
A61M 11/04
A61M 15/06
(11) EP3082484
(21) EP14809896.5
(22) 12.12.2014
(54) AEROSOL-GENERATING SYSTEM
(73) Philip Morris Products S.A.
(72) SILVESTRINI, Patrick Charles
ZINOVIK, Ihar
(74) dr. W.A.H.M. Van Borm
(31) 13198390
(32) 19.12.2013
(33) European Patent Office (EPO)
(47) 30.10.2019

(51) A41D 19/00
C12N 1/20
C12N 11/02
(11) EP3377621
(21) EP16798137.2
(22) 16.11.2016
(54) A WEARABLE ARTICLE AND A METHOD FOR PRODUCING A WEARABLE ARTICLE

(73) Century International Enterprises Limited
Cornelissen, Ruddi
Maas, Bernard
(72) CORNELISSEN, Ruddi
MAAS, Bernard
(74) drs. C.M.A. Quintelier
(31) 201520195
(32) 16.11.2015
(33) United Kingdom
(47) 25.09.2019

(51) A42B 3/06
A42B 3/08
(11) EP3481244
(21) EP18712859.0
(22) 19.03.2018
(54) CONNECTOR
(73) Mips AB
(72) POMERING, Amy Louise
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201705040
201720679
(32) 29.03.2017
12.12.2017
(33) United Kingdom
United Kingdom
(47) 11.09.2019

(51) A46B 5/00
A46B 7/04
A46B 7/08
A46B 9/02
A46B 9/06
A46B 13/00
A46B 13/02
A47L 11/40
E01H 1/05
(11) EP2296506
(21) EP09785991.2
(22) 07.07.2009
(54) BRUSH FOR A MACHINE FOR THE HORIZONTAL AND / OR VERTICAL CLEANING OF SURFACES THAT ARE SEPARATED BY GROOVES, JOINTS, UNEVENNESSES AND / OR PORES AND A MACHINE PROVIDED WITH SUCH BRUSHES
(73) TERRAZZA MC
(72) DELAERE, Marc
DE CLERCK, Christiaan
(74) J.M.H. Duyver lic.
(31) 200800376
(32) 07.07.2008
(33) Belgium
(47) 04.09.2019

(51) A46B 15/00
A61C 15/02
A61C 19/02
B65D 83/02
B65D 83/10
B65D 85/24
(11) EP2956383
(21) EP14752217.1
(22) 14.02.2014
(54) DENTAL PICK CONTAINER AND DISPENSER
(73) Heynow LLC
(72) STUDNEY, Mark A.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201313767374
(32) 14.02.2013
(33) United States of America
(47) 23.10.2019

(51) A46B 15/00
A61C 17/34
(11) EP2603164
(21) EP11758561.2
(22) 11.08.2011
(54) FRACTURE RESISTANT BRUSH HEAD
(73) Braun GmbH
(72) FRITSCH, Thomas
STOERKEL,Ulrich
(31) 855960
(32) 13.08.2010
(33) United States of America
(47) 25.09.2019

(51) A47B 77/10
A47B 97/00
E06C 1/00
(11) EP3122954
(21) EP15769271.6
(22) 13.02.2015
(54) A STAIR
(73) Sew-n-Sew Pty Ltd
(72) ROONEY, Peter
ROONEY, Karen
(74) ir. W.J.J.M. Kempes
(31) 2014901058
(32) 25.03.2014
(33) Australia
(47) 04.09.2019

(51) A47C 1/126
E04H 3/12
(11) EP2358237
(21) EP09827089.5
(22) 20.11.2009
(54) REMOVABLE SEATS SYSTEM
(73) Gestion Laforest Inc.
(72) LAFOREST, Pierre
(74) ir. W.J.J.M. Kempes
(31) 199969 P
(32) 21.11.2008
(33) United States of America
(47) 25.09.2019

(51) A47C 3/04
A47C 3/18
(11) EP3337353
(21) EP16734720.2
(22) 06.07.2016
(54) CHAIR
(73) Störiko product design GmbH
(72) STÖRIKO, Andreas
(74) ir. W.J.J.M. Kempes
(31) 102015112618
(32) 31.07.2015
(33) Germany
(47) 11.09.2019

(51) A47C 7/50
(11) EP3360443
(21) EP18155160.7
(22) 05.02.2018
(54) HEIGHT ADJUSTABLE FOOT REST
(73) ASS-Einrichtungssysteme GmbH
(72) Turowski, Kai
Kühnau, Lutz
(74) dr. W.A.H.M. Van Borm
(31) 102017102725
(32) 10.02.2017
(33) Germany
(47) 18.09.2019

(51) A47F 5/13
(11) EP2934240
(21) EP14806205.2
(22) 20.11.2014
(54) SHELF SYSTEM
(73) Wanzl Metallwarenfabrik GmbH
(72) STAIB, Ralph
(74) mr. ir. J. van Breda c.s.
(31) 102013114065
(32) 16.12.2013
(33) Germany
(47) 06.11.2019

(51) A47G 21/00
B65D 5/02
B65D 5/42
(11) EP3386875
(21) EP16815986.1
(22) 06.12.2016
(54) A PACKET FOR FRENCH FRIES AND A PLANO FOR ASSEMBLING SUCH PACKET
(73) LAMBWESTON/MEIJER VOF
(72) VAN DIJK, Dirk
VERMEER, Mike
(74) mr. ir. J. van Breda c.s.
(31) 2015918
(32) 07.12.2015
(33) Netherlands
(47) 18.09.2019

(51) A47G 21/00
B65D 75/32
B65D 75/52
B65D 75/58
B65D 81/36
(11) EP3242843
(21) EP16701987.6
(22) 08.01.2016
(54) SEALED PACKAGE COMPRISING A SQUEEZABLE PRODUCT
(73) Meta4sys Limited
(72) WILFORD, Martyn Sydney
(74) J.M.H. Duyver lic.
(31) 201500351
201504155
(32) 09.01.2015
12.03.2015
(33) United Kingdom
United Kingdom
(47) 23.10.2019

(51) A47H 27/00
(11) EP3243413
(21) EP17170605.4
(22) 11.05.2017
(54) DECORATIVE HOLDER DEVICE FOR WINDOW SILLS
(73) Stockhammer, Michael
(72) STOCKHAMMER, Michael
DEUERLING, Franz
(74) ir. H.A. Witmans c.s.
(31) 504362016
(32) 12.05.2016
(33) Austria
(47) 04.09.2019

(51) A47J 19/02

B65D 65/24
B65D 83/00
(11) EP3242578
(21) EP16701986.8
(22) 08.01.2016
(54) METHOD OF USING A CRUSHABLE PACK
(73) Meta4sys Limited
(72) WILFORD, Martyn Sydney
(74) J.M.H. Duyver lic.
(31) 201500355
(32) 09.01.2015
(33) United Kingdom
(47) 02.10.2019

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

(51) A47J 31/44
(11) EP3399891
(21) EP17700125.2
(22) 06.01.2017
(54) INFILTRATION-SAFE BEVERAGE MACHINE
(73) Société des Produits Nestlé S.A.
(72) BRANKO, Lukic
CROZIER, Etienne
GUYON, Bertrand
KILPATRICK, Kevin
MAGATTI, Marco
OBLIGER, Nicolas
RYUTARO TAKAYAMA, Steven
THULIEZ, Jean-Luc
(74) ir. F.A. Geurts c.s.
(31) PCT/US2016/012630
(32) 08.01.2016
(33) World Intellectual Property Office (WIPO)
(47) 09.10.2019

(51) A47J 37/06
A47J 37/07
(11) EP3335601
(21) EP17205737.4
(22) 06.12.2017
(54) HOB HAVING SLOPING RAISED AREAS AND SLOPING HOLLOW AREAS
(73) SEB S.A.
(72) BOUVIER, Pierre
BESSON, Jean-Christophe
GOUTHIERE, Christophe
(74) J.M.H. Duyver lic.
(31) 1662392
(32) 13.12.2016
(33) France
(47) 06.11.2019

(51) A47J 43/07
(11) EP3030121
(21) EP14756105.4
(22) 06.08.2014
(54) FOOD PREPARATION EQUIPMENT
(73) Kenwood Limited
(72) SHANMUGAM, Sivaprakash
(74) ir. F.A. Geurts c.s.
(31) 201314007
(32) 06.08.2013
(33) United Kingdom
(47) 09.10.2019

(51) A47K 1/14
E03C 1/262
E03C 1/264
(11) EP3295847
(21) EP17189433.0
(22) 05.09.2017
(54) DRAIN COVER WITH HAIR CATCHER
(73) Bilz, Sonja Maria
(72) Bilz, Sonja Maria
(74) dr. A. Krebs
(31) 102016117573
(32) 19.09.2016
(33) Germany
(47) 04.09.2019

(51) A47K 10/38
(11) EP2975989
(21) EP13718367.9
(22) 22.03.2013
(54) A DISPENSER ASSEMBLY
(73) Essity Operations France
(72) MARIETTA-TONDIN, Julien
STOEFFLER, Yves
CATTACIN, Gilles
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 06.11.2019

(51) A47L 13/17
(11) EP3010388
(21) EP14738695.7
(22) 18.06.2014
(54) BONDED LAMINATE CLEANING IMPLEMENT
(73) The Procter & Gamble Company
(72) ROE, Donald Carroll
ORR, Jill Marlene
CURRO, John Joseph
(31) 201361836209 P
(32) 18.06.2013
(33) United States of America
(47) 25.09.2019

(51) A47L 15/42
D06F 39/14
(11) EP3409824
(21) EP17425057.1
(22) 30.05.2017
(54) WASHING APPARATUS WITH SLIDING DOOR PROVIDED WITH A DEVICE FOR COLLECTING AND DRAINING WATER DRIPPING FROM THE DOOR
(73) Bonferraro S.p.A.
(72) Gobbi, Ezio
Piazza, Damiano
Tosi, Mauro
(74) ir. A.R. Aalbers
(47) 25.09.2019

(51) A61B 1/00
A61B 1/06
A61B 1/07
G02B 23/10
G02B 23/24
G02B 23/26
G02B 26/10
G02B 27/40
G03B 21/14
H04N 5/232
(11) EP2815264
(21) EP13748551.2
(22) 15.02.2013
(54) EXTENDED DEPTH OF FOCUS FOR HIGH-RESOLUTION IMAGE SCANNING
(73) University of Washington Through Its Center for Commercialization
(72) SEIBEL, Eric, J
SCHOWENGERDT, Brian, T.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261599839 P
(32) 16.02.2012
(33) United States of America
(47) 04.12.2019

(51) A61B 1/273
A61M 16/04
(11) EP2785238
(21) EP12806073.8
(22) 29.11.2012
(54) ENDOSCOPY DEVICE
(73) Teleflex Life Sciences Unlimited Company
(72) BRAIN, Archibald Ian Jeremy
(74) ir. H.J.G. Lips c.s.
(31) 201120628
(32) 30.11.2011
(33) United Kingdom
(47) 23.10.2019

(51) A61B 3/00
A61B 3/028
A61B 3/032
(11) EP1948002
(21) EP06804516.0
(22) 15.11.2006
(54) VISION TESTING SYSTEM AND METHOD
(73) Carl Zeiss Vision Australia Holdings Ltd.
(72) FISHER, Scott, Warren
FREELAND, Warwick
(74) ir. W.J.J.M. Kempes
(31) 2005906336
(32) 15.11.2005
(33) Australia
(47) 09.10.2019

(51) A61B 3/113
A61B 3/12
G02B 6/00
G02B 27/00
G06K 9/00
(11) EP3397137
(21) EP17885744.7
(22) 31.12.2017
(54) EYE TRACKER BASED ON RETINAL IMAGING VIA LIGHT-GUIDE OPTICAL ELEMENT
(73) Lumus Ltd.
(72) DANZIGER, Yochay
RONEN, Eitan
(74) drs. C.M.A. Quintelier
(31) 201662441205 P
(32) 31.12.2016
(33) United States of America
(47) 30.10.2019

(51) A61B 5/00
(11) EP2521486
(21) EP11702570.0
(22) 07.01.2011
(54) PALPOMETER
(73) Sunstar Suisse SA
(72) SVENSSON, Peter
RAVNHOLT, Gert
(74) ir. W.J.J.M. Kempes
(31) 293299 P
(32) 08.01.2010
(33) United States of America
(47) 23.10.2019

(51) A61B 5/00
A61B 5/01
A61B 5/02
A61B 5/0205
A61B 5/021
A61B 5/024
A61B 5/0245
A61B 5/029
A61B 5/0295
A61B 5/053
A61B 5/08
A61B 5/11
A61B 5/145
A61B 5/1455
(11) EP2658440
(21) EP11853231.6
(22) 27.12.2011
(54) Method for continuous non-invasive measurement of cardiac output and stroke volume of a subject
(73) Sotera Wireless, Inc.
(72) BANET, Matt
HENRY, Isaac
BERNSTEIN, Donald
(74) J.M.H. Duyver lic.
(31) 201061427756 P
(32) 28.12.2010
(33) United States of America
(47) 18.09.2019

(51) A61B 5/00
A61B 5/053
A61B 5/08
A61B 5/085
A61B 5/091
(11) EP2833788
(21) EP13773037.0
(22) 03.04.2013
(54) MEASURING LUNG VOLUME CHANGES BY IMPEDANCE PNEUMOGRAPHY
(73) Tide Medical OY
(72) SEPPÄ, Ville-Pekka
VIIK, Jari
(74) drs. C.M.A. Quintelier
(31) 20125376
(32) 03.04.2012
(33) Finland
(47) 18.09.2019

(51) A61B 5/00
G01N 21/86
G01N 33/487
(11) EP1878379
(21) EP06014316.1
(22) 11.07.2006
(54) Test tape system, in particular for blood sugar analysis
(73) F. Hoffmann-La Roche AG
(72) Sacherer, Klaus Dieter
(74) drs. C.M.A. Quintelier
(47) 16.10.2019

(51) A61B 5/055
G01R 33/28
G01R 33/38
(11) EP3349029
(21) EP17151488.8
(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
(74) ir. W.J.J.M. Kempes
(47) 11.09.2019

(51) A61B 5/06
A61B 6/00
H01F 27/28
A61B 34/20
A61B 90/00
(11) EP3114996
(21) EP16178006.9
(22) 05.07.2016
(54) MAGNETIC FIELD GENERATORS USING NONCONCENTRIC COILS
(73) Biosense Webster (Israel) Ltd.
(72) GOVARI, Assaf
GLINER, Vadim
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514791667
201615059628
(32) 06.07.2015
03.03.2016
(33) United States of America
United States of America
(47) 09.10.2019

(51) A61B 6/00
A61N 5/10
G01T 1/29
(11) EP2942081
(21) EP15166659.1
(22) 06.05.2015
(54) AN APPARATUS FOR PARTICLE THERAPY VERIFICATION COMPRISING A COLLIMATOR WITH MULTIPLE OPENINGS
(73) ION BEAM APPLICATIONS S.A.
UNIVERSITE CLAUDE BERNARD LYON (UCBL)
Institut National des Sciences Appliquees de Lyon (INSA)
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
(72) Roellinghof, Frauke
Pinto, Marco
Testa, Etienne
Freud, Nicolas
Smeets, Julien
(74) J.M.H. Duyver lic.
(31) 14167652
(32) 09.05.2014
(33) European Patent Office (EPO)
(47) 06.11.2019

(51) A61B 6/03
G06T 11/00
G01N 23/04
G01N 23/087
(11) EP3271898
(21) EP15885693.0
(22) 18.03.2015
(54) IMAGE RECONSTRUCTION BASED ON ENERGY-RESOLVED IMAGE DATA FROM A PHOTON-COUNTING MULTI BIN DETECTOR
(73) Prismatic Sensors AB
(72) GRÖNBERG, Fredrik
PERSSON, Mats
BORNEFALK, Hans
(74) ir. W.J.J.M. Kempes
(47) 16.10.2019

(51) A61B 8/00
A61B 8/08
A61B 8/12
A61B 10/02
A61B 10/04
A61B 17/00
A61B 17/34
A61B 34/30
(11) EP2931134
(21) EP13865880.2
(22) 11.12.2013
(54) AN APPARATUS FOR BIOPSY AND THERAPY
(73) Biobot Surgical Pte. Ltd.
Singapore Health Services Pte Ltd
(72) YAP, Chew Loong
SHI, Yibao
ANG, Teoh Hwa
MAK, Poon Kiong, Gilbert
CHEN, Hongjun
CHENG, Wai Sam, Christopher
YUEN, Shyi Peng, John
HO, Sun Sien, Henry
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201209160
(32) 11.12.2012
(33) Singapore
(47) 09.10.2019

(51) A61B 17/00
A61B 17/02
A61B 17/072
A61B 17/30
(11) EP1819266
(21) EP05826476.3
(22) 17.11.2005
(54) REMOTE TISSUE RETRACTION DEVICE
(73) Ethicon Endo-Surgery, Inc.
(72) ROTH, Alex
WELLER, Gary
GANNOE, James
GERBI, Craig
JULIAN, Christopher
HANCOCK, Andrew, H.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 991140
(32) 17.11.2004
(33) United States of America
(47) 30.10.2019

(51) A61B 17/00
A61B 17/34
A61M 25/00
A61M 25/01
A61M 25/06
A61M 25/10
A61B 90/00
(11) EP2934302
(21) EP13864631.0
(22) 22.12.2013
(54) POSITIONING AND TISSUE SENSING DEVICES
(73) Omeq Medical Ltd.
(72) TSAMIR, Oded
MARGALIT, Lior
(74) drs. C.M.A. Quintelier
(31) 201261745561 P
(32) 22.12.2012
(33) United States of America
(47) 18.09.2019

(51) A61B 17/00
A61M 25/00
A61M 25/01
A61B 34/30
A61B 34/37
A61B 90/00
(11) EP2542290
(21) EP11751139.4
(22) 28.02.2011
(54) ROBOTIC CATHETER SYSTEM WITH VARIABLE DRIVE MECHANISM
(73) Corindus, Inc.
(72) WENDEROW, Tal
MURPHY, John
(74) J.M.H. Duyver lic.
(31) 384174 P
309774 P
(32) 17.09.2010
02.03.2010
(33) United States of America
United States of America
(47) 06.11.2019

(51) A61B 17/06
B21G 1/00
C22F 1/00
(11) EP3267899
(21) EP16715007.7
(22) 09.03.2016
(54) IMPROVEMENTS TO HYPER-ELASTIC NEEDLES
(73) Soprane
(72) LOUBENS, Thierry
(74) dr. W.A.H.M. Van Borm
(31) 1552001
(32) 11.03.2015
(33) France
(47) 16.10.2019

(51) A61B 17/16
A61B 17/32
(11) EP3082623
(21) EP14825545.8
(22) 18.12.2014
(54) RONGEUR WITH CUTTING IMPLEMENT THAT IS SELECTIVELY DRIVEN BY A MOTOR SO THE CUTTING IMPLEMENT PERFORMS EITHER POWER ASSISTED OR MANUAL CUTTING OF TISSUE
(73) Stryker Corporation
(72) WALEN, James, G.
(74) J.M.H. Duyver lic.
(31) 201361919006 P
(32) 20.12.2013
(33) United States of America
(47) 13.11.2019

(51) A61B 17/22
A61B 17/3203
A61M 25/00
A61M 25/085
(11) EP2162179
(21) EP08725186.4
(22) 05.02.2008
(54) MINIATURE FLEXIBLE THROMBECTOMY CATHETER
(73) Boston Scientific Limited
(72) BONNETTE, Michael, J.
THOR, Eric, J.
KOZAK, Debra, M.
MORRIS, David, B.
TESCHENDORF, John, L.
BALL, Douglas, L.
WEISEL, Stephen, E.
(74) ir. A.R. Aalbers
(31) 702990
(32) 06.02.2007
(33) United States of America
(47) 25.09.2019

(51) A61B 17/32
A61M 29/00
(11) EP3089780
(21) EP14877420.1
(22) 02.12.2014
(54) AN INCISING IMPLANT FOR THE PROSTATIC URETHRA
(73) Medi-Tate Ltd.
(72) KILEMNIK, Ido
(74) ir. M.B. Plaggenborg
(31) 201361921590 P
201462077331 P
PCT/IL2014/051015
(32) 30.12.2013
10.11.2014
23.11.2014
(33) United States of America
United States of America
World Intellectual Property Office (WIPO)
(47) 04.09.2019

(51) A61B 17/3203
A61B 90/00
(11) EP2994062
(21) EP14721889.5
(22) 07.05.2014
(54) DEVICE FOR CHEMICALLY ASSISTED DISSECTION
(73) AuXin Surgery SA
(72) CAPART, Gilles
(74) ir. J.P.E. Brants
(31) 13166898
13198443
(32) 07.05.2013
19.12.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 02.10.2019

(51) A61B 17/86
(11) EP3253313
(21) EP16704051.8
(22) 28.01.2016
(54) DEVICE FOR VARIABLE FIXATION OF BONE FRAGMENTS
(73) Biomech Innovations SA
(72) BRIANZA, Stefano
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1482015
(32) 03.02.2015
(33) Switzerland
(47) 25.09.2019

(51) A61B 18/00
A61N 5/06
F21V 8/00
(11) EP3209932
(21) EP15794621.1
(22) 21.10.2015
(54) A LIGHT SOURCE
(73) Imperial College Innovations Limited
(72) SATHIAN, Juna
OXBORROW, Mark
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201418725
(32) 21.10.2014
(33) United Kingdom
(47) 09.10.2019

(51) A61B 34/20
A61B 90/00
(11) EP3454770
(21) EP17755074.6
(22) 01.08.2017
(54) IMAGE MARKER-BASED NAVIGATION USING A TRACKING FRAME
(73) Brainlab AG
(72) WINKLER, Ulrike
ESSENREITER, Robert
HOFBERGER, Stefan
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 02.10.2019

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

(51) A61C 13/00
A61C 13/083
A61C 13/09
C04B 35/48
A61C 5/73
A61C 5/77
(11) EP3389553
(21) EP16822464.0
(22) 23.12.2016
(54) METHOD FOR PRODUCING A BLANK
(73) Dentsply Sirona Inc.
DeguDent GmbH
(72) VÖLKL, Lothar
FECHER, Stefan
KUTZNER, Martin
OEFNER, Tanja

(74) ir. W.J.J.M. Kempes
(31) 102015122861
(32) 28.12.2015
(33) Germany
(47) 02.10.2019

(51) A61C 17/02
(11) EP2838467
(21) EP13778016.9
(22) 15.04.2013
(54) APPARATUS AND SYSTEM FOR ENDODONTIC TREATMENT
(73) Fluidfile Ltd.
(72) DARSHAN, Yehuda
LIFSHITZ, Amnon
(74) ir. W.J.J.M. Kempes
(31) 21916912
(32) 15.04.2012
(33) Israel
(47) 04.09.2019

(51) A61C 17/22
A61C 17/34
(11) EP2595566
(21) EP11749249.6
(22) 25.07.2011
(54) PERSONAL CARE DEVICE
(73) Braun GmbH
(72) ZIEGLER, Frank
SCHAEFER, Norbert
SCHOBER, Uwe
UTSCH, Joem
KRAMP, Andreas
HEIL, Benedikt
HUEBNER, Marlis
(31) 10007716
(32) 23.07.2010
(33) European Patent Office (EPO)
(47) 25.09.2019

(51) A61F 2/00
A61F 2/44
A61F 2/46
(11) EP3082653
(21) EP16724840.0
(22) 10.03.2016
(54) INTERVERTEBRAL SPACER THAT DYNAMICALLY PROMOTES BONE GROWTH
(73) SIMPLIFY MEDICAL Pty LIMITED
(72) ARRAMON, Yves
HOVDA, David
(74) ir. H.A. Witmans c.s.
(31) 201562131154 P
201615065774
(32) 10.03.2015
09.03.2016
(33) United States of America
United States of America
(47) 25.09.2019

(51) A61F 2/00
A61L 31/02
C21D 1/00
C22C 19/03
C22F 1/10
A61F 2/06
A61F 2/86
A61F 2/89
A61F 2/91
A61F 2/966
(11) EP3067436
(21) EP16161169.4
(22) 18.06.2007
(54) IMPLANT HAVING HIGH FATIGUE RESISTANCE, DELIVERY SYSTEM, AND METHOD OF USE
(73) Covidien LP
(72) Jianlu, Ma
Ranum, Dan
Tatalovich, Joe
Wang, Lixiao
Zhao, Xiaoling
(74) dr. W.A.H.M. Van Borm
(31) 814437 P
840170 P
(32) 16.06.2006
25.08.2006
(33) United States of America
United States of America
(47) 06.11.2019

(51) A61F 2/14
G02B 1/04
G02C 7/04
(11) EP2638878
(21) EP13160886.1
(22) 29.07.2011
(54) SILICONE HYDROGEL LENSES WITH WATER-RICH SURFACES
(73) Novartis AG
(72) Qiu, Yongxing
Pruitt, John Dallas
Tucker, Robert Carey
Thekveli, Sibichen J.
Nelson, Jared
(74) ir. W.J.J.M. Kempes
(31) 369102 P
201161448478 P
(32) 30.07.2010
02.03.2011
(33) United States of America
United States of America
(47) 23.10.2019

(51) A61F 2/24
(11) EP2043559
(21) EP07812502.8
(22) 29.06.2007
(54) SYSTEM FOR DEPLOYING BALLOON-EXPANDABLE HEART VALVE
(73) Edwards Lifesciences Corporation
(72) PATZ, Tim
PATTERSON, Marlowe
KHANNA, Rajesh
LAU, Jackie
ZHU, Mike
HSINGCHING, Crystal, Hsu
(74) ir. F.A. Geurts c.s.
(31) 488510
(32) 18.07.2006
(33) United States of America
(47) 13.11.2019

(51) A61F 2/24
A61L 27/36
A61L 27/50
(11) EP2656863
(21) EP13172136.7
(22) 23.03.2011
(54) METHODS OF CONDITIONING SHEET BIOPROSTHETIC TISSUE
(73) Edwards Lifesciences Corporation
(72) Dove, Jeffrey S.
Tian, Bin
Schneider, Ralph
Cohen, Jeffrey S.
Jankovic, Ivan
Migliazza, John F.
Wright, Gregory A.
Young, James M.
Campbell, Louis A.
(74) ir. F.A. Geurts c.s.
(31) 316801 P
381858 P
(32) 23.03.2010
10.09.2010
(33) United States of America
United States of America
(47) 18.09.2019

(51) A61F 2/28
A61F 2/30
(11) EP3177232
(21) EP15747353.9
(22) 15.07.2015
(54) METHOD FOR PRODUCING A MULTILAYER FILM
(73) Sonnleitner, Dietmar
(72) Sonnleitner, Dietmar
(74) J.M.H. Duyver lic.
(31) 6222014
(32) 05.08.2014
(33) Austria
(47) 04.09.2019

(51) A61F 2/30
A61F 2/34
A61F 2/46
(11) EP3288502
(21) EP16718698.0
(22) 27.04.2016
(54) DEVICE FOR INSERTING A LINER INTO AN ACETABULAR CUP
(73) DePuy Ireland Unlimited Company
(72) BAILEY, Andrew
MOORE, Gary
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201507211
(32) 28.04.2015
(33) United Kingdom
(47) 02.10.2019

(51) A61F 2/95
(11) EP2699205
(21) EP12719152.6
(22) 17.04.2012
(54) UNIFORM CRIMPING METHODS FOR POLYMER SCAFFOLD
(73) Abbott Cardiovascular Systems Inc.
(72) WANG, Yunbing
LUMAUIG, Rommel
OBERHAUSER, James
ROBERTS, Lily Ayo
MCNIVEN, Sean A.
YAN, Kathleen
KNOTT, Boyd V.
BEER, Jeremy B.
JOHNSON, Mark C.
(74) ir. H.A. Witmans c.s.
(31) 201113089225
201213438211
(32) 18.04.2011
03.04.2012

(33) United States of America
United States of America
(47) 30.10.2019

(51) A61F 5/44
A61F 5/445
A61M 1/00
(11) EP3389575
(21) EP16808817.7
(22) 05.12.2016
(54) DEVICE ALLOWING AN ALIMENTARY BOLUS FLOW BETWEEN TWO STOMAS
(73) Centre Hospitalier Régional Universitaire de Lille
(72) LOGIER, Régis
SOZANSKI, Jean-Pierre
NZAMUSH ELEPAN MABLA, Jean-Robert
(74) J.M.H. Duyver lic.
(31) 1562433
(32) 15.12.2015
(33) France
(47) 06.11.2019

(51) A61F 9/00
A61M 5/14
A61M 5/20
A61M 5/24
A61M 5/30
A61M 5/31
A61M 5/315
A61M 11/00
A61M 11/06
A61M 15/00
B05B 11/02
G01F 11/02
(11) EP2945666
(21) EP14701927.7
(22) 14.01.2014
(54) MEDICAMENT DELIVERY DEVICE
(73) SHL Medical AG
(72) EGERSTRÖM, Johan
SÖDERLUND, Marcus
RONQUIST, Nils
(31) 1350046
201361752600 P
(32) 15.01.2013
15.01.2013
(33) Sweden
United States of America
(47) 09.10.2019

(51) A61F 9/007
A61F 9/008
(11) EP3363415
(21) EP18158235.4
(22) 09.01.2009
(54) CURVED PHOTODISRUPTIVE LASER FRAGMENTATION OF TISSUE
(73) Alcon LenSx, Inc.
(72) RAKSI, Ferenc
(74) ir. W.J.J.M. Kempes
(31) 20115 P
(32) 09.01.2008
(33) United States of America
(47) 02.10.2019

(51) A61F 13/42
A61F 13/84
H01H 36/00
(11) EP3373876
(21) EP15794570.0
(22) 13.11.2015
(54) WEARABLE ABSORBENT HYGIENE ARTICLE COMPRISING A MAGNETIC SWITCH
(73) Essity Hygiene and Health Aktiebolag
(72) CARNEY, Joshua
SCHVETZ, Yossef
OZSUMER, Serdar
TRAMONTANA, Manuel
LOCATI, Alessandro
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 02.10.2019

(51) A61F 13/49
A61F 13/56
(11) EP3099279
(21) EP15743815.1
(22) 27.01.2015
(54) ABSORBENT ARTICLE HAVING A ZONED ATTACHMENT AREA FOR SECURING AN ABSORBENT ASSEMBLY TO A CHASSIS
(73) Kimberly-Clark Worldwide, Inc.
(72) RUMAN, Marcille Faye
BENNETT, Kathleen Irene
SPERL, Michael D.
SINA, Joseph J.
VIGNALI, Frédérique
KUSSOW, Brandon Benjamin
(74) dr. W.A.H.M. Van Borm
(31) 201414170077
(32) 31.01.2014
(33) United States of America
(47) 06.11.2019

(51) A61G 5/06
A61G 5/12
A61G 5/14
A61H 1/02
A61H 3/00
A61H 3/04
A61G 5/04
(11) EP3207909
(21) EP16305189.9
(22) 18.02.2016
(54) SUPPORTING STRUCTURE
(73) Hexowheel
(72) LINON, Rodolphe
(74) J.M.H. Duyver lic.
(47) 11.09.2019

(51) A61G 10/00
A61J 1/05
A61J 3/00
B25J 13/00
B25J 21/00
(11) EP2913042
(21) EP13849182.4
(22) 17.10.2013
(54) CO-INFUSION DEVICE
(73) YUYAMA MFG. CO., LTD.
(72) YUYAMA, Shoji
KOIKE, Naoki
KOHAMA, Akitomi
TANAKA, Akifumi
WARASHINA, Masatoshi
KAWAUCHI, Kazuki
TSUGUI, Takuya
OYA, Sho
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2012235398
2013022248
2013194236
(32) 25.10.2012
07.02.2013
19.09.2013
(33) Japan
Japan
Japan
(47) 02.10.2019

(51) A61G 10/02
A62B 7/00
B63C 11/32
G01N 1/22
G01N 7/00
G01N 33/00
(11) EP3137892
(21) EP15723038.4
(22) 28.04.2015
(54) DETERMINING THE PARTIAL PRESSURE OF A GAS IN A PRESSURE VESSEL
(73) Fathom Systems Limited
(72) KERR, Gareth
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201407751
(32) 02.05.2014
(33) United Kingdom
(47) 11.09.2019

(51) A61H 23/02
(11) EP3122308
(21) EP15715976.5
(22) 27.03.2015
(54) A DEVICE FOR THE TREATING OF PAIN
(73) PaciniMedico ApS
(72) NIELSEN, Peter Michael
RØNAGER, Jesper
(74) ir. W.J.J.M. Kempes
(31) 201470156
(32) 27.03.2014
(33) Denmark
(47) 02.10.2019

(51) A61J 1/03
A61J 7/00
B65D 25/20
(11) EP3023349
(21) EP14825979.9
(22) 14.05.2014
(54) SIGNAL PROCESSING DEVICE, SEAL-OPENING DETECTION MODULE, PROGRAM, SEAL-OPENING DETECTION METHOD, AND ARTICLE-PACKAGING MATERIAL
(73) Sony Corporation
(72) KOSAKA, Hideo
(74) ir. W.J.J.M. Kempes
(31) 2013150834
(32) 19.07.2013
(33) Japan
(47) 13.11.2019

(51) A61K 6/00
(11) EP2929871
(21) EP15163122.3
(22) 10.04.2015
(54) CREAM FOR DENTURE ADHESIVE
(73) Bogaert, Jean-Pierre
(72) Marc, Bogaert
(74) J.M.H. Duyver lic.
(31) 5542014
(32) 10.04.2014

(33) Switzerland
(47) 11.09.2019

(51) A61K 8/11
A61K 8/25
A61Q 13/00
B01J 13/18
C01B 33/12
C08G 77/02
C11B 9/00
C11D 3/50
(11) EP3078415
(21) EP14868446.7
(22) 05.12.2014
(54) METHOD FOR MANUFACTURING MICROCAPSULES
(73) Kao Corporation
(72) YAMAZAKI, Daisuke
(74) mr.ir. F.N. Ferro
(31) 2013252838
(32) 06.12.2013
(33) Japan
(47) 06.11.2019

(51) A61K 8/49
A61K 31/352
A61K 36/535
A61P 29/00
A61Q 19/00
C07D 311/32
A23L 33/10
A61K 8/97
(11) EP3042897
(21) EP14840387.6
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2013181052
(32) 02.09.2013
(33) Japan
(47) 11.09.2019

(51) A61K 9/00
A61K 9/08
A61K 31/121
A61K 47/32
A61K 49/00
(11) EP3237019
(21) EP16718844.0
(22) 07.04.2016
(54) FORMULATION OF HYPERICIN FOR PHOTODYNAMIC DIAGNOSIS
(73) Sanochemia Pharmazeutika AG
(72) ABRAHAMSBERG, Christina
FRANTSITS, Werner
GERDES, Klaus
GUNGL, József
KÄLZ, Beate
WELZIG, Stefan
(74) ir. H.A. Witmans c.s.
(31) 6292015
(32) 28.09.2015
(33) Austria
(47) 09.10.2019

(51) A61K 9/00
A61K 9/28
A61K 31/606
A61K 47/32
A61K 47/36
(11) EP2844222
(21) EP13723033.0
(22) 29.04.2013
(54) A DELAYED RELEASE DRUG FORMULATION
(73) TILLOTTS PHARMA AG
(72) BRAVO GONZÁLEZ, Roberto Carlos
BUSER, Thomas
GOUTTE, Frédéric Jean-Claude
BASIT, Abdul, Waseh
VARUM, Felipe, José, Oliveria
FREIRE, Ana, Cristina
(74) drs. C.M.A. Quintelier
(31) 12166110
201261640217 P
(32) 30.04.2012
30.04.2012
(33) European Patent Office (EPO)
United States of America
(47) 13.11.2019

(51) A61K 9/00
A61K 38/16
A61P 31/04
(11) EP3185882
(21) EP15770442.0
(22) 28.08.2015
(54) POSITIVELY CHARGED CO-POLYMERS FOR USE AS ANTIMICROBIAL AGENTS
(73) Aarhus Universitet
Region Midtjylland
(72) JENSEN, Thomas Vorup
CHRISTIANSEN, Stig Hill
PETERSEN, Jørgen Eskild
(74) ir. W.J.J.M. Kempes
(31) 201470521
(32) 29.08.2014
(33) Denmark
(47) 09.10.2019

(51) A61K 9/00
A61K 47/36
A61K 38/095
(11) EP3154516
(21) EP15734080.3
(22) 15.06.2015
(54) STABILIZED DESMOPRESSIN
(73) Ferring B.V.
(72) LEE, Bong Sang
PARK, Su-Jun
HAN, Jiyeong
KIL, Myeongcheol
KIM, Min Seop
(74) ir. M.B. Plaggenborg
(31) 20140073067
(32) 16.06.2014
(33) Korea (Republic)
(47) 04.09.2019

(51) A61K 9/00
A61M 37/00
(11) EP2968119
(21) EP14720840.9
(22) 14.03.2014
(54) MICROARRAY FOR DELIVERY OF THERAPEUTIC AGENT, METHODS OF USE, AND METHODS OF MAKING
(73) Corium International, Inc.
(72) CHEN, Guohua
DING, Zhongli
GHARTEY-TAGOE, Esi
SHASTRY, Ashutosh
WORSHAM, Robert, Wade
SINGH, Parminder
(74) ir. W.J.J.M. Kempes
(31) 201361792069 P
(32) 15.03.2013
(33) United States of America
(47) 18.09.2019

(51) A61K 9/00
A61P 1/00
A61P 1/14
A61K 35/744
A61K 35/745
A61K 35/747
(11) EP2776048
(21) EP12796855.0
(22) 08.06.2012
(54) PHARMACEUTICAL COMPOSITIONS CONTAINING PEDIOCOCCUS AND METHODS FOR REDUCING THE SYMPTOMS OF GASTROENTEROLOGICAL SYNDROMES
(73) Prothera, Inc.
(72) OLMSTEAD, Stephen, F.
(74) J.M.H. Duyver lic.
(31) 201113067582
(32) 10.06.2011
(33) United States of America
(47) 18.09.2019

(51) A61K 9/08
A61K 9/107
A61K 31/56
A61K 31/60
A61K 47/30
C08G 18/62
(11) EP3291818
(21) EP16789978.0
(22) 04.05.2016
(54) COMPOSITIONS AND METHODS FOR DELIVERING THERAPEUTIC AGENTS INTO THE COLON
(73) The Board of Trustees of the Leland Stanford Junior University
(72) SINHA, Sidhartha Ranjit
RAJADAS, Jayakumar
HABTEZION, Aida
PAMNANI, Ravinder D.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201562156682 P
(32) 04.05.2015
(33) United States of America
(47) 30.10.2019

(51) A61K 9/08
A61K 38/26
A61K 38/28
(11) EP2877158
(21) EP13823275.6
(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
(74) drs. C.M.A. Quintelier
(31) 20120081476
(32) 25.07.2012
(33) Korea (Republic)
(47) 11.09.2019

(51) A61K 9/107
A61K 38/28
(11) EP3215128
(21) EP15856347.8
(22) 04.11.2015
(54) ORAL ADMINISTRATION OF UNSTABLE OR POORLY-ABSORBED DRUGS
(73) Innopharmax, Inc.
(72) YANG, Yu-tsai
WANG, Jong-jing
HSU, Pei-jing
CHANG, Li-chien
HAO, Wei-hua
HSU, Chang-shan
(74) ir. M.B. Plaggenborg
(31) 201462075144 P
201562197286 P
(32) 04.11.2014
27.07.2015
(33) United States of America
United States of America
(47) 04.09.2019

(51) A61K 9/16
B01J 2/04
B01J 2/06
B01J 4/00
B01J 19/26
(11) EP2229233
(21) EP08856540.3
(22) 01.12.2008
(54) METHOD FOR THE PRODUCTION OF PARTICLES
(73) XSpray Pharma AB (publ)
(72) DEMIRBÜKER, Mustafa
(74) ir. W.J.J.M. Kempes
(31) 0702735
19391
13758
(32) 07.12.2007
07.01.2008
07.02.2008
(33) Sweden
United States of America
United States of America
(47) 09.10.2019

(51) A61K 9/50
(11) EP2152250
(21) EP07728851.2
(22) 07.05.2007
(54) SOLID DOSAGE FORMS COMPRISING AN ENTERIC COATING WITH ACCELERATED DRUG RELEASE
(73) Evonik Röhm GmbH
(72) LIU, Fang
BASIT, Abdul W
LIZIO, Rosario
PETEREIT, Hans-Ulrich
MEIER, Christian
DAMM, Michael
(74) ir. W.J.J.M. Kempes
(47) 04.09.2019

(51) A61K 9/50
A61K 38/00
(11) EP2164473
(21) EP08759948.6
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 07108796
(32) 24.05.2007
(33) European Patent Office (EPO)
(47) 11.09.2019

(51) A61K 31/135
A61K 31/137
A61K 31/138
A61K 31/661
A61P 37/00
A61P 37/06
(11) EP3409274
(21) EP18179301.9
(22) 21.12.2009
(54) DOSAGE REGIMEN FOR A S1P RECEPTOR AGONIST
(73) Novartis AG
(72) Schmouder, Robert
Dumortier, Thomas
David, Olivier
Looby, Michael
(74) dr. A. Krebs
(31) 139672 P
218530 P
246715 P
(32) 22.12.2008
19.06.2009
29.09.2009
(33) United States of America
United States of America
United States of America
(47) 20.11.2019

(51) A61K 31/137
A61P 25/00
A61P 25/04
(11) EP2694050
(21) EP12718065.1
(22) 03.04.2012
(54) TAPENTADOL FOR USE IN TREATING PAIN ASSOCIATED WITH TRIGEMINAL NEURALGIA
(73) Grünenthal GmbH
(72) CHRISTOPH, Thomas
DE VRY, Jean
TZSCHENTKE, Thomas
BLOMS-FUNKE, Petra
SCHIENE, Klaus
HAMON, Michel
(74) ir. W.J.J.M. Kempes
(31) 11002810
(32) 05.04.2011
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) A61K 31/185
A61P 1/04
A61P 1/12
A61P 31/12
A61P 31/14
(11) EP3246024
(21) EP15877470.3
(22) 17.01.2015
(54) USE OF TAURINE IN PREVENTION AND/OR TREATMENT OF DISEASES INDUCED BY VIRUSES OF GENUS CORONAVIRUS AND/OR GENUS ROTAVIRUS
(73) Genifarm Laboratories Inc
Guang Zhou Yuan Tu Biological and Chemical Technology Co., Ltd
(72) WANG, Yongdong
CAO, Jiyuan
ZHU, Shifa
CHENG, Wen
HUANG, Zhipeng
(74) dr. A. Krebs
(47) 25.09.2019

