



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

Abonnementsprijzen per (kalender)jaar:

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

Bezoekadres: **Octrooicentrum Nederland**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadres

Postbus 10366

2501 HJ Den Haag

Telefoon: 088-0426656

Bankrekeningnummer:

Voor taksen en depotrekeningen:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

Introduction

Patent Bulletin

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

Official Journal

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

Subscription rates per calendar year:

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

Visiting address: **Netherlands Patent Office**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadress

Post Office Box: 10366

2501 HJ Den Haag

Telephone: +31(0)88 0426656

Account:

Fees, deposit accounts:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

Inhoudsopgave	Blz. Content	Page
Rubriek NP1 Bevat gegevens betreffende octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995.	7 Heading NP1 Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.	7
Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	11 Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	11
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	16 Heading NP3 Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	16
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	17 Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	17
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	18 Heading EP2 Contains data concerning European patents granted for The Netherlands.	18
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.	187Heading 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.	187
Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	226Heading EP4 Contains data concerning European patents granted in amended form for the Netherlands.	226
Rubriek EP5 Bevat gegevens betreffende voor Nederland verleende gewijzigde	227Heading EP5 Contains data concerning European patents granted in amended form for	227

Europese octrooien waarvoor een gewijzigde vertaling is ingediend.

The Netherlands in which an amended translation was filed.

Rubriek SPC

Bevat gegevens betreffende ingeschreven en verleende certificaten

229Heading SPC

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

229

Rubriek VB1

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

230Heading VB1

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

230

Rubriek VB2

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

231Heading VB2

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.

231

Rubriek MED

Bevat gegevens betreffende overige mededelingen.

232Heading MED

Contains data concerning other communications.

232

Rubriek VRV

Bevat gegevens betreffende verval of nietigverklaring.

234Heading VRV

Contains data concerning lapse or annulment.

234

Rubriek VRB

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

256Heading VRB

Contains data concerning corrections on earlier publications.

256

Rubriek CO

Bevat gegevens betreffende wijzigingen in het octrooiregister.

257Heading CO

Contains data concerning changes in the Netherland patent register.

257

Rubriek TVH

Bevat gegevens betreffende topografieën van halfgeleiderproducten.

265Heading TVH

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

265

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) Voorranggegevens	(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 indentifying the national patent office allotting the priority application number or the organization allotting 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 Octrooi classificatie	(51) International Patent Classification
(54) Korte aanduiding	(54) Title of the invention
(62) Nummer moeder aanvraag	(62) Number and, if possible, filing 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 known 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) Application 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 authorization to place the product on the market as a medicinal product within a regional economic community
(94) Expiratiedatum voor een topografie	(94) Calculated date of expiry of the topography
(95) Certificaten: naam van het product	(95) Name of the product protected by the basic patent and in respect of which the SPC has been applied 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 1/00	(22) 06.08.2020	(41) 08.04.2022
(22) 02.07.2021	(54) A DEVICE FOR PACKING	(51) A61B 5/00
(54) METHOD FOR IMPROVING SEED	MUSHROOMS	A61B 5/0205
VIGOR OF FORAGE GRASS	(71) Marcus Gerardus Maria van Doremaele	A61B 5/256
(71) INSTITUTE OF GRASSLAND	Jacobus Alexander Jozef Lemmen	A61B 5/28
RESEARCH OF CAAS	(74) ir. M. van der Velden	A61B 5/296
(74) dr. T. Wittop Koning PhD	(72) Jacobus Alexander Jozef Lemmen	(22) 04.08.2020
(72) Yanchun Gong	Marcus Gerardus Maria van Doremaele	(54) System for monitoring one or more vital
YU, Mr. Linqing	(51) A23D 9/02	signs of a human body, in particular a
Yuanheng Li	A23J 3/14	baby, as well as a method of pairing
Zhuo Shang	(22) 07.08.2020	system elements.
Mengnan Yao	(54) Oleogel	(71) Bambi Belt Holding B.V.
Jingyi Yu	(71) Bflike B.V.	(74) ir. H.A. Witmans c.s.
Fang Tang	(74) dr. A. Ellens c.s.	(72) Sidarto Bambang Oetomo
Gang Zhong	(72) Oscar Jan Hoogland	Claudia Caparelli
Jihong Xie	Wouter Matthijs Franken	Chandan Manchikanti
(41) 08.04.2022	Michel Camilleri	(41) 08.04.2022
(31) 202110678464.8	(41) 13.04.2022	(51) A61B 5/00
(32) 18.06.2021	(51) A23K 50/75	A61B 5/0205
(33) China	(22) 15.12.2020	A61B 5/256
(51) A01G 9/02	(54) Antimicrobial-Free Broiler Feed	A61B 5/28
A47G 7/06	(71) Guangdong Academy of Agricultural	A61B 5/296
A47G 7/08	Sciences Institute of Animal Science	B29C 45/00
(22) 05.08.2020	(74) dr. T. Wittop Koning PhD	(22) 04.08.2020
(54) Sierpot of -vaas voorzien van een licht	(72) Jinling Ye	(54) Method of manufacturing a flexible
emitterende bovenrand	Shouqun Jiang	sensor belt, as well as a mould part, a
(71) Edeltrend B.V.	Yibing Wang	casting arrangement and a flexible belt.
(72) Rik Wout Edelman	Xiajing Lin	(71) Bambi Belt Holding B.V.
(51) A01G 9/029	Zhongyong Gou	(74) ir. H.A. Witmans c.s.
A01G 13/02	Chang Zhang	(72) Chandan Manchikanti
A01C 11/02	(31) 202010839263.7	Claudia Caparelli
(22) 04.08.2020	(32) 19.08.2020	Onorio Iervolino
(54) PLANTABLE DEVICE FOR PLANTING A	(33) China	Sidarto Bambang Oetomo
PLANT SEED	(51) A23L 33/00	(41) 08.04.2022
(71) LAND LIFE COMPANY B.V.	A61K 8/00	(51) A61B 5/01
(74) ir. M. Cramwinckel	A61K 9/50	G06Q 50/18
(72) Harrie Maurice Lövenstein	A61K 31/375	(22) 11.08.2020
Arnout Jan Asjes	B01J 13/00	(54) A system for enabling a digital contract
Jurriaan Hendrik Ruys	(22) 03.08.2020	(71) ClevrBand B.V.
(41) 08.04.2022	(54) Method of preserving a reactive active	(74) mr. ir. J. van Breda c.s.
(51) A01G 18/00	compound, capsule and formulation.	(72) Jacobus Hendricus Maria Kwakman
A01G 18/20	(71) IamFluidics Holding B.V.	Edwin Ruben Edelenbos
A01G 18/62	(74) drs. A.A. Jilderda	Peter Van Overbeeke
(22) 27.08.2020	(72) Sara Tahan Latibari	Cornelis Petrus Pronk
(54) Device and method for growing	Tom Kamperman	Eglet Nyabvure
mushrooms	(41) 08.04.2022	Inge Anette Boonstra
(71) Marcus Gerardus Maria van Doremaele	(51) A61B 1/00	Jean-Paul van Kouwen
Jacobus Alexander Jozef Lemmen	A61B 1/04	(41) 13.04.2022
(74) ir. M. van der Velden	A61B 1/06	(51) A61B 17/00
(72) Marcus Gerardus Maria van Doremaele	H04N 5/225	A61B 17/072
Jacobus Alexander Jozef Lemmen	(22) 07.08.2020	A61B 34/20
(31) 2026213	(54) Device for coupling coherent light into an	A61B 90/00
(32) 04.08.2020	endoscopic system	A61B 90/57
(33) Netherlands	(71) LIMIS Development B.V.	(22) 04.08.2020
(51) A01G 18/70	(74) ir. A.R. Aalbers	(54) Surgical forceps and stapler
B65B 25/04	(72) Joris Sebastiaan de Graaf	(71) Stichting Het Nederlands Kanker Instituut
	Joost Emiel Marcel Calon	- Antoni van Leeuwenhoek Ziekenhuis

(74) dr. R.C. van Duijvenbode c.s.	(51) B01L 3/00	B32B 15/09
(72) Harald Christian Groen	C12M 1/12	B32B 27/08
Theodoor Jacques Marie Ruers	C12M 3/06	B32B 27/12
Wouter Johannes Heerink	G01N 33/483	B32B 27/30
(51) A61L 2/14	(22) 07.08.2020	B32B 27/32
F25D 17/06	(54) Organ on chip	B32B 27/36
H01R 4/00	(71) Universiteit Twente	(22) 10.08.2020
H05H 1/24	(74) dr. A. Ellens c.s.	(54) Textile-coated metal substrate
(22) 11.08.2020	(72) Elsbeth Gerjanne Bernadette Maria Bossink	(71) Lamcoatings B.V.
(54) Plasma source for generating a disinfecting and/or sterilizing gas mixture	Mathieu Odijk	(74) ir. J.C. Volmer c.s.
(71) Log10 B.V.	Loes Irene Segerink Segerink	(72) Antonio D'Ortona
(74) ir. H.A. Witmans c.s.	(41) 08.04.2022	Alessandro Bralia
(72) Theo Alex Eduard van der Leij	(51) B25J 9/06	(41) 13.04.2022
Mirte Peeters	(22) 01.05.2021	(51) B32B 5/28
Franciscus Maria Verhoeven	(54) PNEUMATIC SOFT ACTUATOR AS WELL AS COMBINED STRUCTURE AND SOFT ROBOT WITH SAME	B32B 19/02
Thijs de Jong	(71) Jiangxi University of Science and Technology	B32B 19/04
(41) 13.04.2022	(74) dr. T. Wittop Koning PhD	E01B 19/00
(51) A61M 35/00	(72) Chengkun Xiao	E01C 1/00
(22) 05.08.2020	Yuan Zhong	E01C 3/06
(54) Disinfection station system to be used to disinfect persons by spraying a disinfectant fluid	Hu Li	E02D 31/08
(71) Neo-Dyne B.V.	Long Liang	E04B 1/98
Neo-Dyne	Junfeng Hu	E04H 9/02
(72) Radu Iliuta	Xian Li	G10K 11/168
(41) 08.04.2022	Tao Wen	(22) 07.08.2020
(51) A62B 3/00	(41) 08.04.2022	(54) Underground vibration shield element
B66F 3/10	(51) B28B 7/00	(71) Civil City Solutions B.V.
B66F 3/44	B28B 7/10	(74) ir. J.C. Volmer c.s.
(22) 05.08.2020	B28B 13/06	(72) Raymond Ernst
(54) Telescopisch schachtsamenstel en reddingsgereedschap	(22) 05.08.2020	Markus Pieter Kornelis van Rijn
(71) JPM Beheer B.V.	(54) Mould container part and mould container press comprising such a mould container part	(41) 08.04.2022
(74) drs. A.A. Jilderda	(71) Beheermaatschappij De Boer Nijmegen B.V.	(51) B60P 3/06
(72) Fred Baas	(74) dr. ir. G.J.C. Verdijck c.s.	B65G 69/30
Jan Pieter Maarschalk	(72) Martijn Maria van den Boogaard	B66D 1/60
(41) 08.04.2022	(41) 08.04.2022	(22) 27.07.2020
(51) A63B 33/00	(51) B29C 43/22	(54) Oprijplaten Hijshulp Methode
B63C 11/12	B29D 7/01	(71) Mr Hendrikus Cornelis Gerardus Beentjes
G02C 7/02	C08J 3/18	H.B. Hijshulp
G02C 7/08	C08J 5/18	(72) Mr Hendrikus Petrus Beentjes
G02C 9/00	C08J 11/06	(41) 08.04.2022
(22) 29.07.2020	(22) 05.08.2020	(51) B62K 25/28
(54) Removable reading glasses for a diving mask or goggles	(54) CIRCULAR SHEET AND METHOD FOR MANUFACTURING A CIRCULAR SHEET	(22) 24.12.2020
(71) LabTie	(71) Probo Sign B.V.	(54) CONSTRAINED MULTIPLE INSTANTANEOUS VELOCITY CENTER LINKAGE ASSEMBLY FOR VEHICLE SUSPENSION
(74) drs. P.A. van Essen c.s.	(74) dr. ir. G.J.C. Verdijck c.s.	(62) 2027223 (24.12.2020)
(72) Bastiaan Millenaar	(72) Tjalling Werkman	(71) YETI CYCLING, LLC
Jose Paul Groeneveld	(51) B29C 65/08	(74) ir. J.C. Volmer c.s.
(41) 13.04.2022	B32B 37/00	(72) Peter Zawistowski
(51) B01J 21/18	B32B 37/20	(31) 62/953,384
B01J 23/32	(22) 03.08.2020	17/116,843
(22) 22.04.2021	(54) Method and system for producing a multi-layered packaging material	(32) 24.12.2019
(54) NITROGEN-SULFUR CO-DOPED GRAPHENE COMPOSITE LOADED WITH TERNARY HIGH-EFFICIENCY DENITRIFICATION ANTI-SULFUR CATALYST AND ITS PREPARATION METHOD	(71) SCHAAFSMA PAPER GROUP B.V.	09.12.2020
(71) FU ZHOU UNIVERSITY	(74) ir. H.Th. van den Heuvel c.s.	(33) United States of America
(74) M. Schmid	(72) Klaas Thijs Jacob Schaafsma	United States of America
(72) Yuying Zheng	(41) 08.04.2022	(51) B63B 27/16
Weijie Zheng	(51) B32B 5/02	B63B 27/30
(31) 202010831948.7	B32B 7/12	(22) 03.08.2020
(32) 18.08.2020	B32B 15/08	(54) A telescopic gangway, a motion compensated gangway and a vessel
(33) China	B32B 15/082	(71) Ampelmann Holding B.V.
		(74) ir. H.A. Witmans c.s.
		(72) Martijn Paulus Maria Krutzen
		(41) 08.04.2022
		(51) B66C 23/64
		(22) 06.08.2020