(51) A61K 31/343
A61K 31/381
A61K 31/403
A61K 31/404
A61K 31/4178
A61K 31/4439
A61K 31/454
A61K 31/4545
A61K 31/496
A61K 31/506
A61K 31/5377
A61K 31/541
A61K 31/7056
A61P 25/24
A61P 25/28
A61P 35/00
A61P 35/02
A61P 35/04
A61P 43/00
C07D 209/88
(11) EP3345903
(21) EP18158255.2
(22) 09.06.2010
(54) TETRACYCLIC COMPOUNDS
(73) Chugai Seiyaku Kabushiki Kaisha
(72) Kinoshita, Kazutomo
Asoh, Kohsuke
Furuichi, Noriyuki
Ito, Toshiya
Kawada, Hatsuo
Ishii, Nobuya
Sakamoto, Hiroshi
Hong, WooSang
Park, MinJeong
Ono, Yoshiyuki
Kato, Yasuharu
Morikami, Kenji
Emura, Takashi

Oikawa, Nobuhiro
(74) J.M.H. Duyver lic.
(31) 2009139691
(32) 10.06.2009
(33) Japan
(47) 09.10.2019

(51) A61K 31/41
A61K 31/537
A61K 31/80
A61P 9/00
A61P 9/06
A61P 9/12
A61P 13/12
(11) EP2663304
(21) EP12734251.7
(22) 11.01.2012
(54) COMBINATION THERAPY
(73) Dimerix Bioscience Pty Ltd
(72) PFLEGER, Kevin Donald George
MCCALL, Elizabeth
WILLIAMS, James
(74) dr. W.A.H.M. Van Borm
(31) 2011900060
201161432896 P
2011904279
201161547951 P
(32) 11.01.2011
14.01.2011
17.10.2011
17.10.2011
(33) Australia
United States of America
Australia
United States of America
(47) 20.11.2019

(51) A61K 31/4155
A61P 9/00
C07D 231/40
C07D 231/44
C07D 231/50
C07D 413/12
C07D 417/12
C07D 487/04
C07D 498/04
(11) EP3292105
(21) EP16720116.9
(22) 03.05.2016
(54) PYRAZOLE DERIVATIVES USEFUL AS 5-LIPOXYGENASE ACTIVATING PROTEIN (FLAP) INHIBITORS
(73) AstraZeneca AB
(72) BRODDEFALK, Johan, Olof
EMTENÄS, Hans, Fredrik
GRANBERG, Kenneth, Lars
LEMURELL, Malin, Anita
PETTERSEN, Daniel, Tor
PLOWRIGHT, Alleyn, Thomas
ULANDER, Lars, Johan, Andreas
(74) ir. W.J.J.M. Kempes
(31) 201562156424 P
(32) 04.05.2015
(33) United States of America
(47) 02.10.2019

(51) A61K 31/4245
A61K 31/433
A61K 31/501
A61P 25/16
A61P 25/18
A61P 25/24
A61P 25/28
A61P 35/00
A61P 37/00
C07D 237/20
C07D 271/113
C07D 285/12
C07D 417/06
C07D 417/14
(11) EP2782570
(21) EP12850989.0
(22) 19.11.2012
(54) HETEROCYCLIC INHIBITORS OF GLUTAMINASE
(73) Calithera Biosciences Inc.
(72) LI, Jim
CHEN, lijing
GOYAL, Bindu
LAIDIG, Guy
STANTON, Timothy, Friend
SJOGREN, Eric, Brian
(74) dr. A. Krebs
(31) 201161562266 P
201261665370 P
201261727195 P
(32) 21.11.2011
28.06.2012
16.11.2012
(33) United States of America
United States of America
United States of America
(47) 18.09.2019

(51) A61K 31/428
A61K 31/4427
A61K 31/4436
A61K 31/47
A61P 35/00
C07D 215/58
C07D 401/12
C07D 417/04
C07D 417/12
C07D 417/14
(11) EP2403499
(21) EP10749239.9
(22) 02.03.2010
(54) METHODS AND COMPOSITIONS FOR USE IN TREATING CANCER AND REDUCING WNT MEDIATED EFFECTS IN A CELL
(73) StemSynergy Therapeutics, Inc.
(72) ORTON, Darren
(74) dr. A. Krebs
(31) 156741 P
(32) 02.03.2009
(33) United States of America
(47) 18.09.2019

(51) A61K 31/4425
A61K 31/4439
A61P 25/16
C07D 413/04
(11) EP2791134
(21) EP12806720.4
(22) 12.12.2012
(54) CHEMICAL COMPOUND USEFUL AS INTERMEDIATE FOR PREPARING A CATECHOL-O-METHYLTRANSFERASE INHIBITOR
(73) BIAL - Portela & Cª S.A.
(72) RUSSO, Domenico
KISS, Laszlo Erno
WAHNON, Jorge Bruno Reis
LEARMONTH, David Alexander
ESZENYI, Tibor
ZIMMERMANN, Axel
SCHLUMMER, Bjoern
KREIS, Michael
REITER, Klaus
(74) dr. A. Krebs
(31) 201121413
201161570141 P
201201758
201261593625 P
201261718589 P
(32) 13.12.2011
13.12.2011
01.02.2012
01.02.2012
25.10.2012
(33) United Kingdom
United States of America
United Kingdom
United States of America
United States of America
(47) 25.09.2019

(51) A61K 31/4427
A61P 35/00
C07D 405/06
(11) EP3377485
(21) EP16805664.6
(22) 17.11.2016
(54) A SOLID STATE FORM OF PLADIENOLIDE PYRIDINE COMPOUNDS AND METHODS OF USE
(73) Eisai R&D Management Co., Ltd.
(72) KEANEY, Gregg F.
WANG, John
GERARD, Baudouin
ARAI, Kenzo
LIU, Xiang
ZHENG, Guo, Zhu
KIRA, Kazunobu
TIVITMAHAISOON, Parcharee
PRAJAPATI, Sudeep
KOTAKE, Yoshihiko
KANADA SONABE, Regina, Mikie
MIYANO, Masayuki
MURAI, Norio
BUONAMICI, Silvia
YU, Lihua
PARK, Eunice, Sun
SMITH, Peter, G.
PAZOLLI, Ermira
LIM, Kian, Huat
CHANDA, Arani
ENDO, Atsushi
THOMAS, Michael, P.
CHAN, Betty
NAGAO, Satoshi
GEARHART, Nicholas, C.
(74) ir. W.J.J.M. Kempes
(31) 201562257088 P
(32) 18.11.2015
(33) United States of America
(47) 25.09.2019

(51) A61K 31/4439
A61P 11/06

C07D 213/73
C07D 401/04
C07D 401/14
C07D 413/04
C07D 413/14
C07D 417/04
C07D 491/107
(11) EP3134396
(21) EP14726414.7
(22) 24.04.2014
(54) AMINO PYRIDINE DERIVATIVES AS PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS
(73) Novartis AG
(72) BELLENIE, Benjamin Richard
BLOOMFIELD, Graham Charles
BRUCE, Ian
CULSHAW, Andrew James
HALL, Edward Charles
HOLLINGWORTH, Gregory
NEEF, James
SPENDIFF, Matthew
WATSON, Simon James
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 18.09.2019

(51) A61K 31/4743
A61P 13/12
A61P 27/00
C07D 495/18
(11) EP3253766
(21) EP16747385.9
(22) 05.02.2016
(54) COMPOUNDS AND METHODS FOR PREVENTING OR TREATING SENSORY HAIR CELL DEATH
(73) Fred Hutchinson Cancer Research Center
University of Washington
Oricula Therapeutics LLC
(72) SIMON, Julian
JOHNSON, Graham
RUBEL, Edwin W.
RAIBLE, David W.
GONZALEZ, Mario D.
MELTZER, Peter C.
MIAO, Weishi
(74) drs. C.M.A. Quintelier
(31) 201562113245 P
(32) 06.02.2015
(33) United States of America
(47) 04.09.2019

(51) A61K 31/475
A61K 45/06
A61K 47/20
A61K 47/40
A61P 35/00
C07D 491/22
A61K 47/10
(11) EP2632264
(21) EP11837250.7
(22) 31.10.2011
(54) NOVEL FORMULATIONS OF WATER-INSOLUBLE CHEMICAL COMPOUNDS AND METHODS OF USING A FORMULATION OF COMPOUND FL118 FOR CANCER THERAPY
(73) Health Research, Inc.
(72) LI, Fengzhi
LING, Xiang
CAO, Shousong
(74) ir. W.J.J.M. Kempes
(31) 407996 P
(32) 29.10.2010
(33) United States of America
(47) 02.10.2019

(51) A61K 31/501
A61K 31/53
A61P 35/00
C07D 417/14
(11) EP3383871
(21) EP16802102.0
(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
(74) dr. A. Krebs
(31) 201562260787 P
(32) 30.11.2015
(33) United States of America
(47) 11.09.2019

(51) A61K 31/506
A61P 35/00
C07D 239/545
C07D 239/553
C07D 403/12
C07D 417/12
C07D 473/18
C07D 487/04
C07D 519/00
(11) EP3019496
(21) EP14748351.5
(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
(74) ir. H.A. Witmans c.s.
(31) 201361845342 P
201461923179 P
(32) 11.07.2013
02.01.2014
(33) United States of America
United States of America
(47) 11.09.2019

(51) A61K 31/519
A61P 17/00
A61P 27/02
A61P 29/00
A61P 35/00
C07D 487/04
(11) EP2432472
(21) EP10721227.6
(22) 21.05.2010
(54) 3-[4-(7H-PYRROLO[2,3-D]PYRIMIDIN-4-YL)-1H-PYRAZOL-1-YL]OCTANE- OR HEPTANE-NITRILE AS JAK INHIBITORS
(73) Incyte Holdings Corporation
(72) LI, Yun-Long
RODGERS, James D.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 180582 P
(32) 22.05.2009
(33) United States of America
(47) 02.10.2019

(51) A61K 31/519
A61P 35/00
A61P 37/00
C07D 487/04
(11) EP3277687
(21) EP16714019.3
(22) 30.03.2016
(54) 7-(MORPHOLIN-4-YL)PYRAZOLE[1,5-A]PYRIMIDINE DERIVATIVES WHICH ARE USEFUL FOR THE TREATMENT OF IMMUNE OR INFLAMMATORY DISEASES OR CANCER
(73) CELON PHARMA S.A.
(72) DYMEK, Barbara
ZAGOZDA, Marcin
WIECZOREK, Maciej
DUBIEL, Krzysztof
STANCZAK, Aleksandra
ZDZALIK, Daria
GUNERKA, Pawel
SEKULAR, Mariola
DZIACHAN, Maciej
(74) dr. A. Ellens c.s.
(31) 41186415
(32) 02.04.2015
(33) Poland
(47) 30.10.2019

(51) A61K 31/5377
A61P 25/24
C07D 471/04
(11) EP3338781
(21) EP18154256.4
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(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
(47) 11.09.2019

(51) A61K 31/542
A61P 25/28
C07D 513/04
(11) EP3288949

(21) EP16719728.4
(22) 22.04.2016
(54) TETRAHYDROFURANE-FUSED AMINOHYDROTHIAZINE DERIVATIVES WHICH ARE USEFUL IN THE TREATMENT OF ALZHEIMER'S DISEASE
(73) Eli Lilly and Company
(72) REMICK, David Michael
RICHARDS, Simon James
SANDERSON, Adam Jan
(74) ir. J.C. Volmer c.s.
(31) 201562154242 P
(32) 29.04.2015
(33) United States of America
(47) 06.11.2019

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

(51) A61K 31/69
A61P 37/00
C07F 5/02
(11) EP3201206
(21) EP15778613.8
(22) 01.10.2015
(54) BORONIC ACID DERIVATIVES
(73) Merck Patent GmbH
(72) KLEIN, Markus
SCHADT, Oliver
HASELMAYER, Philipp
KRIER, Mireille
(74) ir. H.A. Witmans c.s.
(31) 14003389
(32) 01.10.2014
(33) European Patent Office (EPO)
(47) 18.09.2019

(51) A61K 31/702
A23L 33/00
(11) EP3389404
(21) EP16809851.5
(22) 15.12.2016
(54) MIXTURE OF HMOS
(73) Société des Produits Nestlé S.A.
(72) MCCONNELL, Bruce
VIGSNÆS, Louise Kristine
(74) ir. F.A. Geurts c.s.
(31) 15200067
16154144
(32) 15.12.2015
03.02.2016
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 02.10.2019

(51) A61K 31/7088
C12N 15/113
(11) EP3449926
(21) EP18185820.0
(22) 17.06.2010
(54) COMPOSITIONS AND METHODS FOR MODULATION OF SMN2 SPLICING IN A SUBJECT
(73) Biogen MA Inc.
COLD SPRING HARBOR LABORATORY
(72) BENNETT, C. Frank
HUNG, Gene
RIGO, Frank
KRAINER, Adrian R.
HUA, Yimin
PASSINI, Marco A.
SHIHABUDDIN, Lamya
CHENG, Seng H.
KLINGER, Katherine W.
(74) ir. W.J.J.M. Kempes
(31) 21803109 P
(32) 17.06.2009
(33) United States of America
(47) 09.10.2019

(51) A61K 31/713
C12N 15/11
C12N 15/113
(11) EP2336317
(21) EP10011218.4
(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
(74) ir. W.J.J.M. Kempes
(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)
(47) 11.09.2019

(51) A61K 31/733
A61P 11/00
A61P 11/02
C08B 37/00
A23L 29/244
A23L 33/125
(11) EP3331537
(21) EP16745754.8
(22) 02.08.2016
(54) PROPHYLACTIC USE OF INULIN AGAINST SINUSITIS
(73) Südzucker AG
(72) THEIS, Stephan
SIELAND, Carolin
(74) ir. H.J.G. Lips c.s.
(31) 15179726
(32) 04.08.2015
(33) European Patent Office (EPO)
(47) 09.10.2019

(51) A61K 35/74
A23K 10/18
A23K 20/24
A23K 50/40
(11) EP2464362
(21) EP10808015.1
(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
(74) ir. A.R. Aalbers
(31) 20095836
(32) 12.08.2009
(33) Finland
(47) 11.09.2019

(51) A61K 36/9068
A61P 35/00
(11) EP2908836
(21) EP13740296.2
(22) 24.07.2013
(54) PHARMACEUTICAL FORMULATION CONTAINING CURCUMA
(73) BRIU GmbH
(72) ROSE, Uwe-Bernd
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102012219219
(32) 22.10.2012
(33) Germany
(47) 11.09.2019

(51) A61K 38/00
A61P 35/00
C07K 16/28
C07K 16/30
(11) EP2958943
(21) EP14713280.7
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361767071 P
201361888255 P
(32) 20.02.2013
08.10.2013
(33) United States of America
United States of America
(47) 11.09.2019

(51) A61K 38/28

G01N 33/68
C12Q 1/6883
(11) EP3271730
(21) EP16722417.9
(22) 21.03.2016
(54) NOVEL MARKER FOR GESTATIONAL DIABETES
(73) IQ Products B.V.
(72) SCHUITEMAKER, Joost Henric Nicolaas
CREMERS, Thomas Ivo Franciscus Hubert
(74) ir. H.A. Witmans c.s.
(31) 2014501
(32) 20.03.2015
(33) Netherlands
(47) 09.10.2019

(51) A61K 39/00
A61K 39/04
C07K 14/35
C12Q 1/6869
(11) EP2673638
(21) EP12703872.7
(22) 10.02.2012
(54) MUTANT PORES
(73) Oxford Nanopore Technologies Limited
(72) CLARKE, James
HERON, Andrew John
JAYASINGHE, Lakmal
WALLACE, Jayne
WHITE, James
(74) dr. W.A.H.M. Van Borm
(31) 201161441718 P
(32) 11.02.2011
(33) United States of America
(47) 30.10.2019

(51) A61K 39/00
A61K 39/39
(11) EP3310379
(21) EP16736381.1
(22) 16.06.2016
(54) VEGFR-2 TARGETING DNA VACCINE FOR COMBINATION THERAPY
(73) Vaximm AG
(72) LUBENAU, Heinz
(74) M.L. Huisman
(31) 15001803
(32) 18.06.2015
(33) European Patent Office (EPO)
(47) 06.11.2019

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

(51) A61K 39/095
C12N 1/00
(11) EP2613805
(21) EP11764868.3
(22) 09.09.2011
(54) MENINGOCOCCUS OVEREXPRESSING NADA AND/OR NHBA AND OUTER MEMBRANE VESICLES DERIVED THEREFROM
(73) GlaxoSmithKline Biologicals SA
(72) SERRUTO, Davide
PIZZA, Mariagrazia
DELANY, Isabel
(74) ir. F.A. Geurts c.s.
(31) 201161429673 P
381859 P
(32) 04.01.2011
10.09.2010
(33) United States of America
United States of America
(47) 23.10.2019

(51) A61K 39/39
C07H 11/00
C07H 13/06
(11) EP3193923
(21) EP15751144.5
(22) 24.07.2015
(54) ADJUVANTS
(73) Litevax B.V.
(72) HILGERS, Lucas A. Th.
PLATENBURG, Peter Paul L. I.
VAN DEN BOSCH, Johannes F.
(74) ir. H.A. Witmans c.s.
(31) 2013257
(32) 24.07.2014
(33) Netherlands
(47) 18.09.2019

(51) A61K 39/395
A61P 25/28
C07K 16/18
G01N 33/577
(11) EP3339323
(21) EP18150424.2
(22) 09.08.2011
(54) ANTI-N3PGLU AMYLOID BETA PEPTIDE ANTIBODIES AND USES THEREOF
(73) ELI LILLY AND COMPANY
(72) Demattos, Ronald Bradley
Lu, Jirong
Tang, Ying
(74) ir. J.C. Volmer c.s.
(31) 373026 P
(32) 12.08.2010
(33) United States of America
(47) 13.11.2019

(51) A61K 49/10
(11) EP2950826
(21) EP14704304.6
(22) 30.01.2014
(54) HYPERPOLARIZED ESTERS AS METABOLIC MARKERS IN MRI
(73) Bracco Imaging S.p.A
(72) JENSEN, Pernille Rose
LERCHE, Mathilde H.
KARLSSON, Magnus
CABELLA, Claudia
COLOMBO SERRA, Sonia
MIRAGOLI, Luigi
VENTURI, Luca
TEDOLDI, Fabio
(74) ir. W.J.J.M. Kempes
(31) 13153469
(32) 31.01.2013
(33) European Patent Office (EPO)
(47) 18.09.2019

(51) A61L 2/14
H05H 1/24
(11) EP3021875
(21) EP14752949.9
(22) 07.07.2014
(54) SYSTEM FOR REDUCING GERMS BY MEANS OF PLASMA
(73) Relyon Plasma GmbH
(72) NETTESHEIM, Stefan
(74) ir. H.Th. van den Heuvel c.s.
(31) 102013107448
(32) 15.07.2013
(33) Germany
(47) 18.09.2019

(51) A61L 2/18
(11) EP3253422
(21) EP15813435.3
(22) 18.12.2015
(54) CLEANING DEVICE FOR SMALL PARTS
(73) Netzhammer, Eric
(72) Netzhammer, Eric
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 19732014
(32) 18.12.2014
(33) Switzerland
(47) 04.09.2019

(51) A61L 24/00
A61L 24/08
A61L 26/00
A61L 27/20
(11) EP3060265
(21) EP14793730.4
(22) 23.10.2014
(54) CHITOSAN STENTING PASTE
(73) Medtronic Xomed, Inc.
(72) MEDINA, Jennifer Gates
SHERMAN, Ethan Glenn
(74) ir. F.A. Geurts c.s.
(31) 201314061993
201414319901
(32) 24.10.2013
30.06.2014
(33) United States of America
United States of America
(47) 27.11.2019

(51) A61L 27/00
(11) EP2543398
(21) EP11750647.7
(22) 01.03.2011
(54) CELL SUPPORT AND BONE REGENERATION MATERIAL
(73) FUJIFILM Corporation
(72) NAKAMURA Kentaro
NAKAMURA Masaki
(74) ir. H.A. Witmans c.s.
(31) 2010224627

2010045050
(32) 04.10.2010
02.03.2010
(33) Japan
Japan
(47) 16.10.2019

(51) A61L 27/34
A61L 27/56
A61L 31/14
A61F 2/82
(11) EP2804637
(21) EP13738588.6
(22) 15.01.2013
(54) ROTATIONAL SPUN MATERIAL COVERED MEDICAL APPLIANCES AND METHODS OF MANUFACTURE
(73) Merit Medical Systems, Inc.
(72) HALL, John William
ELLER, Zeke
KELLAR, Robert S.
SIMMONS, Rachel Lynn
DOLMATCH, Bart
MOWER, Wayne L.
RADFORD, Robert J.
(31) 201261587088 P
201261637693 P
201261672633 P
(32) 16.01.2012
24.04.2012
17.07.2012
(33) United States of America
United States of America
United States of America
(47) 25.09.2019

(51) A61M 1/00
A61M 27/00
G01C 15/00
(11) EP2560724
(21) EP11717417.7
(22) 18.04.2011
(54) ACCELEROMETER BASED LASER LEVELING DEVICE
(73) Medtronic Xomed, Inc.
(72) MURPHY, John M.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 763335
(32) 20.04.2010
(33) United States of America
(47) 04.09.2019

(51) A61M 1/06
(11) EP2968713
(21) EP14768887.3
(22) 14.03.2014
(54) SMALL-VOLUME COLLECTION FOR A BREASTPUMP SYSTEM
(73) Medela Holding AG
(72) GIST, Jahi
SILVER, Brian, H.
BAUER, Ryan
CHO, David
SALLADE, Ron
MIZUCHI, Kathryn
(74) dr. A. Ellens c.s.
(31) 201361786176 P
(32) 14.03.2013
(33) United States of America
(47) 02.10.2019

(51) A61M 11/00
A61M 15/00
A61M 35/00
B05B 11/00
B05B 17/00
(11) EP3302658
(21) EP16731423.6
(22) 03.06.2016
(54) FLUID DELIVERY DEVICES
(73) Novopyxis, Inc.
(72) GAVINI, Madhavi
SRINIVAS, Rathi, L.
SRINIVAS, Raja
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201562170216 P
(32) 03.06.2015
(33) United States of America
(47) 04.09.2019

(51) A61M 11/02
A61M 15/00
A61M 16/00
B05B 11/00
B05B 12/02
B05B 12/12
B05B 12/00
(11) EP3108966
(21) EP16020261.0
(22) 01.06.2011
(54) INHALER
(73) Boehringer Ingelheim International GmbH
(72) Wachtel, Herbert
Jung, Andree
(74) ir. F.A. Geurts c.s.
(31) 10006334
(32) 18.06.2010
(33) European Patent Office (EPO)
(47) 09.10.2019

(51) A61M 15/00
(11) EP3090773
(21) EP16167547.5
(22) 03.12.2013
(54) DEVICES AND METHODS FOR PUNCTURING A CAPSULE TO RELEASE A POWDERED MEDICAMENT THEREFROM
(73) Civitas Therapeutics, Inc.
(72) ELLWANGER, Colleen
NOBLE, Brian
COKER, Tim
PLUNKETT, Sean
(74) J.M.H. Duyver lic.
(31) 201261733117 P
201213719598
(32) 04.12.2012
19.12.2012
(33) United States of America
United States of America
(47) 18.09.2019

(51) A61M 16/00
A61M 16/20
(11) EP3035988
(21) EP14837749.2
(22) 21.08.2014
(54) OSCILLATING POSITIVE RESPIRATORY PRESSURE DEVICE
(73) Trudell Medical International
(72) MEYER, Adam
ENGELBRETH, Dan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361868667 P
(32) 22.08.2013
(33) United States of America
(47) 09.10.2019

(51) A61M 25/06
A61F 2/06
A61F 2/91
A61F 2/95
A61F 2/958
A61M 25/10
(11) EP2227186
(21) EP08852999.5
(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
(74) ir. W.J.J.M. Kempes
(31) 0759269
(32) 23.11.2007
(33) France
(47) 11.09.2019

(51) A61M 39/12
B29C 65/00
B29C 65/14
B29C 65/48
B29C 65/54
B29L 23/00
F16L 47/02
(11) EP2990183
(21) EP15180183.4
(22) 07.08.2015
(54) PROCESS FOR THE MANUFACTURE OF AN IMPERMEABLE CONNECTION BETWEEN AT LEAST TWO FLUID CARRYING SILICONE HOSE COMPONENTS AND A FLUID CARRYING ASSEMBLY MANUFACTURED ACCORDING TO SAID PROCESS
(73) RAUMEDIC AG
(72) Gläsel, Björn
Prescher, Jörg
Wunderlich, Axel
Reichenberger, Robert
(74) ir. J.C. Volmer c.s.
(31) 102014216329
(32) 18.08.2014
(33) Germany
(47) 02.10.2019

(51) A61M 39/22
(11) EP3260162
(21) EP16175951.9
(22) 23.06.2016
(54) AUTOMATIC VALVE BREAKING DEVICE WITH DOCUMENTATION AND CONTROL OF THE BREAKING PROCESS
(73) LMB Technologie GmbH
(72) Jentsch, Klaus
(74) ir. H.A. Witmans c.s.
(47) 18.09.2019

(51) A61N 1/36
A61N 5/06
(11) EP3183030

(21) EP15787235.9
(22) 30.10.2015
(54) DEVICE FOR EFFECTIVE INVASIVE DESYNCHRONIZING NEUROSTIMULATION
(73) Forschungszentrum Jülich GmbH
(72) TASS, Peter Alexander
POPOVYCH, Oleksandr
XENAKIS, Markos
(74) ir. A.R. Aalbers
(31) 102014115994
(32) 03.11.2014
(33) Germany
(47) 11.09.2019

(51) A61P 17/06
C07K 16/28
(11) EP3126392
(21) EP15714136.7
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(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
(47) 11.09.2019

(51) A61P 25/28
C12N 15/113
(11) EP2906696
(21) EP13846313.8
(22) 15.10.2013
(54) METHODS FOR MODULATING C9ORF72 EXPRESSION
(73) Ionis Pharmaceuticals, Inc.
Ludwig Institute for Cancer Research
The Regents of the University of California
(72) RIGO, Frank
CLEVELAND, Don W.
LAGIER-TOURENNE, Clotilde
RAVITS, John M.
BENNETT, C. Frank
FREIER, SUSAN M.
BAUGHN, Michael W.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261714139 P
(32) 15.10.2012
(33) United States of America
(47) 09.10.2019

(51) A61P 35/00
C07K 16/28
A61K 47/68
(11) EP3055332
(21) EP14852834.2
(22) 08.10.2014
(54) ANTI-FOLR1 IMMUNOCONJUGATE DOSING REGIMENS
(73) ImmunoGen, Inc.
(72) LUTZ, Robert J.
PONTE, Jose
(74) J.M.H. Duyver lic.
(31) 201361888337 P
201361888365 P
201461948363 P
201462004815 P
(32) 08.10.2013
08.10.2013
05.03.2014
29.05.2014
(33) United States of America
United States of America
United States of America
United States of America
(47) 25.09.2019

(51) A61Q 13/00
C07C 255/07
C11B 9/00
(11) EP3183231
(21) EP15834026.5
(22) 19.08.2015
(54) PERFUME COMPOSITIONS CONTAINING ISOMERIC ALKADIENENITRILES
(73) Bedoukian Research, Inc.
(72) BEDOUKIAN, Robert H.
SWIERCZEK, Krzysztof
PESAK, Douglas Jay
ANSARI, Hifzur R.
(74) ir. F.A. Geurts c.s.
(31) 201462039668 P
(32) 20.08.2014
(33) United States of America
(47) 09.10.2019

(51) A62C 31/03
B05B 1/30
B05B 1/34
(11) EP3031531
(21) EP15198624.7
(22) 09.12.2015
(54) LIQUID JET NOZZLE CLOSURE
(73) Aebi Schmidt Nederland BV
(72) Boode, Willem Frederik
Bijma, Antonie
Pauwels, Richard
(74) ir. H.A. Witmans c.s.
(31) 102014018130
(32) 09.12.2014
(33) Germany
(47) 23.10.2019

(51) A63B 22/14
A63B 22/16
A63B 23/12
A63B 26/00
(11) EP2653196
(21) EP13150819.4
(22) 10.01.2013
(54) Exercise machine with unstable user support
(73) Hoist Fitness Systems, Inc.
(72) Hockridge, Bruce
Meredith, Jeffrey O.
Doan, Thao V.
(74) J.M.H. Duyver lic.
(31) 201261625228 P
201213491256
(32) 17.04.2012
07.06.2012
(33) United States of America
United States of America
(47) 16.10.2019

(51) A63B 69/36
B25J 13/08
B25J 19/02
G01S 5/16
G01S 11/12
G01S 17/87
G06F 3/046
(11) EP2391905
(21) EP10735452.4
(22) 27.01.2010
(54) A METHOD AND APPARATUS FOR RANGING FINDING, ORIENTING, AND/OR POSITIONING OF SINGLE AND/OR MULTIPLE DEVICES
(73) Xyz Interactive Technologies Inc.
(72) LOHBIHLER, Andrew, H.
(74) dr. A. Krebs
(31) 147711 P
(32) 27.01.2009
(33) United States of America
(47) 20.11.2019

(51) A63D 1/00
A63D 5/00
E04B 5/43
E04F 15/02
E04H 3/14
(11) EP3024557
(21) EP14829587.6
(22) 18.07.2014
(54) COVERING STRUCTURE AND CONVERSION SYSTEM FOR BOWLING CENTERS
(73) System-300 Group OY
(72) KIURU, Olli
SIEVÄNEN, Mikko
HIETALA, Joni
(74) J.M.H. Duyver lic.
(31) 20135795
(32) 26.07.2013
(33) Finland
(47) 04.09.2019

(51) A63G 31/02
A63G 31/10
(11) EP3240617
(21) EP15876219.5
(22) 30.12.2015
(54) SYSTEM FOR A TILTING AMUSEMENT RIDE
(73) Montparnasse 56 USA LLC
(72) SINN, Robert
PERONTO, John
(74) ir. W.J.J.M. Kempes
(31) 201462098223 P
(32) 30.12.2014
(33) United States of America
(47) 09.10.2019

(51) A63H 27/10
F21S 10/06
A63J 99/00
(11) EP3263198
(21) EP17176954.0
(22) 20.06.2017

(54) DISCO BALL
(73) Mittelberger, Rafael
(72) Mittelberger, Rafael
(74) J. Hoekstra
(31) 102016111760
(32) 27.06.2016
(33) Germany
(47) 11.09.2019

(51) B01D 3/08
B01D 3/30
B01F 3/04
B01J 19/18
B01J 19/28
B01J 19/30
B01J 19/32
(11) EP3456397
(21) EP18000606.6
(22) 18.07.2018
(54) MATERIAL EXCHANGE MACHINE
(73) JULIUS MONTZ GmbH
(72) Schulz, Robin
Zich, Egon
Jansen, Helmut
Hugen, Thorsten Erik Alexander
(74) ir. A. Blokland c.s.
(31) 102017008628
(32) 14.09.2017
(33) Germany
(47) 13.11.2019

(51) B01D 3/26
B01D 5/00
B01D 53/00
C10B 53/07
F23G 5/027
F23G 7/12
(11) EP3186556
(21) EP15757221.5
(22) 27.08.2015
(54) IMPROVEMENTS RELATING TO PYROLYSIS REACTOR SYSTEMS
(73) Plastic Energy Limited
(72) MCNAMARA, David
MURRAY, Michael
(74) ir. H.J.G. Lips c.s.
(31) 14182622
(32) 28.08.2014
(33) European Patent Office (EPO)
(47) 23.10.2019

(51) B01D 15/12
B01D 15/14
G01N 30/06
G01N 30/18
G01N 33/00
G01N 35/10
(11) EP2577284
(21) EP11721243.1
(22) 24.05.2011
(54) APPARATUS FOR PREPARING A SAMPLE
(73) Gerstel Systemtechnik GmbH & Co. KG
(72) SANDRA, Patrick
TIENPONT, Bart
DAVID, Frank
SANDRA, Tom
SANDRA, Koen
(74) ir. J.C. Volmer c.s.
(31) 102010022016
(32) 29.05.2010
(33) Germany
(47) 02.10.2019

(51) B01D 15/20
B01D 15/38
C07K 1/22
(11) EP3141556
(21) EP16187836.8
(22) 08.09.2016
(54) METHODS OF EVALUATING QUALITY OF A CHROMATOGRAPHY MEDIA WHICH BINDS ANTI-A OR ANTI-B ANTIBODIES
(73) Merck Patent GmbH
(72) STONE, Matthew T.
BIAN, Nanying
RAHANE, Santosh
(74) dr. W.A.H.M. Van Borm
(31) 201562215423 P
(32) 08.09.2015
(33) United States of America
(47) 30.10.2019

(51) B01D 17/00
B01D 17/022
B01D 17/038
B01D 39/02
C02F 1/40
C10G 5/04
C10G 33/06
C10K 1/00
C10K 1/18
(11) EP3257917
(21) EP15881436.8
(22) 04.05.2015
(54) STEP-BY-STEP OIL-WATER MIXTURE SEPARATION METHOD COUPLED WITH OIL GAS WASHING
(73) East China University Of Science And Technology
(72) YANG, Qiang
LU, Hao
XU, Xiao
LIU, Sen
WANG, Chaoyang
(74) J.M.H. Duyver lic.
(31) 201510066985
(32) 09.02.2015
(33) China
(47) 18.09.2019

(51) B01D 21/00
C12M 1/00
C12M 1/107
(11) EP3060643
(21) EP14789223.6
(22) 21.10.2014
(54) METHOD AND DEVICE FOR SEPARATING HEAVY COMPONENTS FROM A HIGH VISCOSITY STARTING SUBSTRATE OF BIOGAS PLANTS
(73) Ellmann Engineering (EE) GmbH
(72) ELLMANN, Reik
(74) ir. A. Blokland c.s.
(31) 102013111592
(32) 21.10.2013
(33) Germany
(47) 04.12.2019

(51) B01D 53/14
B01D 53/46
B01D 53/96
(11) EP2667958
(21) EP12739874.1
(22) 24.01.2012
(54) METHOD FOR REMOVING HEAT STABLE BASE SALTS FROM A CONTAMINATED BASIC SOLUTION
(73) Electrosep Technologies Inc.
(72) PARISI, Paul
(74) ir. W.J.J.M. Kempes
(31) 201161435629 P
(32) 24.01.2011
(33) United States of America
(47) 18.09.2019

(51) B01D 53/50
B01J 20/04
B01J 20/28
C04B 2/10
(11) EP2922614
(21) EP13828813.9
(22) 25.11.2013
(54) SORBENT COMPOSITION AND METHOD FOR CONTROLLING THE EMISSION OF POLLUTING SUBSTANCES IN A GASEOUS EFFLUENT PRODUCED BY A COMBUSTION PROCESS
(73) Unicalce S.p.A.
(72) MORESCHI, Roberto
MARRAS, Roberto
(74) ir. W.J.J.M. Kempes
(31) MI20122007
(32) 26.11.2012
(33) Italy
(47) 06.11.2019

(51) B01D 53/68
B01D 53/70
C01B 7/07
C07C 17/389
(11) EP3452206
(21) EP17721773.4
(22) 11.04.2017
(54) HYDROCHLORIC ACID PURIFICATION PROCESS AND PLANT
(73) Arkema France
(72) LAUNAY, Marianne
EMERY, Irène
BIDET, David Jean-Léopold
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1654010
(32) 03.05.2016
(33) France
(47) 06.11.2019

(51) B01F 7/00
B01F 15/00
F16J 15/06
F16J 15/3236
(11) EP2990101
(21) EP14182889.7
(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
(74) ir. W.J.J.M. Kempes
(47) 11.09.2019

(51) B01J 8/00
B01J 8/44

B01J 19/30
B01J 19/32
(11) EP3317008
(21) EP16738937.8
(22) 26.06.2016
(54) A FLUID SOLIDS CONTACTING DEVICE
(73) Dow Global Technologies LLC
(72) PRETZ, Matthew T.
SANDOVAL, Fermin A.
SHAW, Don F.
(74) ir. J.D. de Zeeuw
(31) 201514755008
(32) 30.06.2015
(33) United States of America
(47) 04.09.2019

(51) B01J 20/02
B01J 20/04
B01J 20/16
B01J 20/28
C02F 1/28
(11) EP3112023
(21) EP16150231.5
(22) 05.01.2016
(54) ADSORPTION MATERIAL AND METHOD OF FABRICATING THE SAME
(73) Industrial Technology Research Institute
(72) TSAI, Chia-Lin
TSAI, Cheng-Kuo
HUNG, Huan-Yi
LIU, Pang-Hung
TAI, Hsien-Hui
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 104120915
(32) 29.06.2015
(33) Taiwan, Province of China
(47) 02.10.2019

(51) B01J 21/04
B01J 23/10
B01J 23/63
B01J 35/00
B01J 35/10
B01J 37/03
(11) EP2731710
(21) EP12740471.3
(22) 13.07.2012
(54) METHOD FOR PRODUCING COMPOSITES OUT OF ALUMINIUM OXIDE AND CERIUM/ZIRCONIUM MIXED OXIDES
(73) SASOL Germany GmbH
(72) SCHÖNEBORN, Marcos
GLÖCKLER, Reiner
PAEGER, Anja
(74) ir. W.J.J.M. Kempes
(31) 102011107702
11009902
(32) 14.07.2011
16.12.2011
(33) Germany
European Patent Office (EPO)
(47) 04.09.2019

(51) B01J 29/00
B01J 29/04
B01J 29/06
(11) EP2498907
(21) EP10822478.3
(22) 04.10.2010
(54) PHOSPHORUS-CONTAINING ZEOLITE CATALYSTS AND THEIR METHOD OF PREPARATION
(73) Saudi Basic Industries Corporation
(72) GHOSH, Ashim, Kumar
KULKARNI, Neeta
HARVEY, Pamela
(74) ir. J.C. Volmer c.s.
(31) 573249
(32) 05.10.2009
(33) United States of America
(47) 20.11.2019

(51) B01J 29/70
B01J 35/02
(11) EP2051805
(21) EP07796557.2
(22) 28.06.2007
(54) A MCM-22 FAMILY MOLECULAR SIEVE COMPOSITION, ITS METHOD OF MAKING, AND USE FOR HYDROCARBON CONVERSIONS
(73) ExxonMobil Chemical Patents Inc.
(72) LAI, Wenyih, Frank
KAY, Robert, Ellis
KALYANARAMAN, Mohan
(74) ir. W.J.J.M. Kempes
(31) 834010 P
834115 P
(32) 28.07.2006
28.07.2006
(33) United States of America
United States of America
(47) 02.10.2019

(51) B01J 29/85
C01B 39/54
C07C 1/20
(11) EP2021126
(21) EP07752610.1
(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.
(74) ir. W.J.J.M. Kempes
(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
(47) 11.09.2019

(51) B01J 31/02
C08J 11/02
C08J 11/28
(11) EP3237512
(21) EP15841111.6
(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
(74) ir. P.J. Hylarides c.s.
(31) 2014048
2014050
(32) 23.12.2014
23.12.2014
(33) Netherlands
Netherlands
(47) 11.09.2019

(51) B01J 31/22
C07C 1/213
C07C 6/04
C07C 67/333
C07C 67/475
C07D 307/28
C07F 7/08
C07F 11/00
C08G 61/00
C08G 61/08
(11) EP3394074
(21) EP16829085.6
(22) 23.12.2016
(54) IMMOBILIZED METAL ALKYLIDENE CATALYSTS AND USE THEREOF IN OLEFIN METATHESIS
(73) XiMo AG
(72) COPERET, Christophe
MOUGEL, Victor
PUCCINO, Margherita
BUCHMEISER, Michael
SCHOWNER, Roman
HEGEDUS, Csaba
TOTH, Florian
(74) M.L. Huisman
(31) 15003700
(32) 23.12.2015
(33) European Patent Office (EPO)
(47) 09.10.2019

(51) B01L 3/00
C12N 15/10
C12Q 1/18
G01N 33/483
C12Q 1/6806
C12Q 1/6841
C12Q 1/6874
(11) EP3167044
(21) EP15818165.1
(22) 12.06.2015
(54) MICROFLUIDIC DEVICE
(73) Astrego Diagnostics AB
(72) ELF, Johan
BALTEKIN, Özden
ANDERSSON, Dan I.
(74) ir. W.J.J.M. Kempes
(31) 1450860
PCT/SE2015/050227
(32) 07.07.2014
27.02.2015
(33) Sweden
World Intellectual Property Office (WIPO)
(47) 09.10.2019

(51) B05D 1/26
H01L 21/56
H01L 23/00
(11) EP2466630
(21) EP10808171.2

(22) 06.08.2010
(54) METHOD FOR APPLYING LIQUID MATERIAL, APPLICATION DEVICE AND PROGRAMME
(73) Musashi Engineering, Inc.
(72) IKUSHIMA, Kazumasa
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2009186349
(32) 11.08.2009
(33) Japan
(47) 02.10.2019

(51) B07C 5/342
B26D 5/34
G01N 21/88
(11) EP2598860
(21) EP11743039.7
(22) 08.07.2011
(54) METHOD, SENSOR UNIT AND MACHINE FOR DETECTING "SUGAR TOP" DEFECTS IN POTATOES
(73) Insort GmbH
(72) BURGSTALLER, Markus
KERSCHHAGGL, Peter
GROINIG, Marcus
(74) J.M.H. Duyver lic.
(31) 47310 U
(32) 27.07.2010
(33) Austria
(47) 26.06.2019

(51) B08B 15/04
B23Q 11/00
E21B 21/015
(11) EP3277458
(21) EP16714516.8
(22) 30.03.2016
(54) A CUTTING JIG
(73) Zuma Array Limited
(72) COOK, Susan
DE SAULLES, Stephen
(74) ir. H.J.G. Lips c.s.
(31) 201505513
(32) 31.03.2015
(33) United Kingdom
(47) 11.09.2019

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

(51) B21B 1/088
B21B 1/09
B21B 1/092
B21B 1/095
B21B 1/098
C21D 7/13
(11) EP2689044
(21) EP12727187.2
(22) 16.05.2012
(54) HOT -ROLLED HIGH - STRENGTH STEEL STRUCTURAL MEMBERS AND METHOD OF FABRICATION
(73) CONSOLIDATED METAL PRODUCTS, INC.
(72) GALLAGHER, Hugh, M.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201113243352
(32) 23.09.2011
(33) United States of America
(47) 02.10.2019

(51) B21C 37/15
B21D 39/04
F16L 1/20
F16L 9/02
F16L 58/08
F16L 58/10
(11) EP3237790
(21) EP15839102.9
(22) 18.12.2015
(54) IMPROVING THE BENDING BEHAVIOUR OF MECHANICALLY-LINED RIGID PIPE
(73) Acergy France SAS
(72) TOGUYENI, Grégory Alexandre
(74) ir. H.Th. van den Heuvel c.s.
(31) 201423227
(32) 24.12.2014
(33) United Kingdom
(47) 18.09.2019

(51) B21D 7/022
B21D 7/06
(11) EP3150295
(21) EP15800426.7
(22) 22.05.2015
(54) MACHINE AND METHOD FOR THE SEMI-CONTINUOUS COLD-BENDING OF SECTIONS WITH LOW DUCTILITY
(73) Inmotec Asesoria Tecnica S.L.
(72) PEREZ GONZALEZ, Ana
(74) ir. G.J.M. Verhees
(31) 201430817
(32) 29.05.2014
(33) Spain
(47) 04.09.2019