(54) Voorzet-hijsconstructie	E01H 1/05	(22) 30.07.2020
(71) Petronella Gerarda Maria Stoof-Janssen	(22) 15.07.2020	(54) Thermal-type flow sensor with a
(72) Petronella Gerarda Maria Stoof-Janssen	(54) CLEANING MACHINE FOR A ROAD OR	thermally conductive frame element in
(41) 08.04.2022	PAVEMENT OR GUTTER COMPRISING	the form of a printed circuit board (PCB)
(51) B67D 1/12	A DISINFECTANT SYSTEM	(71) Berkin B.V.
B67D 1/14	(71) RAVO B.V.	(74) ir. A. Blokland c.s.
(22) 10.08.2020	(74) drs. P.A. van Essen c.s.	(72) Hefney Job De Haan
(54) Dispensing line with in-line regulator	(72) Thijs Joop Kea	René Henri Wouter van der Wal
valve	Rob Prins	Coen Adrian Robert Tom Bruggeman
(71) Heineken Supply Chain B.V.	(51) E03D 7/00	Erik Pieter van Gaasbeek
(74) ir. H.A. Witmans c.s.	(22) 07.08.2020	Tristan Doornebosch
(72) Michiel Adrianus Henricus van der Aa	(54) Mobile Sanitary System with Water	Gert Jan Snijders
Arie Maarten Paauwe	Purification and ORS Administration	(41) 08.04.2022
(41) 13.04.2022	Functionalities	(51) G01N 33/24
(51) C02F 1/46	(71) Stichting J&J Consortium	(22) 19.06.2021
C02F 1/78	(72) Joris Krijger	(54) METHOD FOR QUANTITATIVELY
(22) 04.08.2020	Adriaan Timmers	ANALYZING MECHANISM OF
(54) Werkwijze voor het reinigen van onder-	Prof. Ing. Jan Rolloos	COUPLING ULTRA-DEEP GYPSUM
meer dierlijke drijfmest door het onder-	Bc Joep Jan Bernhard Derksen	SALT ROCK WITH DOLOMITE
werpen ervan aan elektrische ontlading,	Ruben Timmers	(71) Chengdu University of Technology
in het bijzonder vonk- of vlamboogontla-	Damir Brdjanovic	(74) dr. T. Wittop Koning PhD
ding, bij voorkeur in combinatie met	Harry Futselaar	(72) Yan Wei
ozonisatie	(41) 08.04.2022	Wenli Xu
(71) Willibrordus Augustinus van der Weide	(51) F16J 15/06	Fei Huo
Ing. Yurii Rakotsy	F21V 23/04	Luping Li
(72) Ing. Yurii Rakotsy	F21V 23/06	Huaguo Wen
Willibrordus Augustinus van der Weide	F21V 31/00	Tao Luo
(41) 12.04.2022	H01R 13/52	(31) 202010832324.7
(51) C02F 1/46	H01R 33/76	(32) 18.08.2020
F23G 5/02	(22) 03.08.2020	(33) China
(22) 04.08.2020	(54) RECEPTACLE ASSEMBLY WITH	(51) G01S 19/07
(54) Werkwijze en systeem voor het	GASKET	(22) 04.08.2020
verbranden van een brandbaar fluïdum	(71) SCHREDER S.A.	(54) TIMESCALE DISSEMINATION USING
dat tezamen wordt verbrand met urine,	(74) dr. ir. G.J.C. Verdijk c.s.	GLOBAL NAVIGATION SATELLITE
wei, vloeibare mest en/of afvalwater	(72) Marcel Thijs	SYSTEMS AND APPLICATIONS
(62) 1043743 (04.08.2020)	Laurent Etorre	THEREOF
(71) Ing. Yurii Rakotsy	(41) 08.04.2022	(71) FNV IP B.V.
Willibrordus Augustinus van der Weide	(51) F24D 3/18	(74) dr. R.C. van Duijvenbode c.s.
(74) ir. A. Blokland c.s.	F24D 12/02	(72) Ole Petter Rønningen
(72) Ing. Yurii Rakotsy	F24D 19/06	Tor Egil Melgård
Willibrordus Augustinus van der Weide	F24H 4/02	(51) G06F 1/16
(51) C07C 11/02	(22) 10.08.2020	(22) 07.08.2020
C10G 69/04	(54) Een modulair warmtepompsysteem voor	(54) An Anti-quantum Computing Wearable
(22) 10.08.2021	het ontvangen en verwarmen van een	Safety Device
(54) A METHOD FOR MAXIMIZING	waterstroom, voor een woningcomplex	(71) Shenzhen Polytechnic
PRODUCTION OF ETHYLENE OR	en een warmtepompmodule	(74) A. Rivière
PROPYLENE	(71) Servex Koel- en Vriestechniek Van den	(72) Jinfeng Yang
(71) Zhejiang Comy Environment Technology	Kerkhof B.V.	Haibo Yi
Co., Ltd	(74) mr. ir. J. van Breda c.s.	Xin Huang
(74) drs. C.M.A. Quintelier	(72) Henricus Mathias Gerardus Maria van	(41) 08.04.2022
(72) Zongjun Ye	den Kerkhof	(51) G06F 13/42
Benen Xin	William Louisse van den Kerkhof	G06F 13/362
(31) 202010809365.4	Marcel Emmanuel Helena van den	G06F 13/24
(32) 12.08.2020	Kerkhof	(22) 30.07.2021
(33) China	(41) 13.04.2022	(54) I3C PENDING READ WITH
(51) C12N 15/82	(51) F24F 7/007	RETRANSMISSION
(22) 04.11.2021	F24F 8/10	(71) Intel Corporation
(54) SOYBEAN SEED-SPECIFIC	F24F 8/22	(74) dr. A. Krebs
PROMOTER GMP34P AND USE	(22) 10.08.2020	(72) Matthew A. Schnoor
THEREOF	(54) Air treatment system	Amit Kumar Srivastava
(71) QIQIHAR UNIVERSITY	(71) Quake B.V.	Janusz Jurski
(74) ir. M.B. Plaggenborg	(74) ir. A. Blokland c.s.	Myron Loewen
(72) Tao Dong	(72) Adrianus van der Aa	Enrico David Carrieri
Yan Zhao	(41) 13.04.2022	(31) 63/067,578
Lishu Cheng	(51) G01F 1/684	17/128,384
(51) E01H 1/04	G01F 5/00	(32) 19.08.2020
E01H 1/08	G01F 15/18	21.12.2020
		(33) United States of America