(51) B22D 7/00
C22C 9/02
C22C 9/04
C22C 9/06
C22F 1/00
C22F 1/08
C23C 28/02
C25D 3/12
C25D 3/20
C25D 3/30
C25D 3/38
C25D 5/10
C25D 5/12
C25D 5/34
C25D 5/50
C25D 7/00
H01R 13/03
(11) EP3106546
(21) EP15749499.8
(22) 13.02.2015
(54) COPPER ALLOY SHEET STRIP WITH SURFACE COATING LAYER EXCELLENT IN HEAT RESISTANCE
(73) Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)
(72) TSURU, Masahiro
HASHIMOTO, Daisuke
(74) ir. H.A. Witmans c.s.
(31) 2014025495
(32) 13.02.2014
(33) Japan
(47) 27.11.2019

(51) B22F 5/00
B22F 5/04
F04D 29/02
F04D 29/22
F04D 29/28
F04D 29/30
(11) EP3164605
(21) EP15732738.8
(22) 02.07.2015
(54) MANUFACTURING OF A TURBOMACHINE IMPELLER BY ASSEMBLING A PLURALITY OF TUBULAR COMPONENTS
(73) Nuovo Pignone S.r.l.
(72) MOLA, Paolo
MASI, Gabriele
PATEL, Mihirkumar Pravinbhai
TOGNARELLI, Leonardo
IOZZELLI, Federico
(31) FI20140160
(32) 04.07.2014
(33) Italy
(47) 27.03.2019

(51) B23Q 39/02
B27C 9/00
B27M 1/08
(11) EP3238876
(21) EP16167809.9
(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
(74) J.M.H. Duyver lic.
(47) 11.09.2019

(51) B25B 5/06
(11) EP3328587
(21) EP16757700.6
(22) 29.07.2016
(54) DEVICE FOR CLAMPING A PART TO A TOOL
(73) Boiteux, Christophe
(72) Boiteux, Christophe
(74) drs. C.M.A. Quintelier
(31) 1557358
(32) 31.07.2015
(33) France
(47) 11.09.2019

(51) B25B 27/00
B25B 27/02
B25B 27/06
(11) EP3424644
(21) EP17179578.4
(22) 04.07.2017

(54) BALL-AND-SOCKET JOINT PULLER
(73) Wallmek i Kungälv AB
(72) WALLMAN, Niklas
HASSELSKOG, Martin
JOHANSSON, Sten
(74) ir. F.A. Geurts c.s.
(47) 13.11.2019

(51) B25J 9/00
B25J 9/08
(11) EP3278938
(21) EP17175677.8
(22) 13.06.2017
(54) WEARABLE APPARATUS FOR ASSISTING A HUMAN WHEN PERFORMING A LOAD-INVOLVED TASK
(73) Airbus Operations GmbH
(72) KROHNE, Ingo
GOEHLICH, Robert Alexander
WEIDNER, Robert
YAO, Zhejun
FETTE, Marc
WULFSBERG, Jens
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102016214432
(32) 04.08.2016
(33) Germany
(47) 06.11.2019

(51) B25J 9/16
B25J 13/02
B25J 19/00
G01B 5/008
G01B 5/012
G01B 7/008
G01B 21/04
(11) EP2610582
(21) EP13161820.9
(22) 05.11.2010
(54) Improved articulated arm
(73) Hexagon Technology Center GmbH
(72) Ferrari, Paul
Champ, Peter
Desforges, Laurent
Delemos, Jean-Paul
Duportal, Thibault
Famechon, Jean-Luc
Gerent, Jerry
Hong, Dongmei
Lippuner, Heinz
Roux, Denny
Shammas, Elie
Siercks, Knut
Tait, Hogar
(74) ir. H.A. Witmans c.s.
(31) 259105 P
748267
748243
748278
748169
748206
(32) 06.11.2009
26.03.2010
26.03.2010
26.03.2010
26.03.2010
26.03.2010
(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
(47) 30.10.2019

(51) B25J 9/16
G01B 5/008
G01B 21/04
(11) EP2610581
(21) EP13161819.1
(22) 05.11.2010
(54) METHOD FOR CALIBRATING AN ARTICULATED ARM CMM AND CORRESPONDING ARTICULATED ARM CMM SYSTEM
(73) Hexagon Technology Center GmbH
(72) Ferrari, Paul
Champ, Peter
Desforges, Laurent
Delemos, Jean-Paul
Duportal, Thibault
Famechon, Jean-Luc
Gerent, Jerry
Hong, Dongmei
Lippuner Heinz
Roux, Denis
Shammas, Elie
Siercks, Knut
Tait, Hogar
(74) ir. H.A. Witmans c.s.
(31) 259105 P
748267
748243
748278
748169
748206
(32) 06.11.2009
26.03.2010
26.03.2010
26.03.2010
26.03.2010
26.03.2010
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
(47) 23.10.2019

(51) B25J 9/16
G05B 19/401
(11) EP2865497
(21) EP14189926.0
(22) 22.10.2014
(54) Grinding robot for the hull of a vessel and method for grinding a ship's hull
(73) Freese AG
(72) Morschheuser, Markus
Bangert, Patrick
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102013221431
(32) 22.10.2013
(33) Germany
(47) 02.10.2019

(51) B26B 21/22
B26B 21/52
(11) EP3110600
(21) EP14739394.6
(22) 10.07.2014
(54) A RAZOR HANDLE COMPRISING INSERTS WITHIN HOLES AND RAZOR COMPRISING SUCH A RAZOR HANDLE
(73) BIC-Violex S.A.
(72) GRATSIAS, Spiros
PSIMADAS, Ioannis-Marios
GEORGAKIS, Georgios
CHRISTOFIDELLIS, Efstratios
(74) dr. W.A.H.M. Van Borm
(31) PCT/EP2014/054008
(32) 28.02.2014
(33) World Intellectual Property Office (WIPO)
(47) 30.10.2019

(51) B26D 1/08
B26D 5/00
B41J 11/70
(11) EP3386689
(21) EP16816144.6
(22) 07.12.2016
(54) CUTTER ACCESSORY FOR PRINTING SYSTEM
(73) Avery Dennison Retail Information Services, LLC
(72) WILLIAMS, Larri
NEUHARD, Lance D.
ENTINGH, Timothy
JOHNSON, Kelly
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201562263974 P
(32) 07.12.2015
(33) United States of America
(47) 02.10.2019

(51) B29B 9/06
B29B 13/06
B29K 23/00
C08F 2/16
C08F 2/20
C08F 210/12
C08J 3/07
C08J 3/14
C08K 5/098
C08L 23/22
(11) EP3087137
(21) EP14874289.3
(22) 22.12.2014
(54) NOVEL ANTI-AGGLOMERANTS FOR POLYISOBUTYLENE PRODUCTION
(73) BASF South East Asia Pte. Ltd.
(72) THOMPSON, David
LUND, Clinton
(74) ir. W.J.J.M. Kempes
(31) 13199466
14160738
14175025
14175977
(32) 23.12.2013
19.03.2014
30.06.2014
07.07.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
(47) 18.09.2019

(51) B29B 9/16
B29B 13/06
F02G 5/04

F26B 3/00
F26B 23/00
(11) EP2883672
(21) EP14004142.7
(22) 09.12.2014
(54) Plant and method for the treatment and/or processing of polymeric materials
(73) Motan Holding GmbH
(72) Breuer, Peter
Karl, Wolfgang
(74) ir. J.C. Volmer c.s.
(31) 102013021125
(32) 13.12.2013
(33) Germany
(47) 06.11.2019

(51) B29B 11/16
B29C 44/34
B29K 77/00
B29K 105/12
C08J 9/00
C08J 9/12
(11) EP2570454
(21) EP11780562.2
(22) 09.05.2011
(54) METHOD OF FOAM MOLDING OF RESIN REINFORCED WITH FLAT GLASS FIBERS
(73) Nitto Boseki CO., LTD.
(72) SATO Noriyoshi
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2010108170
(32) 10.05.2010
(33) Japan
(47) 18.09.2019

(51) B29B 17/02
C08J 11/08
C08L 67/02
C08L 77/02
(11) EP3374420
(21) EP16829234.0
(22) 09.11.2016
(54) PA/PET SEPARATION PROCESS
(73) Ioniqa Technologies B.V.
(72) VAN BERKUM, Susanne
CASTILLO, Sonja Irene-Marie Reginalde
(74) ir. P.J. Hylarides c.s.
(31) 2015749
(32) 09.11.2015
(33) Netherlands
(47) 30.10.2019

(51) B29C 51/46
B29C 65/00
B29C 65/18
B65B 9/04
B65B 25/06
B65B 31/02
B65B 47/02
B65B 47/10
B65B 51/10
B65B 51/14
B65B 57/00
B65B 57/18
B65B 59/00
(11) EP3331765
(21) EP16750436.4
(22) 08.08.2016
(54) PACKAGING MACHINE HAVING MOISTURE SENSOR
(73) MULTIVAC Sepp Haggenmüller SE & Co. KG
(72) EHRMANN, Elmar
BOTZENHARDT, Claus
HOLDERIED, Thomas
FELCH, Florian
ENDERLE, Tobias
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015214992
(32) 06.08.2015
(33) Germany
(47) 02.10.2019

(51) B29C 64/118
B29C 64/343
B29C 64/393
B29C 48/02
B29C 48/05
B29C 48/25
B29C 48/285
B29C 48/37
B29C 48/92
(11) EP3172026
(21) EP15745687.2
(22) 21.07.2015
(54) RIPPLE REDUCTION IN AN ADDITIVE MANUFACTURING SYSTEM
(73) Stratasys, Inc.
(72) LEAVITT, Paul J.
RICE, Andrew
HJELSAND, Timothy
(74) ir. A.R. Aalbers
(31) 201462027469 P
(32) 22.07.2014
(33) United States of America
(47) 25.09.2019

(51) B29C 64/165
(11) EP3094469
(21) EP14702207.3
(22) 16.01.2014
(54) GENERATING A THREE-DIMENSIONAL OBJECT
(73) Hewlett-Packard Development Company, L.P.
(72) DE PENA, Alejandro Manuel
COMAS CESPEDES, Esteve
BALDEZ, Luis
(74) dr. W.A.H.M. Van Borm
(47) 13.11.2019

(51) B29K 25/00
B29K 33/00
B29K 67/00
B29K 69/00
G02B 5/00
G02B 5/02
G02B 6/00
G02B 6/122
G02B 6/124
G02F 1/1335
G02F 1/13363
B29C 48/08
B29C 48/30
(11) EP2253465
(21) EP09718701.7
(22) 03.03.2009
(54) LAMINATED FILM
(73) Toray Industries, Inc.
(72) UTO, Takayuki
OSADA, Syunichi
(74) ir. H.A. Witmans c.s.
(31) 2008065317
(32) 14.03.2008
(33) Japan
(47) 04.09.2019

(51) B31B 50/46
(11) EP3362274
(21) EP16801562.6
(22) 12.10.2016
(54) FOLDING UNIT, FORMING MACHINE AND METHOD FOR FOLDING
(73) Teco S.r.l.
(72) CALDERONI, Pierpaolo
(74) ir. H.A. Witmans c.s.
(31) UB20154680
(32) 14.10.2015
(33) Italy
(47) 04.09.2019

(51) B32B 3/04
B32B 3/10
B32B 27/32
B65D 71/00
B65D 75/00
(11) EP3160728
(21) EP15731608.4
(22) 26.06.2015
(54) REINFORCED FILM FOR UNITIZATION OF GOODS
(73) MEGA PLAST Industrial - Exporting S.A.
(72) GATOS, Konstantinos G.
KARANDINOS, Anthony G.
(74) J.M.H. Duyver lic.
(31) 201411574
(32) 30.06.2014
(33) United Kingdom
(47) 06.11.2019

(51) B32B 5/02
B32B 7/12
B32B 27/06
B32B 27/08
B32B 27/32
B32B 37/10
B32B 37/12
B32B 7/00
B32B 7/04
(11) EP3012101
(21) EP13887326.0
(22) 20.06.2013
(54) UNI-DIRECTIONAL CLOTH, LAID FABRIC AND PREPARATION METHOD THEREOF, AND LAID FABRIC PRODUCT
(73) Zhengzhou Zhongyuan Defense Material Co., Ltd.
(72) YIN, Ruiwen
JI, Changgan
MA, Junying
(74) dr. A. Krebs
(47) 18.09.2019

(51) B32B 17/10
B32B 27/08
B32B 27/22
B32B 27/30
B32B 27/42
C03C 27/12
B32B 7/02
(11) EP3067336
(21) EP15737841.5

(22) 15.01.2015
(54) INTERLAYER FILM FOR LAMINATED GLASS, AND LAMINATED GLASS
(73) Sekisui Chemical Co., Ltd.
(72) IWAMOTO, Tatsuya
UCHIMURA, Yuji
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014005484
(32) 15.01.2014
(33) Japan
(47) 09.10.2019

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

(51) B41J 2/01
B41M 5/00
B41M 5/50
B41M 5/52
C09D 11/322
(11) EP3315310
(21) EP16814489.7
(22) 24.06.2016
(54) INKJET PRINTING METHOD AND WATER-BASED INK
(73) Kao Corporation
(72) WAKABAYASHI, Yuki
TAKENO, Hirotaka
(74) mr.ir. F.N. Ferro
(31) 2015127604
(32) 25.06.2015
(33) Japan
(47) 06.11.2019

(51) B41J 2/045
(11) EP3213919
(21) EP17154446.3
(22) 02.02.2017
(54) MITIGATING EFFECTS OF CROSSTALK IN AN INKJET HEAD
(73) Ricoh Company, Ltd.
(72) NISHIMURA, Hiroshi
NOBUMORI, Shogo
(74) ir. H.A. Witmans c.s.
(31) 201615058085
(32) 01.03.2016
(33) United States of America
(47) 23.10.2019

(51) B41J 2/045
B41J 2/21
B41J 25/308
B41J 29/393
(11) EP3233505
(21) EP15882840.0
(22) 18.02.2015
(54) ESTIMATION OF PEN TO PAPER SPACING
(73) Hewlett-Packard Development Company, L.P.
(72) SENDER BELETA, Jordi
SOLANO PALLAROL, Montserrat
CASALDALIGA ALBISU, Marcos
BORRELL BAYONA, M. Isabel
(74) dr. W.A.H.M. Van Borm
(47) 13.11.2019

(51) B41J 2/165
B41J 2/39
H04N 5/80
(11) EP3344459
(21) EP16759793.9
(22) 02.09.2016
(54) METHOD OF OPERATING AN INKJET PRINTHEAD
(73) Tonejet Limited
(72) CLIPPINGDALE, Andrew John
GREASTY, Robert James
HALLS, Jonathan James Michael
(74) J.M.H. Duyver lic.
(31) 15183573
(32) 02.09.2015
(33) European Patent Office (EPO)
(47) 06.11.2019

(51) B41J 2/175
(11) EP3112168
(21) EP15174900.9
(22) 01.07.2015
(54) LIQUID SUPPLY DEVICE
(73) Brother Kogyo Kabushiki Kaisha
(72) WANG, Yutao
OKAZAKI, Naoya
KANBE, Tomohiro
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 09.10.2019

(51) B41J 2/175
(11) EP3354468
(21) EP18160864.7
(22) 22.12.2011
(54) PRINTING FLUID CARTRIDGE AND PRINTING APPARATUS
(73) BROTHER KOGYO KABUSHIKI KAISHA
(72) KANBE, Tomohiro
TAKAGI, Yuki
NAKAMURA, Hirotake
(74) ir. P.J. Hylarides c.s.
(47) 04.09.2019

(51) B41J 2/21
B41J 11/00
B41J 11/46
B41J 15/04
B41J 25/00
(11) EP2857208
(21) EP14164665.3
(22) 15.04.2014
(54) Alignment of printheads in printing systems
(73) Ricoh Company, Ltd.
(72) Bell, Richard
Bildstein, Carl R.
Boland, Stuart J.
Johnson, Scott R.
Walker, Casey E.
(74) ir. H.A. Witmans c.s.
(31) 201313933582
(32) 02.07.2013
(33) United States of America
(47) 30.10.2019

(51) B41J 3/60
B41J 11/00
(11) EP2921307
(21) EP15158939.7
(22) 13.03.2015
(54) TREATED OBJECT MODIFYING APPARATUS, PRINTING APPARATUS, PRINTING SYSTEM, AND METHOD FOR MANUFACTURING A PRINTOUT
(73) Ricoh Company, Ltd.
(72) Tsubaki, Kengo
Katoh, Satoshi
(74) ir. H.A. Witmans c.s.
(31) 2014054230
2015020534
(32) 17.03.2014
04.02.2015
(33) Japan
Japan
(47) 02.10.2019

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

(51) B60G 5/00
B62D 21/02
B62D 55/065
B62D 55/104
B62D 55/116
B62K 25/20
B62K 25/24
B62K 25/26
(11) EP3138762
(21) EP15786590.8
(22) 22.04.2015
(54) TRAVELLING VEHICLE
(73) Yanmar Co., Ltd.
(72) MORIGUCHI, Kazuma
NIU, Hidekazu
AOKI, Hideaki
(74) mr. ir. J. van Breda c.s.
(31) 2014092252
2014092253
2014199464
2014199465
(32) 28.04.2014
28.04.2014
29.09.2014
29.09.2014
(33) Japan
Japan
Japan
Japan
(47) 02.10.2019

(51) B60H 1/32
F25D 11/00
F25D 21/00
(11) EP3187800
(21) EP16203448.2
(22) 12.12.2016
(54) A METHOD OF DECIDING WHEN TO TERMINATE A DEFROSTING CYCLE WITHIN A REFRIGERATED CONTAINER
(73) Maersk Line A/S
(72) Lukasse, Leijn Johannes Sjerp
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201570889
(32) 29.12.2015
(33) Denmark
(47) 09.10.2019

(51) B60J 7/06
B60J 7/10
(11) EP2998145
(21) EP15002718.3
(22) 21.09.2015
(54) CANVAS COVER
(73) European Trailer Systems GmbH
(72) Remmel, Roger
(74) ir. W.J.J.M. Kempes
(31) 202014007554 U
(32) 22.09.2014
(33) Germany
(47) 04.09.2019

(51) B60K 37/06
G02B 27/01
G06F 1/16
G06F 3/01
G06F 3/0488
(11) EP2801009
(21) EP12812924.4
(22) 17.12.2012
(54) SYSTEM FOR GAZE INTERACTION
(73) Tobii Technology AB
(72) CEDERLUND, Markus
GAVELIN, Robert
VENNSTRÖM, Anders
KAPLAN, Anders
OLSSON, Anders
SKOGÖ, Mårten
(31) 201261583013 P
201213646299
(32) 04.01.2012
05.10.2012
(33) United States of America
United States of America
(47) 02.10.2019

(51) B60L 50/60
(11) EP3277574
(21) EP15785062.9
(22) 05.10.2015
(54) INFLATABLE SURF BOARD WITH AN ELECTRIC DRIVE
(73) Lampuga GmbH
(72) KÖHNSEN, Benjamin
(74) J. Hoekstra
(31) 102014114549
102015103503
(32) 07.10.2014
10.03.2015
(33) Germany
Germany
(47) 20.11.2019

(51) B60P 3/04
(11) EP3333013
(21) EP17205837.2
(22) 07.12.2017
(54) TRAILER IN PARTICULAR FOR HORSE TRANSPORT
(73) Sirius Trailers BV
(72) VLOET, Antwin
BOUWHUIS, Fons
(74) ir. G.J.M. Verhees
(31) 2017961
2018265
(32) 08.12.2016
31.01.2017
(33) Netherlands
Netherlands
(47) 02.10.2019

(51) B60P 3/10
B60Q 1/30
(11) EP2905171
(21) EP14154319.9
(22) 07.02.2014
(54) TRAILER FOR TRANSPORTING A VEHICLE AND METHOD FOR PLACING A VEHICLE FOR TRANSPORT ON A TRAILER
(73) North Grade AB
(72) Fundin, Jörgen
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 02.10.2019

(51) B60P 3/14
(11) EP2488388
(21) EP10808947.5
(22) 18.10.2010
(54) DOCKING MECHANISM, RECEIVING ASSEMBLY, VEHICLE AND METHOD
(73) Lafourcade, Yves
Dankerlui, Jerry
(72) LAFOURCADE, Yves
DANKERLUI, Jerry
(74) ir. F.E. Hoeben
(31) 1037406
(32) 16.10.2009
(33) Netherlands
(47) 04.09.2019

(51) B60P 3/34
B65D 88/12
B65D 88/22
E04B 1/344
E04H 1/12
(11) EP2217512
(21) EP08846885.5
(22) 10.11.2008
(54) EXTENDIBLE HEIGHT CONTAINER AND SHELTER
(73) Weatherhaven Global Resources Ltd.
(72) JOHNSON, Brian D.
THORNE, Glen V.
(74) ir. H.A. Witmans c.s.
(31) 987044 P
(32) 10.11.2007
(33) United States of America
(47) 18.09.2019

(51) B60Q 9/00
H04N 5/225
H05K 9/00
(11) EP3395057
(21) EP16816409.3
(22) 13.12.2016
(54) COLLISION-AVOIDANCE SENSING DEVICE
(73) Swisstip SA
(72) DE GAGNE, Marc
(74) ir. W.J.J.M. Kempes
(31) 15201854
4012016
(32) 22.12.2015
25.03.2016
(33) European Patent Office (EPO)
Switzerland
(47) 18.09.2019

(51) B60R 3/02
B61D 23/02
(11) EP3365216
(21) EP15787527.9
(22) 23.10.2015
(54) PNEUMATIC FOOTPLATE CLEANING
(73) Gebr. Bode GmbH & Co. KG
(72) WALTER, Hans Joachim
PAUL, Oliver
(74) ir. J.C. Volmer c.s.
(47) 09.10.2019

(51) B60S 9/12
(11) EP3335949
(21) EP17207359.5
(22) 14.12.2017
(54) DECENTRALIZED LIFTING SUPPORT ASSEMBLY, OPERATING METHOD, CHASSIS AND ROAD VEHICLE
(73) Alois Kober GmbH
(72) LUKAS, Maximilian
WILLMANN, Uwe
(74) ir. W.J.J.M. Kempes
(31) 202016107009 U
(32) 15.12.2016
(33) Germany
(47) 04.09.2019

(51) B60T 7/08
B60T 8/17
B60T 8/32
B60T 8/42
B60T 8/48
B60T 11/224
B60T 13/14
B60T 13/66
B60T 13/68
B62K 25/04
B62K 25/08
B62L 1/00
B62L 3/02
B62M 6/40
(11) EP3360739
(21) EP18154650.8
(22) 01.02.2018
(54) ASSEMBLY FOR A TWO-WHEELED VEHICLE WITH A PRESSURE ACCUMULATOR AND A METHOD FOR STORING THE ENERGY PROVIDED BY THE VEHICLE SUSPENSION
(73) Robert Bosch GmbH
(72) Dasbach, Gregor
Trautmann, Simon
Widmaier, Georg
Wienss, Andreas
(74) ir. H.A. Witmans c.s.
(31) 102017202020

(32) 09.02.2017
(33) Germany
(47) 30.10.2019

(51) B62B 7/06
(11) EP3317159
(21) EP16733434.1
(22) 27.06.2016
(54) DOUBLE PEDAL FOR FOLDING A PUSHCHAIR
(73) Dorel France
(72) BONDU, Gilles
BRIAND, Yannis
WU, Tse-Chien
(74) ir. C.G.C. Veldman-Dijkers
(31) 1556320
(32) 03.07.2015
(33) France
(47) 30.10.2019

(51) B62D 35/00
(11) EP2886427
(21) EP14199335.2
(22) 19.12.2014
(54) Vehicle front spoiler
(73) Apollo Tyres Global R&D B.V.
(72) Reuvekamp, Louis
Nijman, Gerard
(74) M.A.T. Beck MSc LL.B
(31) 2012011
(32) 20.12.2013
(33) Netherlands
(47) 09.10.2019

(51) B62H 3/08
B62H 5/00
E05B 71/00
(11) EP3225515
(21) EP16873261.8
(22) 25.11.2016
(54) LOCKING DEVICE AND BICYCLE STORING DEVICE HAVING SAME
(73) Seoheong Bicyclerack Co.,Ltd.
(72) PARK, Heungil
(74) dr. A. Ellens c.s.
(31) 20150173423
(32) 07.12.2015
(33) Korea (Republic)
(47) 11.09.2019

(51) B62H 5/00
B62J 1/08
(11) EP3197763
(21) EP15844999.1
(22) 24.09.2015
(54) ANTI-THEFT BICYCLE LOCKING DEVICE
(73) Inlock Kft.
(72) Holló, Csaba
(74) J.M.H. Duyver lic.
(31) P1400455
(32) 26.09.2014
(33) Hungary
(47) 11.09.2019

(51) B62K 19/00
B62K 19/12
B62K 19/30
B62K 19/34
H01M 2/10
B62M 6/40
B62M 6/55
B62M 6/90
(11) EP3118096
(21) EP16179129.8
(22) 12.07.2016
(54) BICYCLE FRAME, BICYCLE FRAME WITH ENERGY SUPPLY UNIT AND ELECTRIC BICYCLE HEREWITH
(73) ZEG Zweirad-Einkaufs-Genossenschaft eG
(72) GEHRING, Hendrik
(74) ir. W.J.J.M. Kempes
(31) 202015103750 U
(32) 16.07.2015
(33) Germany
(47) 04.09.2019

(51) B63B 22/00
B63B 22/18
B63B 35/44
F03D 9/25
F03D 13/25
F03D 80/50
(11) EP3212496
(21) EP15856048.2
(22) 27.10.2015
(54) CONNECTION SYSTEM FOR ARRAY CABLES OF DISCONNECTABLE OFFSHORE ENERGY DEVICES
(73) Principle Power, Inc.
(72) CERMELLI, Christian
DUARTE, Tiago
GODREAU, Cyril
(74) ir. W.J.J.M. Kempes
(31) 201462069235 P
(32) 27.10.2014
(33) United States of America
(47) 09.10.2019

(51) B63B 22/00
F16L 1/24
(11) EP3261915
(21) EP16707060.6
(22) 24.02.2016
(54) ADJUSTABLE BUOYANCY CLAMP FOR HOSE
(73) Trelleborg Industrie SAS
(72) PETIT, Jonathan
(74) mr. ir. J. van Breda c.s.
(31) 15290040
(32) 24.02.2015
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) B63B 23/40
B63B 23/48
B63B 27/16
B63C 11/52
E02F 5/02
E02F 5/10
E02F 5/12
E02F 5/14
F16L 1/12
H02G 1/10
H02G 1/12
(11) EP2929096
(21) EP13728243.0
(22) 16.04.2013
(54) A SEABED PLOW CAPABLE OF OVER-THE-STERN RELEASE AND RETRIEVAL IN A BOULDER CLEARING CONFIGURATION
(73) Oceaneering International Services Limited
(72) Wilson, Michael W. N.
(74) J.M.H. Duyver lic.
(31) 201213691076
(32) 30.11.2012
(33) United States of America
(47) 18.09.2019

(51) B63B 27/22
B63B 27/28
E02D 15/10
(11) EP3268540
(21) EP16722412.0
(22) 11.03.2016
(54) MARINE FALL PIPE SYSTEM PROVIDING AN INTERMEDIATE OPENING, AND MARINE VESSEL COMPRISING SUCH FALL PIPE SYSTEM
(73) Van Oord Dredging And Marine Contractors B.V.
(72) HAAG, Vincent Mark Izaak
VAN HEUSDEN, Stefan Philippus
KERKHOFS, Robert Cornelus Wilhelmus
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014437
(32) 11.03.2015
(33) Netherlands
(47) 06.11.2019

(51) B63B 35/08
B63B 35/44
B63B 43/18
B63H 21/17
B63H 25/42
B63H 25/46
G08G 3/02
(11) EP3052376
(21) EP14780833.1
(22) 01.10.2014
(54) NAVAL PLATFORM PROVIDED WITH AT LEAST ONE HULL COMPRISING STEERABLE THRUSTERS
(73) NAVAL GROUP
(72) KERKENI, Sofien
DAL SANTO, Xavier
(74) ir. A.R. Aalbers
(31) 1359479
(32) 01.10.2013
(33) France
(47) 04.09.2019

(51) B63G 8/38
H01Q 1/04
H01Q 1/30
H01Q 1/34
(11) EP3244485
(21) EP17173141.7
(22) 09.06.2010
(54) TOWED ANTENNA SYSTEM AND METHOD
(73) Rolls-Royce Marine North America, Inc.
(72) RACE, Roger E
PISKURA, Jacob
SANFORD, Davis
(74) ir. H.A. Witmans c.s.
(31) 268439 P
(32) 12.06.2009
(33) United States of America
(47) 04.09.2019

(51) B63H 1/18
B63H 1/28
B63H 5/16

(11) EP3266698
(21) EP15884064.5
(22) 18.05.2015
(54) ASYMMETRIC WAKE GENERATING VORTEX GENERATOR FOR REDUCING PROPELLER NOISE AND VIBRATION
(73) Korea Institute of Ocean Science and Technology
(72) SEOL, Han Shin
KIM, Ki Sup
AHN, Jong Woo
(74) ir. J.C. Volmer c.s.
(31) 20150030460
(32) 04.03.2015
(33) Korea (Republic)
(47) 06.11.2019

(51) B63H 1/28
(11) EP3461735
(21) EP17020537.1
(22) 20.11.2017
(54) UNIDIRECTIONAL TORQUE BOOSTING PROPELLER
(73) Ülgen, Mehmet, Nevres
(72) Ülgen, Mehmet, Nevres
(74) ir. A.R. Aalbers
(31) 201714615
(32) 29.09.2017
(33) Turkey
(47) 25.09.2019

(51) B63H 11/04
(11) EP2217487
(21) EP08858136.8
(22) 05.12.2008
(54) SHIP PROPULSION SYSTEM HAVING A PUMP JET
(73) Schottel GmbH
(72) KRAUTKRÄMER, Gerd
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 202007016992 U
(32) 05.12.2007
(33) Germany
(47) 09.10.2019

(51) B63H 20/12
B63H 25/12
F15B 15/14
(11) EP3372487
(21) EP18158929.2
(22) 27.02.2018
(54) DOUBLE-ACTING HYDRAULIC ACTUATING CYLINDER FOR MARINE ENGINE STEERING DEVICE
(73) Ultraflex Spa
(72) GAI, MARCELLA
PAGANI, Enrico
(74) mr. ir. J.H. Klooster
(31) 201700026657
(32) 10.03.2017
(33) Italy
(47) 25.09.2019

(51) B64G 1/00
B64G 1/22
C07C 321/00
C07C 323/12
C08L 63/00
C09D 181/02
C08G 75/02
C08G 75/0259
C08G 75/04
(11) EP3284772
(21) EP17181770.3
(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.
(74) ir. F.A. Geurts c.s.
(31) 108782
(32) 24.04.2008
(33) United States of America
(47) 11.09.2019

(51) B65B 9/13
B65B 9/20
B65B 9/213
(11) EP3328739
(21) EP17751021.1
(22) 11.07.2017
(54) METHOD FOR OPERATING A VFFS FOR PRODUCING BAGS WITH A GROUND-CROSS-SEAL AND A DIFFERENT HEAD-SEAL-SHAPE
(73) Rovema GmbH
(72) DERSCH, Volker
(74) ir. H.A. Witmans c.s.
(31) 102016213087
(32) 18.07.2016
(33) Germany
(47) 25.09.2019

(51) B65D 5/20
B65D 5/46
B65D 71/14
B65D 71/28
(11) EP3233660
(21) EP15870953.5
(22) 16.12.2015
(54) CARTON WITH ARTICLES
(73) Graphic Packaging International, LLC
(72) SPIVEY, Raymond, R.
MONCRIEF, Frank, N.
BATES, Aaron, Lee
ALEXANDER, O'neal
(74) ir. F.A. Geurts c.s.
(31) 201462124362 P
(32) 16.12.2014
(33) United States of America
(47) 27.11.2019

(51) B65D 19/00
B65D 19/18
B65D 19/38
B65D 21/06
(11) EP2894108
(21) EP14198931.9
(22) 18.12.2014
(54) Container with stacking rail with anti-slide coating
(73) Schoeller Allibert GmbH
(72) Orset, Olivier
(74) J.M.H. Duyver lic.
(31) 102014100265
(32) 10.01.2014
(33) Germany
(47) 11.09.2019

(51) B65F 1/16
(11) EP3342733
(21) EP17210003.4
(22) 22.12.2017
(54) CONTAINER LID HAVING A DAMPING TAB
(73) Plastic Omnium Systèmes Urbains
(72) TROTON, Jean
(74) dr. A. Krebs
(31) 1663474
(32) 28.12.2016
(33) France
(47) 13.11.2019

(51) B65G 5/00
F17C 1/00
(11) EP3140587
(21) EP15724863.4
(22) 07.05.2015
(54) GAS STORAGE REFILL AND DEWATERING
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) STRYBOS, Ronald
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201414272684
201414468615
(32) 08.05.2014
26.08.2014
(33) United States of America
United States of America
(47) 06.11.2019

(51) B65H 57/12
B65H 59/22
D01H 13/10
D02G 3/28
(11) EP3165639
(21) EP16196195.8
(22) 28.10.2016
(54) OUTER THREAD BRAKE, CORDING OR CABLING MACHINE WITH AN OUTER THREAD BRAKE AND METHOD FOR OPERATING SUCH A CORDING OR CABLING MACHINE
(73) Saurer Technologies GmbH & Co. KG
(72) Duralti, Cenk
(74) drs. C.M.A. Quintelier
(31) 102015014299
(32) 06.11.2015
(33) Germany
(47) 04.12.2019

(51) B66B 13/12
(11) EP3186183
(21) EP15753370.4
(22) 21.08.2015
(54) DEVICE FOR OPERATING A CABIN AND HOISTWAY ELEVATOR DOOR
(73) SALVENMOSER, Michael
(72) SALVENMOSER, Michael
(74) ir. P.J. Hylarides c.s.
(31) 13002014
(32) 25.08.2014
(33) Switzerland
(47) 11.09.2019

(51) B66D 1/04
B66D 1/74
(11) EP2616380
(21) EP10774291.8
(22) 17.09.2010

(54) WINCH PROVIDED WITH ADJUSTABLE SELF-TAILING AND RELATIVE OPERATION
(73) Harken Italy S.p.A.
(72) CAZZARO, Michele
(74) ir. J.C. Volmer c.s.
(47) 06.11.2019

(51) B82Y 30/00
C09C 1/04
C09C 1/10
C09C 3/10
C09K 11/02
C09K 11/08
C09K 11/56
C09K 11/88
H01L 21/56
(11) EP3309234
(21) EP17203029.8
(22) 28.03.2011
(54) ENCAPSULATED QUANTUM DOTS
(73) Nanoco Technologies Ltd
(72) Naasani, Imad
Gillies, James
Fitzgerald, Emma
Wang, Xioajuan
Masala, Ombretta
(74) ir. H.A. Witmans c.s.
(31) 201005601
(32) 01.04.2010
(33) United Kingdom
(47) 25.09.2019

(51) C01B 3/26
C10L 3/08
(11) EP3045425
(21) EP14842447.6
(22) 08.09.2014
(54) MANUFACTURING DEVICE AND MANUFACTURING METHOD FOR HYDROGEN AND SYNTHETIC NATURAL GAS
(73) Chiyoda Corporation
(72) IKEDA, Osamu
SHIRASAKI, Tomohiko
OKADA, Yoshimi
IMAGAWA, Kenichi
(74) J.M.H. Duyver lic.
(31) 2013185894
2013185895
(32) 09.09.2013
09.09.2013
(33) Japan
Japan
(47) 06.11.2019

(51) C01B 7/01
C01D 1/38
C02F 1/469
C02F 5/00
C02F 9/02
(11) EP3074349
(21) EP14864230.9
(22) 24.11.2014
(54) SYSTEM AND MEHTOD FOR REMOVING MINERALS FROM A BRINE USING ELECTRODIALYSIS
(73) Enviro Water Minerals Company, Inc.
(72) WALLACE, Paul Steven
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361908318 P
201462062657 P
(32) 25.11.2013
10.10.2014
(33) United States of America
United States of America
(47) 09.10.2019

(51) C01B 33/113
H01M 8/1039
H01M 8/1048
(11) EP2872445
(21) EP13734437.0
(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
(74) ir. W.J.J.M. Kempes
(31) 12175923
(32) 11.07.2012
(33) European Patent Office (EPO)
(47) 11.09.2019

(51) C01B 33/44
H01G 9/20
H01M 14/00
H01L 31/04
(11) EP2676931
(21) EP12747853.5
(22) 14.02.2012
(54) LAYERED COMPOUND-METAL PARTICLE COMPOSITE AND PRODUCTION METHOD THEREFOR, AND SUSPENSION, FILM AND FLEXIBLE SOLAR CELL USING SAME
(73) Kyushu University
(72) YAMADA, Sunao
OGAWA, Masashi
KURIHARA, Takashi
ITO, Kengo
(74) ir. F.A. Geurts c.s.
(31) 2011029216
(32) 14.02.2011
(33) Japan
(47) 18.09.2019

(51) C01G 3/00
G09G 3/30
G09G 3/34
G09G 3/36
H01L 21/338
H01L 29/24
H01L 29/786
H01L 29/812
H01L 29/861
H01L 29/868
H01L 51/50
(11) EP2691984
(21) EP12764443.3
(22) 28.03.2012
(54) P-TYPE OXIDE, P-TYPE OXIDE-PRODUCING COMPOSITION, METHOD FOR PRODUCING P-TYPE OXIDE, SEMICONDUCTOR DEVICE, DISPLAY DEVICE, IMAGE DISPLAY APPARATUS, AND SYSTEM
(73) Ricoh Company, Limited
(72) ABE, Yukiko
UEDA, Naoyuki
NAKAMURA, Yuki
MATSUMOTO, Shinji
SONE, Yuji
TAKADA, Mikiko
SAOTOME, Ryoichi
(74) ir. H.A. Witmans c.s.
(31) 2011080171
2012045666
(32) 31.03.2011
01.03.2012
(33) Japan
Japan
(47) 04.09.2019

(51) C02F 1/08
C02F 5/02
(11) EP2961694
(21) EP14716223.4
(22) 06.02.2014
(54) METHOD FOR TREATING HARDNESS CONTAINING WASHING WATER
(73) Terrawater GmbH
(72) SCHLICKUM, Till
ALTEGOER, Dietmar
(74) ir. A. Blokland c.s.
(31) 102013003321
(32) 28.02.2013
(33) Germany
(47) 04.12.2019

(51) C03B 5/02
C03B 5/03
C03C 3/062
C03C 4/00
C03C 13/06
(11) EP2697178
(21) EP12715371.6
(22) 12.04.2012
(54) PROCESSES FOR FORMING MAN MADE VITREOUS FIBRES
(73) Rockwool International A/S
(72) GROVE-RASMUSSEN, Svend
SOLVANG, Mette
(31) 11162328
(32) 13.04.2011
(33) European Patent Office (EPO)
(47) 25.09.2019

(51) C03B 7/02
F23M 5/02
(11) EP3419937
(21) EP17704493.0
(22) 15.02.2017
(54) FOREHEARTH COMPRISING EXCHANGEABLE SUPPORT BLOCKS
(73) 3B Fibreglass sprl
(72) LECRENIER, Pascal
FAWAY, José
VANWYNSBERGHE, Frédéric
LECRENIER, Raphael
(74) dr. A. Krebs
(31) 16156641
(32) 22.02.2016
(33) European Patent Office (EPO)
(47) 23.10.2019

(51) C03C 27/00
C04B 35/634
C04B 37/00

C04B 37/04
H01L 21/687
(11) EP2742016
(21) EP12768735.8
(22) 08.08.2012
(54) METHOD FOR JOINING COMPONENTS AND HOLDING DEVICE FOR A WAFER
(73) Carl Zeiss SMT GmbH
(72) CHUNG, Hin Yiu Anthony
DOCHNAHL, Axel
STAMPE, Tim
PETZOLD, Werner
REIMANN, Bernd
(74) ir. W.J.J.M. Kempes
(31) 102011080635
201161521564 P
(32) 09.08.2011
09.08.2011
(33) Germany
United States of America
(47) 02.10.2019

(51) C07C 45/54
C07C 45/62
C07C 49/04
C07C 49/203
(11) EP3137445
(21) EP15718908.5
(22) 29.04.2015
(54) PROCESS FOR THE PREPARATION OF FARNESYL ACETON
(73) BASF SE
(72) SCHELWIES, Mathias
PACIELLO, Rocco
ECKHARDT, Heinz
DEHN, Martine
(74) ir. W.J.J.M. Kempes
(31) 14166525
(32) 30.04.2014
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) C07C 67/00
C07C 69/732
(11) EP3310750
(21) EP16729943.7
(22) 20.06.2016
(54) PREPARATION OF 2,5,6-TRIHYDROXY-3-HEXENOIC ACID AND 2,5-DIHYDROXY-3-PENTENOIC ACID AND ESTERS THEREOF FROM C6 AND C5 SUGARS
(73) Haldor Topsøe A/S
(72) TAARNING, Esben
SADABA ZUBIRI, Irantzu
MEIER, Sebastian
(74) ir. J.C. Volmer c.s.
(31) 15172679
201500756
201600089
201600240
(32) 18.06.2015
27.11.2015
12.02.2016
25.04.2016
(33) European Patent Office (EPO)
Denmark
Denmark
Denmark
(47) 30.10.2019

(51) C07C 67/08
C07C 67/28
C07C 67/58
C07C 69/33
(11) EP3044200
(21) EP14758295.1
(22) 29.08.2014
(54) METHOD FOR POST-TREATING POLYOL ESTERS
(73) OXEA GmbH
(72) KUBITSCHKE, Jens
KREICKMANN, Thorsten
ARNOLD, Jörg
KRAMER, Matthias
STRUTZ, Heinz
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102013015289
(32) 14.09.2013
(33) Germany
(47) 09.10.2019

(51) C07C 67/38
C07C 69/24
(11) EP3272732
(21) EP16180050.3
(22) 19.07.2016
(54) METHOD FOR THE ALCOXY CARBONYLATION OF ETHYLENICALLY UNSATURATED COMPOUNDS WITH MONOPHOSPHIN LIGANDS
(73) Evonik Degussa GmbH
(72) DONG, Kaiwu
JACKSTELL, Ralf
BELLER, Matthias
FRIDAG, Dirk
HESS, Dieter
DYBALLA, Katrin Marie
GEILEN, Frank
FRANKE, Robert
(74) ir. W.J.J.M. Kempes
(47) 18.09.2019

(51) C07C 201/12
C07C 205/42
(11) EP3246307
(21) EP16737381.0
(22) 13.01.2016
(54) METHOD FOR PRODUCING DIAMINE PRECURSOR COMPOUND
(73) Nissan Chemical Corporation
(72) NAGAO, Masato
(74) ir. A. Blokland c.s.
(31) 2015004366
(32) 13.01.2015
(33) Japan
(47) 27.11.2019

(51) C07C 221/00
C07C 223/02
C07D 221/00
C07D 487/04
C07D 493/08
C07D 519/00
(11) EP2618662
(21) EP11827530.4
(22) 22.09.2011
(54) SYNTHESIS OF SUBSTITUTED SALICYLALDEHYDE DERIVATIVES
(73) SAUDI ARAMCO TECHNOLOGIES COMPANY
(72) FARMER, Jay, J.
JOB, Gabriel, E.
(74) J.M.H. Duyver lic.
(31) 385551 P
(32) 22.09.2010
(33) United States of America
(47) 06.11.2019

(51) C07C 319/02
C07C 319/28
C07C 323/20
C10M 135/30
(11) EP2776391
(21) EP12847158.8
(22) 17.10.2012
(54) LUBRICATING OIL COMPOSITIONS
(73) Chevron Oronite Company LLC
Chevron Oronite SAS
(72) SINQUIN, Gilles
CAMPBELL, Curt
LECROQ, Heleine
SPALA, Eugene E.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201113293387
(32) 10.11.2011
(33) United States of America
(47) 02.10.2019

(51) C07C 319/18
C07C 323/52
C08G 18/38
(11) EP2931704
(21) EP13801593.8
(22) 09.12.2013
(54) THIOL-FUNCTIONAL COMPOUND
(73) Akzo Nobel Coatings International B.V.
(72) VAN GAALEN, Ronald Petrus Clemens
VAN GEMERT, Rogier
VAN DEN HAAK, Hendrik Jan Willem
VAN BEELEN, Nicolaas Jacob
(74) ir. W.J.J.M. Kempes
(31) 12196564
201261736224 P
(32) 11.12.2012
12.12.2012
(33) European Patent Office (EPO)
United States of America
(47) 02.10.2019

(51) C07D 211/46
C08K 5/00
C08K 5/46
(11) EP3019474
(21) EP14822847.1
(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
(74) ir. W.J.J.M. Kempes
(31) 13175595
(32) 08.07.2013
(33) European Patent Office (EPO)
(47) 11.09.2019

(51) C07D 213/12
C07D 213/69

C07D 213/78
C07D 401/06
(11) EP3077376
(21) EP14866855.1
(22) 02.12.2014
(54) PROCESS FOR MAKING REVERSE TRANSCRIPTASE INHIBITORS
(73) Merck Sharp & Dohme Corp.
(72) CAO, Yang
GAUTHIER, Donald R. Jr.
HUMPHREY, Guy R.
ITOH, Tetsuji
JOURNET, Michel
QIAN, Gang
SHERRY, Benjamin D.
TSCHAEN, David M.
(74) ir. H.A. Witmans c.s.
(31) 201361911686 P
201462017542 P
(32) 04.12.2013
26.06.2014
(33) United States of America
United States of America
(47) 16.10.2019

(51) C07D 301/12
(11) EP3212627
(21) EP15786922.3
(22) 27.10.2015
(54) PART-STREAM DISTILLATION
(73) BASF SE
Dow Global Technologies LLC
(72) RIEDEL, Dominic
TELES, Joaquim, Henrique
SEELIG, Bianca
KAMPE, Philip
WEBER, Markus
SCHRÖDER, Alexander
URBANCZYK, Daniel
WEIDENBACH, Meinolf
MÜLLER, Ulrich
WITZL, Werner
PARVULESCU, Andrei-Nicolae
BÄR, Holger
(74) ir. W.J.J.M. Kempes
(31) 14190535
(32) 27.10.2014
(33) European Patent Office (EPO)
(47) 25.09.2019

(51) C07F 7/00
(11) EP3197902
(21) EP15775414.4
(22) 25.09.2015
(54) PROCESS FOR PREPARING A ZIRCONIUM-BASED METAL ORGANIC FRAMEWORK
(73) Christian-Albrechts-Universität zu Kiel
Katholieke Universiteit Leuven
Universitetet I Oslo
(72) REINSCH, Helge
LILLERUD, Karl Petter
CHAVAN, Sachin
OLSBYE, Unni
STOCK, Norbert
DE VOS, Dirk
(74) J.M.H. Duyver lic.
(31) 201417076
(32) 26.09.2014
(33) United Kingdom
(47) 11.09.2019

(51) C07F 7/08
C07F 7/18
C08G 77/20
C08G 77/388
(11) EP2838905
(21) EP13705994.5
(22) 25.02.2013
(54) NOVEL, MONO-SYNTHESIZABLE, SPONTANEOUSLY WATER-SOLUBLE, SUBSTANTIALLY VOC-FREE, ENVIRONMENTALLY FRIENDLY (METH)ACRYLAMIDO-FUNCTIONAL SILOXANOL SYSTEMS, PROCESS FOR THEIR PREPARATION AND USE
(73) Evonik Degussa GmbH
(72) WASSMER, Christian
STANDKE, Burkhard
SCHLOSSER, Thomas
KRAUSE, Regina
(74) ir. W.J.J.M. Kempes
(31) 102012206510
(32) 20.04.2012
(33) Germany
(47) 25.09.2019

(51) C07G 1/00
A01H 1/00
C12N 9/42
C12P 1/02
(11) EP2903412
(21) EP13779702.3
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261711062 P
201261711066 P
(32) 08.10.2012
08.10.2012
(33) United States of America
United States of America
(47) 11.09.2019

(51) C07K 1/36
C12M 1/00
C12M 1/36
G05B 11/42
G05B 13/02
G05D 7/06
(11) EP3294856
(21) EP16722163.9
(22) 10.05.2016
(54) PROCESS CONTROL SYSTEM FOR REGULATING AND CONTROLLING A MODULAR SYSTEM FOR THE PRODUCTION OF BIOPHARMACEUTICAL AND BIOLOGICAL MACROMOLECULAR PRODUCTS
(73) Bayer Aktiengesellschaft
(72) SCHWAN, Peter
LOBEDANN, Martin
BERNSHAUSEN, Jens
(74) ir. W.J.J.M. Kempes
(31) 15167538
(32) 13.05.2015
(33) European Patent Office (EPO)
(47) 18.09.2019

(51) C07K 5/103
C07K 7/06
C07K 7/08
A61K 47/64
(11) EP2061512
(21) EP07805515.9
(22) 23.08.2007
(54) CONJUGATES OF RGD PEPTIDES AND (BACTERIO)CHLOROPHYLL PHOTOSENSITIZERS AND THEIR USES
(73) YEDA RESEARCH AND DEVELOPMENT CO. LTD.
(72) SCHERZ, Avigdor
SALOMON, Yoram
RUBINSTEIN, Efrat
BRANDIS, Alexander
EREN, Doron
NEIMANN, Karin
(74) ir. W.J.J.M. Kempes
(31) 839409 P
(32) 23.08.2006
(33) United States of America
(47) 02.10.2019

(51) C07K 14/415
C07K 14/47
(11) EP3442995
(21) EP17709039.6
(22) 03.03.2017
(54) PRODUCTION OF SUBERIN
(73) Luxembourg Institute of Science and Technology (LIST)
(72) LEGAY, Sylvain
(74) ir. W.J.J.M. Kempes
(31) 93026
(32) 14.04.2016
(33) Luxembourg
(47) 11.09.2019

(51) C07K 14/47
C12N 15/861
(11) EP2809788
(21) EP13704334.5
(22) 01.02.2013
(54) ADENOVIRUSES EXPRESSING HETEROLOGOUS TUMOR-ASSOCIATED ANTIGENS
(73) Board of Regents, The University of Texas System
(72) FUEYO-MARGARETO, Juan
GOMEZ-MANZANO, Candelaria
YUNG, W.K., Alfred
KRASNYKH, Victor
JIANG, Hong
(74) dr. W.A.H.M. Van Borm
(31) 201261594005 P
(32) 02.02.2012
(33) United States of America
(47) 04.09.2019

(51) C07K 14/54
C12N 15/24
C12N 15/62
(11) EP3265478
(21) EP16708154.6
(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
(74) mr. ir. J. van Breda c.s.
(31) 15157911
(32) 06.03.2015
(33) European Patent Office (EPO)
(47) 11.09.2019

(51) C08F 2/02
C08F 20/14
C08F 120/14
C08F 220/14
(11) EP3103819
(21) EP15745810.0
(22) 06.02.2015
(54) PRODUCTION METHOD OF (METH)ACRYLIC RESIN COMPOSITION
(73) Kuraray Co., Ltd.
(72) KITADE, Yasuhito
OZAWA, Hiroshi
TANAKA, Shouji
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014021667
(32) 06.02.2014
(33) Japan
(47) 09.10.2019

(51) C08F 10/02
C08F 210/16
(11) EP3091038
(21) EP16165486.8
(22) 21.12.2011
(54) OLEFIN-BASED POLYMERS AND DISPERSION POLYMERIZATIONS
(73) Dow Global Technologies LLC
(72) DESHPANDE, Kishori
DIXIT, Ravindra S.
JAIN, Pradeep
(74) ir. J.D. de Zeeuw
(31) 201061425608 P
201161577232 P
(32) 21.12.2010
19.12.2011
(33) United States of America
United States of America
(47) 18.09.2019

(51) C08F 230/02
C08J 9/00
C08L 43/02
C09K 21/14
(11) EP3087128
(21) EP13900089.7
(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.
(74) ir. H.A. Witmans c.s.
(47) 11.09.2019

(51) C08G 18/09
C08G 18/50
(11) EP2454302
(21) EP10737836.6
(22) 16.07.2010
(54) METHOD FOR THE PREPARATION OF HIGH MOLECULAR WEIGHT OLIGO(ALKYLENE GLYCOL) FUNCTIONALIZED POLYISOCYANOPEPTIDES
(73) Stichting Katholieke Universiteit Meer In Het Bijzonder Radboud Universiteit Nijmegen
(72) ROWAN, Alan Edward
NOLTE, Roeland Johannes Maria
CORNELISSEN, Jeroen Johannes Lambertus Maria
KITTO, Heather Joy
SCHWARTZ, Erik
KOEPF, Matthieu
(74) ir. A. Blokland c.s.
(31) 09165705
(32) 16.07.2009
(33) European Patent Office (EPO)
(47) 30.10.2019

(51) C08G 59/50
C08L 63/00
C08L 75/04
(11) EP2989142
(21) EP14719027.6
(22) 24.04.2014
(54) CEMENT-FREE OR CEMENT-REDUCED LOW DUST HYBRID FLOORING COMPOSITIONS
(73) Sika Technology AG
(72) GIMENO SANTOS, Patricia
KADDATZ, Carola
GRÖTZINGER, Jochen
MÄDER, Urs
(74) ir. W.J.J.M. Kempes
(31) 13165613
(32) 26.04.2013
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) C08G 64/02
C08G 64/34
C08G 64/42
C08G 65/26
C08K 5/51
(11) EP3027673
(21) EP14742532.6
(22) 25.07.2014
(54) METHOD FOR MANUFACTURING POLYETHER CARBONATE POLYOLS
(73) Covestro Deutschland AG
(72) LAEMMERHOLD, Kai
HOFMANN, Jörg
NEFZGER, Hartmut
(74) ir. W.J.J.M. Kempes
(31) 13179165
14175611
(32) 02.08.2013
03.07.2014
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 02.10.2019

(51) C08G 75/23
(11) EP2467415
(21) EP10742832.8
(22) 17.08.2010
(54) METHOD FOR PRODUCING LOW-HALOGEN POLYBIPHENYLSULFONE POLYMERS
(73) BASF SE
(72) WEBER, Martin
MALETZKO, Christian
LANGE, Gerhard
ERBES, Jörg
DIETRICH, Matthias
INCHAURRONDO, Nicolas
SIGWART, Christoph
(74) ir. W.J.J.M. Kempes
(31) 09168231
(32) 20.08.2009
(33) European Patent Office (EPO)
(47) 09.10.2019

(51) C08G 77/00
C08G 77/46
(11) EP3138867
(21) EP16182680.5
(22) 04.08.2016
(54) USE OF EUGENOL POLYETHERS AND EUGENOL POLYETHER SILOXANES AS WETTING AGENTS
(73) Evonik Degussa GmbH
(72) Roland, Katrin
Lobert, Matthias
Ferenz, Michael
Schierle, Thorsten
(74) ir. W.J.J.M. Kempes
(31) 15183632
(32) 03.09.2015
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) C08G 77/38
C09D 183/04
(11) EP3353252
(21) EP16785545.1
(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
(74) ir. W.J.J.M. Kempes
(31) 1501991
(32) 25.09.2015
(33) France
(47) 11.09.2019

(51) C08J 3/12
C08L 27/18
C09D 5/03

C09D 127/18
(11) EP3312237
(21) EP17204297.0
(22) 19.05.2009
(54) BLENDED FLUOROPOLYMER COMPOSITION
(73) Whitford Corporation
(72) HARVEY, Leonard, W.
COATES, Michael
WRIGHT, Julie, K.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 57597
100311
145433
145875
(32) 30.05.2008
26.09.2008
16.01.2009
20.01.2009
(33) United States of America
United States of America
United States of America
United States of America
(47) 04.09.2019

(51) C08J 3/22
C08K 3/04
C08K 5/00
C08L 69/00
C08L 91/06
(11) EP2655486
(21) EP11804551.7
(22) 19.12.2011
(54) METHOD FOR IMPROVING SOOT DISPERSION
(73) Covestro Deutschland AG
(72) SEIDEL, Andreas
THIEM, Hans-Jürgen
RUDOLF, Reiner
REICHENAUER, Joerg
ECKEL, Thomas
(74) ir. W.J.J.M. Kempes
(31) 10196932
(32) 23.12.2010
(33) European Patent Office (EPO)
(47) 18.09.2019

(51) C08J 9/12
C08J 9/14
(11) EP2739676
(21) EP12740369.9
(22) 30.07.2012
(54) HFO/WATER-EXPANDED HARD FOAM SYSTEMS
(73) BASF SE
(72) GIESKER, Christiane
SCHÜTTE, Markus
LAX, Patrick
KROGMANN, Jörg
(74) ir. W.J.J.M. Kempes
(31) 11176102
(32) 01.08.2011
(33) European Patent Office (EPO)
(47) 25.09.2019

(51) C08K 5/5399
C08L 69/00
(11) EP2928956
(21) EP13814455.5
(22) 04.12.2013
(54) FLAME-PROTECTED POLYCARBONATE MOULDED SUBSTANCES III
(73) Covestro Deutschland AG
(72) JUNG, Mathieu
ECKEL, Thomas
HOBEIKA, Sven
(74) ir. W.J.J.M. Kempes
(31) 12196019
(32) 07.12.2012
(33) European Patent Office (EPO)
(47) 25.09.2019

(51) C08L 25/12
C08L 55/02
C08L 69/00
C23C 18/16
(11) EP3134474
(21) EP15721152.5
(22) 24.04.2015
(54) POLYMER BLEND FOR METAL PLATING
(73) INEOS Styrolution Group GmbH
(72) EISENTRÄGER, Frank
NIESSNER, Norbert
WIEDEL, Eugen
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 14165951
(32) 25.04.2014
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) C09D 5/00
C09D 133/08
C09D 175/04
D21H 19/10
(11) EP3274410
(21) EP16712764.6
(22) 16.03.2016
(54) USE OF A COMPSITION AS A TRANSFER METALLISATION PRIMER
(73) BASF SE
(72) YAN, Patrick
XIA, Jian Feng
(74) ir. W.J.J.M. Kempes
(31) PCT/CN2015/075145
PCT/CN2015/083203
(32) 26.03.2015
02.07.2015
(33) World Intellectual Property Office (WIPO)
World Intellectual Property Office (WIPO)
(47) 18.09.2019

(51) C09K 5/04
C10M 105/32
C10M 107/24
C10M 129/18
C10M 133/22
C10M 169/04
C10M 171/00
C10N 30/12
C10N 40/30
F25B 1/00
F25B 13/00
(11) EP2918948
(21) EP13851731.3
(22) 31.10.2013
(54) REFRIGERATION DEVICE
(73) Daikin Industries, Ltd.
(72) TANAKA, Masaru
MATSUURA, Hideki
TAIRA, Shigeharu
NAKAI, Akinori
(74) ir. W.J.J.M. Kempes
(31) 2012241274
(32) 31.10.2012
(33) Japan
(47) 09.10.2019

(51) C10B 19/00
C10B 53/07
C10G 1/10
C10G 15/08
(11) EP2675870
(21) EP12718344.0
(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
(74) drs. A.A. Jilderda
(31) FI20110029
(32) 18.02.2011
(33) Italy
(47) 11.09.2019

(51) C10G 1/00
E21B 43/14
E21B 43/17
(11) EP3369890
(21) EP18169289.8
(22) 24.08.2009
(54) METHOD AND SYSTEM FOR JOINTLY PRODUCING AND PROCESSING HYDROCARBONS FROM NATURAL GAS HYDRATE AND CONVENTIONAL HYDROCARBON RESEVOIRS
(73) Chevron U.S.A. Inc.
(72) JONES, Emrys
BALCZEWSKI, John T.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 197811
(32) 25.08.2008
(33) United States of America
(47) 09.10.2019

(51) C10G 7/00
C10G 47/00
(11) EP3237577
(21) EP15817222.1
(22) 17.12.2015
(54) PROCESS AND APPARATUS FOR REDUCING HEAVY POLYCYCLIC AROMATIC COMPOUNDS IN HYDROCRACKING UNITS
(73) AXENS
(72) SAUGE, Thibault
GONZALEZ LLAMAZARES, Roberto
BONNARDOT, Jérôme
FRECON, Jacinthe
(74) ir. W.J.J.M. Kempes
(31) 1463097
(32) 22.12.2014
(33) France
(47) 04.09.2019

(51) C10G 9/16

C10G 75/00
(11) EP2875101
(21) EP13819522.7
(22) 11.07.2013
(54) COKE CATCHER
(73) Lummus Technology LLC
(72) DE HAAN, Stephen
TAM, Peter, Kin-Lee
(74) ir. P.J. Hylarides c.s.
(31) 201213554460
(32) 20.07.2012
(33) United States of America
(47) 04.09.2019

(51) C10L 1/00
C10L 1/04
(11) EP2917313
(21) EP13853638.8
(22) 11.11.2013
(54) JET-RANGE HYDROCARBONS
(73) UOP LLC
(72) FREY, Stanley, Joseph
FICHTL, Geoffrey, William
BARGER, Paul
RONEY, Scott, M.
NICHOLAS, Christopher, P.
(74) ir. W.J.J.M. Kempes
(31) 201261725413 P
201314073208
(32) 12.11.2012
06.11.2013
(33) United States of America
United States of America
(47) 02.10.2019

(51) C10M 133/12
C10M 133/38
C10M 141/06
C10M 169/04
C10N 10/12
C10N 30/10
C10N 40/04
C10N 40/08
C10N 40/25
(11) EP3368643
(21) EP16820041.8
(22) 06.10.2016
(54) LUBRICATING OIL COMPOSITIONS CONTAINING AMIDINE ANTIOXIDANTS
(73) Chevron Oronite Company LLC
(72) QIAN, Xuelei Lily
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514928050
(32) 30.10.2015
(33) United States of America
(47) 20.11.2019

(51) C10M 133/16
C10M 139/00
C10M 141/12
C10M 169/04
C10N 40/25
(11) EP2513274
(21) EP10841439.2
(22) 12.11.2010
(54) METHOD AND USE OF LUBRICATING OIL COMPOSITIONS COMPRISING A TITANIUM COMPLEX COMPOUND
(73) Chevron Oronite Company LLC
(72) BHALLA, Gaurav
YAMAGUCHI, Elaine S.
TSANG, Man Hon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 653497
(32) 15.12.2009
(33) United States of America
(47) 09.10.2019

(51) C10M 139/00
C10M 159/18
C10M 169/04
C10N 10/08
C10N 30/06
C10N 40/25
(11) EP2513271
(21) EP10841440.0
(22) 12.11.2010
(54) LUBRICATING OIL COMPOSITIONS CONTAINING TITANIUM COMPLEXES
(73) Chevron Oronite Company LLC
(72) BHALLA, Gaurav
YAMAGUCHI, Elaine, S.
TSANG, Man Hon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 653498
(32) 15.12.2009
(33) United States of America
(47) 09.10.2019

(51) C11B 1/02
C11B 1/06
C11B 1/08
C11B 1/12
C11B 1/16
C11B 3/16
(11) EP2837678
(21) EP14175098.4
(22) 30.06.2014
(54) METHOD FOR IMPROVED RENDERING
(73) Zitnik, James K.
(72) Zitnik, James K.
(74) J.M.H. Duyver lic.
(31) 201361866775 P
201414180008
(32) 16.08.2013
13.02.2014
(33) United States of America
United States of America
(47) 06.11.2019

(51) C11D 1/66
C11D 3/22
(11) EP2364350
(21) EP09760449.0
(22) 01.12.2009
(54) WARE WASHING SYSTEM CONTAINING CATIONIC STARCH
(73) Diversey, Inc.
(72) NEPLENBROEK, Antonius, Maria
BEAU, Julie, Jessica
RAPHANEL, Florian Romain, Marie
(74) ir. F.A. Geurts c.s.
(31) 119277 P
(32) 02.12.2008
(33) United States of America
(47) 18.09.2019

(51) C11D 1/83
C11D 11/00
(11) EP3312266
(21) EP17184703.1
(22) 03.08.2017
(54) PROCESS OF WASHING FABRICS THAT HAVE A CATIONICALLY CHARGED SOFTENING ACTIVE DEPOSITED THEREON
(73) The Procter & Gamble Company
(72) URE, Colin
BROOKER, Alan Thomas
MARTELL, Samantha Jane
(31) 16195050
(32) 21.10.2016
(33) European Patent Office (EPO)
(47) 25.09.2019

(51) C11D 3/386
C12N 1/15
C12N 1/21
C12N 9/02
C12N 9/42
C12P 7/14
C12P 19/02
C12P 19/14
D21C 5/00
D21H 17/00
A01H 5/00
(11) EP3219794
(21) EP17159321.3
(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.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161562277 P
(32) 21.11.2011
(33) United States of America
(47) 11.09.2019

(51) C11D 3/386
C12N 1/15
C12N 1/21
C12N 9/28
C12N 15/56
C12N 15/63
D06M 16/00
(11) EP3000887
(21) EP15189565.3
(22) 05.07.2005
(54) ALPHA-AMYLASE VARIANTS WITH ALTERED PROPERTIES
(73) Novozymes A/S
(72) ANDERSEN, Carsten
OESTDAL, Henrik
SKAGERLIND, Peter
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 200401059
200401325
(32) 05.07.2004
02.09.2004
(33) Denmark
Denmark
(47) 02.10.2019

(51) C11D 3/386
C12N 9/54
(11) EP3027748
(21) EP14744341.0
(22) 28.07.2014
(54) PROTEASE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME
(73) Novozymes A/S
(72) RASMUSSEN, Frank Winther
LENHARD, Rolf Thomas
TOSCANO, Miguel Duarte Guilherme Pereira
FRIIS, Esben Peter
LARSEN, Signe Eskildsen
KNÖTZEL, Jürgen Carsten Franz
BAUER, Michael
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 13178318
(32) 29.07.2013
(33) European Patent Office (EPO)
(47) 18.09.2019

(51) C12M 1/00
C12M 1/107
C12M 1/42
C12N 13/00
(11) EP3004321
(21) EP14728544.9
(22) 04.06.2014
(54) DEVICE FOR ELECTRICALLY DISINTEGRATING CELL CLUSTERS
(73) Hugo Vogelsang Maschinenbau GmbH
Prometheus GmbH & Co. KG
(72) FLERLAGE, Paul
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 202013005125 U
(32) 04.06.2013
(33) Germany
(47) 09.10.2019

(51) C12N 1/16
C12N 1/18
C12N 1/36
C12N 9/90
C12N 15/01
C12Q 1/6895
(11) EP2925854
(21) EP13799018.0
(22) 29.11.2013
(54) YEAST STRAIN IMPROVEMENT METHOD
(73) Institut Curie
Centre National de la Recherche Scientifique
Université Nice Sophia Antipolis
Sorbonne Université
INSERM (Institut National de la Santé et de la Recherche Médicale)
(72) NICOLAS, Alain
LITI, Gianni
(74) J.M.H. Duyver lic.
(31) 1261456
(32) 30.11.2012
(33) France
(47) 11.09.2019

(51) C12N 1/20
C12N 1/36
C12P 7/18
(11) EP2427562
(21) EP10716352.9
(22) 05.05.2010
(54) Continuous culture for 1,3-propanediol production using a high glycerine concentration
(73) Metabolic Explorer
(72) CHATEAU, Michel
DUBOIS, Jean-Yves
SOUCAILLE, Philippe
(74) ir. F.A. Geurts c.s.
(31) 09159401
175564 P
(32) 05.05.2009
05.05.2009
(33) European Patent Office (EPO)
United States of America
(47) 09.10.2019

(51) C12N 9/02
(11) EP3177715
(21) EP15749862.7
(22) 06.08.2015
(54) CATALYST AND USE THEREOF
(73) Johnson Matthey Public Limited Company
(72) DOMINGUEZ, Beatriz
SCHELL, Ursula
KRATZER, Christian
KALTHOFF, Thomas
(74) ir. F.A. Geurts c.s.
(31) 201413899
(32) 06.08.2014
(33) United Kingdom
(47) 02.10.2019

(51) C12N 9/10
C12P 7/64
C12P 33/00
C12R 1/89
(11) EP3167053
(21) EP15747630.0
(22) 10.07.2015
(54) NOVEL KETOACYL ACP SYNTHASE GENES AND USES THEREOF
(73) Corbion Biotech, Inc.
(72) DAVIS, David
RUDENKO, George
SOMANCHI, Aravind
CASOLARI, Jason
FRANKLIN, Scott
EWING, Aren
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201462023112 P
201462081143 P
(32) 10.07.2014
18.11.2014
(33) United States of America
United States of America
(47) 09.10.2019

(51) C12N 15/52
C12N 15/81
C12P 5/00
C12P 5/02
C12R 1/73
(11) EP3219815
(21) EP17156088.1
(22) 22.11.2010
(54) METHODS AND COMPOSITIONS FOR PRODUCING SQUALENE USING YEAST
(73) Cibus Europe B.V.
(72) Walker, Keith A.
Knuth, Mark E.
Fong, Noel M.
Beetham, Peter R.
(74) J.M.H. Duyver lic.
(31) 263775 P
(32) 23.11.2009
(33) United States of America
(47) 02.10.2019

(51) C12N 15/52
C12P 7/40
(11) EP2898082
(21) EP13773490.1
(22) 20.09.2013
(54) PATHWAYS TO ADIPATE SEMIALDEHYDE AND OTHER ORGANIC PRODUCTS
(73) LCY Biosciences Inc.
(72) LAU, Man, Kit
MERCOGLIANO, Christopher, P.
(74) ir. H.A. Witmans c.s.
(31) 201261703361 P
(32) 20.09.2012
(33) United States of America
(47) 04.09.2019

(51) C12P 19/02
C12P 19/04
C12P 19/12
(11) EP3347480
(21) EP16754281.0
(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
(74) J.M.H. Duyver lic.
(31) 15184895
(32) 11.09.2015
(33) European Patent Office (EPO)
(47) 11.09.2019

(51) C12Q 1/00
C12Q 1/28
G01N 21/25
G01N 21/78
(11) EP3296405
(21) EP17197044.5
(22) 23.03.2012
(54) METHOD AND KIT FOR SUPER-HIGH-SENSITIVITY MEASUREMENT OF PROTEIN AND NUCLEIC ACID, AND NOVEL ENZYME SUBSTRATE
(73) Ito, Etsuro
Watabe, Satoshi
Miura, Toshiaki
Yoshimura, Teruki
(72) Ito, Etsuro
(74) ir. F.A. Geurts c.s.
(31) 2011063559
(32) 23.03.2011
(33) Japan
(47) 09.10.2019

(51) C12Q 1/04
H01J 49/00
(11) EP2786397
(21) EP12798884.8
(22) 30.11.2012

(54) METHOD FOR IDENTIFYING MICROORGANISMS BY MASS SPECTROMETRY
(73) Biomérieux Inc.
(72) STRUBEL, Grégory
ARSAC, Maud
DESSEREE, Denis
COTTE-PATTAT, Pierre-Jean
(74) ir. W.J.J.M. Kempes
(31) 11306610
201161566025 P
(32) 02.12.2011
02.12.2011
(33) European Patent Office (EPO)
United States of America
(47) 02.10.2019

(51) C12Q 1/68
(11) EP3133169
(21) EP16180028.9
(22) 25.08.2009
(54) METHODS FOR SELECTING AND AMPLIFYING POLYNUCLEOTIDES
(73) Illumina, Inc.
(72) SABOT, Andrea
RIGATTI, Roberto
SHEN, Min-jui, Richard
(74) J.M.H. Duyver lic.
(47) 16.10.2019

(51) C12Q 1/6883
(11) EP3294903
(21) EP16722143.1
(22) 06.05.2016
(54) METHOD FOR IN VITRO DIAGNOSIS OF DEMENTIA WITH LEWY BODIES USING ALPHASYNUCLEIN GENE TRANSCRIPTS
(73) Fundació Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol
Universitat Autònoma de Barcelona
(72) BEYER, Katrin
ARIZA FERNÁNDEZ, Aurelio
(74) J.M.H. Duyver lic.
(31) 15382241
(32) 08.05.2015
(33) European Patent Office (EPO)
(47) 18.09.2019

(51) C12Q 1/70
C12Q 1/6865
(11) EP2975139
(21) EP15167734.1
(22) 30.09.2005
(54) ASSAY FOR DETECTING AND QUANTIFYING HIV-1
(73) Gen-Probe Incorporated
(72) KOLK, Daniel P
SAWYER, Glenn J
SCHRODER, Astrid RW
(74) J.M.H. Duyver lic.
(31) 615533 P
(32) 30.09.2004
(33) United States of America
(47) 06.11.2019

(51) C21D 8/12
H01F 1/147
(11) EP2675927
(21) EP11761066.7
(22) 22.09.2011
(54) METHOD FOR PRODUCING A GRAIN-ORIENTED FLAT STEEL PRODUCT
(73) ThyssenKrupp Electrical Steel GmbH
(72) DUMAN, Eyup
HOLZAPFEL, Christof
KRENKE, Thorsten
LAHN, Ludger
LEMAITRE, Régis
WANG, Chaoyong
BELGRAND, Thierry
(74) ir. A. Blokland c.s.
(31) 102011000712
(32) 14.02.2011
(33) Germany
(47) 18.09.2019

(51) C23C 2/00
C23C 2/20
(11) EP3344792
(21) EP16748105.0
(22) 01.08.2016
(54) APPARATUS FOR THE TREATMENT OF A METAL STRIP
(73) Fontaine Engineering und Maschinen GmbH
(72) FONTAINE, Pascal
FONTAINE, Dominique
(74) ir. H.A. Witmans c.s.
(31) 102015216721
(32) 01.09.2015
(33) Germany
(47) 02.10.2019

(51) C25B 1/02
C25B 1/04
C25B 1/10
C25B 9/08
C25B 9/20
C25B 11/03
C25B 11/04
C25B 11/06
(11) EP3351659
(21) EP16846663.9
(22) 16.09.2016
(54) POSITIVE ELECTRODE FOR WATER ELECTROLYSIS, ELECTROLYSIS CELL AND METHOD FOR PRODUCING POSITIVE ELECTRODE FOR WATER ELECTROLYSIS
(73) Asahi Kasei Kabushiki Kaisha
National University Corporation Yokohama National University
(72) HIRANO, Toshiyuki
FUJIMOTO, Norikazu
MITSUSHIMA, Shigenori
MATSUZAWA, Koichi
BI, Jiajin
(74) J.M.H. Duyver lic.
(31) 2015185812
(32) 18.09.2015
(33) Japan
(47) 13.11.2019

(51) C30B 29/06
C30B 33/10
H01L 21/02
H01S 5/323
H01L 33/00
H01L 33/16
H01L 33/32
(11) EP2513983
(21) EP10842599.2
(22) 16.12.2010
(54) METHOD OF MANUFACTURING A GALLIUM NITRIDE WAFER SUBSTRATE FOR SOLID STATE LIGHTING DEVICES
(73) Qromis, Inc.
(72) LOCHTEFELD, Anthony
MARCHAND, Hugues
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 286828 P
969302
(32) 16.12.2009
15.12.2010
(33) United States of America
United States of America
(47) 04.09.2019

(51) D01F 6/84
B33Y 70/00
B29C 64/118
(11) EP3296084
(21) EP16792720.1
(22) 11.05.2016
(54) FILAMENT FOR MATERIAL EXTRUSION-TYPE THREE-DIMENSIONAL PRINTERS, WOUND BODY COMPOSED OF SAID FILAMENT, CARTRIDGE CONTAINING SAID FILAMENT, AND METHOD FOR PRODUCING RESIN MOLDED ARTICLE USING SAID FILAMENT
(73) MITSUBISHI CHEMICAL CORPORATION
(72) YAMASHITA, Kosei
FUROMOTO, Shigeyuki
(74) ir. A. Blokland c.s.
(31) 2015098368
(32) 13.05.2015
(33) Japan
(47) 09.10.2019

(51) D06F 67/08
(11) EP2554741
(21) EP12179006.7
(22) 02.08.2012
(54) Bed for ironing device
(73) Laco Machinery NV
(72) Lapauw, Dominique
(74) dr. A. Ellens c.s.
(31) 201100483
(32) 05.08.2011
(33) Belgium
(47) 09.10.2019

(51) D07B 1/02
D07B 5/00
(11) EP3215671
(21) EP15787576.6
(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
(74) ir. H.A. Witmans c.s.
(31) 508082014
(32) 05.11.2014

(33) Austria
(47) 11.09.2019

(51) D07B 3/10
D07B 7/02
(11) EP2714986
(21) EP12728769.6
(22) 25.05.2012
(54) WIRE GUIDE AND FLYER BOW COMPRISING SAID WIRE GUIDE
(73) Setic SAS
(72) BOUJAADA, Mostafa
GIANONCELLI, Denis
RONDEPIERRE, Sophie
(74) ir. H.A. Witmans c.s.
(31) 1101643
(32) 27.05.2011
(33) France
(47) 18.09.2019

(51) E01B 7/12
(11) EP3312341
(21) EP17196576.7
(22) 16.10.2017
(54) WING RAILS OF A FROG AND METHOD FOR PRODUCING A FROG
(73) voestalpine VAE GmbH
voestalpine BWG GmbH
(72) ROHLMANN, Dipl.-Ing. Johannes
SCHMOCK, Dipl.-Ing. Martin
HASELOFF, Dipl.-Ing. (FH) Nils
(74) ir. J.C. Volmer c.s.
(31) 102016120200
(32) 24.10.2016
(33) Germany
(47) 25.09.2019

(51) E01C 19/00
E02F 3/00
E02F 3/84
E02F 9/20
E02F 9/22
E02F 9/26
G05D 1/02
G01S 19/25
G01S 19/41
G01S 19/45
(11) EP3106899
(21) EP15172394.7
(22) 16.06.2015
(54) REFERENCED VEHICLE CONTROL SYSTEM
(73) Leica Geosystems AG
(72) MAZUR, Chris
BAKKER, Adriaan
KURZ, Alexander
(74) ir. H.A. Witmans c.s.
(47) 18.09.2019

(51) E01D 19/10
E04G 1/15
E04G 3/24
E04G 13/06
(11) EP3221519
(21) EP15801195.7
(22) 20.11.2015
(54) SCAFFOLDING ARRANGEMENT
(73) Fast Beam Oy
(72) SILTALA, Timo
HYVÖNEN, Antti
(74) J.M.H. Duyver lic.
(31) PCT/FI2014/050893
(32) 21.11.2014
(33) World Intellectual Property Office (WIPO)
(47) 18.09.2019

(51) E01F 8/02
(11) EP3322855
(21) EP16739416.2
(22) 16.07.2016
(54) WALL AND FUNCTIONAL ELEMENT FOR REDUCING FINE DUST POLLUTION
(73) Ed. Züblin Aktiengesellschaft
(72) KUGLER, Andreas
(74) drs. C.M.A. Quintelier
(31) 102015009275
(32) 16.07.2015
(33) Germany
(47) 11.09.2019

(51) E01F 13/04
(11) EP3341524
(21) EP16753682.0
(22) 26.07.2016
(54) SECURITY BARRIER APPARATUS AND METHOD OF OPERATION THEREOF
(73) Heald Technologies Ltd
(72) HEALD, Jonathan Roderic
(74) dr. A. Krebs
(31) 201514970
(32) 24.08.2015
(33) United Kingdom
(47) 06.11.2019

(51) E02B 17/00
E04H 12/00
E04H 12/10
(11) EP3198092
(21) EP15763036.9
(22) 16.09.2015
(54) TRANSITION PIECE FOR WIND TURBINES AND CONNECTING STRUCTURES
(73) innogy SE
(72) BARTMINN, Daniel
(74) ir. W.J.J.M. Kempes
(31) 102014219482
(32) 25.09.2014
(33) Germany
(47) 11.09.2019

(51) E02D 3/054
(11) EP3237687
(21) EP15823601.8
(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
(74) dr. W.A.H.M. Van Borm
(31) 102014019138
(32) 23.12.2014
(33) Germany
(47) 11.09.2019

(51) E02D 5/22
E02D 5/28
E02D 5/30
E02D 5/50
E02D 27/42
F03D 13/20
(11) EP3262240
(21) EP16707033.3
(22) 23.02.2016
(54) WIND POWER PLANT FOUNDATION AND WIND POWER PLANT
(73) Wobben Properties GmbH
(72) BERAMENDI ORTEGA, Hugo Rodrigo
RANDEL, Britta
KERSTEN, Roy
(74) ir. H.A. Witmans c.s.
(31) 102015203574
(32) 27.02.2015
(33) Germany
(47) 06.11.2019

(51) E02D 29/14
E05B 35/00
E05C 3/12
(11) EP3106569
(21) EP15003681.2
(22) 29.12.2015
(54) CLOSURE, PARTICULARLY FOR CLOSING CONSTRUCTION AND TECHNOLOGICAL APERTURES
(73) BERNDORF BÄDERBAU, s.r.o.
(72) Cieslar, Rudolf
(74) ir. P.J. Hylarides c.s.
(31) 20150408
201531222 U
(32) 18.06.2015
18.06.2015
(33) Czech Republic
Czech Republic
(47) 04.09.2019

(51) E02F 5/08
E02F 5/10
E02F 5/12
E02F 5/14
F16L 1/032
G02B 6/50
H02G 1/06
H02G 9/02
(11) EP2847836
(21) EP13788540.6
(22) 08.05.2013
(54) MACHINE FOR SAWING TRENCHES AND PLACING DUCTS/CABLES
(73) DellCron Innovation AB
(72) GUSTAVSSON, Conny
HULTMAN, Hasse
(74) ir. W.J.J.M. Kempes
(31) 1250478
(32) 10.05.2012
(33) Sweden
(47) 11.09.2019

(51) E04B 1/00
E04B 2/90
E06B 3/42
E06B 3/46
(11) EP2841658
(21) EP13780616.2
(22) 23.04.2013
(54) BALCONY GLAZING ARRANGEMENT
(73) Nordiska Balco AB
(72) BJÖRKMAN, Lars
(74) ir. C.G.C. Veldman-Dijkers
(31) 1250398
(32) 23.04.2012
(33) Sweden
(47) 23.10.2019

(51) E04B 1/38
E04B 1/41
E04B 2/02
E04B 2/08
E04B 2/72
E04C 1/00
E04F 13/08
E04F 13/14
(11) EP2683887
(21) EP12754637.2
(22) 08.03.2012
(54) CLIPS FOR THIN BRICK WALL SYSTEM
(73) Quadrosera Corporation
(72) HUFF, Robert
(74) ir. W.J.J.M. Kempes
(31) 201161450676 P
(32) 09.03.2011
(33) United States of America
(47) 11.09.2019

(51) E04B 2/96
E04C 3/04
E04C 3/10
E04C 5/12
(11) EP3034714
(21) EP15201437.9
(22) 18.12.2015
(54) CLAMPING DEVICE FOR REINFORCING HOLLOW PROFILES AND USE OF THE SAME
(73) heroal- Johann Henkenjohann GmbH & Co. KG
(72) Gockel, Ernst
(74) ir. A. Blokland c.s.
(31) 102014119213
(32) 19.12.2014
(33) Germany
(47) 20.11.2019

(51) E04B 5/32
E04C 5/06
E04C 5/065
E04C 5/20
(11) EP3045605
(21) EP15405004.1
(22) 16.01.2015
(54) MODULE FOR PRODUCING CONCRETE ELEMENTS
(73) Heinze Gruppe Verwaltungs GmbH
(72) Miedzik, Georg
Meier, Hugo
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 04.09.2019

(51) E04C 3/34
E04C 5/07
E04G 23/02
F16L 55/165
F16L 55/168
F16L 55/175
F16L 57/02
F16L 57/06
(11) EP3167221
(21) EP15747269.7
(22) 07.07.2015
(54) METHOD OF REINFORCING A STRUCTURAL MEMBER AND DEVICE THEREFOR
(73) Milliken & Company
(72) WITHERS, Genevieve Janet
SOUZA, James Michael
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201414120891
(32) 09.07.2014
(33) United States of America
(47) 02.10.2019

(51) E04C 5/065
E04C 5/18
(11) EP3341535
(21) EP16762741.3
(22) 23.08.2016
(54) SPACER FOR CONCRETE REINFORCEMENTS
(73) Intersig NV
(72) VAN DEN BROECKE, Hugo
(74) dr. A. Ellens c.s.
(31) 201505529
(32) 25.08.2015
(33) Belgium
(47) 02.10.2019

(51) E04D 13/072
(11) EP2463455
(21) EP11192151.6
(22) 06.12.2011
(54) Device for supporting and attaching a construction accessory such as a gutter hook to a roof cover
(73) Frenehard
(72) LEPREVOST, Frédéric
Aubertot, Franck
(74) J.M.H. Duyver lic.
(31) 1060311
(32) 09.12.2010
(33) France
(47) 02.10.2019

(51) E04F 10/02
E04F 10/06
(11) EP3336275
(21) EP17195761.6
(22) 10.10.2017
(54) AWNING CLOTH FIXING AND GUIDING DEVICE
(73) markilux GmbH + Co. KG
(72) Becks, Daniel
Kröner, Sven
(74) ir. J.C. Volmer c.s.
(31) 102016224876
(32) 13.12.2016
(33) Germany
(47) 02.10.2019

(51) E04F 10/02
E04F 10/10
E06B 9/40
(11) EP3286386
(21) EP16724441.7
(22) 21.04.2016
(54) MODULAR MULTIFUNCTIONAL SHADING DEVICE, NOTABLY FOR A PERGOLA
(73) Castel, Jean-Louis
(72) Castel, Jean-Louis
(74) ir. A. Blokland c.s.
(31) 1553713
(32) 24.04.2015
(33) France
(47) 04.09.2019