United States of America	Karthik Vaidyanathan
(51) G06F 21/64	(31) US 63/066,799
G06Q 50/28	US 17/133,547
(22) 07.08.2020	(32) 17.08.2020
(54) An Anti-quantum Computing Logistics Blockchain Security System	23.12.2020
(71) Shenzhen Polytechnic	(33) United States of America
(74) A. Rivière	United States of America
(72) Jinfeng Yang	(51) G06T 15/06
Xin Huang	G06T 1/60
Haibo Yi	G06F 9/50
(41) 08.04.2022	(22) 15.07.2021
(51) G06K 7/00	(54) APPARATUS AND METHOD FOR
G06Q 10/08	EFFICIENT GRAPHICS PROCESSING
H04B 5/00	INCLUDING RAY TRACING
(22) 07.08.2020	(71) Intel Corporation
(54) Inventory tracking	(74) dr. A. Krebs
(71) Nedap N.V.	(72) Joshua Barczak
(74) ir. H.A. Witmans c.s.	Won-Jong Lee
(72) Paul Jasper Compaijen	Sven Woop
Danny Jacobus Theodorus Haak	Adam Lake
(41) 08.04.2022	Abhishek R. Appu
(51) G06K 7/00	Holger Gruen
H04B 5/00	Sreenivas Kothandaraman
H04B 7/06	Michael J. Doyle
(22) 07.08.2020	Gabor Liktó
(54) Tag interrogation system	Prasoonkumar Surti
(71) Nedap N.V.	Karthik Vaidyanathan
(74) ir. H.A. Witmans c.s.	Carsten Benthin
(72) Paul Jasper Compaijen	Bret G. Alfieri
Chiron Jacques van der Burgt	Stephen Junkins
Reinbrand Gerhard Jaakob Frans	(31) US 17/133,573
Ottokar Johanan van Lakwijk	US 63/066,799
(41) 13.04.2022	(32) 23.12.2020
(51) G06Q 30/02	17.08.2020
(22) 03.08.2020	(33) United States of America
(54) A method of registering, by a server, a customer for a loyalty program, using a payment means, such as a payment card, of said customer, as well as a related server.	United States of America
(71) Contactless technologies B.V.	(51) H02G 1/08
(74) ir. A. Blokland c.s.	(22) 06.08.2020
(72) Martinus Petrus Johannes Maria Poels	(54) Coupling device and method for pulling an electrical wire through a conduit
(41) 08.04.2022	(71) Mes Bros. B.V.
(51) G06T 15/06	(74) ir. J.C. Volmer c.s.
G06T 1/20	(72) Mark Mes
G06T 1/60	Jeroen Mes
(22) 15.07.2021	(41) 08.04.2022
(54) APPARATUS AND METHOD FOR EFFICIENT GRAPHICS PROCESSING INCLUDING RAY TRACING	(51) H02S 20/00
(71) Intel Corporation	(22) 06.08.2020
(74) dr. A. Krebs	(54) A FLOATING SOLAR ARRAY
(72) Prasoonkumar Surti	(71) OVAL ECONOMY B.V.
Gabor Liktó	(74) ir. M. Cramwinckel
Sven Woop	(72) Edmund David Aufenast
Abhishek R. Appu	Eduard Willem Zanen
Won-Jong Lee	Nicolaas Johannes Wilhelmina Hendrikus
Adam Lake	Schermer
Carsten Benthin	Jayna Jogia
Bret G. Alfieri	(41) 08.04.2022
Joshua Barczak	(51) H05B 47/19
Holger Gruen	(22) 04.08.2020
Sreenivas Kothandaraman	(54) TOUCHLESS COMMAND METHOD FOR A LIGHTING SYSTEM
Michael J. Doyle	(71) SCHREDER S.A.
Stephen Junkins	(74) dr. ir. G.J.C. Verdijk c.s.
	(72) François Perchais
	Laurent Secretin
	(41) 08.04.2022