(51) E04F 13/00
F21S 8/00
H05B 33/08
H05B 37/02
H05B 37/04
F21S 2/00
F21Y 105/10
F21Y 115/10
(11) EP3133334
(21) EP16001523.6
(22) 08.07.2016
(54) MODULAR LIGHTING SYSTEM HAVING COMMUNICATION MEANS
(73) volatiles lighting GmbH
(72) Schutz, René
Rhiel, Daniel
(74) ir. W.J.J.M. Kempes
(31) 102015111276
(32) 13.07.2015
(33) Germany
(47) 11.09.2019

(51) E04F 13/08
(11) EP3348745
(21) EP18150943.1
(22) 10.01.2018
(54) METHOD FOR THE FINISHING OF A SUBSTRUCTURE OF A WALL OR A ROOF AND ACCESSORY APPLIED THEREBY
(73) COOPERIO, besloten vennootschap met beperkte aansprakelijkheid
(72) BREUGELMANS, Koen
(31) 201705014
(32) 12.01.2017
(33) Belgium
(47) 30.10.2019

(51) E04F 13/08
E04F 13/10
(11) EP3470599
(21) EP17196384.6
(22) 13.10.2017
(54) OSB BOARD AND USE OF SAME
(73) SWISS KRONO Tec AG
(72) SAUTER, Harald
(74) ir. H.A. Witmans c.s.
(47) 11.09.2019

(51) E04F 13/08
E04F 13/12
(11) EP3325735
(21) EP16742250.0
(22) 20.07.2016
(54) FACADE FOR A BUILDING, COMPOSED OF COMPOSITE ELEMENTS
(73) BASF SE
(72) HENSIEK, Rainer
THATER, Michael
BROCKMUELLER, Kay Michael
WUEST, Andreas
HENSEL, Torsten
FABISIAK, Roland
(74) ir. W.J.J.M. Kempes
(31) 15178366
(32) 24.07.2015
(33) European Patent Office (EPO)
(47) 25.09.2019

(51) E04F 13/08
E04F 13/18
E04F 15/02
(11) EP2634325
(21) EP13157473.3

(22) 01.03.2013
(54) Method for mounting wall panels
(73) Reco Surfaces Limited
(72) Fleet, Charles
(74) dr. A. Krebs
(31) 201203707
(32) 02.03.2012
(33) United Kingdom
(47) 11.09.2019

(51) E04F 15/02
(11) EP2923012
(21) EP13857637.6
(22) 21.11.2013
(54) MECHANICAL LOCKING SYSTEM FOR FLOOR PANELS
(73) Ceraloc Innovation AB
(72) PERVAN, Darko
(31) 1251322
(32) 22.11.2012
(33) Sweden
(47) 16.10.2019

(51) E04H 1/04
(11) EP3189195
(21) EP15754170.7
(22) 19.08.2015
(54) HIGH-RISE BUILDING WITH A NUMBER OF N FLOORS AND A VENT SHAFT
(73) Swiss Raltec GmbH
(72) ERMER, Horst A.
(74) ir. J.C. Volmer c.s.
(31) 102014112834
(32) 05.09.2014
(33) Germany
(47) 16.10.2019

(51) E04H 4/00
(11) EP3329068
(21) EP16795402.3
(22) 27.07.2016
(54) DYNAMIC ARTIFICIAL WAVE INSTALLATIONS FOR SURFING
(73) Hequily, Laurent
(72) Hequily, Laurent
(74) ir. W.J.J.M. Kempes
(31) 1557225
(32) 28.07.2015
(33) France
(47) 04.09.2019

(51) E05B 9/04
E05B 47/00
E05B 47/06
(11) EP3348751
(21) EP17151663.6
(22) 16.01.2017
(54) ELECTRONIC LOCKING CYLINDER
(73) BKS GmbH
(72) KNAPPIK, Daniel
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 09.10.2019

(51) E05B 15/02
(11) EP2604777
(21) EP12194552.1
(22) 28.11.2012
(54) Lock profile
(73) KFV Karl Fliether GmbH & Co. KG
(72) Kowalzick, Holger
Czernecki, Darius
(74) ir. H.A. Witmans c.s.
(31) 202011109116 U
(32) 15.12.2011
(33) Germany
(47) 23.10.2019

(51) E05B 15/02
E05B 47/00
(11) EP3374581
(21) EP16781457.3
(22) 14.10.2016
(54) LOCKING STRIP
(73) KFV Karl Fliether GmbH & Co. KG
(72) CZERNECKI, Darius
HÖRTER, Torsten
WAASELS, Jan
(74) ir. H.A. Witmans c.s.
(31) 202015007714 U
(32) 10.11.2015
(33) Germany
(47) 09.10.2019

(51) E05B 21/06
(11) EP3045620
(21) EP15202566.4
(22) 23.12.2015
(54) LOCKING CYLINDER
(73) ABUS August Bremicker Söhne KG
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014119676
(32) 29.12.2014
(33) Germany
(47) 09.10.2019

(51) E05B 47/06
E05B 63/00
G07C 9/00
(11) EP3477027
(21) EP18194663.3
(22) 14.09.2018
(54) ASSEMBLY COMPRISING AN ELECTRONIC LOCK AND AN ELECTRONIC KEY
(73) Cogelec
(72) VIOT, Ambroise
(74) ir. W.J.J.M. Kempes
(31) 1760198
(32) 27.10.2017
(33) France
(47) 04.09.2019

(51) E06B 7/082
F24F 13/075
F24F 13/08
(11) EP2431680
(21) EP11181329.1
(22) 15.09.2011
(54) Burglar-resistant ventilation grille
(73) Renson Sunprotection Projects nv
Renson, Paul
(72) Losfeld, Frederik Ronny Willy
Houfflyn, John Urbain
(74) dr. W.A.H.M. Van Borm
(31) 201000551
(32) 15.09.2010
(33) Belgium
(47) 20.11.2019

(51) E21B 19/16
E21B 44/00
G01B 11/27
(11) EP2458135
(21) EP11190242.5
(22) 23.11.2011
(54) Method and device for semi-automatic adjustment of a handling device
(73) BENTEC GMBH Drilling & Oilfield Systems
(72) Aalderink, Jan
(74) drs. C.M.A. Quintelier
(31) 102010060823
(32) 26.11.2010
(33) Germany
(47) 13.11.2019

(51) E21B 21/08
E21B 37/00
E21B 49/00
G01L 11/00
E21B 47/06
(11) EP3234307
(21) EP14908573.0
(22) 17.12.2014
(54) METHOD OF PRESSURE TESTING A WELLBORE
(73) National Oilwell DHT, L.P.
(72) VEENINGEN, Daniel Marco
(74) dr. A. Krebs
(47) 20.11.2019

(51) E21B 29/00
E21B 33/12
E21B 34/06
(11) EP3303761
(21) EP16738886.7
(22) 31.05.2016
(54) DESTRUCTION MECHANISM FOR A DISOLVABLE SEALING DEVICE
(73) TCO AS
(72) BRANDSDAL, Viggo
TVERANGER, Jan Tore
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20150701
(32) 01.06.2015
(33) Norway
(47) 11.09.2019

(51) E21B 33/06
(11) EP3400365
(21) EP16702241.7
(22) 07.01.2016
(54) BLOWOUT PREVENTER WITH INTERLOCKING RAM ASSEMBLY AND METHOD OF USING SAME
(73) National Oilwell Varco, L.P.
(72) DOUTY, James A.
MELANCON, Jeffrey T.
(74) drs. C.M.A. Quintelier
(47) 13.11.2019

(51) E21B 33/12
E21B 34/06
E21B 43/04
E21B 43/08
E21B 43/12
(11) EP2748420
(21) EP12826352.2
(22) 02.08.2012
(54) SYSTEMS AND METHODS FOR GRAVEL PACKING WELLS
(73) Halliburton Energy Services Inc.
(72) TECHENTIEN, Bruce Wallace
FITZPATRICK, JR., Harvey Joseph
(74) mr.ir. F.N. Ferro

(31) 201113217869
(32) 25.08.2011
(33) United States of America
(47) 02.10.2019

(51) E21B 41/00
G01V 9/00
G06F 17/50
G06G 7/48
(11) EP2599028
(21) EP11812880.0
(22) 25.04.2011
(54) METHOD AND SYSTEM FOR PARALLEL MULTILEVEL SIMULATION
(73) ExxonMobil Upstream Research Company
(72) MALIASSOV, Serguei
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 367713 P
(32) 26.07.2010
(33) United States of America
(47) 02.10.2019

(51) E21B 43/116
E21B 43/117
E21B 43/1185
(11) EP3108091
(21) EP15796416.4
(22) 22.05.2015
(54) BOX BY PIN PERFORATING GUN SYSTEM AND METHODS
(73) Hunting Titan Inc.
(72) BRADLEY, Richard Wayne
COLLINS, William Richard
JORDAN, John W.
LANE, Andy
LANGFORD, Dale
LEVINE, Charles
PUNDOLE, Faraidoon
(74) ir. A.R. Aalbers
(31) 201462002565 P
(32) 23.05.2014
(33) United States of America
(47) 02.10.2019

(51) E21B 43/20
(11) EP2438265
(21) EP10726159.6
(22) 26.05.2010
(54) METHOD AND SYSTEM FOR CONFIGURING CRUDE OIL DISPLACEMENT SYSTEM
(73) BP Exploration Operating Company Limited
(72) COLLINS, Ian, Ralph
HOUSTON, Stephanie, Jane
WEBB, Kevin, John
(74) ir. F.A. Geurts c.s.
(31) 09251481
(32) 03.06.2009
(33) European Patent Office (EPO)
(47) 18.09.2019

(51) F01D 1/32
(11) EP2788582
(21) EP12806660.2
(22) 15.11.2012
(54) METHOD FOR PRODUCING MECHANICAL WORK
(73) Solaris Holdings Limited
(72) UMAROV, Georgy Ramasanovich
BOYCHENKO, Sergey Ivanovich
KHEMKA, Shiv Vikram
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201121189
(32) 07.12.2011
(33) United Kingdom
(47) 06.11.2019

(51) F01D 15/08
F01D 15/10
F02C 7/275
(11) EP2917504
(21) EP13789279.0
(22) 07.11.2013
(54) GAS TURBINE IN MECHANICAL DRIVE APPLICATIONS AND OPERATING METHODS
(73) Nuovo Pignone S.r.l.
(72) SCARPONI, Marco
PELAGOTTI, Antonio
BIANCHI, Paulo
NALDI, Lorenzo
MILANI, Guiliano
ANTONINI, Claudio
DELL'ANNA, Graziano
BATTAGLI, Paolo
LIBRASCHI, Mirko
LAZZARI, Annunzio
AGOSTINI, Damiano
(31) FI20120245
(32) 08.11.2012
(33) Italy
(47) 25.09.2019

(51) F01D 25/16
F02C 7/06
(11) EP3294995
(21) EP16726797.0
(22) 10.05.2016
(54) CONTAINMENT SLEEVE OF A TURBOMACHINERY BEARING AND TURBOMACHINERY EQUIPPED WITH SAID SLEEVE
(73) NUOVO PIGNONE TECNOLOGIE SRL
(72) SIGNORI, Andrea
(31) MI20150661
(32) 12.05.2015
(33) Italy
(47) 27.02.2019

(51) F01K 15/02
F01K 23/06
F02B 41/10
F02G 5/04
(11) EP3192986
(21) EP17156375.2
(22) 08.04.2013
(54) TURBO-COMPOUND SYSTEM
(73) FPT Motorenforschung AG
(72) FESSLER, Harald
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 09.10.2019

(51) F01M 13/00
F01M 13/04
F02F 7/00
F02F 11/00
F16B 5/02
F16M 1/026
(11) EP2587036
(21) EP12005198.2
(22) 14.07.2012
(54) Combustion engine
(73) MAN Truck & Bus SE
(72) Sengstock, Harald
Dietmair, Andreas
Fakler, Udo
Rudert, Tino
(74) J.M.H. Duyver lic.
(31) 102011116934
(32) 26.10.2011
(33) Germany
(47) 09.10.2019

(51) F01N 3/025
F01N 9/00
F02D 41/02
(11) EP3230565
(21) EP15825826.9
(22) 09.12.2015
(54) METHOD AND SYSTEM FOR MANAGING A REGENERATION OF A PARTICULATE FILTER
(73) FPT Industrial S.p.A.
(72) CERCIELLO, Giovanni
VITIELLO, Angela
(74) ir. J.C. Volmer c.s.
(31) TO20141018
(32) 09.12.2014
(33) Italy
(47) 27.11.2019

(51) F02B 75/06
(11) EP3088701
(21) EP16000960.1
(22) 09.08.2011
(54) PISTON WITH PIVOT BEARINGS AND DOUBLE CRANKSHAFT PISTON ENGINE
(73) Neander Motors AG
(72) Betzmeier, Helmut
Kirk, John David
(74) ir. A. Blokland c.s.
(31) 807413
(32) 04.09.2010
(33) United States of America
(47) 04.12.2019

(51) F02C 1/05
F02C 1/08
F02C 6/14
(11) EP2802756
(21) EP13701867.7
(22) 10.01.2013
(54) ELECTRICITY GENERATION DEVICE AND METHOD
(73) Highview Enterprises Limited
(72) HARRIS, John Daniel Alastair
MORGAN, Robert
BRETT, Stephen Gareth
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201200548
(32) 13.01.2012
(33) United Kingdom
(47) 09.10.2019

(51) F02K 9/34
F02K 9/74
F02K 9/95
F42B 15/10
(11) EP3165758
(21) EP16197358.1
(22) 04.11.2016
(54) EJECTION ENGINE HAVING AN ANNULAR COMBUSTION CHAMBER
(73) Bayern-Chemie Gesellschaft für flugchemische Antriebe mbH

(72) Bartinger, Franz
Hacker, Andreas
Niedermaier, Helmut
Stadler, Ludwig
(74) ir. A.R. Aalbers
(31) 102015119003
(32) 05.11.2015
(33) Germany
(47) 04.09.2019

(51) F04B 43/067
F04B 53/10
F04B 53/16
F04B 53/22
(11) EP3030784
(21) EP14736732.0
(22) 02.07.2014
(54) POSITIVE DISPLACEMENT PUMP
(73) MHWirth GmbH
(72) JÄGER, Norbert
KARWOWSKI, Andreas
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102013108672
(32) 09.08.2013
(33) Germany
(47) 04.09.2019

(51) F04C 28/18
(11) EP3189237
(21) EP15747426.3
(22) 30.07.2015
(54) ECCENTRIC SCREW PUMP
(73) Seepex GmbH
(72) STUMPF, Oliver
DICKS, Norman
HARKING, Julian
(74) mr. ir. J. van Breda c.s.
(31) 102014112552
(32) 01.09.2014
(33) Germany
(47) 18.09.2019

(51) F04D 1/00
F04D 9/00
F04D 29/42
F16K 15/06
F16K 15/18
F16K 24/00
(11) EP3225851
(21) EP17162395.2
(22) 22.03.2017
(54) WATER PUMP WITH CHECK VALVE
(73) Oase GmbH
(72) Ansgar, Paul
(74) ir. J.C. Volmer c.s.
(31) 102016106039
(32) 01.04.2016
(33) Germany
(47) 16.10.2019

(51) F04D 23/00
(11) EP2825776
(21) EP13715318.5
(22) 14.03.2013
(54) ROTARY COMPRESSOR PROVIDED WITH AT LEAST ONE SIDE CHANNEL
(73) Chiaffi, Michel
(72) Chiaffi, Michel
(74) ir. H.A. Witmans c.s.
(31) 1252301
(32) 14.03.2012
(33) France
(47) 04.09.2019

(51) F04D 29/28
F04D 29/30
F04D 29/66
(11) EP2620651
(21) EP11852352.1
(22) 06.12.2011
(54) CENTRIFUGAL COMPRESSOR IMPELLER
(73) Mitsubishi Heavy Industries, Ltd.
(72) TOMITA, Isao
HOSHI, Toru
(74) ir. F.A. Geurts c.s.
(31) 2010294078
(32) 28.12.2010
(33) Japan
(47) 23.10.2019

(51) F16B 13/14
(11) EP3286442
(21) EP16713737.1
(22) 01.04.2016
(54) FILLING DISK FOR A ROD-SHAPED ARMATURE AND ARRANGEMENT COMPRISING AN ARMATURE AND SUCH A FILLING DISK
(73) fischerwerke GmbH & Co. KG
(72) DIXA, Raphael
(74) ir. H.J.G. Lips c.s.
(31) 102015105959
(32) 20.04.2015
(33) Germany
(47) 23.10.2019

(51) F16C 17/02
F16C 17/10
F16C 19/38
F16C 21/00
F16C 33/58
F16C 33/60
(11) EP3350463
(21) EP16748264.5
(22) 26.07.2016
(54) ROTARY BEARING
(73) Liebherr-Components Biberach GmbH
(72) SAUTER, Herbert
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 202015006588 U
(32) 18.09.2015
(33) Germany
(47) 09.10.2019

(51) F16C 17/10
F16C 33/08
H01J 35/10
(11) EP3246933
(21) EP15877924.9
(22) 26.10.2015
(54) ROTATING ANODE TYPE X-RAY TUBE
(73) Canon Electron Tubes & Devices Co., Ltd.
(72) YONEZAWA, Tetsuya
(74) ir. F.A. Geurts c.s.
(31) 2015006833
(32) 16.01.2015
(33) Japan
(47) 16.10.2019

(51) F16D 65/18
H02K 5/15
H02K 7/102
H02K 7/116
F16D 121/22
(11) EP3289670
(21) EP16707390.7
(22) 02.03.2016
(54) TRANSMISSION SYSTEM
(73) Sew-Eurodrive GmbH & Co. KG
(72) TRIEBSWETTER, Andreas
FREY, Marc
(74) mr. ir. J. van Breda c.s.
(31) 102015005360
(32) 28.04.2015
(33) Germany
(47) 30.10.2019

(51) F16F 1/26
(11) EP2455635
(21) EP11008980.2
(22) 11.11.2011
(54) Leaf spring and method for producing the same
(73) Hendrickson Commercial Vehicle Systems Europe GmbH
(72) Bernhauser, Reinhold
Brunnhofer, Herbert
Hochfellner, Rainer
Jelinek, Helfried
Knuts, Konrad
Kühnelt, Gerhard
Leonards, Rainer
Madl, Sigfried
Nattland, Friedhelm
Rudlstorfer, Bruno
Schlottmann, Andreas
Winckler, Fred
Zamberger, Jörg
(74) ir. P.J. Hylarides c.s.
(31) 102010051560
(32) 18.11.2010
(33) Germany
(47) 09.10.2019

(51) F16F 9/512
(11) EP3022460
(21) EP14790144.1
(22) 17.07.2014
(54) SHOCK ABSORBER FOR A VEHICLE
(73) Bossard, Olivier
(72) Bossard, Olivier
(74) J.M.H. Duyver lic.
(31) 1357017
(32) 17.07.2013
(33) France
(47) 11.09.2019

(51) F16H 1/12
F16H 1/20
H02K 1/18
H02K 7/102
H02K 7/106
H02K 7/116
H02K 15/14
H02K 11/00
H02K 11/33
H02K 11/38
(11) EP2264864
(21) EP10010185.6
(22) 11.11.2004
(54) COMPACT DRIVE
(73) SEW-EURODRIVE GmbH & Co. KG
(72) Schmidt, Josef
Köhler, Bernhard

Leichter, Thomas
Mahlein, Jochen
(74) mr. ir. J. van Breda c.s.
(31) 10353226
PCT/EP4011/150
(32) 13.11.2003
06.10.2004
(33) Germany
World Intellectual Property Office (WIPO)
(47) 02.10.2019

(51) F16H 19/04
F16K 31/53
(11) EP3356710
(21) EP16777766.3
(22) 29.09.2016
(54) VALVE
(73) Goodwin PLC
(72) SATTELBERG, Manfred
GOODWIN, Matthew Stanley
PRESTON, Timothy James
ROOT, Paul Michael
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201517368
(32) 01.10.2015
(33) United Kingdom
(47) 30.10.2019

(51) F16J 15/52
B29C 48/09
B29C 48/11
B29C 48/12
B29C 48/25
B29C 48/90
(11) EP2879856
(21) EP13736865.0
(22) 05.07.2013
(54) SEAL FOR USE IN AN EXTRUSION DEVICE
(73) KraussMaffei Technologies GmbH
(72) ALTMANN, Aron
GEYER, Mathias
(74) ir. F.A. Geurts c.s.
(31) 102012106035
(32) 05.07.2012
(33) Germany
(47) 09.10.2019

(51) F16K 31/04
(11) EP2045494
(21) EP08017208.3
(22) 30.09.2008
(54) Electronic bypass system for a fluid treatment system
(73) CULLIGAN INTERNATIONAL COMPANY
(72) Quinn, Kerry
Connolly, Allan
(74) ir. A. Blokland c.s.
(31) 997353 P
(32) 02.10.2007
(33) United States of America
(47) 04.09.2019

(51) F16L 1/16
F16L 1/24
(11) EP3259513
(21) EP16717194.1
(22) 11.02.2016
(54) LOWERING BUOYANT STRUCTURES IN WATER
(73) Acergy France SAS
(72) BOMBINO, Stéphane
(74) ir. H.Th. van den Heuvel c.s.
(31) 201502725
(32) 18.02.2015
(33) United Kingdom
(47) 02.10.2019

(51) F16L 1/19
F16L 1/20
F16L 1/23
(11) EP2951478
(21) EP14704182.6
(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
(74) ir. J.C. Volmer c.s.
(31) 2010235
2010280
(32) 01.02.2013
08.02.2013
(33) Netherlands
Netherlands
(47) 11.09.2019

(51) F16L 5/12
F16L 25/00
F16L 37/14
(11) EP3394492
(21) EP15828502.3
(22) 23.12.2015
(54) A FITTING ASSEMBLY FOR CORRUGATED TUBING
(73) Gebwell Oy
(72) AHLFORS, Mikko
(74) ir. H.A. Witmans c.s.
(47) 02.10.2019

(51) F16L 37/091
F16L 37/092
(11) EP3425253
(21) EP18181928.5
(22) 05.07.2018
(54) PIPE COUPLING
(73) M & G Group Europe B.V.
(72) van Hoorn, Hendrik
Pepping, Klaas Jan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2019193
(32) 06.07.2017
(33) Netherlands
(47) 09.10.2019

(51) F16M 11/04
F16M 11/12
F16M 11/20
G09B 9/12
(11) EP3400399
(21) EP16829299.3
(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
(74) J.M.H. Duyver lic.
(31) 1650094
(32) 06.01.2016
(33) France
(47) 11.09.2019

(51) F16M 11/04
F16M 11/14
F16M 11/20
(11) EP2984379
(21) EP14717507.9
(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
(74) ir. H.A. Witmans c.s.
(31) 2010596
(32) 09.04.2013
(33) Netherlands
(47) 11.09.2019

(51) F17C 6/00
F17C 9/00
F17C 13/02
(11) EP3359867
(21) EP16793944.6
(22) 05.10.2016
(54) METHOD FOR SUPPLYING CRYOGENIC LIQUID, AND FACILITY FOR IMPLEMENTING SAID METHOD
(73) Cryostar SAS
(72) OURY, Simon
(74) ir. W.J.J.M. Kempes
(31) 1559472
(32) 05.10.2015
(33) France
(47) 02.10.2019

(51) F17C 7/02
(11) EP2738442
(21) EP13195167.5
(22) 29.11.2013
(54) Heat management system and method for cryogenic liquid dispensing systems
(73) Chart Inc.
(72) Drube, Thomas
Zaruba, Petr
(74) ir. H.A. Witmans c.s.
(31) 201261731981 P
(32) 30.11.2012
(33) United States of America
(47) 18.09.2019

(51) F23D 11/38
F23R 3/28
F23R 3/34
(11) EP3377819
(21) EP16802148.3
(22) 18.11.2016
(54) METHOD FOR RECONDITIONING FUEL NOZZLE ASSEMBLIES
(73) Ansaldo Energia Switzerland AG
(72) MARCHAL, N. Darius
MCGHEE, Michael
(74) mr. ir. J. van Breda c.s.
(31) 201562257575 P
(32) 19.11.2015
(33) United States of America
(47) 16.10.2019

(51) F23J 13/04
G01V 15/00

(11) EP3040612
(21) EP15200363.8
(22) 16.12.2015
(54) FLUE PIPES AND A GAS APPLIANCE CONNECTED WITH THE FLUE PIPES
(73) Vaillant (Wuxi) Heating Equipment Co., Ltd.
(72) Lüttgens, Kay-Bernd
Fischer, Christian
Lehminger, Stefan
(74) J.M.H. Duyver lic.
(31) 201410857775
(32) 31.12.2014
(33) China
(47) 30.10.2019

(51) F24C 7/04
F24C 7/08
G06F 3/041
H05B 6/06
(11) EP3190341
(21) EP15837362.1
(22) 15.07.2015
(54) INDUCTION DEVICE AND TEMPERATURE ADJUSTMENT METHOD
(73) Samsung Electronics Co., Ltd.
(72) KANG, Hong-joo
KO, Byung-hwan
BAE, Eun-dae
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20140118069
(32) 04.09.2014
(33) Korea (Republic)
(47) 18.09.2019

(51) F24D 19/10
(11) EP1985932
(21) EP08007175.6
(22) 11.04.2008
(54) Display of an electric device
(73) Robert Bosch GmbH
(72) Schäfer, Frank
(74) ir. H.A. Witmans c.s.
(31) 102007019707
(32) 26.04.2007
(33) Germany
(47) 06.11.2019

(51) F24F 12/00
F28D 20/02
F28F 17/00
F28F 19/00
F24F 11/00
(11) EP2876378
(21) EP14003196.4
(22) 16.09.2014
(54) System for the recovery of heat
(73) FläktGroup Deutschland GmbH
(72) Fieberg, Christian, Dr.
(74) ir. A. Blokland c.s.
(31) 102013018938
(32) 12.11.2013
(33) Germany
(47) 30.10.2019

(51) F24H 1/43
(11) EP2710307
(21) EP12730631.4
(22) 18.05.2012
(54) HEAT EXCHANGER AND PRODUCTION PROCESS
(73) Cosmogas S.R.L.
(72) ALESSANDRINI, Alberto
(74) J.M.H. Duyver lic.
(31) TO20110446
(32) 19.05.2011
(33) Italy
(47) 11.09.2019

(51) F24S 25/00
(11) EP3123081
(21) EP15710818.4
(22) 20.03.2015
(54) ASSEMBLY COMPRISING PROFILES FOR SUPPORTING SOLAR PANELS
(73) Voestalpine Sadef NV
(72) DEPAUW, Marc
(74) ir. W.J.J.M. Kempes
(31) 14161341
(32) 24.03.2014
(33) European Patent Office (EPO)
(47) 16.10.2019

(51) F25B 15/00
F25B 17/00
F25B 49/04
(11) EP3355001
(21) EP17153661.8
(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
(74) ir. H.J.G. Lips c.s.
(47) 11.09.2019

(51) F25D 29/00
(11) EP3290841
(21) EP16186339.4
(22) 30.08.2016
(54) NETWORK VOLTAGE OPERATED REFRIGERATOR APPARATUS
(73) EPPENDORF AG
(72) Clarke, Simon
Mason, George
Poole, Gary
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 02.10.2019

(51) F25J 3/02
(11) EP2147270
(21) EP08805696.5
(22) 23.04.2008
(54) METHOD AND DEVICE FOR SEPARATING A MIXTURE OF HYDROGEN, METHANE AND CARBON MONOXIDE BY CRYOGENIC DISTILLATION
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) BILLY, Jean
HERNANDEZ, Antoine
KHY, Marie-Khuny
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 0754859
(32) 04.05.2007
(33) France
(47) 06.11.2019

(51) F28D 9/04
F28D 20/00
F28F 9/013
F28F 9/02
F28F 21/06
F24T 10/15
(11) EP3156740
(21) EP16001624.2
(22) 10.08.2015
(54) ENERGY STORAGE DEVICE
(73) Mefa Befestigungs- und Montagesysteme GmbH
(72) Schneider, Martin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014012131
(32) 13.08.2014
(33) Germany
(47) 11.09.2019

(51) F28F 3/06
(11) EP2687806
(21) EP13177310.3
(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
(74) J.M.H. Duyver lic.
(31) 201213554075
(32) 20.07.2012
(33) United States of America
(47) 11.09.2019

(51) F28F 27/00
(11) EP3380802
(21) EP16777941.2
(22) 23.09.2016
(54) COOLING TOWER CONTROLLING SYSTEM AND COOLING TOWER CONTROLLING METHOD
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) KANEDA, Takuya
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2015197750
(32) 05.10.2015
(33) Japan
(47) 06.11.2019

(51) F42B 33/06
(11) EP3479052
(21) EP17765091.8
(22) 18.08.2017
(54) METHOD AND DEVICE FOR DISPOSING OF A PIECE OF UNEXPLODED ORDNANCE LYING UNDER WATER
(73) Heinrich Hirdes GmbH
(72) KOELBEL, Jan
(74) drs. C.M.A. Quintelier
(31) 102016115468
(32) 19.08.2016
(33) Germany
(47) 13.11.2019

(51) G01B 5/008
G01H 1/16
(11) EP2449353
(21) EP10800275.9
(22) 28.06.2010
(54) ARTICULATED ARM SYSTEM WITH VIBRATION DETECTION AND

CORRESPONDING OPERATING METHOD
(73) Hexagon Technology Center GmbH
(72) TAIT, Hogar
(74) ir. H.A. Witmans c.s.
(31) 221973 P
(32) 30.06.2009
(33) United States of America
(47) 11.09.2019

(51) G01B 7/06
G01N 27/90
(11) EP2715335
(21) EP12726767.2
(22) 24.05.2012
(54) MEASURING PROBE FOR MEASURING THE THICKNESS OF THIN LAYERS, AND METHOD FOR THE PRODUCTION OF A SENSOR ELEMENT FOR THE MEASURING PROBE
(73) Helmut Fischer GmbH Institut für Elektronik und Messtechnik.
(72) FISCHER, Helmut
(74) ir. H.J.G. Lips c.s.
(31) 102011103122
102011103123
(32) 25.05.2011
25.05.2011
(33) Germany
Germany
(47) 16.10.2019

(51) G01B 9/02
(11) EP2877810
(21) EP13737625.7
(22) 18.07.2013
(54) INTERFEROMETRIC DISTANCE MEASURING ASSEMBLY AND METHOD
(73) Hexagon Technology Center GmbH
(72) JENSEN, Thomas
(74) ir. H.A. Witmans c.s.
(31) 12177582
(32) 24.07.2012
(33) European Patent Office (EPO)
(47) 04.09.2019

(51) G01B 9/02
(11) EP2877811
(21) EP13739218.9
(22) 18.07.2013
(54) INTERFEROMETRIC DISTANCE MEASURING ASSEMBLY AND METHOD
(73) Hexagon Technology Center GmbH
(72) JENSEN, Thomas
(74) ir. H.A. Witmans c.s.
(31) 12177615
(32) 24.07.2012
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) G01B 11/22
G01B 11/25
(11) EP2962062
(21) EP14704953.0
(22) 23.01.2014
(54) CONTEXT-BASED DEPTH SENSOR CONTROL
(73) Google Technology Holdings LLC
(72) LEE, Johnny
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201313780592
(32) 28.02.2013
(33) United States of America
(47) 30.10.2019

(51) G01C 3/08
G01C 11/02
(11) EP2918972
(21) EP14159774.0
(22) 14.03.2014
(54) Method and handheld distance measuring device for generating a spatial model
(73) Leica Geosystems AG
(72) Giger, Kurt
(74) ir. H.A. Witmans c.s.
(47) 09.10.2019

(51) G01C 21/20
G01C 21/32
(11) EP3136054
(21) EP15182890.2
(22) 28.08.2015
(54) METHOD, SYSTEM, AND COMPUTER PROGRAM FOR DETERMINING A PARAMETRIC SITE MODEL FROM MOTION RELATED SENSOR DATA
(73) HERE Global B.V.
(72) DOUSSE, Olivier
KEMPPAINEN, Jarmo
(74) dr. W.A.H.M. Van Borm
(47) 27.11.2019

(51) G01C 21/20
G09B 29/10
(11) EP2526380
(21) EP11701924.0
(22) 21.01.2011
(54) MAP UPDATES FOR LOCATION BASED SERVICES IN INDOOR ENVIRONMENTS
(73) Qualcomm Incorporated
(72) KHORASHADI, Behrooz
DAS, Saumitra Mohan
GUPTA, Rajarshi
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201113010577
297524 P
(32) 20.01.2011
22.01.2010
(33) United States of America
United States of America
(47) 09.10.2019

(51) G01D 3/02
G01D 5/14
G01D 5/16
G01D 5/20
G01D 5/244
G01P 3/487
G01P 3/488
G01P 13/04
G01R 33/09
(11) EP3387387
(21) EP16828919.7
(22) 07.12.2016
(54) MAGNETIC REVOLUTION COUNTER FOR SELF-DETECTING ERROR STATES WHEN DETERMINING NUMBERS OF REVOLUTIONS WHICH CAN BE DETERMINED BY SAID REVOLUTION COUNTER
(73) Leibniz-Institut für Photonische Technologien e.V.
Horst Siedle GmbH & Co. KG.
(72) DIEGEL, Marco
DINGLER, Peter
MATTHEIS, Roland
SCHERZINGER, Manfred
(74) ir. J.C. Volmer c.s.
(31) 102015016164
(32) 11.12.2015
(33) Germany
(47) 23.10.2019

(51) G01D 18/00
G01F 1/84
G01F 25/00
(11) EP2609403
(21) EP10852640.1
(22) 27.08.2010
(54) SENSOR ASSEMBLY VALIDATION
(73) Micro Motion, Inc.
(72) HAYS, Paul J.
MCANALLY, Craig B.
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 16.10.2019

(51) G01F 1/66
(11) EP2920556
(21) EP13854806.0
(22) 11.11.2013
(54) SYSTEM AND METHOD FOR ULTRASONIC METERING USING AN ORIFICE METER FITTING
(73) Daniel Measurement and Control, Inc.
(72) SCHWARZ, Darren Scott
(74) ir. H.A. Witmans c.s.
(31) 201213676287
(32) 14.11.2012
(33) United States of America
(47) 25.09.2019

(51) G01F 1/66
(11) EP3382351
(21) EP17207202.7
(22) 14.12.2017
(54) ULTRASONIC FLOW METER
(73) Ryusok Co., Ltd
(72) MURAKAMI, Eiichi
SAKIYAMA, Kohei
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2017071520
2017169363
(32) 31.03.2017
04.09.2017
(33) Japan
Japan
(47) 09.10.2019

(51) G01F 1/66
G01F 1/74
G01N 29/02
(11) EP3311123
(21) EP16738259.7
(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
(74) ir. H.A. Witmans c.s.

(31) 201562182786 P
(32) 22.06.2015
(33) United States of America
(47) 11.09.2019

(51) G01F 1/66
G01F 1/74
G01N 29/02
(11) EP3311124
(21) EP16744945.3
(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
(74) ir. H.A. Witmans c.s.
(31) 201562182786 P
(32) 22.06.2015
(33) United States of America
(47) 11.09.2019

(51) G01F 23/284
G01S 7/03
G01S 13/88
H01P 5/00
H01P 5/08
(11) EP3084463
(21) EP14870919.9
(22) 20.11.2014
(54) COUPLING DEVICE FOR IMPEDANCE MATCHING TO A GUIDED WAVE RADAR PROBE
(73) Honeywell International Inc.
(72) COBIANU, Cornel
GEORGESCU, Ion
HUGHES, Michael Kon Yew
HEATH, Stuart James
HARAN, Frank Martin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201314133110
(32) 18.12.2013
(33) United States of America
(47) 02.10.2019

(51) G01L 3/14
(11) EP2546626
(21) EP12176396.5
(22) 13.07.2012
(54) Force measuring device for a bicycle
(73) HONGJI INTELLIGENT BIKE CO., LTD.
(72) HSU, Ching-Feng
(74) dr. A. Krebs
(31) 100212838
(32) 13.07.2011
(33) Taiwan, Province of China
(47) 11.09.2019

(51) G01N 17/00
G01N 27/08
G01N 33/18
(11) EP2836825
(21) EP13774948.7
(22) 14.03.2013
(54) A SYSTEM AND METHOD FOR MONITORING AMMONIUM BISULFIDE
(73) Phillips 66 Company
Lord, III, Charles, John
Newland, John, Stephen
(72) LORD, III, Charles, John
NEWLAND, John, Stephen
(74) dr. A. Krebs
(31) 201261623814 P
(32) 13.04.2012
(33) United States of America
(47) 30.10.2019

(51) G01N 21/61
G01N 33/00
G01N 21/3504
(11) EP3165905
(21) EP15815028.4
(22) 11.06.2015
(54) GAS CONCENTRATION MEASUREMENT DEVICE
(73) Murata Manufacturing Co., Ltd.
(72) YASUDA, Masaaki
IKEDA, Yoshinori
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2014137787
(32) 03.07.2014
(33) Japan
(47) 02.10.2019

(51) G01N 21/84
G01N 35/00
G05D 3/12
(11) EP2829866
(21) EP14168099.1
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130087515
(32) 24.07.2013
(33) Korea (Republic)
(47) 11.09.2019

(51) G01N 29/036
G01N 29/30
B81C 99/00
G01Q 40/00
(11) EP2834652
(21) EP13712946.6
(22) 22.03.2013
(54) CALIBRATION OF A MECHANICAL PROPERTY OF SPM CANTILEVERS
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) SADEGHIAN MARNANI, Hamed
(74) ir. H.A. Witmans c.s.
(31) 12162847
(32) 02.04.2012
(33) European Patent Office (EPO)
(47) 25.09.2019

(51) G01N 33/00
G06K 9/00
G06K 9/34
G06T 17/20
G06T 7/00
(11) EP2788958
(21) EP12855334.4
(22) 05.12.2012
(54) METHOD AND SYSTEM FOR CHARACTERISING PLANT PHENOTYPE
(73) Commonwealth Scientific and Industrial Research Organisation
(72) SIRAULT, Xavier Raymond Richard
FRIPP, Jurgen
PAPROKI, Anthony
(74) J.M.H. Duyver lic.
(31) 2011905053
(32) 05.12.2011
(33) Australia
(47) 18.09.2019

(51) G01N 33/50
(11) EP2664920
(21) EP13168263.5
(22) 17.05.2013
(54) Dilution based inhibition assay
(73) Debreceni Egyetem
(72) Tóth, Attila, Dr.
Fagyas, Miklós, Dr.
Papp, Zoltán, Prof. Dr.
Édes, István, Prof. Dr.
(74) J.M.H. Duyver lic.
(31) 1200299
(32) 18.05.2012
(33) Hungary
(47) 18.09.2019

(51) G01N 33/53
G01N 33/541
G01N 33/569
G01N 33/574
G01N 33/68
(11) EP2360475
(21) EP10183320.0
(22) 26.03.2004
(54) A method and kit for detecting the early onset of renal tubular cell injury
(73) Children's Hospital Medical Center
The Trustees of Columbia University
(72) Devarajan, Prased
Barasch, Jonathan M.
(74) ir. J.C. Volmer c.s.
(31) 458143 P
481596 P
(32) 27.03.2003
04.11.2003
(33) United States of America
United States of America
(47) 02.10.2019

(51) G01R 1/44
G01R 15/14
G01R 31/00
G01R 31/02
G01R 31/12
G01R 31/14
G01R 31/16
(11) EP2999971
(21) EP14727161.3
(22) 21.05.2014
(54) HIGH-POWERED HIGH-VOLTAGE TEST DEVICE
(73) b2 electronics GmbH
(72) BLANK, Rudolf
BALDAUF, Stefan
(74) ir. H.A. Witmans c.s.
(31) 102013008611
(32) 22.05.2013
(33) Germany
(47) 18.09.2019

(51) G01R 15/18

H01H 85/02
(11) EP3281215
(21) EP16715291.7
(22) 07.04.2016
(54) POWER CONVERTER SYSTEM AND LOAD INTERRUPTER COMPRISING SUCH A POWER CONVERTER SYSTEM
(73) EFEN GmbH
(72) KAHLER, Klaus Dietmar
SCHRÖDER, Martin
(74) ir. H.A. Witmans c.s.
(31) 102015105441
(32) 09.04.2015
(33) Germany
(47) 18.09.2019

(51) G01S 7/48
G01S 17/89
G06K 9/00
(11) EP3341753
(21) EP16767038.9
(22) 24.08.2016
(54) METHOD FOR IDENTIFYING INDIVIDUAL TREES IN AIRBORNE LIDAR DATA AND CORRESPONDING COMPUTER PROGRAM PRODUCT
(73) Yado Holding B.V.
Xiong, Biao
(72) XIONG, Biao
YANG, Dong
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2015333
(32) 24.08.2015
(33) Netherlands
(47) 30.10.2019

(51) G01T 1/161
G01T 1/17
G01T 1/29
(11) EP2565679
(21) EP11821847.8
(22) 31.08.2011
(54) NUCLEAR MEDICINE IMAGING DEVICE AND CONTROL METHOD
(73) Toshiba Medical Systems Corporation
(72) TESHIGAWARA, Manabu
(74) ir. H.A. Witmans c.s.
(31) 2010194338
(32) 31.08.2010
(33) Japan
(47) 25.09.2019

(51) G01T 1/164
(11) EP3244234
(21) EP15876649.3
(22) 02.11.2015
(54) CHANNEL MULTIPLEXING METHOD FOR READING DETECTOR SIGNAL
(73) Raycan Technology Co., Ltd. (Su Zhou)
(72) XI, Daoming
LIU, Xiang
LIU, Wei
ZENG, Chen
XIE, Qingguo
(74) ir. F.A. Geurts c.s.
(31) 201510007564
(32) 07.01.2015
(33) China
(47) 04.09.2019

(51) G01T 1/17
(11) EP3109677
(21) EP16172408.3
(22) 01.06.2016
(54) X-RAY DATA PROCESSING APPARATUS AND METHOD AND PROGRAM FOR THE SAME
(73) Rigaku Corporation
(72) MATSUSHITA, Kazuyuki
SAKUMURA, Takuto
NAKAYE, Yasukazu
(74) mr.ir. F.N. Ferro
(31) 2015127043
(32) 24.06.2015
(33) Japan
(47) 06.11.2019

(51) G01V 1/36
(11) EP3025169
(21) EP14717352.0
(22) 14.03.2014
(54) PREDICTING INTERBED MULTIPLES IN SEISMIC DATA USING BEAM DECOMPOSITION
(73) Chevron U.S.A. Inc.
(72) NEMETH, Tamas
TEGTMEIER-LAST, Sandra
HILL, N. Ross
WANG, Yue
AKERBERG, Peeter
HUANG, Shoujian
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201313951108
(32) 25.07.2013
(33) United States of America
(47) 09.10.2019

(51) G01V 7/00
G01P 15/18
(11) EP3164719
(21) EP15814989.8
(22) 02.07.2015
(54) MECHANICAL SHOCK RESISTANT MEMS ACCELEROMETER ARRANGEMENT, ASSOCIATED METHOD, APPARATUS AND SYSTEM
(73) Merlin Technology Inc.
(72) CHAU, Albert W.
MERCER, John E.
PHILLIPS, Scott
(74) ir. A. Blokland c.s.
(31) 201462019887 P
201462021618 P
201514789071
(32) 02.07.2014
07.07.2014
01.07.2015
(33) United States of America
United States of America
United States of America
(47) 04.09.2019

(51) G02B 5/08
G02B 5/09
G02B 26/08
G03F 7/20
G03F 1/62
G03F 1/64
G02B 1/14
G02B 1/18
(11) EP3368948
(21) EP16788086.3
(22) 26.10.2016
(54) OPTICAL ASSEMBLY WITH A PROTECTIVE ELEMENT AND OPTICAL ARRANGEMENT THEREWITH
(73) Carl Zeiss SMT GmbH
(72) EHM, Dirk Heinrich
SCHMIDT, Stefan-Wolfgang
(74) ir. W.J.J.M. Kempes
(31) 102015221209
(32) 29.10.2015
(33) Germany
(47) 18.09.2019

(51) G02B 5/08
G02C 7/02
G02C 7/10
G09F 13/16
(11) EP2666054
(21) EP12700680.7
(22) 18.01.2012
(54) MIRRORED TRANSPARENT DISC
(73) Invisilux GmbH
(72) SCHAUER, Josef
(74) ir. F.A. Geurts c.s.
(31) 682011
(32) 18.01.2011
(33) Austria
(47) 04.09.2019

(51) G02B 5/18
G02B 13/00
G02B 19/00
G02B 27/20
G02B 27/42
(11) EP3163347
(21) EP15192608.6
(22) 02.11.2015
(54) COLLIMATING LENS
(73) Himax Technologies Limited
(72) LIN, Han-Ching
LU, Yin Dong
KUO, Han Yi
(74) dr. G. Visser-Luirink
(47) 30.10.2019

(51) G02B 6/44
H02G 3/04
(11) EP2504730
(21) EP09805688.0
(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
(74) ir. A. Blokland c.s.
(47) 11.09.2019

(51) G02B 27/01
(11) EP2883101
(21) EP13777325.5
(22) 10.10.2013
(54) HEAD MOUNTABLE DEVICE WITH HOLDER FOR MOBILE DEVICE
(73) Sony Interactive Entertainment Europe Limited
(72) BICKERSTAFF, Ian Henry
BENSON, Simon Mark
(74) ir. W.J.J.M. Kempes
(31) 201213649425
(32) 11.10.2012

(33) United States of America
(47) 20.11.2019

(51) G02B 27/01
G06F 3/01
G06F 3/14
G09G 5/14
(11) EP3195105
(21) EP15763705.9
(22) 31.08.2015
(54) MANAGEMENT OF CONTENT IN A 3D HOLOGRAPHIC ENVIRONMENT
(73) Microsoft Technology Licensing, LLC
(72) VAN DEN HEUVEL, Joseph
OUELLETTE, Ken
SUGDEN, Ben
OMOTANI, Todd
TANNER, Marcus
ALT, Greg
HALE, Michael
SUTHERLAND, Jeff
(74) J.M.H. Duyver lic.
(31) 201414476642
(32) 03.09.2014
(33) United States of America
(47) 06.11.2019

(51) G02B 27/01
G08B 21/18
G08G 1/0962
G08G 1/0968
G08G 1/16
(11) EP2872944
(21) EP13816585.7
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120075209
(32) 10.07.2012
(33) Korea (Republic)
(47) 11.09.2019

(51) G03B 5/00
G03B 17/04
G03G 21/16
(11) EP3217220
(21) EP17151833.5
(22) 17.01.2017
(54) IMAGE FORMING APPARATUS, FOREIGN OBJECT DETECTING SYSTEM, AND METHOD FOR PRODUCING FOREIGN OBJECT DETECTING SYSTEM
(73) Ricoh Company, Ltd.
(72) MIDORIKAWA, Ruki
TERAKAWA, Shogo
NISHIKAWA, Tetsuji
ISHII, Hiroshi
TAKENAKA, Kohta
MURAKAMI, Hiroaki
MAEDA, Hidehiko
HOSONO, Gaku
(74) ir. H.A. Witmans c.s.
(31) 2016007057
(32) 18.01.2016
(33) Japan
(47) 30.10.2019

(51) G03B 17/02
G03B 17/14
H04N 5/225
(11) EP3101473
(21) EP14881087.2
(22) 28.11.2014
(54) CAMERA AND ADAPTER
(73) Sony Corporation
(72) OZAWA, Kenichi
MORIYAMA, Satoshi
YAMAUCHI, Junpei
(74) ir. W.J.J.M. Kempes
(31) 2014015452
(32) 30.01.2014
(33) Japan
(47) 20.11.2019

(51) G03F 7/00
(11) EP3455676
(21) EP17735599.7
(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
(74) J.M.H. Duyver lic.
(31) 16179451
(32) 14.07.2016
(33) European Patent Office (EPO)
(47) 11.09.2019

(51) G03F 7/20
(11) EP3182206
(21) EP15200040.2
(22) 15.12.2015
(54) A METHOD OF EXPOSING A PRINT MASTER PRECURSOR
(73) AGFA NV
(72) Van Dorpe, Jurgen
Meuris, Werner
(47) 04.12.2019

(51) G03F 7/20
(11) EP3341794
(21) EP16751309.2
(22) 16.08.2016
(54) ILLUMINATION SYSTEM FOR EUV PROJECTION EXPOSURE APPARATUS
(73) Carl Zeiss SMT GmbH
(72) PETRI, Christoph
RUNDE, Daniel
(74) ir. W.J.J.M. Kempes
(31) 102015216528
(32) 28.08.2015
(33) Germany
(47) 02.10.2019

(51) G03F 7/20
H01L 21/683
H01L 21/687
(11) EP2399278
(21) EP10705585.7
(22) 18.02.2010
(54) METHOD OF CLAMPING A SUBSTRATE AND CLAMP PREPARATION UNIT
(73) Mapper Lithography IP B.V.
(72) DE JONG, Hendrik Jan
WIELAND, Marco Jan-Jaco
(74) ir. A.J. Maas
(31) 154411 P
0905786
(32) 22.02.2009
03.04.2009
(33) United States of America
United Kingdom
(47) 18.09.2019

(51) G03F 7/32
(11) EP3345055
(21) EP16760286.1
(22) 24.08.2016
(54) LITHOGRAPHIC DEVELOPER COMPOSITION AND METHOD OF USE
(73) Eastman Kodak Company
(72) HUANG, Jianbing
HAUCK, Gerhard
SAVARIAR-HAUCK, Celin
PAULS, Andrea
FRANK, Dietmar
PIESTERT, Oliver
(74) ir. G.P. den Braber
(31) 201514844063
(32) 03.09.2015
(33) United States of America
(47) 18.09.2019

(51) G03G 15/00
G03G 21/20
(11) EP2498140
(21) EP12158207.6
(22) 06.03.2012
(54) Apparatus, method, and program
(73) Ricoh Company, Ltd.
(72) Shiori, Jun
Iwasaki, Yukiko
Sukesako, Masaki
Sugiyama, Hiroyuki
Kamihara, Kazuaki
Takeshita, Hironobu
(74) ir. H.A. Witmans c.s.
(31) 2011052575
2011207261
(32) 10.03.2011
22.09.2011
(33) Japan
Japan
(47) 23.10.2019

(51) G03G 15/08
(11) EP3164765
(21) EP15814107.7
(22) 30.06.2015
(54) POWDER CONTAINER, IMAGE FORMING APPARATUS, AND NOZZLE RECEIVER
(73) Ricoh Company, Ltd.
(72) YANO, Keiichi
YAMABE, Junji
TERANISHI, Ryoichi
TANAKA, Yuuta
TERAZAWA, Seiji
(74) ir. H.A. Witmans c.s.
(31) 2014138841
(32) 04.07.2014

(33) Japan
(47) 30.10.2019

(51) G03G 15/08
G03G 21/18
(11) EP3007007
(21) EP15180020.8
(22) 06.08.2015
(54) CRUM UNIT MOUNTABLE IN CONSUMABLE UNIT OF IMAGE FORMING APPARATUS AND IMAGE FORMING APPARATUS USING THE SAME
(73) HP Printing Korea Co., Ltd.
(72) Seo, Chang-keun
Kim, Jin-boo
Kim, Youn-jae
(74) dr. W.A.H.M. Van Borm
(31) 20140134072
(32) 06.10.2014
(33) Korea (Republic)
(47) 27.11.2019

(51) G03G 15/09
(11) EP2381318
(21) EP11250487.3
(22) 20.04.2011
(54) Magnet roller, developer holder element, process cartridge, and image forming apparatus
(73) Ricoh Company, Ltd.
(72) Innami, Takashi
Koetsuka, Kyohta
Takano, Yoshiyuki
Kamiya, Noriyuki
Ohsawa, Masayuki
Terasaka, Takumi
(74) ir. H.A. Witmans c.s.
(31) 2010100723
(32) 26.04.2010
(33) Japan
(47) 06.11.2019

(51) G03G 21/04
G06K 9/00
G06K 19/06
G06K 19/08
G06K 19/10
(11) EP2150923
(21) EP08805632.0
(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
(74) J.M.H. Duyver lic.
(31) 0703922
PCT/FR2007/000918
(32) 01.06.2007
01.06.2007
(33) France
World Intellectual Property Office (WIPO)
(47) 11.09.2019

(51) G03G 21/10
G03G 21/12
(11) EP2469348
(21) EP11195209.9
(22) 22.12.2011
(54) Image forming apparatus
(73) Ricoh Company, Ltd.
(72) Tomita, Daisuke
Kawahara, Shinichi
Shintani, Takeshi
Kuwabara, Nobuo
Kosuge, Akio
(74) ir. H.A. Witmans c.s.
(31) 2010285988
(32) 22.12.2010
(33) Japan
(47) 06.11.2019

(51) G03H 1/22
(11) EP2880496
(21) EP13759317.4
(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
(74) ir. W.J.J.M. Kempes
(31) 201261678211 P
201261678213 P
(32) 01.08.2012
01.08.2012
(33) United States of America
United States of America
(47) 11.09.2019

(51) G04G 9/02
G04G 9/08
G04G 17/04
G02B 27/22
H04N 13/302
(11) EP2951649
(21) EP13873634.3
(22) 31.01.2013
(54) MULTIVIEW 3D WRIST WATCH
(73) LEIA Inc.
(72) TAFF, Brian M.
FATTAL, David A.
BEAUSOLEIL, Raymond G.
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 11.09.2019

(51) G05B 15/02
H04L 12/28
H04W 4/02
(11) EP2963509
(21) EP15156005.9
(22) 20.02.2015
(54) METHOD FOR OPERATING A HOME AUTOMATION SYSTEM
(73) ARCA Beteiligungen GmbH
(72) Kemper, Patrick
(74) ir. W.J.J.M. Kempes
(31) 102014002243
(32) 20.02.2014
(33) Germany
(47) 25.09.2019

(51) G05B 19/414
G05B 19/418
(11) EP2101235
(21) EP08170768.9
(22) 05.12.2008
(54) Electric fitting for material flow coordination between several conveyors connected mechanically with each other to convey piece goods
(73) Siemens Aktiengesellschaft
(72) Steins, Frank
Linke, Martin
Lorenz, Alois
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102008013372
(32) 10.03.2008
(33) Germany
(47) 09.10.2019

(51) G05F 1/575
G05F 3/24
(11) EP3193231
(21) EP16207487.6
(22) 30.12.2016
(54) REFERENCE VOLTAGE GENERATOR AND RELATED METHOD
(73) Semiconductor Manufacturing International (Shanghai) Corporation
Semiconductor Manufacturing International (Beijing) Corporation
(72) ZHU, Kai
CHEN, Jie
(74) J.M.H. Duyver lic.
(31) 201610016282
(32) 12.01.2016
(33) China
(47) 30.10.2019

(51) G06F 1/16
G06F 3/03
G06K 9/00
G06F 3/0346
G06F 3/038
A63F 13/211
A63F 13/213
A63F 13/42
G06T 7/246
(11) EP3077992
(21) EP14812379.7
(22) 26.11.2014
(54) PROCESS AND SYSTEM FOR DETERMINING THE LOCATION OF AN OBJECT BY FUSING MOTION FEATURES AND IAMGES OF THE OBJECT
(73) Microsoft Technology Licensing, LLC
(72) WILSON, Andrew D.
BENKO, Hrvoje
(74) J.M.H. Duyver lic.
(31) 201314096840
(32) 04.12.2013
(33) United States of America
(47) 06.11.2019

(51) G06F 1/16
G06F 3/14
G06F 3/048
G06F 3/0484
G06F 3/0485
G06F 3/0486
G06F 3/0488
(11) EP2673701
(21) EP12744371.1
(22) 10.02.2012
(54) INFORMATION DISPLAY APPARATUS HAVING AT LEAST TWO TOUCH

SCREENS AND INFORMATION DISPLAY METHOD THEREOF
(73) Samsung Electronics Co., Ltd
(72) SEO, Joon-Kyu
KANG, Kyung-A
KWAK, Ji-Yeon
KIM, Hyun-Jin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201161441491 P
20110059500
(32) 10.02.2011
20.06.2011
(33) United States of America
Korea (Republic)
(47) 02.10.2019

(51) G06F 1/16
H04M 1/02
(11) EP3340007
(21) EP17209381.7
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20160177648
(32) 23.12.2016
(33) Korea (Republic)
(47) 11.09.2019

(51) G06F 3/01
(11) EP3100138
(21) EP15702568.5
(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
(74) ir. W.J.J.M. Kempes
(31) 201401613
(32) 30.01.2014
(33) United Kingdom
(47) 11.09.2019

(51) G06F 3/01
G06F 3/041
G06F 3/042
H04L 29/06
H04M 1/67
H04W 12/06
H04W 88/02
G06F 3/0346
G06F 3/0488
G06F 21/31
(11) EP2901252
(21) EP13841859.5
(22) 27.09.2013
(54) LOCKING AND UNLOCKING OF CONTACTLESS GESTURE-BASED USER INTERFACE OF DEVICE HAVING CONTACTLESS GESTURE DETECTION SYSTEM
(73) Analog Devices Global Unlimited Company
(72) STRAKER, Andre
FANG, Wei Ken
JEON, Duk-Ho
NEWCOMBE, Dalton J.
(74) drs. A.A. Jilderda
(31) 201261706714 P
201314036861
(32) 27.09.2012
25.09.2013
(33) United States of America
United States of America
(47) 30.10.2019

(51) G06F 3/01
G06F 3/0481
G06F 3/0484
G06F 3/0488
(11) EP3332313
(21) EP16751452.0
(22) 04.08.2016
(54) METHODS AND SYSTEMS FOR PROVIDING HAPTIC FEEDBACK FOR VIRTUAL 3D OBJECTS
(73) PCMS Holdings, Inc.
(72) HARVIAINEN, Tatu V. J.
LAUNONEN, Raimo J.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201562201954 P
(32) 06.08.2015
(33) United States of America
(47) 09.10.2019

(51) G06F 3/01
H04M 1/725
G06F 3/0484
G06F 3/0488
(11) EP3224706
(21) EP15816934.2
(22) 24.11.2015
(54) HYBRIDIZATION OF VOICE NOTES AND CALLING
(73) Snap Inc.
(72) BRODY, Jonathan
HANOVER, Matthew
SAMARANAYAKE, Chamal
WU, William
(74) J.M.H. Duyver lic.
(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
(47) 11.09.2019

(51) G06F 3/01
H04R 27/00
H04W 76/00
(11) EP3111674
(21) EP16711922.1
(22) 24.02.2016
(54) PLAYBACK EXPANSION
(73) Sonos, Inc.
(72) FULLERTON, Benjamin
HOLMUNG, Ingve
(74) drs. C.M.A. Quintelier
(31) 201514631723
201514631713
(32) 25.02.2015
25.02.2015
(33) United States of America
United States of America
(47) 13.11.2019

(51) G06F 3/048
G06F 3/0485
G06F 3/0488
(11) EP2439629
(21) EP11183246.5
(22) 29.09.2011
(54) INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM
(73) Sony Corporation
(72) Miyazawa, Yusuke
Ikeda, Tetsuo
Homma, Fuminori
Miyazaki, Reiko
Miyashita, Ken
Moriya, Shoichiro
(74) ir. W.J.J.M. Kempes
(31) 2010228303
(32) 08.10.2010
(33) Japan
(47) 06.11.2019

(51) G06F 3/14
G06F 9/22
G06F 1/3218
G06F 1/3234
(11) EP3299929
(21) EP17195054.6
(22) 09.12.2011
(54) ADAPTIVE GRAPHICS SUBSYSTEM POWER AND PERFORMANCE MANAGEMENT
(73) Intel Corporation
(72) JEGANATHAN, Nithyananda S.
POORNACHANDRAN, Rajesh
(74) ir. W.J.J.M. Kempes
(47) 09.10.2019

(51) G06F 3/16
G10L 15/22
G10L 13/033
G10L 25/63
(11) EP3335188
(21) EP16846821.3
(22) 09.09.2016
(54) METHOD AND ELECTRONIC DEVICE FOR PROVIDING CONTENT
(73) Samsung Electronics Co., Ltd.
(72) SHIN, Sang Min
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20150132488
(32) 18.09.2015
(33) Korea (Republic)
(47) 06.11.2019

(51) G06F 5/06
H04L 9/06
H04L 9/32
G06F 21/64
(11) EP2872990
(21) EP13816809.1
(22) 10.07.2013

(54) PARALLEL PROCESSING OF A SINGLE DATA BUFFER
(73) Intel Corporation
(72) GULLEY, Sean M.
FEGHALI, Wajdi K.
GOPAL, Vinodh
GUILFORD, James D.
WOLRICH, Gilbert M.
YAP, Kirk S.
(74) ir. W.J.J.M. Kempes
(31) 201261670472 P
201213631763
(32) 11.07.2012
28.09.2012
(33) United States of America
United States of America
(47) 09.10.2019

(51) G06F 7/00
G06F 11/30
G06F 11/34
G06F 11/36
G06T 1/20
G06T 1/60
(11) EP3234764
(21) EP14908126.7
(22) 15.12.2014
(54) INSTRUMENTATION OF GRAPHICS INSTRUCTIONS
(73) Intel Corporation
(72) WANG, Zhi
DONG, Yao Zu
(74) ir. W.J.J.M. Kempes
(47) 02.10.2019

(51) G06F 7/04
H04L 29/06
(11) EP2150887
(21) EP08744844.5
(22) 01.04.2008
(54) METHOD AND APPARATUS FOR AUTHENTICATING USERS IN A NETWORK
(73) Sony Computer Entertainment America LLC
(72) WAGNER, Steven
WHELPLEY, Eric
(74) ir. W.J.J.M. Kempes
(31) 752818
(32) 23.05.2007
(33) United States of America
(47) 02.10.2019

(51) G06F 9/06
H04L 29/08
G06F 9/445
(11) EP2932379
(21) EP12890173.3
(22) 17.12.2012
(54) SYSTEM AND METHODS FOR LAUNCHING AN APPLICATION ON AN ELECTRONIC DEVICE
(73) BlackBerry Limited
(72) EVANS, Sean David
(74) ir. F.E. Hoeben
(47) 04.09.2019

(51) G06F 9/445
(11) EP2005294
(21) EP06739823.0
(22) 27.03.2006
(54) WIRELESS EMAIL COMMUNICATIONS SYSTEM PROVIDING RESOURCE UPDATING FEATURES AND RELATED METHODS
(73) BlackBerry Limited
(72) PROVO, Nathan
(74) ir. F.E. Hoeben
(47) 04.09.2019

(51) G06F 9/451
(11) EP2737400
(21) EP12741235.1
(22) 25.07.2012
(54) MODE NOTIFICATIONS
(73) Google LLC
(72) BILINSKI, Brandon
OTTO, Owen
(74) ir. H.A. Witmans c.s.
(31) 201113191883
(32) 27.07.2011
(33) United States of America
(47) 04.09.2019

(51) G06F 9/48
G06F 3/0483
(11) EP3396512
(21) EP18178653.4
(22) 28.12.2012
(54) MULTITASKING METHOD AND APPARATUS OF USER DEVICE
(73) Samsung Electronics Co., Ltd.
(72) PARK, Young Joo
PARK, Se Hwan
KANG, Min Jeong
CHOI, Jin Hee
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20110144975
(32) 28.12.2011
(33) Korea (Republic)
(47) 23.10.2019

(51) G06F 9/48
G06F 11/07
G06F 11/14
G06F 11/20
G06F 11/30
(11) EP3400528
(21) EP16826905.8
(22) 29.12.2016
(54) DEFERRED SERVER RECOVERY IN COMPUTING SYSTEMS
(73) Microsoft Technology Licensing, LLC
(72) ALLEN, Nic
JAGTIANI, Gaurav
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201662276312 P
201615067156
(32) 08.01.2016
10.03.2016
(33) United States of America
United States of America
(47) 09.10.2019

(51) G06F 9/54
G06F 17/24
G06F 3/0483
G06F 3/0484
G06F 3/0486
G06F 3/0488
(11) EP3066550
(21) EP14819113.3
(22) 07.11.2014
(54) TWO STEP CONTENT SELECTION
(73) Microsoft Technology Licensing, LLC
(72) HUANG, Jerry
LIU, Zhen
MAK, Chiu Chun Bobby
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201314074753
(32) 08.11.2013
(33) United States of America
(47) 09.10.2019

(51) G06F 9/54
H04L 29/08
G06F 8/61
G06F 8/65
G06F 9/445
(11) EP3403178
(21) EP17703845.2
(22) 13.01.2017
(54) IDENTIFIERS ACROSS APPLICATION INSTANCES
(73) Google LLC
(72) KIRKPATRICK, Ficus
GANAPATHY, Subramaniam
(74) dr. A. Krebs
(31) 201662279571 P
(32) 15.01.2016
(33) United States of America
(47) 20.11.2019

(51) G06F 11/10
G11C 7/04
G11C 13/00
G11C 29/52
(11) EP3161831
(21) EP15811503.0
(22) 15.05.2015
(54) THERMAL DISTURB AS HEATER IN CROSS-POINT MEMORY
(73) Intel Corporation
(72) RAO SUBBU, Gayathri
PANGAL, Kiran
FRANKLIN, Nathan
(74) ir. W.J.J.M. Kempes
(31) 201414314200
(32) 25.06.2014
(33) United States of America
(47) 02.10.2019

(51) G06F 11/16
G06F 11/20
G06F 13/364
G06F 13/40
G06F 13/42
(11) EP3274834
(21) EP16769482.7
(22) 21.03.2016
(54) MASTER/SLAVE MANAGEMENT FOR REDUNDANT PROCESS CONTROLLER MODULES
(73) Honeywell International Inc.
(72) YANG, Zhi
LV, Jie
ZOU, Lei
(74) ir. W.J.J.M. Kempes
(31) 201514670328
(32) 26.03.2015
(33) United States of America
(47) 06.11.2019

(51) G06F 11/30
G06F 11/34
(11) EP3117286
(21) EP15761630.1

(22) 06.03.2015
(54) POWER MONITORING SYSTEM FOR VIRTUAL PLATFORM SIMULATION
(73) Intel Corporation
(72) MALANI, Parth
TAMHANKAR, Mangesh
(74) ir. W.J.J.M. Kempes
(31) 201414208934
(32) 13.03.2014
(33) United States of America
(47) 02.10.2019

(51) G06F 12/06
G06F 12/08
G06F 9/38
(11) EP1550032
(21) EP03774703.7
(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.
(74) ir. A. Blokland c.s.
(31) 269247
(32) 11.10.2002
(33) United States of America
(47) 11.09.2019

(51) G06F 12/14
G06F 12/10
G06F 12/1009
(11) EP2880540
(21) EP13745243.9
(22) 18.07.2013
(54) MULTIPLE SETS OF ATTRIBUTE FIELDS WITHIN A SINGLE PAGE TABLE ENTRY
(73) Qualcomm Incorporated
(72) SHARP, Colin Christopher
SARTORIUS, Thomas Andrew
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201213565434
(32) 02.08.2012
(33) United States of America
(47) 25.09.2019

(51) G06F 12/14
G06F 21/00
G06F 21/52
G06F 21/78
(11) EP1698970
(21) EP06101268.8
(22) 03.02.2006
(54) METHOD AND SYSTEM FOR ENCODING METADATA
(73) Microsoft Technology Licensing, LLC
(72) Marinescu, Adrian
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 72356
(32) 03.03.2005
(33) United States of America
(47) 09.10.2019

(51) G06F 13/00
H04L 29/08
H04W 52/02
G06F 1/32
(11) EP2939079
(21) EP13867870.1
(22) 19.06.2013
(54) COMMUNICATION LINK AND NETWORK CONNECTIVITY MANAGEMENT IN LOW POWER MODE
(73) Intel Corporation
(72) BODIO, James F.
PRAKASH, Gyan
POORNACHANDRAN, Rajesh
DADU, Saurabh
(74) ir. W.J.J.M. Kempes
(31) 201213730921
(32) 29.12.2012
(33) United States of America
(47) 09.10.2019

(51) G06F 13/28
G06F 21/57
G06F 21/60
(11) EP3326104
(21) EP16828189.7
(22) 20.06.2016
(54) TECHNOLOGIES FOR SECURE TRUSTED I/O ACCESS CONTROL
(73) Intel Corporation
(72) XING, Bin
PAPPACHAN, Pradeep M.
CHHABRA, Siddhartha
LAL, Reshma
MCGOWAN, Steven B.
(74) ir. W.J.J.M. Kempes
(31) 201562194763 P
201562195148 P
201562198201 P
201514974944
(32) 20.07.2015
21.07.2015
29.07.2015
18.12.2015
(33) United States of America
United States of America
United States of America
United States of America
(47) 09.10.2019

(51) G06F 17/16
H04S 7/00
G10L 19/008
(11) EP3107095
(21) EP16183136.7
(22) 29.05.2014
(54) COMPRESSION OF DECOMPOSED REPRESENTATIONS OF A SOUND FIELD
(73) Qualcomm Incorporated
(72) PETERS, Nils Günther
SEN, Dipanjan
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361828445 P
201361828615 P
201361829174 P
201361829155 P
201361829182 P
201361829846 P
201361829791 P
201361886617 P
201361886605 P
201361899041 P
201361899034 P
201461925074 P
201461925112 P
201461925126 P
201461925158 P
201461933706 P
201461933721 P
201462003515 P
201414289551
(32) 29.05.2013
29.05.2013
30.05.2013
30.05.2013
30.05.2013
31.05.2013
31.05.2013
03.10.2013
03.10.2013
01.11.2013
01.11.2013
08.01.2014
08.01.2014
08.01.2014
08.01.2014
30.01.2014
30.01.2014
27.05.2014
28.05.2014
(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
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) 02.10.2019

(51) G06F 21/31
(11) EP3483762
(21) EP18215679.4
(22) 23.07.2004
(54) USER AUTHENTICATION METHOD AND PROGRAM, AND IMAGE FORMING APPARATUS
(73) Ricoh Company, Ltd.
(72) MIHIRA, Sachiko
ITO, Tatsuo
(74) ir. H.A. Witmans c.s.
(31) 2003200958
2004177053
(32) 24.07.2003
15.06.2004
(33) Japan
Japan
(47) 16.10.2019

(51) G06K 9/00
(11) EP2680191
(21) EP13173656.3
(22) 25.06.2013
(54) Facial recognition

(73) Google LLC
(72) Sipe, Michael
Schneiderman, Henry Will
Nechyba, Michael
(74) dr. A. Krebs
(31) 201213533834
(32) 26.06.2012
(33) United States of America
(47) 20.11.2019

(51) G06K 9/00
(11) EP3236391
(21) EP17169218.9
(22) 11.11.2011
(54) OBJECT DETECTION AND RECOGNITION UNDER OUT OF FOCUS CONDITIONS
(73) FotoNation Limited
(72) CAPATA, Adam
PETRESCU, Stefan
BIGIOI, Petronel
CORCORAN, Peter
(74) ir. J.C. Volmer c.s.
(31) 944701
(32) 11.11.2010
(33) United States of America
(47) 09.10.2019

(51) G06K 9/00
(11) EP3353713
(21) EP17752007.9
(22) 13.07.2017
(54) VIDEO FRAME PROCESSING FOR MOTION COMPARISON
(73) Praaktis Limited
(72) ROSSON, Paul Andrew
(74) mr.ir. F.N. Ferro
(47) 09.10.2019

(51) G06K 9/00
G06F 21/32
(11) EP3355223
(21) EP16894087.2
(22) 04.07.2016
(54) UNLOCK METHOD AND MOBILE TERMINAL
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) ZHANG, HaiPing
ZHOU, YiBao
(74) drs. C.M.A. Quintelier
(31) 201610147551
(32) 14.03.2016
(33) China
(47) 13.11.2019

(51) G06K 9/00
G06K 9/62
G06T 7/269
(11) EP3376436
(21) EP18164970.8
(22) 13.07.2017
(54) VIDEO FRAME PROCESSING FOR MOTION COMPARISON
(73) Praaktis Limited
(72) Rosson, Paul Andrew
(74) mr.ir. F.N. Ferro
(47) 11.09.2019

(51) G06K 9/00
G08G 1/04
H04N 5/232
H04N 5/272
G06T 7/33
(11) EP2617007
(21) EP11825619.7
(22) 16.08.2011
(54) VISUALIZING VIDEO WITHIN EXISTING STILL IMAGES
(73) Microsoft Technology Licensing, LLC
(72) OFEK, Eyal
CHEN, Billy
(74) ir. P.J. Hylarides c.s.
(31) 881704
(32) 14.09.2010
(33) United States of America
(47) 02.10.2019

(51) G06K 9/34
(11) EP2803016
(21) EP13738301.4
(22) 12.01.2013
(54) SYSTEMS AND METHODS FOR MOBILE IMAGE CAPTURE AND PROCESSING
(73) Kofax, Inc.
(72) MACCIOLA, Anthony
AMTRUP, Jan Willers
SHUSTOROVICH, Alexander
THRASHER, Christopher W.
(74) mr. ir. J. van Breda c.s.
(31) 201261586062 P
201261720958 P
201313740123
201313740127
201313740131
201313740134
201313740138
201313740139
201313740141
201313740145
(32) 12.01.2012
31.10.2012
11.01.2013
11.01.2013
11.01.2013
11.01.2013
11.01.2013
11.01.2013
11.01.2013
11.01.2013
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
(47) 25.09.2019

(51) G06K 19/07
H03D 1/24
H03D 3/02
H03L 7/081
H03L 7/097
H04B 5/00
H04L 25/49
H04L 27/233
(11) EP1943743
(21) EP06774944.0
(22) 08.09.2006
(54) A METHOD AND APPARATUS ADAPTED TO DEMODULATE A DATA SIGNAL
(73) Sato Holdings Corporation
(72) LITTLECHILD, Stuart, Colin
MURDOCH, Graham, Alexander, Munro
(74) ir. H.J.G. Lips c.s.
(31) 2005904988
(32) 12.09.2005
(33) Australia
(47) 23.10.2019

(51) G06Q 20/32
(11) EP2819079
(21) EP14163940.1
(22) 08.04.2014
(54) Electronic transaction method and computer system
(73) Bundesdruckerei GmbH
(72) Morgner, Frank
Paeschke, Manfred, Dr.
Dietrich, Frank
Schröder, Martin
Bastian, Paul
Kraus, Micha
(74) J.M.H. Duyver lic.
(31) 102013212636
(32) 28.06.2013
(33) Germany
(47) 06.11.2019

(51) G06T 3/40
(11) EP3039644
(21) EP14812308.6
(22) 27.11.2014
(54) IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, AND PROGRAM
(73) Sony Corporation
(72) OBA, Eiji
MABUCHI, Ken
(74) ir. W.J.J.M. Kempes
(31) 2013259593
(32) 16.12.2013
(33) Japan
(47) 27.11.2019

(51) G06T 7/00
G06T 7/60
(11) EP3320520
(21) EP16751029.6
(22) 08.07.2016
(54) APPARATUS, SYSTEM AND METHOD FOR ASSISTING IN PROVIDING A DIAGNOSIS OF A MEDICAL CONDITION OF A MAMMAL BRAIN AS WELL A COMPUTER READABLE MEDIUM COMPRISING A PROGRAM FOR CARRYING OUT THE METHOD
(73) Erasmus University Medical Center Rotterdam
(72) JASPERSE, Bas
KOEK, Marcel
KRESTIN, Gabriel
NIESSEN, Wiro
(74) ir. H.A. Witmans c.s.
(31) PCT/NL2015/050505
(32) 10.07.2015
(33) World Intellectual Property Office (WIPO)
(47) 04.09.2019

(51) G06T 15/20
G06T 19/00
(11) EP3048791
(21) EP16305070.1
(22) 26.01.2016
(54) METHOD FOR DISPLAYING AT LEAST ONE WINDOW OF A THREE DIMENSIONAL SCENE, RELATED COMPUTER PROGRAM PRODUCT AND DISPLAY SYSTEM
(73) THALES LAS FRANCE SAS
(72) CHOPIN, Philippe
PASQUEREAU, Hervé
LEJEUNE, Sébastien
(74) ir. A.R. Aalbers
(31) 1500145
(32) 26.01.2015
(33) France
(47) 25.09.2019

(51) G06T 17/00
(11) EP3008702
(21) EP14737389.8
(22) 09.06.2014
(54) SCALABLE VOLUMETRIC 3D RECONSTRUCTION
(73) Microsoft Technology Licensing, LLC
(72) CHEN, Jiawen
BAUTEMBACH, Dennis
IZADI, Shahram
(74) J.M.H. Duyver lic.
(31) 201313916477
(32) 12.06.2013
(33) United States of America
(47) 06.11.2019

(51) G06T 19/00
B60K 35/00
B60K 37/02
B60Q 9/00
B60R 1/00
B60R 16/023
G01D 7/08
G06K 9/00
G07C 5/00
(11) EP2279890
(21) EP10004379.3
(22) 24.04.2010
(54) Method and device for displaying the driving status of a hybrid vehicle
(73) MAN Truck & Bus SE
(72) Krückl, Wolfgang
Michel, Britta
Mohra, Holger
Dörner, Karlheinz
Kerschl, Stefan
Drimml, Peter
(74) J.M.H. Duyver lic.
(31) 102009035139
(32) 29.07.2009
(33) Germany
(47) 02.10.2019

(51) G06T 19/20
G02C 13/00
G06T 17/00
G06Q 30/06
(11) EP3425447
(21) EP17180008.9
(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
(74) ir. W.J.J.M. Kempes
(47) 11.09.2019

(51) G07D 9/00
(11) EP3104344
(21) EP15171365.8
(22) 10.06.2015
(54) COIN HOPPER HAVING AN IMPROVED COIN PUSHING
(73) International Currency Technologies Corporation
(72) Hu, Chia-Hung
Chen, Yi-Hsin
(74) ir. H.A. Witmans c.s.
(47) 16.10.2019

(51) G08B 17/00
G08B 25/10
H04W 8/26
H04W 84/18
(11) EP2897396
(21) EP13837597.7
(22) 28.08.2013
(54) WIRELESS COMMUNICATION SYSTEM
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) HOSHIBA, Keitaro
KURITA, Masanori
ANDO, Shinichiro
(74) ir. W.J.J.M. Kempes
(31) 2012199890
(32) 11.09.2012
(33) Japan
(47) 02.10.2019

(51) G08C 17/02
H04L 12/28
H04M 1/725
(11) EP2530924
(21) EP12181968.4
(22) 19.08.2008
(54) Mobile terminal and device control method for the same
(73) Samsung Electronics Co., Ltd.
(72) Park, Bum Sun
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20070086622
(32) 28.08.2007
(33) Korea (Republic)
(47) 30.10.2019

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

(51) G11B 20/10
G11B 20/12
H04N 5/85
H04N 5/92
H04N 5/93
(11) EP3249911
(21) EP16739990.6
(22) 08.01.2016
(54) REPRODUCING DEVICE, INFORMATION PROCESSING METHOD, AND PROGRAM
(73) Sony Corporation
(72) KOBAYASHI Yoshiyuki
UCHIMURA Kouichi
(74) ir. W.J.J.M. Kempes
(31) 2015011178
(32) 23.01.2015
(33) Japan
(47) 27.11.2019

(51) G11B 27/034
H04L 29/06
H04N 19/30
H04N 19/40
(11) EP3331245
(21) EP18152693.0
(22) 15.09.2010
(54) OPPORTUNISTIC FRAME CACHING TRANSCODER AND PRE-VIEWER.
(73) Microsoft Technology Licensing, LLC
(72) Zizys, Giedrius
Wang, Tzong-Jhy
Santodomingo, Victor E.
Sproule, William David
Morrison, Mike W.
(74) ir. P.J. Hylarides c.s.
(31) 752166
(32) 01.04.2010
(33) United States of America
(47) 27.11.2019

(51) G11B 27/28
G11B 27/34
(11) EP2722850
(21) EP13180653.1
(22) 16.08.2013
(54) Method for generating thumbnail image and electronic device thereof
(73) Samsung Electronics Co., Ltd
(72) Choi, Young-Keun
Park, Ji-Hea
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120114969
(32) 16.10.2012
(33) Korea (Republic)
(47) 02.10.2019

(51) G11C 11/16
H01L 27/22
(11) EP3123474
(21) EP14887120.5
(22) 28.03.2014
(54) A METHOD FOR FABRICATING A 6F2 NON-VOLATILE MEMORY BITCELL
(73) Intel Corporation
(72) WANG, Yih
(74) ir. W.J.J.M. Kempes
(47) 09.10.2019

(51) G11C 16/04
G11C 16/30
(11) EP3291238
(21) EP17186992.8

(22) 21.08.2017
(54) MEMORY ARRAY, AND METHOD FOR READING, PROGRAMMING AND ERASING MEMORY ARRAY
(73) Semiconductor Manufacturing International (Shanghai) Corporation
Semiconductor Manufacturing International (Beijing) Corporation
(72) PENG, Jiaxu
NI, Hao
TANG, Tian Shen
ZHOU, Yao
(74) J.M.H. Duyver lic.
(31) 201610788897
(32) 31.08.2016
(33) China
(47) 23.10.2019

(51) G11C 16/04
H01L 21/28
H01L 29/423
H01L 29/66
H01L 27/11534
(11) EP3266039
(21) EP16711425.5
(22) 02.03.2016
(54) INTEGRATION OF SPLIT GATE FLASH MEMORY ARRAY AND LOGIC DEVICES
(73) Silicon Storage Technology Inc.
(72) CHEN, Chung-Ming
YANG, Jeng-Wei
SU, Chien-Sheng
WU, Man-Tang
DO, Nhan
(74) ir. H.Th. van den Heuvel c.s.
(31) 201562128322 P
201615057590
(32) 04.03.2015
01.03.2016
(33) United States of America
United States of America
(47) 16.10.2019

(51) G21C 9/016
G21C 15/18
(11) EP3236473
(21) EP15870435.3
(22) 16.11.2015
(54) SYSTEM FOR CONFINING AND COOLING MELT FROM THE CORE OF A NUCLEAR REACTOR
(73) Joint Stock Company "Atomenergoproekt"
(72) NEDOREZOV, Andrey Borisovich
SIDOROV, Aleksandr Stalevich
(74) J.M.H. Duyver lic.
(31) 2014150936
(32) 16.12.2014
(33) Russian Federation
(47) 04.09.2019

(51) H01B 7/16
H01B 9/02
H01B 9/06
H02G 5/06
(11) EP3109961
(21) EP16171236.9
(22) 25.05.2016
(54) CONDUIT MODULE FOR A HIGH VOLTAGE TRANSMISSION LINE WHICH CAN BE BURIED, HIGH VOLTAGE LINE WITH CONDUIT MODULES AND METHOD FOR PRODUCING THE CONDUIT MODULES
(73) Siemens Aktiengesellschaft
(72) Engels, Engelbert
Jahnel, Dietmar
Langens, Achim
Sendobry, Sebastian
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015211722
(32) 24.06.2015
(33) Germany
(47) 25.09.2019

(51) H01B 7/29
H01B 7/295
(11) EP2788990
(21) EP12856542.1
(22) 05.12.2012
(54) CABLE COMPONENT WITH NON-FLAMMABLE MATERIAL
(73) General Cable Technologies Corporation
(72) GOULD, Robert S.
FAUSZ, David M.
CAMP, II, David P.
BROWN, Scott M.
SKOCYPEC, Brian P.
(74) ir. A. Blokland c.s.
(31) 201161567428 P
(32) 06.12.2011
(33) United States of America
(47) 25.09.2019

(51) H01F 17/04
H01F 27/28
(11) EP2947667
(21) EP15001187.2
(22) 22.04.2015
(54) INTERFERENCE SUPPRESSION CHOKE AND METHOD FOR THE PREPARATION OF AN INTERFERENCE SUPPRESSION CHOKE
(73) Erwin Büchele GmbH & Co. KG
(72) Büchele, Erwin
(74) ir. H.A. Witmans c.s.
(31) 102014007246
(32) 16.05.2014
(33) Germany
(47) 04.09.2019

(51) H01F 27/32
(11) EP2866235
(21) EP13005035.4
(22) 22.10.2013
(54) High voltage transformer
(73) ABB Schweiz AG
(72) Weber, Benjamin
Tepper, Jens
Asshauer, Tobias
Chudobba, Udo
(74) ir. W.J.J.M. Kempes
(47) 25.09.2019

(51) H01F 38/14
H02J 7/00
H04B 5/00
H02J 5/00
H02J 7/02
H02J 50/00
H02J 50/12
(11) EP3238324
(21) EP16737549.2
(22) 13.01.2016
(54) WEARABLE DEVICE
(73) Samsung Electronics Co., Ltd.
(72) PARK, Sung-Bum
KIM, Dong-Zo
PARK, Jae-Hyun
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20150006852
(32) 14.01.2015
(33) Korea (Republic)
(47) 25.09.2019

(51) H01H 13/85
(11) EP3301697
(21) EP17191745.3
(22) 19.09.2017
(54) PUSH-BUTTON SWITCH
(73) Schaefer GmbH
(72) SOMMER, Lutz
PARAMBIL RAMACHANDRAN, Rinin
GEISER, Florian
SCHMIDT, Moritz
SKOPEK, Davis
(74) J.M.H. Duyver lic.
(31) 102016118435
(32) 29.09.2016
(33) Germany
(47) 06.11.2019

(51) H01J 35/02
(11) EP2860751
(21) EP14185445.5
(22) 18.09.2014
(54) A X-Ray Apparatus and a CT device having the same
(73) Nuctech Company Limited
Tsinghua University
(72) Tang, Huaping
Tang, Chuanxiang
Chen, Huaibi
Huang, Wenhui
Zhang, Huayi
Zheng, Shuxin
Liu, Jinsheng
(74) mr. ir. J. van Breda c.s.
(31) 201310427174
(32) 18.09.2013
(33) China
(47) 18.09.2019