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 1/00	(31) 202010328570.9	(11) 2026240
(11) 2028621	(32) 23.04.2020	(47) 08.04.2022
(47) 08.04.2022	(33) China	(22) 07.08.2020
(22) 02.07.2021	(51) A01G 18/00	(54) Device for coupling coherent light into an
(54) METHOD FOR IMPROVING SEED	A01G 18/20	endoscopic system
VIGOR OF FORAGE GRASS	A01G 18/62	(73) LIMIS Development B.V.
(73) INSTITUTE OF GRASSLAND	(11) 2026348	(72) Joris Sebastiaan de Graaf
RESEARCH OF CAAS	(47) 08.04.2022	Joost Emiel Marcel Calon
(72) Yanchun Gong	(22) 27.08.2020	(74) ir. A.R. Aalbers
YU, Mr. Linqing	(54) Device and method for growing	(51) A61B 5/00
Yuanheng Li	mushrooms	A61B 5/0205
Zhuo Shang	(73) Marcus Gerardus Maria van Doremaele	A61B 5/256
Mengnan Yao	Jacobus Alexander Jozef Lemmen	A61B 5/28
Jingyi Yu	(72) Marcus Gerardus Maria van Doremaele	A61B 5/296
Fang Tang	Jacobus Alexander Jozef Lemmen	(11) 2026207
Gang Zhong	(74) ir. M. van der Velden	(47) 08.04.2022
Jihong Xie	(31) 2026213	(22) 04.08.2020
(74) dr. T. Wittop Koning PhD	(32) 04.08.2020	(54) System for monitoring one or more vital
(31) 202110678464.8	(33) Netherlands	signs of a human body, in particular a
(32) 18.06.2021	(51) A01G 18/70	baby, as well as a method of pairing
(33) China	B65B 25/04	system elements.
(51) A01G 9/02	(11) 2026229	(73) Bambi Belt Holding B.V.
A47G 7/06	(47) 08.04.2022	(72) Sidarto Bambang Oetomo
A47G 7/08	(22) 06.08.2020	Claudia Caparelli
(11) 1043746	(54) A DEVICE FOR PACKING	Chandan Manchikanti
(47) 08.04.2022	MUSHROOMS	(74) ir. H.A. Witmans c.s.
(22) 05.08.2020	(73) Marcus Gerardus Maria van Doremaele	(51) A61B 5/00
(54) Sierpot of -vaas voorzien van een licht	Jacobus Alexander Jozef Lemmen	A61B 5/0205
emitterende bovenrand	(72) Jacobus Alexander Jozef Lemmen	A61B 5/256
(73) Edeltrend B.V.	Marcus Gerardus Maria van Doremaele	A61B 5/28
(72) Rik Wout Edelman	(74) ir. M. van der Velden	A61B 5/296
(51) A01G 9/029	(51) A23D 9/02	B29C 45/00
A01G 13/02	A23J 3/14	(11) 2026206
A01C 11/02	(11) 2026242	(47) 08.04.2022
(11) 2026212	(47) 13.04.2022	(22) 04.08.2020
(47) 08.04.2022	(22) 07.08.2020	(54) Method of manufacturing a flexible
(22) 04.08.2020	(54) Oleogel	sensor belt, as well as a mould part, a
(54) PLANTABLE DEVICE FOR PLANTING A	(73) Bflike B.V.	casting arrangement and a flexible belt.
PLANT SEED	(72) Oscar Jan Hoogland	(73) Bambi Belt Holding B.V.
(73) LAND LIFE COMPANY B.V.	Wouter Matthijs Franken	(72) Chandan Manchikanti
(72) Harrie Maurice Lövenstein	Michel Camilleri	Claudia Caparelli
Arnout Jan Asjes	(74) dr. A. Ellens c.s.	Onorio Iervolino
Jurriaan Hendrik Ruys	(51) A23L 33/00	Sidarto Bambang Oetomo
(74) ir. M. Cramwinckel	A61K 8/00	(74) ir. H.A. Witmans c.s.
(51) A01G 9/14	A61K 9/50	(51) A61B 5/01
C08J 5/18	A61K 31/375	G06Q 50/18
C08K 3/04	B01J 13/00	(11) 2026248
C08K 3/36	(11) 2026204	(47) 13.04.2022
C08K 9/04	(47) 08.04.2022	(22) 11.08.2020
(11) 2028036	(22) 03.08.2020	(54) A system for enabling a digital contract
(47) 08.04.2022	(54) Method of preserving a reactive active	(73) ClevrBand B.V.
(22) 22.04.2021	compound, capsule and formulation.	(72) Jacobus Hendricus Maria Kwakman
(54) ANTI-UV ANTI-FOG POLYETHYLENE	(73) IamFluidics Holding B.V.	Edwin Ruben Edelenbos
TRELLIS FILM AND ITS PREPARATION	(72) Sara Tahan Latibari	Peter Van Overbeeke
METHOD	Tom Kamperman	Cornelis Petrus Pronk
(73) FU ZHOU UNIVERSITY	(74) drs. A.A. Jilderda	Eglet Nyabvure
(72) Yuying Zheng	(51) A61B 1/00	Inge Anette Boonstra
Xi Wang	A61B 1/04	Jean-Paul van Kouwen
(74) M. Schmid	A61B 1/06	(74) mr. ir. J. van Breda c.s.
	H04N 5/225	(51) A61B 17/00