(51) H01L 21/335
H01L 29/10
H01L 29/778
H01L 29/78
(11) EP3273484
(21) EP17188513.0
(22) 02.03.2010
(54) APPARATUS AND METHODS FOR IMPROVING PARALLEL CONDUCTION IN A QUANTUM WELL DEVICE
(73) INTEL Corporation
(72) PILLARISETTY, Ravi
HUDAIT, Mantu
JIN, Been-Yih
CHU-KUNG, Benjamin
CHAU, Robert
(74) ir. W.J.J.M. Kempes
(31) 381832
(32) 16.03.2009
(33) United States of America
(47) 02.10.2019

(51) H01L 21/768
H01L 23/528
(11) EP3327762
(21) EP17203759.0
(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
(74) J.M.H. Duyver lic.
(31) 201611066883
(32) 29.11.2016
(33) China
(47) 11.09.2019

(51) H01L 27/146
(11) EP3340303
(21) EP17207777.8
(22) 15.12.2017
(54) IMAGING 3D OPTO-ELECTRONIC MODULE
(73) 3D Plus
(72) GAMBART, Didier
(74) ir. H.A. Witmans c.s.
(31) 1662823
(32) 20.12.2016
(33) France
(47) 11.09.2019

(51) H01L 27/30
H01L 27/32
H01L 51/42
H01L 51/52
(11) EP1318553
(21) EP02027513.7
(22) 05.12.2002
(54) Organic semicondutor element
(73) SEMICONDUCTOR ENERGY LABORATORY CO., LTD.
(72) Tetsuo, Tsutsui
Hiroko, Yamazaki, Semicond. Energy Lab. Co,.Ldt.
Satoshi,Seo, Semicond. Energy Lab. Co,.Ldt.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2001370980
(32) 05.12.2001
(33) Japan
(47) 09.10.2019

(51) H01L 31/0224
H01L 31/0352
H01L 31/0747
(11) EP2439780
(21) EP11194664.6
(22) 24.02.2006
(54) Photovoltaic cell
(73) Panasonic Intellectual Property Management Co., Ltd.
(72) Terakawa, Akira
Asaumi, Toshio
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2005051174
2005052741
(32) 25.02.2005
28.02.2005
(33) Japan
Japan
(47) 02.10.2019

(51) H01L 31/0224
H01L 31/05
H01L 31/052
(11) EP3149775
(21) EP15799148.0
(22) 26.05.2015
(54) SHINGLED SOLAR CELL MODULE
(73) SunPower Corporation
(72) MORAD, Ratson
ALMOGY, Gilad
SUEZ, Itai
HUMMEL, Jean
BECKETT, Nathan
LIN, Yafu
GANNON, John
STARKEY, Michael J.
STUART, Robert
LANCE, Tamir
MAYDAN, Dan
(74) drs. C.M.A. Quintelier
(31) 201462003223 P
201462035624 P
201462036215 P
201462042615 P
201462048858 P
201462064260 P
201462064834 P
201414530405
201414532293
201414536486
201414539546
201414543580
201462081200 P
201414548081
201414550676
201462082904 P
201414552761
201414560577
201414566278
201414565820
201414572206
201414577593
201414586025
201414585917
201514594439
201562103816 P
201514605695
201562111757 P
201562113250 P
201562134176 P
201514674983
201562150426 P
(32) 27.05.2014
11.08.2014
12.08.2014
27.08.2014
11.09.2014
15.10.2014
16.10.2014
31.10.2014
04.11.2014
07.11.2014
12.11.2014
17.11.2014
18.11.2014
19.11.2014
21.11.2014
21.11.2014
25.11.2014
04.12.2014
10.12.2014
10.12.2014
16.12.2014
19.12.2014
30.12.2014
30.12.2014
12.01.2015
15.01.2015
26.01.2015
04.02.2015
06.02.2015
17.03.2015
31.03.2015
21.04.2015
(33) United States of America
United States of America
United States of America

(47) 18.09.2019
(51) H01L 39/14
H01L 39/18
H01L 39/24
(11) EP2676279
(21) EP12746871.8
(22) 17.02.2012
(54) Method of making superconducting cables
(73) Advanced Conductor Technologies LLC
(72) VAN DER LAAN, Daniel, Cornelis
(74) ir. H.A. Witmans c.s.
(31) 201161444673 P
(32) 18.02.2011
(33) United States of America
(47) 09.10.2019

(51) H01L 51/48
H01L 51/56
(11) EP2819486
(21) EP13752126.6
(22) 06.02.2013
(54) METHOD FOR MANUFACTURING ORGANIC ELECTRONIC ELEMENT
(73) LINTEC Corporation
(72) NAGANAWA Satoshi
(74) ir. H.A. Witmans c.s.
(31) 2012035105
(32) 21.02.2012
(33) Japan
(47) 13.11.2019

(51) H01M 2/02
H01M 4/86
H01M 4/88
H01M 12/06
H01M 12/08
(11) EP3321990
(21) EP16198551.0
(22) 13.11.2016
(54) FLOW BATTERY, PROCESS FOR ITS MANUFACTURE, AND USE THEREOF
(73) HILABS GmbH
(72) Haq, Manan
(74) dr. A. Krebs
(47) 09.10.2019

(51) H01M 2/10
H01M 2/20
(11) EP3275028
(21) EP15760116.2
(22) 25.08.2015
(54) BATTERY BLOCK, AND METHOD FOR PRODUCING A BATTERY BLOCK
(73) H-Tech AG
(72) TSCHIGGFREI, Peter
SKALA, Gerd
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015104741
(32) 27.03.2015
(33) Germany
(47) 09.10.2019

(51) H01M 2/10
H01M 2/20
H01M 2/26
H01M 2/30
(11) EP2973782
(21) EP14778606.5
(22) 10.03.2014
(54) BUS BARS FOR BATTERY PACKS
(73) Atieva, Inc.
(72) BISKUP, Richard J.
JAN, James
TSAI, Benson
(74) ir. P.J. Hylarides c.s.
(31) 201313794535
(32) 11.03.2013
(33) United States of America
(47) 09.10.2019

(51) H01M 10/02
H01M 10/04
H01M 10/0562
H01M 10/0565
H01M 10/0585
(11) EP3316382
(21) EP16814042.4
(22) 27.04.2016
(54) ALL-SOLID-STATE SECONDARY BATTERY AND PRODUCTION METHOD THEREFOR
(73) Hitachi Zosen Corporation
(72) FUKUI Hideyuki
RYOU Shiken
TAKANO Yasushi
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2015125202
(32) 23.06.2015
(33) Japan
(47) 02.10.2019

(51) H01M 10/44
H01M 10/48
H02J 7/18
G01R 31/36
(11) EP2419959
(21) EP10765057.4
(22) 14.04.2010
(54) BATTERIES, BATTERY SYSTEMS, BATTERY SUBMODULES, BATTERY OPERATIONAL METHODS, BATTERY SYSTEM OPERATIONAL METHODS, BATTERY CHARGING METHODS, AND BATTERY SYSTEM CHARGING METHODS
(73) LITHIUM WERKS TECHNOLOGY BV
(72) TROXEL, Russell
SANDAHL, Joel
(74) ir. A. Blokland c.s.
(31) 170061 P
(32) 16.04.2009
(33) United States of America
(47) 02.10.2019

(51) H01P 3/00
H01P 3/02
H01P 5/02
H01Q 9/04
H05K 1/02
H05K 1/11
H05K 3/36
(11) EP3364497
(21) EP18153621.0
(22) 26.01.2018
(54) COMMUNICATION APPARATUS
(73) Sony Interactive Entertainment Inc.
(72) Pak, Masayuki
Nozawa, Tetsufumi
(74) ir. W.J.J.M. Kempes
(31) 2017027025
(32) 16.02.2017
(33) Japan
(47) 20.11.2019

(51) H01Q 1/44
(11) EP3252867
(21) EP15886838.0
(22) 30.03.2015
(54) TERMINAL
(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) XUE, Liang
YU, Dong
WANG, Hanyang
YOU, Jiaqing
FENG, Kun
ZHANG, Rui
HOU, Meng
(74) ir. W.J.J.M. Kempes
(47) 02.10.2019

(51) H01S 5/30
H01S 5/323
(11) EP2198494
(21) EP07866085.9
(22) 28.12.2007
(54) WAVEGUIDE DEVICE HAVING DELTA DOPED ACTIVE REGION
(73) AVAGO TECHNOLOGIES INTERNATIONAL SALES PTE. LIMITED
(72) FREUND, Joseph, Michael
(74) mr. ir. J. van Breda c.s.
(47) 02.10.2019

(51) H02B 1/01
(11) EP3384568
(21) EP16798075.4
(22) 21.09.2016
(54) FRAME PROFILE FOR AN ELECTRICAL CABINET FRAME WORK AND CORRESPONDING FRAME WORK
(73) Rittal GmbH & Co. KG
(72) REUTER, Wolfgang
BRÜCK, Daniel
SCHINDLER, Timo
PAUL, Hartmut
HOLIGHAUS, Heiko
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015121192
(32) 04.12.2015
(33) Germany
(47) 30.10.2019

(51) H02G 3/12
(11) EP3189567
(21) EP15770820.7
(22) 02.09.2015
(54) CONNECTION UNIT
(73) Fränkische Rohrwerke Gebr. Kirchner GmbH & Co. KG
(72) FALLER, Josef
STREIBEL, Jan
BAYER, Frank
(74) J.M.H. Duyver lic.
(31) 102014217481
(32) 02.09.2014
(33) Germany
(47) 18.09.2019

(51) H02G 13/00
(11) EP3262730
(21) EP16707693.4
(22) 25.02.2016
(54) CONTROLLING A LIGHTNING PROTECTION SYSTEM

(73) ArianeGroup SAS
(72) ASPAS PUERTOLAS, Jesus
NGUYEN, François
(74) ir. F.A. Geurts c.s.
(31) 1551680
(32) 27.02.2015
(33) France
(47) 11.09.2019

(51) H02H 3/05
H02H 9/00
H02J 3/26
H02M 7/00
H02M 7/06
H02M 1/36
(11) EP3107200
(21) EP16150990.6
(22) 13.01.2016
(54) INVERTER GRID-CONNECTED SYSTEM AND METHOD FOR IMPLEMENTING THREE-PHASE ALTERNATING CURRENT GRID-CONNECTED TRANSITION
(73) Delta Electronics, Inc.
(72) LI, Chih-Chang
HSIN, Wei-Lun
LIN, Xin-Hung
(74) dr. A. Ellens c.s.
(31) 104119508
(32) 17.06.2015
(33) Taiwan, Province of China
(47) 06.11.2019

(51) H02H 7/122
H02J 3/36
H02J 3/38
(11) EP3211743
(21) EP15871856.9
(22) 09.12.2015
(54) ISLAND-TO-NETWORK SWITCHING METHOD
(73) NR Electric Co., Ltd.
NR Engineering Co., Ltd
(72) DONG, Yunlong
TIAN, Jie
HU, Zhaoqing
LI, Haiying
CAO, Dongming
LIU, Haibin
LU, Yu
(74) ir. F.E. Hoeben
(31) 201410812231
(32) 23.12.2014
(33) China
(47) 09.10.2019

(51) H02J 3/00
H02J 3/14
(11) EP2355294
(21) EP10194551.7
(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
(74) ir. W.J.J.M. Kempes
(31) 102010006527
(32) 01.02.2010
(33) Germany
(47) 11.09.2019

(51) H02J 7/04
H04B 5/00
H02J 5/00
H02J 7/02
H02J 50/00
H02J 50/40
H02J 50/60
H02J 50/80
H02J 50/90
(11) EP3386073
(21) EP18173534.1
(22) 15.09.2016
(54) SYSTEMS AND METHODS FOR WIRELESS POWER CHARGING
(73) Energous Corporation
(72) LEABMAN, Michael A.
(74) ir. H.J.G. Lips c.s.
(31) 201514854820
(32) 15.09.2015
(33) United States of America
(47) 30.10.2019

(51) H02J 7/04
H04B 5/00
H02J 5/00
H02J 7/02
H02J 50/40
H02J 50/60
H02J 50/80
H02J 50/90
(11) EP3382854
(21) EP18173532.5
(22) 15.09.2016
(54) RECEIVER DEVICES CONFIGURED TO DETERMINE LOCATION WITHIN A TRANSMISSION FIELD
(73) Energous Corporation
(72) LEABMAN, Michael A.
(74) ir. H.J.G. Lips c.s.
(31) 201514854820
(32) 15.09.2015
(33) United States of America
(47) 30.10.2019

(51) H02K 1/14
H02K 16/02
H02K 16/04
H02K 41/03
(11) EP2270963
(21) EP10006729.7
(22) 29.06.2010
(54) Doubly salient permanent magnet electric machine
(73) Korea Electrotechnology Research Institute
(72) Chung, Shi Uk
Kang, Do Hyun
Woo, Byung Chul
Kim, Ji Won
Lee, Ji Young
Moon, Seung Ryul
(74) ir. H.J.G. Lips c.s.
(31) 20090059011
(32) 30.06.2009
(33) Korea (Republic)
(47) 23.10.2019

(51) H02K 1/20
H02K 3/12
H02K 3/24
H02K 7/18
H02K 9/19
(11) EP3180839
(21) EP15738930.5
(22) 20.07.2015
(54) SYNCHRONOUS GENERATOR, IN PARTICULAR FOUR-POLE SYNCHRONOUS RING GENERATOR OF A GEARLESS WIND TURBINE, AND WIND TURBINE HAVING SAID SYNCHRONOUS GENERATOR
(73) Wobben Properties GmbH
(72) RÖER, Jochen
MIDDELSTÄDT, Falk
(74) ir. H.A. Witmans c.s.
(31) 102014216148
(32) 14.08.2014
(33) Germany
(47) 23.10.2019

(51) H02P 7/06
H02P 25/18
(11) EP2625779
(21) EP11831449.1
(22) 04.10.2011
(54) ELECTRIC MOTOR HAVING WINDINGS OPERABLE IN PARALLEL AND/OR SERIES, AND RELATED METHODS
(73) Sunluxe Enterprises Limited
(72) KRIEGER, Michael
SHUM, Henry
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 389528 P
(32) 04.10.2010
(33) United States of America
(47) 02.10.2019

(51) H03G 5/00
H03G 5/16
(11) EP3111557
(21) EP14710643.9
(22) 27.02.2014
(54) GAIN OPTIMIZED EQUALIZER
(73) Sony Corporation
(72) NYSTROM, Martin
SMAILAGIC, Sead
PETEF, Andrej
(74) ir. W.J.J.M. Kempes
(47) 09.10.2019

(51) H03K 19/003
(11) EP2439847
(21) EP11184567.3
(22) 11.10.2011
(54) Apparatus for compensating for process variation of resistor in electronic circuit
(73) Samsung Electronics Co., Ltd.
(72) Lee, Jeong-Ho
Hong, Seung-Pyo
Son, Ju-Ho
Jang, Seung-Ho
Gill, Hyun-Tae
Lee, Joon-Hee
Roh, Yi-Ju
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20100098593
(32) 11.10.2010
(33) Korea (Republic)
(47) 02.10.2019

(51) H03M 13/27
H04L 1/00
H04L 5/00

(11) EP3152853
(21) EP15806726.4
(22) 08.05.2015
(54) INTERLEAVER FOR MULTIUSER TRANSMISSION
(73) Intel IP Corporation
(72) LI, Qinghua
CHEN, Xiaogang
ZHU, Yuan
LI, Honggang
(74) ir. W.J.J.M. Kempes
(31) 201462009774 P
201414541887
(32) 09.06.2014
14.11.2014
(33) United States of America
United States of America
(47) 09.10.2019

(51) H04B 1/04
H04L 12/413
H04W 52/24
H04W 52/28
H04W 52/38
H04W 52/46
H04W 74/08
H04W 84/18
H04B 17/318
(11) EP3030013
(21) EP14832167.2
(22) 30.05.2014
(54) WIRELESS COMMUNICATION APPARATUS AND WIRELESS COMMUNICATION METHOD
(73) Sony Corporation
(72) IKENAGA, Yoshihiko
SAKODA, Kazuyuki
WATANABE, Nobuhiko
FUJITA, Chihiro
(74) ir. W.J.J.M. Kempes
(31) 2013156362
(32) 29.07.2013
(33) Japan
(47) 20.11.2019

(51) H04B 7/06
H04B 7/02
(11) EP2665200
(21) EP13178224.5
(22) 28.01.2011
(54) Reporting of channel information to support coordinated multi-point data transmission
(73) Qualcomm Incorporated
(72) Mallik, Siddhartha
Yoo, Taesang
Luo, Tao
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 299876 P
201113015532
(32) 29.01.2010
27.01.2011
(33) United States of America
United States of America
(47) 09.10.2019

(51) H04B 7/06
H04L 5/00
H04B 7/0456
(11) EP2898604
(21) EP13838422.7
(22) 23.09.2013
(54) METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING CHANNEL STATE INFORMATION IN WIRELESS COMMUNICATION SYSTEM
(73) Samsung Electronics Co., Ltd.
(72) KIM, Younsun
LEE, Hyojin
JI, Hyoungju
LEE, Juho
CHO, Joonyoung
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120103431
20120113608
(32) 18.09.2012
12.10.2012
(33) Korea (Republic)
Korea (Republic)
(47) 06.11.2019

(51) H04B 7/185
H04L 29/06
H04L 29/08
(11) EP3014853
(21) EP14817624.1
(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.
(74) ir. H.A. Witmans c.s.
(31) 201361839090 P
(32) 25.06.2013
(33) United States of America
(47) 11.09.2019

(51) H04B 7/26
H04L 12/66
H04L 29/06
H04M 3/42
(11) EP2345178
(21) EP09826265.2
(22) 11.11.2009
(54) APPARATUS AND METHOD FOR PROVIDING RECORDING SERVICE IN IP MULTIMEDIA SUBSYSTEM
(73) Samsung Electronics Co., Ltd.
(72) JUNG, Joon-Ho
LEE, Shi-Jae
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20080111614
(32) 11.11.2008
(33) Korea (Republic)
(47) 02.10.2019

(51) H04J 11/00
H04L 5/02
(11) EP1894335
(21) EP06769002.4
(22) 22.06.2006
(54) METHOD AND TRANSMISSION APPARATUS FOR ALLOCATING RESOURCES TO TRANSMIT UPLINK PACKET DATA IN AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SYSTEM
(73) Samsung Electronics Co., Ltd.
(72) KWAK, Yong-Jun 206-901, Sujinmaeul 2-danji
CHOI, Sung-Ho 232-503, Hwanggolmaeul 2-danji Apt.
CHO, Joon-Young 124-802, Hwanggolmaeul 1-danji Apt
LEE, Ju-Ho 730-304, Salgugol Hyundai Apt.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20050054083
(32) 22.06.2005
(33) Korea (Republic)
(47) 13.11.2019

(51) H04J 11/00
H04W 52/02
H04W 84/12
H04B 7/04
(11) EP3393178
(21) EP18177408.4
(22) 13.01.2014
(54) APPARATUS AND METHOD FOR DISCONTINUOUS RECEIVE IN COMMUNICATION SYSTEMS WITH LARGE NUMBER OF ANTENNAS
(73) Samsung Electronics Co., Ltd.
(72) LI, Ying
TAORI, Rakesh
PI, Zhouyue
RAMAKRISHNA, Sudhir
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361752825 P
201314046664
(32) 15.01.2013
04.10.2013
(33) United States of America
United States of America
(47) 02.10.2019

(51) H04L 1/00
(11) EP2645615
(21) EP13161449.7
(22) 27.03.2013
(54) Method and apparatus for allocating feedback channels in wireless communication system
(73) Samsung Electronics Co., Ltd
(72) Kim, Sang-Heon
Kang, Hee-Won
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20120031617
(32) 28.03.2012
(33) Korea (Republic)
(47) 04.09.2019

(51) H04L 1/00
H04L 1/12
H04L 12/801
H04L 12/811
H04L 12/825
H04L 12/853
(11) EP3103210
(21) EP15746450.4
(22) 28.01.2015
(54) CONGESTION CONTROL BITRATE ALGORITHM
(73) Sony Interactive Entertainment LLC
(72) RICKEBY, Christian
YOUNG, Kelvin
(74) ir. W.J.J.M. Kempes
(31) 201414174747
(32) 06.02.2014
(33) United States of America

(47) 23.10.2019
(51) H04L 1/00
H04L 25/49
H04L 29/02
(11) EP3087713
(21) EP14875009.4
(22) 26.11.2014
(54) DETERMINING A HIGH DATA RATE FOR BACKCHANNEL COMMUNICATIONS FOR INITIALIZATION OF HIGH-SPEED NETWORKS
(73) Intel Corporation
(72) CORNETT, Frank N.
ROTHERMEL, Brent, R.
(74) ir. W.J.J.M. Kempes
(31) 201314142139
(32) 27.12.2013
(33) United States of America
(47) 02.10.2019

(51) H04L 5/00
(11) EP3329623
(21) EP15750263.4
(22) 27.07.2015
(54) BLANKING PATTERN INDICATION FOR RESOURCE UTILIZATION IN CELLULAR RADIO COMMUNICATION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) FROEBERG OLSSON, Jonas
BERGSTROEM, Andreas
ERIKSSON, Erik
FRENGER, Pål
HESSLER, Martin
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 04.09.2019

(51) H04L 5/00
H04L 12/24
H04L 12/26
H04L 12/64
H04L 12/70
(11) EP3264693
(21) EP17171394.4
(22) 29.06.2013
(54) PROTECTION METHOD AND SYSTEM FOR MULTI-DOMAIN NETWORK, AND NODE
(73) Huawei Technologies Co., Ltd.
(72) YE, Min
LONG, Hao
(74) ir. W.J.J.M. Kempes
(47) 02.10.2019

(51) H04L 5/00
H04L 27/00
H04L 27/26
(11) EP3162028
(21) EP15811907.3
(22) 26.06.2015
(54) METHOD AND DEVICE FOR TRANSMITTING DATA
(73) Techflux Ltd.
(72) SEOK, Yong, Ho
(74) ir. H.Th. van den Heuvel c.s.
(31) 20140080173
20140080170
20140080171
20140080172
20140080174
20140080169
(32) 27.06.2014
27.06.2014
27.06.2014
27.06.2014
27.06.2014
27.06.2014
(33) Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
Korea (Republic)
(47) 23.10.2019

(51) H04L 5/00
H04W 16/26
H04W 36/00
H04W 74/00
H04W 74/08
(11) EP3297325
(21) EP17200778.3
(22) 07.01.2014
(54) METHODS AND APPARATUS FOR INTER-ENB CARRIER AGGREGATION
(73) Samsung Electronics Co., Ltd.
(72) LI, Ying
KIM, Soenghun
NG, Boon Loong
ZHANG, Jianzhong
NAM, Young-Han
PAPASAKELLARIOU, Aris
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361749731 P
201361757565 P
(32) 07.01.2013
28.01.2013
(33) United States of America
United States of America
(47) 06.11.2019

(51) H04L 5/00
H04W 52/32
H04W 52/42
H04B 7/0426
(11) EP2537265
(21) EP10845985.0
(22) 29.11.2010
(54) METHOD AND ARRANGEMENT FOR ADAPTING POWER OF REFERENCE SIGNALS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) HU, Yang
ASTELY, David
JONGREN, George
WANG, Jianfeng
(74) ir. M.F.J.M. Ketelaars c.s.
(31) PCT/CN2010/000214
(32) 17.02.2010
(33) World Intellectual Property Office (WIPO)
(47) 02.10.2019

(51) H04L 9/00
H04L 9/32
(11) EP3429121
(21) EP17180837.1
(22) 11.07.2017
(54) DIGITAL SIGNATURE GENERATION
(73) Nagravision S.A.
(72) VILLEGAS, Karine
MACCHETTI, Marco
(74) drs. W.H.P. Derks
(47) 06.11.2019

(51) H04L 9/08
H04L 9/32
G06F 21/10
G06F 21/57
(11) EP3317796
(21) EP16818840.7
(22) 30.06.2016
(54) REMOTELY MANAGED TRUSTED EXECUTION ENVIRONMENT FOR DIGITAL-RIGHTS MANAGEMENT IN A DISTRIBUTED NETWORK WITH THIN CLIENTS
(73) ActiveVideo Networks, Inc.
(72) BROCKMANN, Ronald
HIDDINK, Gerrit
(74) mr. ir. J. van Breda c.s.
(31) 201562187140 P
(32) 30.06.2015
(33) United States of America
(47) 25.09.2019

(51) H04L 9/32
H04L 29/06
(11) EP3211825
(21) EP15851892.8
(22) 10.10.2015
(54) TRUSTED TERMINAL VERIFICATION METHOD AND APPARATUS
(73) Alibaba Group Holding Limited
(72) LIANG, Jianguo
JIANG, Peiling
(74) dr. A. Krebs
(31) 201410579074
(32) 24.10.2014
(33) China
(47) 20.11.2019

(51) H04L 9/32
H04L 29/06
G06F 21/44
G06F 21/57
(11) EP3061027
(21) EP14861153.6
(22) 21.10.2014
(54) VERIFYING THE SECURITY OF A REMOTE SERVER
(73) Microsoft Technology Licensing, LLC
(72) SINHA, Saurav
KANNAN, Gopinathan
IDE, Nathan
COREY, Shawn
URECHE, Tony
(74) ir. P.J. Hylarides c.s.
(31) 201314061621
(32) 23.10.2013
(33) United States of America
(47) 02.10.2019

(51) H04L 9/32
H04L 29/06
H04W 12/06
G06F 21/31
(11) EP3179671
(21) EP15830014.5
(22) 17.07.2015
(54) METHOD AND DEVICE FOR IDENTITY AUTHENTICATION
(73) Alibaba Group Holding Limited
(72) YIN, Yan
(74) ir. H.A. Witmans c.s.

(31) 201410386942
(32) 07.08.2014
(33) China
(47) 04.09.2019

(51) H04L 12/08
H04L 12/24
H04L 12/46
H04L 29/06
H04L 29/08
H04L 29/12
H04W 12/08
H04W 76/12
G06F 16/901
(11) EP3342100
(21) EP16763642.2
(22) 26.08.2016
(54) DISTRIBUTING REMOTE DEVICE MANAGEMENT ATTRIBUTES TO SERVICE NODES FOR SERVICE RULE PROCESSING
(73) Nicira Inc.
(72) JAIN, Jayant
SENGUPTA, Anirban
NIMMAGADDA, Srinivas
TIAGI, Alok, S.
KUMAR, Kausum
(74) ir. W.J.J.M. Kempes
(31) 201562211677 P
201514929399
201514929400
201514929403
201514929405
201514929404
201514929402
201514929401
(32) 28.08.2015
01.11.2015
01.11.2015
01.11.2015
01.11.2015
01.11.2015
01.11.2015
01.11.2015
(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
United States of America
(47) 16.10.2019

(51) H04L 12/24
G06F 12/0811
G06F 12/084
(11) EP3038291
(21) EP15195504.4
(22) 19.11.2015
(54) END-TO-END DATACENTER PERFORMANCE CONTROL
(73) Intel Corporation
(72) HERDRICH, Andrew J.
CONNOR, Patrick
KUMAR, Dinesh
MIN, Alexander W.
IYER, Ravishankar
DAHLE, Daniel J.
SOOD, Kapil
SHAW, Jeffrey B.
(74) ir. W.J.J.M. Kempes
(31) 201414581595
(32) 23.12.2014
(33) United States of America
(47) 02.10.2019

(51) H04L 12/24
H04L 12/28
H04Q 11/00
H04L 12/931
H04L 12/935
H04L 12/937
(11) EP2572475
(21) EP10851886.1
(22) 20.05.2010
(54) SWITCHING IN A NETWORK DEVICE
(73) Hewlett Packard Enterprise Development LP
(72) BINKERT, Nathan
MCLAREN, Moray
TAN, Michael
(74) dr. W.A.H.M. Van Borm
(47) 15.05.2019

(51) H04L 12/24
H04L 29/08
(11) EP3295609
(21) EP16792930.6
(22) 09.05.2016
(54) METHOD AND DEVICE FOR PROVIDING COMMUNICATION SERVICE
(73) Samsung Electronics Co., Ltd.
(72) LEE, Jae-keun
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20150066944
(32) 13.05.2015
(33) Korea (Republic)
(47) 09.10.2019

(51) H04L 12/24
H04L 29/14
H04Q 11/00
H04L 12/721
(11) EP3348044
(21) EP16763609.1
(22) 09.08.2016
(54) BACKUP COMMUNICATIONS SCHEME IN COMPUTER NETWORKS
(73) Microsoft Technology Licensing, LLC
(72) RATTERREE, Gary
COX, Jeff
DEGRACE, Gerald
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514852184
(32) 11.09.2015
(33) United States of America
(47) 09.10.2019

(51) H04L 12/24
H04W 88/16
(11) EP3251297
(21) EP16773627.1
(22) 10.02.2016
(54) END-TO-END POLICY ENFORCEMENT IN THE PRESENCE OF A TRAFFIC MIDPOINT DEVICE
(73) Illumio, Inc.
(72) KIRNER, Paul
XIAO, Hai
FANDLI, Juraj
CARLTON, Michael
(74) dr. W.A.H.M. Van Borm
(31) 201562142968 P
201514934850
(32) 03.04.2015
06.11.2015
(33) United States of America
United States of America
(47) 09.10.2019

(51) H04L 12/26
H04L 29/06
H04L 29/08
G06F 16/951
(11) EP2936742
(21) EP13814587.5
(22) 30.12.2013
(54) LOW-LATENCY STREAMING
(73) Koninklijke KPN N.V.
(72) KOSTER, Arian
SCHINKEL, Dolf
VAN BRANDENBURG, Ray
THOMAS, Emmanuel
VAN DEVENTER, Mattijs Oskar
(74) ir. W.J.J.M. Kempes
(31) 12198896
13177087
(32) 21.12.2012
18.07.2013
(33) European Patent Office (EPO)
European Patent Office (EPO)
(47) 09.10.2019

(51) H04L 12/28
H04L 12/58
H04M 3/533
(11) EP2707995
(21) EP12783015.6
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1608CH2011
(32) 09.05.2011
(33) India
(47) 11.09.2019

(51) H04L 12/58
H04L 29/06
(11) EP2824873
(21) EP14176702.0
(22) 11.07.2014
(54) Qualified email headers
(73) BlackBerry Limited
(72) Ordogh, Zoltán
(74) ir. F.E. Hoeben
(31) 201313940007
(32) 11.07.2013
(33) United States of America
(47) 04.09.2019

(51) H04L 25/02
(11) EP2624510
(21) EP11828908.1
(22) 22.09.2011
(54) TRANSMISSION APPARATUS, TRANSMISSION METHOD, RECEPTION APPARATUS, RECEPTION METHOD,

TRANSMISSION/RECEPTION SYSTEM, AND CABLE
(73) Sony Corporation
(72) TOBA, Kazuaki
SUZUKI, Kazuyoshi
ICHIMURA, Gen
HAYASHI, Toshihide
(74) ir. W.J.J.M. Kempes
(31) 2010220328
(32) 30.09.2010
(33) Japan
(47) 27.11.2019

(51) H04L 29/06
(11) EP2218242
(21) EP08841394.3
(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
(74) ir. F.E. Hoeben
(31) 983174 P
15003
(32) 27.10.2007
19.12.2007
(33) United States of America
United States of America
(47) 11.09.2019

(51) H04L 29/06
(11) EP2561660
(21) EP11727160.1
(22) 17.06.2011
(54) CONTROLLING DATA TRANSMISSION OVER A NETWORK
(73) Skype
(72) RODBRO, Christoffer
STROMMER, Stefan
(74) ir. H.A. Witmans c.s.
(31) 201010312
(32) 18.06.2010
(33) United Kingdom
(47) 04.09.2019

(51) H04L 29/06
(11) EP3261318
(21) EP17186193.3
(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
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20110062510
(32) 27.06.2011
(33) Korea (Republic)
(47) 11.09.2019

(51) H04L 29/06
(11) EP3379790
(21) EP17162396.0
(22) 22.03.2017
(54) METHOD FOR AN IMPROVED HANDLING OF A PACKET SWITCHED EMERGENCY CALL WITHIN A TELECOMMUNICATIONS NETWORK AND/OR FOR AN ENHANCED HANDLING OF LOCAL EMERGENCY SERVICE INFORMATION BY A USER EQUIPMENT, SYSTEM, USER EQUIPMENT AND PROGRAM
(73) Deutsche Telekom AG
(72) LAUSTER, Reinhard
(74) J.M.H. Duyver lic.
(47) 09.10.2019

(51) H04L 29/06
G06F 21/34
(11) EP3336736
(21) EP17207440.3
(22) 14.12.2017
(54) AUXILIARY ID TOKEN FOR MULTI-FACTOR AUTHENTICATION
(73) Bundesdruckerei GmbH
(72) SEEGEBARTH, Christian
DIETRICH, Frank
(74) J.M.H. Duyver lic.
(31) 102016225357
(32) 16.12.2016
(33) Germany
(47) 30.10.2019

(51) H04L 29/06
H04L 29/08
G06F 21/62
G06F 16/955
(11) EP2820589
(21) EP13708116.2
(22) 27.02.2013
(54) DELIVERING DATA OVER A NETWORK
(73) Qando Services Inc.
(72) SYRGABEKOV, Iskender
ZADAULY, Yerkin
(74) ir. H.J.G. Lips c.s.
(31) 201203558
(32) 29.02.2012
(33) United Kingdom
(47) 23.10.2019

(51) H04L 29/06
H04W 12/02
H04W 84/04
(11) EP2014055
(21) EP07761538.3
(22) 29.04.2007
(54) UNINTERRUPTED TRANSMISSION DURING A CHANGE IN CIPHERING CONFIGURATION
(73) Qualcomm Incorporated
(72) MAHESHWARI, Shailesh
CHIKKAPPA, Kiran
RAMACHANDRAN, Vivek c/o Qualcomm Inc.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 795775 P
(32) 28.04.2006
(33) United States of America
(47) 16.10.2019

(51) H04L 29/06
H04W 12/04
H04W 52/02
H04W 76/28
(11) EP3351031
(21) EP16754335.4
(22) 04.08.2016
(54) RADIO ACCESS NODES AND TERMINAL DEVICES IN A COMMUNICATION NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) OHLSSON, Oscar
NORRMAN, Karl
STATTIN, Magnus
SCHLIWA-BERTLING, Paul
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201562218166 P
(32) 14.09.2015
(33) United States of America
(47) 09.10.2019

(51) H04L 29/08
H04L 29/12
(11) EP3100438
(21) EP15703655.9
(22) 13.01.2015
(54) AN ANYCAST BASED, WIDE AREA DISTRIBUTED MAPPING AND LOAD BALANCING SYSTEM
(73) Google LLC
(72) KONTOTHANASSIS, Leonidas
PRESOTTO, David
JAIN, Ankur
(74) ir. H.Th. van den Heuvel c.s.
(31) 201414164925
(32) 27.01.2014
(33) United States of America
(47) 25.09.2019

(51) H04L 29/12
H04W 8/26
H04W 28/18
H04W 48/08
H04W 60/00
H04W 76/12
(11) EP1902550
(21) EP06787130.1
(22) 13.07.2006
(54) WIRELESS COMMUNICATION SYSTEM AND METHOD OF IMPLEMENTING AN EVOLVED SYSTEM ATTACHMENT PROCEDURE
(73) InterDigital Technology Corporation
(72) SHAHEEN, Kamel, M.
(74) ir. P.J. Hylarides c.s.
(31) 485082
699304 P
(32) 12.07.2006
14.07.2005
(33) United States of America
United States of America
(47) 09.10.2019

(51) H04M 1/02
H04M 1/03
H04M 1/05
H04M 1/60
H04R 17/00
H04R 25/00
(11) EP2661055
(21) EP11853718.2
(22) 26.12.2011
(54) MOBILE TELEPHONE
(73) FINEWELL Co., Ltd.
(72) HOSOI Hiroshi
HOSOI Yoji

MORIMOTO Masashi
TANAKA Masahide
(74) mr. ir. J. van Breda c.s.
(31) 2010289894
2011009546
2011021312
2011028489
2011037543
2011038011
2011048787
2011064543
2011102006
2011103604
2011125705
2011132634
2011147934
2011155966
2011166439
2011179815
2011191995
2011207627
2011219638
2011228890
2011243624
2011253267
2011276160
(32) 27.12.2010
20.01.2011
03.02.2011
14.02.2011
23.02.2011
24.02.2011
07.03.2011
23.03.2011
28.04.2011
06.05.2011
03.06.2011
14.06.2011
04.07.2011
14.07.2011
29.07.2011
19.08.2011
02.09.2011
22.09.2011
03.10.2011
18.10.2011
07.11.2011
18.11.2011
16.12.2011
(33) Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
Japan
(47) 09.10.2019

(51) H04M 1/57
(11) EP2632127
(21) EP13157076.4
(22) 27.02.2013
(54) Method and apparatus pertaining to presenting incoming-call identifiers
(73) BlackBerry Limited
(72) Greisson, Erik Artur
Fields, Gregory Jason
(74) ir. F.E. Hoeben
(31) 201213405764
(32) 27.02.2012
(33) United States of America
(47) 06.11.2019

(51) H04M 1/60
H04M 1/66
H04M 1/725
H04W 84/18
G06F 21/74
H04W 4/02
(11) EP2420047
(21) EP10716664.7
(22) 16.04.2010
(54) SYSTEM AND METHOD FOR MANAGEMENT OF WIRELESS DEVICES ABOARD AN AIRCRAFT
(73) Federal Express Corporation
(72) LEMMON, Andrew, N.
SKAAKSRUD, Ole-petter
JACOBS, J., Randy
(74) ir. A. Blokland c.s.
(31) 202887 P
272458 P
(32) 16.04.2009
25.09.2009
(33) United States of America
United States of America
(47) 04.09.2019

(51) H04M 1/725
G06F 3/0481
G06F 3/0486
G06F 3/0488
(11) EP3271806
(21) EP16811877.6
(22) 13.06.2016
(54) METHOD FOR CONTROLLING NOTIFICATION AND ELECTRONIC DEVICE THEREOF
(73) Samsung Electronics Co., Ltd.
(72) HAN, Jonghyun
KIM, Bo-Keun
CHOI, Kyuok
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20150085251
(32) 16.06.2015
(33) Korea (Republic)
(47) 09.10.2019

(51) H04N 5/232
H04N 17/00
(11) EP3407594
(21) EP18170272.1
(22) 01.05.2018
(54) A METHOD FOR DYNAMICALLY CALIBRATING AN IMAGE CAPTURE DEVICE
(73) FotoNation Limited
(72) MALAESCU, Alexandru
NANU, Florin
(74) ir. F.E. Hoeben
(31) 201715605159
(32) 25.05.2017
(33) United States of America
(47) 11.09.2019

(51) H04N 5/355
H04N 5/359
(11) EP3311560
(21) EP16811784.4
(22) 01.02.2016
(54) PHOTOGRAPHING APPARATUS FOR PREVENTING LIGHT LEAKAGE AND IMAGE SENSOR THEREOF
(73) Samsung Electronics Co., Ltd.
(72) MOON, Jae-joon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20150087582
(32) 19.06.2015
(33) Korea (Republic)
(47) 11.09.2019

(51) H04N 5/355
H04N 5/3745
G06T 3/40
G06T 5/50
H04N 1/387
H04N 5/235
H04N 9/04
H04N 9/07
(11) EP3328076
(21) EP17198892.6
(22) 27.10.2017
(54) IMAGE PROCESSING METHOD AND APPARATUS, AND ELECTRONIC DEVICE
(73) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(72) TANG, Cheng
(74) drs. C.M.A. Quintelier
(31) 201611079543
(32) 29.11.2016
(33) China
(47) 23.10.2019

(51) H04N 5/374
H04N 5/3745
H01L 27/146
(11) EP3252818
(21) EP16743125.3
(22) 15.01.2016
(54) SOLID-STATE IMAGING ELEMENT AND ELECTRONIC DEVICE
(73) Sony Semiconductor Solutions Corporation
(72) KOGA, Fumihiko
(74) ir. W.J.J.M. Kempes
(31) 2015015538
(32) 29.01.2015
(33) Japan
(47) 20.11.2019

(51) H04N 7/16
H04N 7/167
H04N 21/222
H04N 21/254
H04N 21/266

H04L 9/06
H04L 9/08
H04L 29/06
(11) EP2327211
(21) EP09815062.6
(22) 15.09.2009
(54) SIMULCRYPT KEY SHARING WITH HASHED KEYS
(73) Sony Corporation
Sony Electronics Inc.
(72) CANDELORE, Brant, L.
(74) ir. W.J.J.M. Kempes
(31) 284049
(32) 18.09.2008
(33) United States of America
(47) 06.11.2019

(51) H04N 7/167
H04N 21/2347
H04N 21/266
H04N 21/4408
H04N 21/6334
H04L 9/08
H04L 9/14
H04L 9/32
(11) EP2227014
(21) EP10154150.6
(22) 19.02.2010
(54) SECURELY PROVIDING SECRET DATA FROM A SENDER TO A RECEIVER
(73) Irdeto B.V.
(72) Eisen, Philip Allan
Benedetti, Ettore
Van Foreest, Arnoud Evert
Wajs, Andrew Augustine
(74) ir. H.J.G. Lips c.s.
(31) 09154129
(32) 02.03.2009
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) H04N 13/359
H04N 13/398
(11) EP2302940
(21) EP10173975.3
(22) 25.08.2010
(54) Display apparatus and three-dimensional video signal displaying method thereof
(73) Samsung Electronics Co., Ltd.
(72) Ko, Chang-seog
Han, Ji-youn
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20090091643
(32) 28.09.2009
(33) Korea (Republic)
(47) 02.10.2019

(51) H04N 19/115
H04N 19/146
H04N 19/174
H04N 19/42
H04N 19/433
H04N 19/70
(11) EP2936818
(21) EP13818050.0
(22) 10.12.2013
(54) LOW-DELAY BUFFERING MODEL IN VIDEO CODING
(73) QUALCOMM INCORPORATED
(72) WANG, Ye-Kui
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201261739632 P
201261745423 P
201314036615
(32) 19.12.2012
21.12.2012
25.09.2013
(33) United States of America
United States of America
United States of America
(47) 09.10.2019

(51) H04N 19/117
H04N 19/82
(11) EP3439307
(21) EP18195262.3
(22) 05.04.2011
(54) METHOD AND APPARATUS FOR CODING VIDEO
(73) Samsung Electronics Co., Ltd.
(72) ALSHIN, Alexander
ALSHINA, Elena
SHLYAKHOV, Nikolay
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20100031143
(32) 05.04.2010
(33) Korea (Republic)
(47) 04.12.2019

(51) H04N 19/13
H04N 19/61
H04N 19/91
(11) EP2645715
(21) EP11843220.2
(22) 23.11.2011
(54) METHOD FOR SIGNALING IMAGE INFORMATION, AND METHOD FOR DECODING IMAGE INFORMATION USING SAME
(73) LG Electronics Inc.
(72) LIM, Jae Hyun
PARK, Seung Wook
KIM, Jung Sun
JEON, Yong Joon
PARK, Joon Young
JEON, Byeong Moon
(74) ir. H.A. Witmans c.s.
(31) 417265 P
418876 P
421193 P
201161432601 P
201161441655 P
(32) 25.11.2010
02.12.2010
08.12.2010
14.01.2011
11.02.2011
(33) United States of America
United States of America
United States of America
United States of America
United States of America
(47) 06.11.2019

(51) H04N 19/30
H04N 19/70
(11) EP3061249
(21) EP14795742.7
(22) 23.10.2014
(54) MULTI-LAYER VIDEO FILE FORMAT DESIGNS
(73) Qualcomm Incorporated
(72) WANG, Ye-Kui
CHEN, Ying
RAMASUBRAMONIAN, Adarsh Krishnan
HENDRY, Fnu
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361894886 P
201414521099
(32) 23.10.2013
22.10.2014
(33) United States of America
United States of America
(47) 09.10.2019

(51) H04N 21/20
H04N 21/2343
H04N 21/238
H04N 21/442
H04N 21/6373
H04L 29/06
H04L 12/801
H04L 12/815
(11) EP2987284
(21) EP14784642.2
(22) 18.04.2014
(54) METHOD AND APPARATUS FOR CONTROLLING MEDIA DELIVERY IN MULTIMEDIA TRANSPORT NETWORK
(73) Samsung Electronics Co., Ltd.
(72) PARK, Kyung-Mo
RHYU, Sung-Ryeul
HWANG, Sung-Oh
SONG, Jae-Yeon
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 20130043230
(32) 18.04.2013
(33) Korea (Republic)
(47) 18.09.2019

(51) H04N 21/2343
H04N 21/258
H04J 11/00
H04L 1/18
H04L 5/00
H04L 12/24
H04L 12/26
H04L 27/26
H04L 29/06
H04L 29/08
H04W 12/06
H04W 16/28
H04W 24/02
H04W 88/06
H04L 12/703
H04L 12/807
H04W 76/14
H04W 76/15
H04W 76/16
H04W 76/28
(11) EP2880789
(21) EP13826477.5
(22) 05.08.2013
(54) UPLINK CONTROL INFORMATION TRANSMISSION WITH LARGE NUMBER OF BITS
(73) Intel Corporation
(72) HAN, Seunghee
HE, Hong
BASHAR, Shafi
FWU, Jong-Kae
ZHU, Yuan

(74) ir. W.J.J.M. Kempes
(31) 201261679627 P
201313953521
(32) 03.08.2012
29.07.2013
(33) United States of America
United States of America
(47) 25.09.2019

(51) H04N 21/2665
H04N 21/462
H04L 29/06
(11) EP2493141
(21) EP12000787.7
(22) 07.02.2012
(54) Gateway/set top box image merging for delivery to serviced client device
(73) Avago Technologies International Sales Pte. Limited
(72) Chen, Sherman
Erickson, David
Silyaev, Vladimir
Trerise, Alan
Kellerman, Marcus
Karaoguz, Jeyhan
(74) ir. W.J.J.M. Kempes
(31) 201161445683 P
201113114314
(32) 23.02.2011
24.05.2011
(33) United States of America
United States of America
(47) 18.09.2019

(51) H04N 21/43
H04N 21/439
H04N 21/44
H04N 21/6437
(11) EP2670157
(21) EP13169903.5
(22) 30.05.2013
(54) Fingerprint-based inter-destination media synchronization
(73) Koninklijke KPN N.V.
Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(72) Stokking, Hans Maarten
van Brandenburg, Ray
van Deventer, Mattijs Oskar
(74) ir. W.J.J.M. Kempes
(31) 12170408
(32) 01.06.2012
(33) European Patent Office (EPO)
(47) 02.10.2019

(51) H04N 21/61
H04B 3/32
H04L 12/26
H04L 12/28
H04B 3/46
H04B 3/487
H04B 17/345
(11) EP3382950
(21) EP18155636.6
(22) 07.02.2018
(54) SIGNALING METHOD FOR INTERFERENCE GROUP DISCOVERY IN CABLE MODEMS
(73) Intel Corporation
(72) ARAMBEPOLA, Bernard
HEWAVITHANA, Thushara
TAL, Noam
SHULMAN, Shaul
(74) ir. W.J.J.M. Kempes
(31) 201715475448
(32) 31.03.2017
(33) United States of America
(47) 02.10.2019

(51) H04N 21/61
H04N 21/845
(11) EP3095247
(21) EP15703165.9
(22) 16.01.2015
(54) ROBUST LIVE OPERATION OF DASH
(73) Qualcomm Incorporated
(72) STOCKHAMMER, Thomas
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201461928381 P
201514598110
(32) 16.01.2014
15.01.2015
(33) United States of America
United States of America
(47) 02.10.2019

(51) H04R 1/02
(11) EP2787745
(21) EP14161885.0
(22) 27.03.2014
(54) LOUDSPEAKER BRACKET
(73) Funktion One Research
(72) Andrews, Anthony John
Hunt, Toby Charles Collingwood
Newsham, John
(74) ir. H.A. Witmans c.s.
(31) 201306051
201320851
(32) 04.04.2013
26.11.2013
(33) United Kingdom
United Kingdom
(47) 04.09.2019

(51) H04R 1/02
H04R 1/28
(11) EP3331252
(21) EP18151887.9
(22) 06.02.2015
(54) ELECTRONIC DEVICE
(73) LG Electronics Inc.
(72) JE, Yongjun
KO, Youngin
(74) J.M.H. Duyver lic.
(31) 20140014385
(32) 07.02.2014
(33) Korea (Republic)
(47) 11.09.2019

(51) H04R 25/00
(11) EP2140725
(21) EP08746622.3
(22) 23.04.2008
(54) USER PROGRAMMABLE HEARING ASSISTANCE DEVICE
(73) Schumaier, Daniel R.
(72) Schumaier, Daniel R.
(74) ir. H.J.G. Lips c.s.
(31) 739781
17080
36594
(32) 25.04.2007
21.01.2008
14.03.2008
(33) United States of America
United States of America
United States of America
(47) 23.10.2019

(51) H04W 4/02
(11) EP3342194
(21) EP16745258.0
(22) 29.06.2016
(54) AUGMENTING REALITY USING A SMALL CELL
(73) Qualcomm Incorporated
(72) DAS, Soumya
PARK, Edwin, Chongwoo
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201514839638
(32) 28.08.2015
(33) United States of America
(47) 09.10.2019

(51) H04W 4/10
H04W 48/20
H04W 84/04
H04W 84/08
H04W 76/45
(11) EP3125585
(21) EP14887051.2
(22) 31.12.2014
(54) MOBILE STATION, REPEATER AND METHODS FOR TRUNKING COMMUNICATION
(73) Hytera Communications Corporation Limited
(72) ZHANG, Yingzhe
CHIA, Samuel Han Siong
XU, Yan
TAN, Yuwang
LUO, Zhenghua
(74) ir. H.J.G. Lips c.s.
(31) 201410117883
(32) 26.03.2014
(33) China
(47) 25.09.2019

(51) H04W 8/26
H04W 48/00
H04W 48/08
H04W 48/18
H04W 76/11
H04W 76/27
(11) EP3327992
(21) EP16827093.2
(22) 16.05.2016
(54) METHOD OF SELECTING NETWORK SLICE AND SYSTEM UTILIZING SAME
(73) ZTE Corporation
(72) ZONG, Zaifeng
(74) drs. C.M.A. Quintelier
(31) 201510434262
(32) 22.07.2015
(33) China
(47) 18.09.2019

(51) H04W 16/32
H04W 24/02
H04W 48/08
H04W 48/16
H04W 52/02
H04W 64/00
H04W 84/04
H04W 84/12
H04W 88/06

(11) EP3162125
(21) EP15811016.3
(22) 28.05.2015
(54) SYSTEMS, METHODS AND DEVICES FOR SMALL CELL ACTIVATION AND DETECTION
(73) Intel IP Corporation
(72) SCHMIDT, Andreas
BIENAS, Maik
FAERBER, Michael
HANS, Martin
(74) ir. W.J.J.M. Kempes
(31) 201414316316
(32) 26.06.2014
(33) United States of America
(47) 02.10.2019

(51) H04W 24/08
G06Q 30/02
(11) EP2993636
(21) EP15182662.5
(22) 27.08.2015
(54) SYSTEM ARCHITECTURE FOR CLOSED-LOOP MOBILE LOCKSCREEN DISPLAY STATE CONTROL
(73) Accenture Global Services Limited
(72) Meads, Christopher Robert Jeffrey
Dewhurst, Charles William David
(74) ir. J.D. de Zeeuw
(31) 201462043184 P
(32) 28.08.2014
(33) United States of America
(47) 25.09.2019

(51) H04W 36/30
H04W 36/36
H04W 48/16
H04W 48/20
(11) EP3337239
(21) EP16839229.8
(22) 22.08.2016
(54) USER DEVICE, MOBILE COMMUNICATION SYSTEM, AND CELL SELECTION METHOD
(73) NTT DOCOMO, INC.
(72) TAKAHASHI, Hideaki
UMEDA, Hiromasa
(74) mr.ir. F.N. Ferro
(31) 2015168340
2015188869
2015199798
2015216174
2015226978
(32) 27.08.2015
25.09.2015
07.10.2015
02.11.2015
19.11.2015
(33) Japan
Japan
Japan
Japan
Japan
(47) 06.11.2019

(51) H05B 3/14
(11) EP2656684
(21) EP11824284.1
(22) 21.12.2011
(54) REDUCED CERAMIC HEATING ELEMENT
(73) Philip Morris Products S.A.
(72) PLOJOUX, Julien
GREIM, Olivier
(74) dr. W.A.H.M. Van Borm
(31) 10252224
(32) 24.12.2010
(33) European Patent Office (EPO)
(47) 30.10.2019

(51) H05B 33/08
(11) EP2553667
(21) EP11760131.0
(22) 23.03.2011
(54) DYNAMIC LOADING OF POWER SUPPLIES
(73) Cree, Inc.
(72) MYERS, Peter J.
CHOBOT, Joseph, Paul
(74) ir. H.J.G. Lips c.s.
(31) 824819
318010 P
(32) 28.06.2010
26.03.2010
(33) United States of America
United States of America
(47) 30.10.2019

(51) H05B 37/02
F21V 23/00
(11) EP3211302
(21) EP15866517.4
(22) 02.12.2015
(54) DIMMING DEVICE AND DRIVE DIMMING DEVICE
(73) Opple Lighting Co,. Ltd.
(72) XU, Xingxing
YU, Shiwei
ZHENG, Lei
ZUO, Zhuang
XU, Jianlin
ZHOU, Mingxing
DUAN, Huiqing
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201410768603
201420788170 U
(32) 12.12.2014
12.12.2014
(33) China
China
(47) 25.09.2019

(51) H05B 39/04
(11) EP2887774
(21) EP14188589.7
(22) 13.10.2014
(54) Circuit for operating a lamp unit which can be operated with alternating current and method for operating such a lamp unit
(73) Insta GmbH
(72) Krause, Karl-Heinz
Marks, Pierre
(74) ir. H.J.G. Lips c.s.
(31) 102013114761
(32) 23.12.2013
(33) Germany
(47) 23.10.2019

EP4

Voor Nederland verleende gewijzigde Europese octrooien.
Contains data concerning European patents granted in amended form (B2 or B3 publications).

(51) A23F 5/18
A47J 31/06
A47J 31/36
B65D 85/804
(11) EP2510802
(21) EP12165182.2
(22) 08.08.2008
(54) System for preparing a beverage
(73) Koninklijke Douwe Egberts B.V.
(72) Biesheuvel, Arend Cornelis Jacobus
Kamerbeek, Ralf
Wong, Kon Euan Gerard
Brandt, Guido
Koeling, Hendrik Cornelis
(31) 08150807
(32) 29.01.2008
(33) European Patent Office (EPO)
(47) 26.10.2016

(51) A23L 1/29
A23L 1/305
(11) EP1799052
(21) EP05795459.6
(22) 09.09.2005
(54) METHODS FOR THE MANUFACTURE OF NUTRITIONAL PRODUCTS HAVING IMPROVED QUALITY
(73) Société des Produits Nestlé S.A.
(72) KRATKY, Zdenek
HASCHKE, Ferdinand
GERMAN, John Bruce
STEVEN, Matthew
BUETLER, Timo
BAUER, Werner
(31) 608635 P
(32) 09.09.2004
(33) United States of America
(47) 22.12.2010

(51) A61K 31/7088
A61K 48/00
C12N 15/11
(11) EP1619249
(21) EP05076770.6
(22) 21.09.2001
(54) Induction of exon skipping in eukaryotic cells
(73) Academisch Ziekenhuis Leiden
(72) van Ommen, Garrit-Jan Boudewijn
van Deutekom, Judith Christina Theodora
den Dunnen, Johannes Theodorus
(31) 00203283
(32) 21.09.2000
(33) European Patent Office (EPO)
(47) 24.09.2008

(51) B01J 23/30
B01J 23/64
C07C 29/00
C07C 29/132
C07C 29/136
C07C 31/20
(11) EP2548858
(21) EP10847750.6
(22) 04.11.2010
(54) PROCESS FOR PREPARING ETHYLENE GLYCOL FROM POLYHYDRIC COMPOUNDS
(73) Dalian Institute Of Chemical Physics, Chinese Academy Of Sciences
(72) ZHANG, Tao
TAI, Zhijun
WANG, Aiqin
ZHENG, Mingyuan
(31) 201010125806
(32) 17.03.2010
(33) China
(47) 11.01.2017

(51) B26B 19/44
(11) EP2781321
(21) EP14158731.1
(22) 11.03.2014
(54) Single-motor suction hair clipper
(73) SEB S.A.
(72) Chambon, Vincent
Maisonneuve, Martial
Vacheron, Xavier
(31) 1352617
(32) 22.03.2013
(33) France
(47) 30.11.2016

(51) B32B 3/26
B32B 17/10
B32B 27/30
B60J 1/00
C03C 27/12
G02B 27/01
(11) EP2017237
(21) EP07743194.8
(22) 11.05.2007
(54) INTERMEDIATE FILM FOR LAMINATED GLASS AND LAMINATED GLASS
(73) Sekisui Chemical Co., Ltd.
(72) MIYAI, Jiro
(31) 2006134200
(32) 12.05.2006
(33) Japan
(47) 21.06.2017

(51) C07C 273/16
(11) EP2877448
(21) EP13734731.6
(22) 03.07.2013
(54) CONCENTRATION OF THE UREA SOLUTION IN A PROCESS FOR THE SYNTHESIS OF UREA
(73) CASALE SA
(72) SCOTTO, Andrea
(31) 12178262
(32) 27.07.2012
(33) European Patent Office (EPO)
(47) 07.09.2016

(51) C09D 5/00
(11) EP2767564
(21) EP14001700.5
(22) 01.08.2008
(54) CLEARCOAT COMPOSITION
(73) PPG Industries Ohio Inc.
(72) Thomas, Stephen J.
Bowman, Mark P.
(31) 840300
(32) 17.08.2007
(33) United States of America
(47) 05.10.2016

(51) C09D 11/02
(11) EP1603982
(21) EP04717605.2
(22) 05.03.2004
(54) PRINTING INKS COMPRISING CYCLOHEXANE POLYCARBOXYLIC ACID DERIVATIVES
(73) BASF SE
(72) BEDAT, Joelle
BREITSCHEIDEL, Boris
SELBERDINGER, Richard
(31) 10311588
10360391
(32) 14.03.2003
19.12.2003
(33) Germany
Germany
(47) 25.01.2017

(51) E04B 1/68
E06B 1/62
(11) EP2784232
(21) EP14161054.3
(22) 21.03.2014
(54) Sealing tape
(73) Tremco illbruck Produktion GmbH
(72) Köppl, Alfred
Komma, Markus
(31) 202013101372 U
(32) 28.03.2013
(33) Germany
(47) 16.03.2016

(51) E05B 47/06
(11) EP1736622
(21) EP05013640.7
(22) 24.06.2005
(54) Lock cylinder
(73) ASSA ABLOY AB
(72) Lange, Volker
(47) 28.12.2016

(51) H02H 3/33
(11) EP3048685
(21) EP15151908.9
(22) 21.01.2015
(54) Fault-current protection device and method for switching switch contacts of the fault-current protection device
(73) PC Electric Ges.m.b.H.
(74) ir. J.C. Volmer c.s.
(72) Irsigler, Thomas

Froschauer, Josef
(47) 08.08.2018

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) A23J 1/20
A61K 35/20
A61K 38/17
A61P 3/10
A23L 33/19
(11) EP2413952
(21) EP10710358.2
(22) 26.03.2010
(54) Improvement in promotion of healthy catch-up growth
(73) Société des Produits Nestlé S.A.
(72) APRIKIAN, Olivier
BLANCHER, Florence
MACE, Catherine
SHAHKHALILI, Yassaman
(74) ir. F.A. Geurts c.s.
(31) 09157244
(32) 03.04.2009
(33) European Patent Office (EPO)
(47) 23.03.2016

(51) A61F 9/007
A61B 90/00
(11) EP2341840
(21) EP09752618.0
(22) 06.11.2009
(54) METHOD FOR PROGRAMMING FOOT PEDAL SETTINGS AND CONTROLLING PERFORMANCE THROUGH FOOT PEDAL VARIATION
(73) JOHNSON & JOHNSON SURGICAL VISION, INC.
(72) WONG, Wayne S.
CLAUS, Michael J.
HUNTER, Timothy
HAJISHAH, Abraham
LINKS, Jeremy T.
(74) ir. W.J.J.M. Kempes
(31) 112517 P
(32) 07.11.2008
(33) United States of America
(47) 15.02.2017

(51) B01D 29/25
B09B 3/00
B30B 9/06
C02F 11/12
(11) EP2344284
(21) EP10705292.0
(22) 17.02.2010
(54) MACHINE FOR PROCESSING THE ORGANIC FRACTION OF URBAN SOLID WASTE
(73) DB Technologies BV
(72) GONELLA, Carlo
(74) ir. H.A. Witmans c.s.
(31) TO20090140
(32) 26.02.2009
(33) Italy
(47) 10.08.2016

(51) B01D 53/14
C07D 301/12
(11) EP1740562
(21) EP05732268.7
(22) 19.04.2005
(54) A METHOD OF SEPARATING AN OLEFIN FROM A GAS STREAM
(73) BASF SE
THE DOW CHEMICAL COMPANY
(72) GÖBBEL, Hans-Georg
SCHULTZ, Henning
SCHULTZ, Peter
PATRASCU, Renate
SCHULZ, Malte
WEIDENBACH, Meinolf
(74) ir. W.J.J.M. Kempes
(31) 828291
(32) 21.04.2004
(33) United States of America
(47) 09.11.2011

(51) B01J 3/00
B09B 3/00
C10G 1/00
C10G 1/10
C10J 3/00
C10J 3/78
(11) EP2178625
(21) EP08714471.3
(22) 26.03.2008
(54) PROCESS FOR CONVERTING ORGANIC MATTER INTO A PRODUCT
(73) Ignite Resources Pty Ltd
Licella Pty Limited
Licella Fibre Fuels Pty Ltd
(72) HUMPHREYS, Leonard James
(74) drs. C.M.A. Quintelier
(31) 2007904037 P
(32) 27.07.2007
(33) Australia
(47) 28.09.2016

(51) C07K 14/03
C07K 14/195
C07K 14/47
C12N 9/12
C12N 9/22
C12N 15/63
C12N 5/07
C12N 5/071
C12Q 1/68
(11) EP2821413
(21) EP14179189.7
(22) 30.11.2012
(54) Nucleotide-specific recognition sequences for designer tal effectors
(73) The Broad Institute, Inc.
Massachusetts Institute of Technology
President and Fellows of Harvard College
(72) Zhang, Feng
Cong, Le
(74) ir. W.J.J.M. Kempes
(31) 201161565171 P
201213554922
201213604945
(32) 30.11.2011
20.07.2012
06.09.2012
(33) United States of America
United States of America
United States of America
(47) 07.09.2016

(51) C12N 1/20
C12N 15/01
C12R 1/125
A23K 10/18
A23K 20/00
A23L 33/135
(11) EP2379705
(21) EP09795409.3
(22) 16.12.2009
(54) A BILE RESISTANT BACILLUS COMPOSITION
(73) Chr. Hansen A/S
(72) KNAP, Inge
KNARREBORG, Ane
LESER, Thomas Dyrmann
LUND, Bente
CANTOR, Mette Dines
DERKX, Patrick
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 08389501
(32) 19.12.2008
(33) European Patent Office (EPO)
(47) 30.11.2016

(51) E01B 29/17
(11) EP1733096
(21) EP05734048.1
(22) 24.03.2005
(54) RAILWAY RAIL HANDLING APPARATUS AND METHOD
(73) W & D McCulloch Ltd.
(72) MCCULLOCH, William, Francis
(74) ir. J.D. de Zeeuw
(31) 0406945
(32) 27.03.2004
(33) United Kingdom
(47) 13.05.2009

(51) F03D 1/00
(11) EP1592882
(21) EP03815540.4
(22) 07.11.2003
(54) METHOD FOR MOUNTING A ROTOR BLADE OF A WIND ENERGY

INSTALLATION WITHOUT USING A CRANE
(73) Aloys Wobben
(72) Wobben, Aloys
(74) ir. H.Th. van den Heuvel c.s.
(31) 10303555
(32) 29.01.2003
(33) Germany
(47) 02.05.2007

(51) H04N 19/117
H04N 19/157
H04N 19/176
H04N 19/61
H04N 19/82
H04N 19/86
(11) EP2571269
(21) EP11780820.4
(22) 12.05.2011
(54) IMAGE-FILTERING METHOD AND APPARATUS, AND ENCODING/ DECODING METHOD AND APPARATUS USING SAME
(73) SK Telecom. Co., Ltd.
(72) SONG, Jinhan
LIM, Jeongyeon
LEE, Yunglyul
MOON, Joohee
KIM, Haekwang
JEON, Byeungwoo
HAN, Jongki
KIM, Daeyeon
HONG, Sungwook
(74) mr. ir. J. van Breda c.s.
(31) 20100047302
20100044687
(32) 20.05.2010
12.05.2010
(33) Korea (Republic)
Korea (Republic)
(47) 02.11.2016

SPC

Ingeschreven en verleende certificaten.
Contains data concerning applications for- or granted Supplementary Protection Certificates.

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) EP2031049
(51) C01B 11/06
C01B 15/00
C11D 3/22
C11D 3/37
C11D 3/395
C11D 17/00
C11D 17/04
(00) 10/19
06.03.2019

(11) EP2196189
(51) A61K 8/41
A61K 8/49
A61Q 17/04
(00) 10/19
06.03.2019

(11) EP2198927
(51) A61K 8/22
A61K 8/31
A61K 8/34
A61K 8/37
A61K 8/39
A61K 8/86
A61K 8/92
A61Q 5/06
A61Q 5/08
A61Q 5/10
(00) 10/19
06.03.2019

(11) EP2255952
(51) B29C 65/16
F21V 17/00
(00) 09/19
27.02.2019

(11) EP2423325
(51) C12Q 1/68
(00) 14/19
03.04.2019

(11) EP2440762
(51) B60K 11/02
B60R 16/08
B60R 17/00
F02B 39/02
F02B 39/16
(00) 10/19
06.03.2019

(11) EP2575609
(51) A61B 5/00
A61B 5/0488
A61B 5/0492
(00) 31.12.2019
(00) 12/18
14.03.2018
(00) Restoration of rights
(00) Reproductive Research Technologies, LP

(11) EP2597382
(51) F24F 1/01
F24F 13/06
(00) 10/19
06.03.2019

(11) EP2659558
(51) B23D 59/00
B23D 61/18
E02F 5/08
E02F 5/10
E02F 5/12
E02F 9/24
F16L 1/032
G02B 6/50
G05D 3/10
H02G 1/06
H02G 9/06
(00) 09/19
27.02.2019

(11) EP2708548
(51) A21D 2/36
A23G 1/42
C07H 1/08
(00) 07.01.2020
(00) 49/17
06.12.2017
(00) Restoration of rights
(00) PureCircle Sdn Bhd

(11) EP2734050
(51) A23C 9/12
A23C 9/123
A23C 9/13
A23C 9/137
A23C 9/154
(00) 10/19
06.03.2019

(11) EP2794432
(51) B65G 1/04
(00) 10/19
06.03.2019

(11) EP2868318
(51) A61K 9/00
A61K 9/10
A61K 31/496
A61K 47/02
A61K 47/08
A61K 47/22
A61K 47/26
A61K 47/32
A61K 47/10
A61K 47/18
A61K 47/34
(00) 10/19
06.03.2019

(11) EP2916652
(51) A01N 25/04
A01N 25/22
C08L 5/04
(00) 10/19
06.03.2019

(11) EP2942518
(51) F03B 3/06
F03B 11/04
F03B 13/10
(00) 12/19
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(11) EP3013888
(51) C08G 65/40
C08K 3/04
C08K 7/06
C08K 7/14
C08L 71/00
C08L 71/12
C08L 101/04
(00) 10/19
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(11) EP3087410
(51) G01S 13/74
G01V 15/00
G07C 9/00
G01S 5/02
(00) 31.12.2019
(00) 45/18
31.10.2018
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(11) EP3090967
(51) B65G 9/00
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(00) 14/19
03.04.2019

(11) EP3150923
(51) F16K 1/12
F16K 11/048
F16K 41/10
F24D 3/10
F24D 19/10
(00) 10/19
06.03.2019

(11) EP3197585
(51) B01D 39/20
B01D 46/24
(00) 10/19
06.03.2019

(11) EP3267143
(51) F42B 33/00
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(00) 10/19
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(11) EP3280692
(51) C07C 29/80
C07C 31/20
(00) 10/19
06.03.2019

(11) EP3294580
(51) B60J 1/20
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F16C 33/04
(00) 09/19

27.02.2019

(11) EP3300721
(51) A61K 9/00
A61K 38/26
A61K 38/28
A61K 47/20
A61K 47/26
A61K 47/10
A61K 47/18
(00) 10/19
06.03.2019

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) 2014902
(51) C05F 7/00
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(00) 27/19
03.07.2019
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(11) EP1947935
(51) A01N 25/30
A01N 43/70
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(00) 2012/50
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(11) EP2027390
(51) B64C 23/06
F03D 1/06
F03D 7/02

(11) EP2232194
(51) G01B 7/14
G01D 5/48

(11) EP2328988
(51) B32B 7/12
B32B 27/08
B32B 27/30
B32B 27/32
B32B 27/36
C09J 7/02
G09F 3/04
(00) 22/18
23.05.2018

(11) EP2371191
(51) A01B 33/08
A01B 49/02
(00) 2015/10
04.03.2015

(11) EP2432454
(51) A61K 9/08
A61K 9/10
A61K 31/198
A61P 25/16
(00) 02/18
03.01.2018

(11) EP2448665
(51) B01J 19/18
B01J 19/20
C08F 2/01
(00) 03/19
16.01.2019

(11) EP2550451
(51) F03B 15/00
F03D 7/04
H02J 9/04

(11) EP2572475
(51) H04L 12/24
H04L 12/28
H04Q 11/00
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H04L 12/935
H04L 12/937
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23.10.2019
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C08L 101/00

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(51) B23K 9/025
B23K 9/028
B23K 9/10
B23K 9/23
B23K 9/235
H01F 13/00
(00) 09/18
21.02.2018

(11) EP3022133
(51) B65D 85/804
(00) 24/18
06.06.2018

(11) EP3028747
(51) A63B 5/11
A63B 21/055

(11) EP3071549
(51) C07C 303/06
C07C 309/00
C07C 407/00
C07C 409/44
(00) 35/18
22.08.2018

(11) EP3089134
(51) G08C 17/02
(00) 18/18
25.04.2018

(11) EP3164605
(51) B22F 5/00
B22F 5/04
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F04D 29/30
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28.08.2019
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H02S 40/36
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(11) EP3201500
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G05D 7/01

(11) EP3294995
(51) F01D 25/16
F02C 7/06
(00) 35/19
28.08.2019
(00) 07.01.2020
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MED

Overige mededelingen.
Contains data concerning other communications.

(11) 1035968
(00) 07.01.2020
(51) D06F 83/00
(00) Partial - Renunciation

(11) EP1603982
(51) C09D 11/02

(11) EP1619249
(51) A61K 31/7088
A61K 48/00
C12N 15/11

(11) EP1736622
(51) E05B 47/06

(11) EP1799052
(51) A23L 1/29
A23L 1/305

(11) EP2017237
(51) B32B 3/26
B32B 17/10
B32B 27/30
B60J 1/00
C03C 27/12
G02B 27/01

(11) EP2207434
(00) 31.12.2019
(51) A23L 1/176
A23P 1/12
A23P 1/14
(00) Established

(11) EP2359697
(00) 31.12.2019
(51) A23L 1/00
A23L 1/01
A23L 1/0522
A23L 1/0534
A23L 1/054
A23L 1/305
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A23L 1/325
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A23L 1/0534
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A23L 1/305
A23L 1/318
A23L 1/325
(00) Established

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A23P 1/14
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(11) EP2481294
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A23L 1/31
A23L 1/315
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A23L 1/31
A23L 1/315
(00) Established

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(51) A23F 5/18
A47J 31/06
A47J 31/36
B65D 85/804

(11) EP2548858
(51) B01J 23/30
B01J 23/64
C07C 29/00
C07C 29/132
C07C 29/136
C07C 31/20

(11) EP2606745
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(51) A23L 1/176
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(11) EP2709722
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A43B 3/00
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A61B 5/00
A61N 1/04
A61N 1/36

(11) EP2767564
(51) C09D 5/00

(11) EP2781321
(51) B26B 19/44

(11) EP2784232
(51) E04B 1/68
E06B 1/62

(11) EP2877448
(51) C07C 273/16

(11) EP3025646
(51) A61B 5/00
A61B 5/1455

VRV

Verval of nietigverklaring.
Contains data concerning lapse or annulment.

(11) 1015305
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(11) 2023285
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(11) 300507
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(00) SPC got Invalid due to parent patent lapse

(11) 350031
(00) 07.01.2020
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(11) 350043
(00) 04.01.2020
(00) SPC Expired

(11) EP1018519
(00) 04.01.2020
(00) Patent Expired

(11) EP1018627
(00) 05.01.2020
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(11) EP1020278
(00) 07.01.2020
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(11) EP1022293
(00) 07.01.2020
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(11) EP1024353
(00) 03.01.2020
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(11) EP1052096
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(11) EP3485121
(00) 04.09.2019
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VRB

Verbeteringen op eerdere publicaties.
Contains data concerning corrections.

CO

Ingeschreven overdrachten.
Contains data concerning registered assignments or change of owners.

(71) Iceotope Group Limited
(73) Iceotope Group Limited
(11) EP2962536
(00) 31.12.2019
(51) H05K 7/20
(00) Assignment

(71) NatureWorks LLC
(73) NatureWorks LLC
(11) EP2756023
(00) 02.01.2020
(51) C08G 63/08
C08G 63/78
C08G 63/82
C08L 101/16
(00) Assignment

(71) Vencorex France
Centre National de la Recherche Scientifique (CNRS)
Institut National Polytechnique de Toulouse
(73) Vencorex France
Centre National de la Recherche Scientifique (CNRS)
Institut National Polytechnique de Toulouse
(11) EP2271684
(00) 31.12.2019
(51) C07D 251/34
C08G 18/02
C08G 18/09
C08G 18/18
(00) Change of owner(s) name

(71) eLstar Dynamics Patents B.V.
(73) eLstar Dynamics Patents B.V.
(11) 2012803
(00) 24.12.2019
(51) G02F 1/1335
G02F 1/1362
G02F 1/167
(00) Assignment

(71) eLstar Dynamics Patents B.V.
(73) eLstar Dynamics Patents B.V.
(11) 2012802
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(00) Assignment

(71) Allergan Sales, LLC
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(71) eLstar Dynamics Patents B.V.
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(00) Assignment

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(71) eLstar Dynamics Patents B.V.
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(00) 24.12.2019
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(00) Assignment

(71) Maruho Co., Ltd.
(73) Maruho Co., Ltd.
(11) EP1986599
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(51) A61K 8/02
A61K 8/04
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(71) MorphoSys AG
(73) MorphoSys AG
(11) EP1181395
(00) 02.01.2020
(51) A61K 48/00
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(00) Merge

(71) ZAMBON S.p.A.
(73) ZAMBON S.p.A.
(11) EP1937229
(00) 03.01.2020
(51) A61K 9/72
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(00) Merge

(71) eLstar Dynamics Patents B.V.
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(11) EP2460051
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(00) Assignment

(71) Pylum Biosciences, Inc.
(73) Pylum Biosciences, Inc.
(11) EP2021358
(00) 03.01.2020
(51) C07K 14/21
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(71) Carus LLC
(73) Carus LLC
(11) EP2027282
(00) 28.11.2019
(51) B09C 1/10
C12N 1/20
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(00) Change of Legal Entity

(71) MorphoSys AG
(73) MorphoSys AG
(11) EP1411122
(00) 02.01.2020
(51) C12N 15/10
C12N 15/66
C12P 19/34
(00) Merge

(71) Xyphos Biosciences Inc.
(73) Pylum Biosciences, Inc.
(11) EP2021358
(00) 03.01.2020
(51) C07K 14/21
(00) Change of Legal Entity

(71) Allergan Sales, LLC
(73) Allergan Sales, LLC
(11) EP1225881
(00) 02.01.2020
(51) A61K 31/00
A61K 31/138
A61K 45/06
A61P 15/00
(00) Merge

(71) MorphoSys AG
(73) MorphoSys AG
(11) EP1314783
(00) 02.01.2020
(51) C12N 15/10
C12N 15/66
C12P 19/34
(00) Merge

(71) MorphoSys AG
(73) MorphoSys AG
(11) EP1557464
(00) 02.01.2020
(51) C12N 15/10
C12N 15/66
C12P 19/34
(00) Merge

(71) AvidBiotics Corp.
(73) Pylum Biosciences, Inc.
(11) EP2371842
(00) 03.01.2020
(51) C07K 14/21
(00) Change of owner(s) name

(71) Pylum Biosciences, Inc.
(73) Pylum Biosciences, Inc.
(11) EP2371842
(00) 03.01.2020
(51) C07K 14/21
(00) Assignment

(71) eLstar Dynamics Patents B.V.
(73) eLstar Dynamics Patents B.V.
(11) 2016789
(00) 24.12.2019
(51) G02F 1/167
(00) Assignment

(71) AvidBiotics Corp.
(73) Pylum Biosciences, Inc.
(11) EP2021358
(00) 03.01.2020
(51) C07K 14/21
(00) Change of owner(s) name

(71) Xyphos Biosciences Inc.

(73) Pylum Biosciences, Inc.
(11) EP2371842
(00) 03.01.2020
(51) C07K 14/21
(00) Change of Legal Entity

(71) MorphoSys AG
(73) MorphoSys AG
(11) EP2110435
(00) 02.01.2020
(51) C12N 15/10
(00) Merge

(71) Qualcomm Incorporated
(73) Qualcomm Incorporated
(11) EP2733873
(00) 07.01.2020
(51) H04B 7/26
H04J 11/00
H04L 5/00
H04W 52/24
H04W 52/32
(00) Assignment

(71) eLstar Dynamics Patents B.V.
(73) eLstar Dynamics Patents B.V.
(11) EP2812411
(00) 24.12.2019
(51) C07D 213/00
C09K 9/02
G02F 1/15
(00) Assignment

(71) Precitec GmbH & Co. KG
(73) Precitec GmbH & Co. KG
(11) EP1773534
(00) 07.01.2020
(51) B23K 26/02
(00) Assignment

(71) Qualcomm Incorporated
(73) Qualcomm Incorporated
(11) EP2515574
(00) 07.01.2020
(51) H04L 1/00
H04L 5/00
H04W 24/10
H04W 72/12
H04W 72/14
(00) Assignment

(71) Little Beings Holdings Pty Ltd
(73) Little Beings Holdings Pty Ltd
(11) EP2448438
(00) 07.01.2020
(51) A41B 13/06
A47G 9/08
(00) Assignment

(71) Qualcomm Incorporated
(73) Qualcomm Incorporated
(11) EP2625796
(00) 07.01.2020
(51) H04B 7/06
H04B 7/26
H04J 11/00
H04L 5/00
H04L 27/26
H04W 28/06
H04W 28/18
H04W 48/08
H04W 48/16
H04W 72/04
H04W 88/02
H04B 7/0413
(00) Assignment

(71) B+J Innovations B.V.
(73) B+J Innovations B.V.
(11) EP2851468
(00) 03.01.2020
(51) E01B 9/18
E01B 9/38
E01B 9/42
E01B 29/00
(00) Assignment

(71) Qualcomm Incorporated
(73) Qualcomm Incorporated
(11) EP2719101
(00) 07.01.2020
(51) H04B 7/26
H04J 11/00
H04L 1/00
H04L 5/00
H04W 24/00
H04W 74/00
(00) Assignment

(71) Qualcomm Incorporated
(73) Qualcomm Incorporated
(11) EP2747320
(00) 07.01.2020
(51) H04B 7/02
H04B 7/26
H04J 11/00
H04L 5/00
H04L 27/26
H04W 56/00
(00) Assignment

(71) Qualcomm Incorporated
(73) Qualcomm Incorporated
(11) EP2532189
(00) 07.01.2020
(51) H04W 24/02
H04W 24/10
(00) Assignment

(71) HFI Innovation Inc.
(73) HFI Innovation Inc.
(11) EP2494809
(00) 02.01.2020
(51) H04W 72/12
H04W 88/06
(00) Assignment

(71) Suzhou Rainbow Materials Co., Ltd.
(73) Suzhou Rainbow Materials Co., Ltd.
(11) EP2736988
(00) 07.01.2020
(51) C08F 290/04
C08L 33/06
C09J 4/00
C09J 4/02
C09J 4/06
C09J 9/00
C09J 109/00
C09J 113/00
C09J 133/04
G03F 7/027
G03F 7/038
(00) Assignment

(71) Suzhou Rainbow Materials Co., Ltd.
(73) Suzhou Rainbow Materials Co., Ltd.
(11) EP2418235
(00) 07.01.2020
(51) C08G 75/04
(00) Assignment

(71) Qualcomm Incorporated
(73) Qualcomm Incorporated
(11) EP3291468
(00) 07.01.2020
(51) H04B 7/26
H04J 11/00
H04L 1/00
H04L 5/00
H04W 24/00
H04W 74/00
(00) Assignment

(71) HJ Forever Patents B.V.
(73) eLstar Dynamics Patents B.V.
(11) 2015119
(00) 27.12.2019
(51) G02F 1/167
(00) Change of owner(s) name

(71) Worley Nederland B.V.
(73) Worley Nederland B.V.
(11) 2017533
(00) 03.01.2020
(51) B01J 35/00
B01D 53/86
B01J 21/08
B01J 23/745
B01J 35/10
(00) Change of owner(s) name

(71) Aprea Therapeutics AB
(73) Aprea Therapeutics AB
(11) EP2525796
(00) 04.12.2019
(51) A61K 9/08
A61K 31/439
A61K 45/06
A61P 9/00
A61P 35/00
(00) Change of owner(s) name

(71) eLstar Dynamics Patents B.V.
(73) eLstar Dynamics Patents B.V.
(11) 2015119
(00) 27.12.2019
(51) G02F 1/167
(00) Assignment

(71) eLstar Dynamics Patents B.V.
(73) eLstar Dynamics Patents B.V.
(11) 2011297
(00) 27.12.2019
(51) E06B 9/24
G02F 1/167
G06K 19/10
(00) Assignment

(71) Worley Nederland B.V.
(73) Worley Nederland B.V.
(11) 2017178
(00) 03.01.2020
(51) B01D 53/52
B01D 53/86
B01J 8/02
C01B 17/04
(00) Change of owner(s) name

(71) Aditya Birla Science and Technology Company Private Limited
(73) Aditya Birla Science and Technology Company Private Limited
(11) EP2831182

(00) 03.01.2020
(51) C09C 1/48
C09C 1/56
(00) Change of Legal Entity

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(11) EP3327979
(00) 08.01.2020
(51) H04L 5/00
(00) Change of owner(s) name

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(11) EP3336678
(00) 08.01.2020
(51) G06F 3/0484
G06F 3/0488
(00) Change of owner(s) name

(71) HJ Forever Patents B.V.
(73) eLstar Dynamics Patents B.V.
(11) 2011297
(00) 27.12.2019
(51) E06B 9/24
G02F 1/167
G06K 19/10
(00) Change of owner(s) name

(71) IDEAL INDUSTRIES LIGHTING LLC
(73) IDEAL INDUSTRIES LIGHTING LLC
(11) EP2935988
(00) 06.01.2020
(51) F21V 23/04
H05B 37/02
(00) Assignment

(71) IDEAL INDUSTRIES LIGHTING LLC
(73) IDEAL INDUSTRIES LIGHTING LLC
(11) EP2935991
(00) 06.01.2020
(51) F21V 23/02
F21V 23/04
H05B 37/02
F21V 23/00
(00) Assignment

(71) IDEAL INDUSTRIES LIGHTING LLC
(73) IDEAL INDUSTRIES LIGHTING LLC
(11) EP2935990
(00) 06.01.2020
(51) F21S 8/02
F21V 7/00
F21V 13/04
F21V 23/04
F21W 131/40
H05B 33/08
H05B 37/02
F21V 23/00
F21Y 101/00
F21Y 103/10
F21Y 113/13
F21Y 115/10
(00) Assignment

(71) Boehringer Ingelheim RCV GmbH & Co KG
VALIDOGEN GmbH
Lonza Ltd
(73) Boehringer Ingelheim RCV GmbH & Co KG
VALIDOGEN GmbH
Lonza Ltd
(11) EP3132039
(00) 06.01.2020
(51) C12N 15/81
(00) Assignment

(71) IDEAL INDUSTRIES LIGHTING LLC
(73) IDEAL INDUSTRIES LIGHTING LLC
(11) EP3092874
(00) 06.01.2020
(51) H05B 33/08
H05B 37/02
(00) Assignment

(71) Société des Produits Nestlé S.A.
(73) Société des Produits Nestlé S.A.
(11) EP3340841
(00) 07.01.2020
(51) A47J 31/40
(00) Merge

(71) Fundación Rioja Salud
(73) Fundación Rioja Salud
(11) EP3067093
(00) 06.01.2020
(51) A61K 31/192
A61K 31/4245
A61K 31/433
A61K 31/4468
A61K 31/46
A61K 38/16
A61P 19/08
(00) Assignment

(71) IDEAL INDUSTRIES LIGHTING LLC
(73) IDEAL INDUSTRIES LIGHTING LLC
(11) EP2935987
(00) 06.01.2020
(51) F21S 8/02
F21V 7/00
F21V 23/04
H05B 33/08
H05B 37/02
F21V 23/00
F21Y 103/10
F21Y 115/10
(00) Assignment

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(11) EP3324567
(00) 06.01.2020
(51) H04L 5/00
(00) Change of owner(s) name

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(11) EP3324568
(00) 06.01.2020
(51) H04L 5/00
(00) Change of owner(s) name

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(11) EP3324569
(00) 06.01.2020
(51) H04L 5/00
(00) Change of owner(s) name

TVH

Topografieën van halfgeleiderproducten.
Contains data concerning Semiconductors.