A61B 17/072	C12M 3/06	(22) 05.08.2020
A61B 34/20	G01N 33/483	(54) CIRCULAR SHEET AND METHOD FOR MANUFACTURING A CIRCULAR SHEET
A61B 90/00	(11) 2026235	(73) Probo Sign B.V.
A61B 90/57	(47) 08.04.2022	(72) Tjalling Werkman
(11) 2026208	(22) 07.08.2020	(74) dr. ir. G.J.C. Verdijck c.s.
(47) 08.04.2022	(54) Organ on chip	(51) B29C 65/08
(22) 04.08.2020	(73) Universiteit Twente	B32B 37/00
(54) Surgical forceps and stapler	(72) Elsbeth Gerjanne Bernadette Maria Bossink	B32B 37/20
(73) Stichting Het Nederlands Kanker Instituut - Antoni van Leeuwenhoek Ziekenhuis	Mathieu Odijk	(11) 2026202
(72) Harald Christian Groen	Loes Irene Segerink Segerink	(47) 08.04.2022
Theodoor Jacques Marie Ruers	(74) dr. A. Ellens c.s.	(22) 03.08.2020
Wouter Johannes Heerink	(51) B03D 1/14	(54) Method and system for producing a multi-layered packaging material
(74) dr. R.C. van Duijvenbode c.s.	(11) 2025799	(73) SCHAAFSMA PAPER GROUP B.V.
(51) A61L 2/14	(47) 06.04.2022	(72) Klaas Thijs Jacob Schaafsma
F25D 17/06	(22) 10.06.2020	(74) ir. H.Th. van den Heuvel c.s.
H01R 4/00	(54) DOUBLE-LINKED-WHEEL SPRAY STIRRING MECHANISM AND SPRAY ATOMIZING FLOATATION DEVICE WITH SAME	(51) B32B 5/02
H05H 1/24	(73) Anhui University of Science And Technology	B32B 7/12
(11) 2026249	(72) Yanhao Dong	B32B 15/08
(47) 13.04.2022	Chao Wang	B32B 15/082
(22) 11.08.2020	Wei Zhou	B32B 15/09
(54) Plasma source for generating a disinfecting and/or sterilizing gas mixture	Hongzheng Zhu	B32B 27/08
(73) Log10 B.V.	Jinbo Zhu	B32B 27/12
(72) Theo Alex Eduard van der Leij	(74) dr. T. Wittop Koning PhD	B32B 27/30
Mirte Peeters	(31) 202010409300.0	B32B 27/32
Franciscus Maria Verhoeven	(32) 14.05.2020	B32B 27/36
Thijs de Jong	(33) China	(11) 2026243
(74) ir. H.A. Witmans c.s.	(51) B25J 9/06	(47) 13.04.2022
(51) A61M 35/00	(11) 2028126	(22) 10.08.2020
(11) 1043744	(47) 08.04.2022	(54) Textile-coated metal substrate
(47) 08.04.2022	(22) 01.05.2021	(73) Lamcoatings B.V.
(22) 05.08.2020	(54) PNEUMATIC SOFT ACTUATOR AS WELL AS COMBINED STRUCTURE AND SOFT ROBOT WITH SAME	(72) Antonio D'Ortona
(54) Disinfection station system to be used to disinfect persons by spraying a disinfectant fluid	(73) Jiangxi University of Science and Technology	Alessandro Bralia
(73) Neo-Dyne B.V.	(72) Chengkun Xiao	(74) ir. J.C. Volmer c.s.
Neo-Dyne	Yuan Zhong	(51) B32B 5/28
(72) Radu Iliuta	Hu Li	B32B 19/02
(51) A62B 3/00	Long Liang	B32B 19/04
B66F 3/10	Junfeng Hu	E01B 19/00
B66F 3/44	Xian Li	E01C 1/00
(11) 2026223	Tao Wen	E01C 3/06
(47) 08.04.2022	(74) dr. T. Wittop Koning PhD	E02D 31/08
(22) 05.08.2020	(51) B28B 7/00	E04B 1/98
(54) Telescopisch schachtsamenstel en reddingsgereedschap	B28B 7/10	E04H 9/02
(73) JPM Beheer B.V.	B28B 13/06	G10K 11/168
(72) Fred Baas	(11) 2026214	(11) 2026238
Jan Pieter Maarschalk	(47) 08.04.2022	(47) 08.04.2022
(74) drs. A.A. Jilderda	(22) 05.08.2020	(22) 07.08.2020
(51) A63B 33/00	(54) Mould container part and mould container press comprising such a mould container part	(54) Underground vibration shield element
B63C 11/12	(73) Beheermaatschappij De Boer Nijmegen B.V.	(73) Civil City Solutions B.V.
G02C 7/02	(72) Martijn Maria van den Boogaard	(72) Raymond Ernst
G02C 7/08	(74) dr. ir. G.J.C. Verdijck c.s.	Markus Pieter Kornelis van Rijn
G02C 9/00	(51) B29C 43/22	(74) ir. J.C. Volmer c.s.
(11) 2026159	B29D 7/01	(51) B60P 3/06
(47) 13.04.2022	C08J 3/18	B65G 69/30
(22) 29.07.2020	C08J 5/18	B66D 1/60
(54) Removable reading glasses for a diving mask or goggles	C08J 11/06	(11) 1043739
(73) LabTie	(11) 2026224	(47) 08.04.2022
(72) Bastiaan Millenaar	(47) 08.04.2022	(22) 27.07.2020
Jose Paul Groeneveld		(54) Oprijplaten Hishulp Methode
(74) drs. P.A. van Essen c.s.		(73) Mr Hendrikus Cornelis Gerardus Beentjes
(51) B01L 3/00		H.B. Hishulp
C12M 1/12		(72) Mr Hendrikus Petrus Beentjes
		(51) B63B 27/16
		B63B 27/30

(11) 2026198	(54) APPARATUS FOR ADVANCED	(54) DRILLING EQUIPMENT CAPABLE OF
(47) 08.04.2022	TREATMENT OF SLIGHTLY POLLUTED	REINFORCING WALL OF WELL AND
(22) 03.08.2020	WATER	USE METHOD THEREOF
(54) A telescopic gangway, a motion	(73) NORTH CHINA UNIVERSITY OF	(73) XUZHOU UNIVERSITY OF
compensated gangway and a vessel	SCIENCE AND TECHNOLOGY	TECHNOLOGY
(73) Ampelmann Holding B.V.	(72) Qunli Gao	(72) Shujuan Zhang
(72) Martijn Paulus Maria Krutzen	Yaozong Zhang	Xiangqian Zhao
(74) ir. H.A. Witmans c.s.	Shuo Yang	Yanxiang Liang
(51) B66C 23/64	Liping Li	Dingchao Chen
(11) 1043747	Yong Wang	Yang Yu
(47) 08.04.2022	Ning Zhang	Yuheng Han
(22) 06.08.2020	Jincheng Sun	Yuxin Pan
(54) Voorzet-hijsconstructie	Wang Zhang	(74) ir. H.Th. van den Heuvel c.s.
(73) Petronella Gerarda Maria Stoof-Janssen	(74) ir. J.C. Volmer c.s.	(31) 2021104050828
(72) Petronella Gerarda Maria Stoof-Janssen	(31) 202110945282.2	(32) 15.04.2021
(51) B67D 1/12	(32) 17.08.2021	(33) China
B67D 1/14	(33) China	(51) F16J 15/06
(11) 2026244	(51) C10B 53/07	F21V 23/04
(47) 13.04.2022	C10J 3/46	F21V 23/06
(22) 10.08.2020	(11) 2026451	F21V 31/00
(54) Dispensing line with in-line regulator	(47) 08.04.2022	H01R 13/52
valve	(22) 11.09.2020	H01R 33/76
(73) Heineken Supply Chain B.V.	(54) METHOD TO ADAPT A COAL FIRED	(11) 2026201
(72) Michiel Adrianus Henricus van der Aa	POWER PLANT AND PROCESS	(47) 08.04.2022
Arie Maarten Paauwe	(73) Michiel Cramwinckel	(22) 03.08.2020
(74) ir. H.A. Witmans c.s.	(72) Michiel Cramwinckel	(54) RECEPTACLE ASSEMBLY WITH
(51) C02F 1/28	(74) drs. A.P. van Wijk	GASKET
E03F 5/10	(31) 2023885	(73) SCHREDER S.A.
(11) 2028968	2023807	(72) Marcel Thijs
(47) 06.04.2022	(32) 24.09.2019	Laurent Etorre
(22) 13.08.2021	11.09.2019	(74) dr. ir. G.J.C. Verdijck c.s.
(54) ANTI-SEEPAGE SOFT PIT FOR	(33) Netherlands	(51) F24D 3/18
PURIFYING SEWAGE USING MUD-	Netherlands	F24D 12/02
MIXED CLAY IN KARST MOUNTAIN	(51) E01H 1/04	F24D 19/06
AREAS AND CONSTRUCTION	E01H 1/08	F24H 4/02
METHOD THEREOF	E01H 1/05	(11) 2026247
(73) INSTITUTE OF GEOCHEMISTRY,	(11) 2026070	(47) 13.04.2022
CHINESE ACADEMY OF SCIENCES	(47) 13.04.2022	(22) 10.08.2020
(72) Tao Peng	(22) 15.07.2020	(54) Een modulair warmtepompsysteem voor
Lin Luo	(54) CLEANING MACHINE FOR A ROAD OR	het ontvangen en verwarmen van een
Deqiu Dai	PAVEMENT OR GUTTER COMPRISING	waterstroom, voor een woningcomplex
Wei Feng	A DISINFECTANT SYSTEM	en een warmtepompmodule
Haimei Bao	(73) RAVO B.V.	(73) Servex Koel- en Vriestechniek Van den
(74) ir. W.J.J.M. Kempes	(72) Thijs Joop Kea	Kerkhof B.V.
(31) 202011485387.6	Rob Prins	(72) Henricus Mathias Gerardus Maria van
(32) 16.12.2020	(74) drs. P.A. van Essen c.s.	den Kerkhof
(33) China	(51) E03D 7/00	William Louisse van den Kerkhof
(51) C02F 1/46	(11) 1043748	Marcel Emmanuel Helena van den
C02F 1/78	(47) 08.04.2022	Kerkhof
(11) 1043743	(22) 07.08.2020	(74) mr. ir. J. van Breda c.s.
(47) 12.04.2022	(54) Mobile Sanitary System with Water	(51) F24F 7/007
(22) 04.08.2020	Purification and ORS Administration	F24F 8/10
(54) Werkwijze voor het reinigen van onder-	Functionalities	F24F 8/22
meer dierlijke drijfmest door het onder-	(73) Stichting J&J Consortium	(11) 2026245
werpen ervan aan elektrische ontlading,	(72) Joris Krijger	(47) 13.04.2022
in het bijzonder vonk- of vlamboogontla-	Adriaan Timmers	(22) 10.08.2020
5 ding, bij voorkeur in combinatie met	Prof. Ing. Jan Rolloos	(54) Air treatment system
ozonisatie	Bc Joep Jan Bernhard Derksen	(73) Quake B.V.
(73) Willibrordus Augustinus van der Weide	Ruben Timmers	(72) Adrianus van der Aa
Ing. Yurii Rakotsy	Damir Brdjanovic	(74) ir. A. Blokland c.s.
(72) Ing. Yurii Rakotsy	Harry Futselaar	(51) G01F 1/684
Willibrordus Augustinus van der Weide	(51) E21B 10/30	G01F 5/00
(51) C02F 9/00	E21B 17/22	G01F 15/18
(11) 2029218	(11) 2028151	(11) 2026167
(47) 06.04.2022	(47) 08.04.2022	(47) 08.04.2022
(22) 21.09.2021	(22) 05.05.2021	(22) 30.07.2020

(54) Thermal-type flow sensor with a thermally conductive frame element in the form of a printed circuit board (PCB)	Tor Egil Melgård (74) dr. R.C. van Duijvenbode c.s.	Hongwei Wei Minglei Shu Liqiang Nie Yinglong Wang Da Chen
(73) Berkin B.V.	(51) G06F 1/16	(74) ir. W.J.J.M. Kempes
(72) Hefney Job De Haan	(11) 2026236	(31) 202110065609.7
René Henri Wouter van der Wal	(47) 08.04.2022	(32) 18.01.2021
Coen Adrian Robert Tom Bruggeman	(22) 07.08.2020	(33) China
Erik Pieter van Gaasbeek	(54) An Anti-quantum Computing Wearable Safety Device	(51) G06N 3/00
Tristan Doornebosch	(73) Shenzhen Polytechnic	G06F 16/36
Gert Jan Snijders	(72) Jinfeng Yang	G06N 3/04
(74) ir. A. Blokland c.s.	Haibo Yi	G06N 7/00
(51) G01N 33/543	Xin Huang	G06N 5/02
G01N 33/58	(74) A. Rivière	G06N 3/08
G01N 33/94	(51) G06F 21/64	G06N 5/04
(11) 2028742	G06Q 50/28	(11) 2028258
(47) 08.04.2022	(11) 2026237	(47) 06.04.2022
(22) 15.07.2021	(47) 08.04.2022	(22) 20.05.2021
(54) FLUORESCENCE	(22) 07.08.2020	(54) ATTENTION-LSTM-BASED METHOD FOR KNOWLEDGE REASONING OF REINFORCEMENT LEARNING AGENT
IMMUNOCHROMATOGRAPHIC KIT FOR SIMULTANEOUS DETECTION OF FOUR KINDS OF NITROFURAN METABOLITES, PREPARATION METHOD AND APPLICATION THEREOF	(54) An Anti-quantum Computing Logistics Blockchain Security System	(73) SHANDONG ARTIFICIAL INTELLIGENCE INSTITUTE
(73) Bohai University	(73) Shenzhen Polytechnic	(72) Hui Liu
(72) Jianyang Yu	(72) Jinfeng Yang	Yinglong Wang
Hong Wang	Xin Huang	Hao Liu
Hong Lin	Haibo Yi	Minglei Shu
Yuanyuan Cheng	(74) A. Rivière	Chao Chen
Xiuying Liu	(51) G06K 7/00	(74) ir. W.J.J.M. Kempes
Xiaohua Guo	G06Q 10/08	(31) 202010918363.9
Xue Gao	H04B 5/00	(32) 03.09.2020
Minjun Lao	(11) 2026234	(33) China
Yiwei Tang	(47) 08.04.2022	(51) G06N 3/04
Xuepeng Li	(22) 07.08.2020	G06K 9/62
Jianrong Li	(54) Inventory tracking	G06N 3/08
(74) ir. F.A. Geurts c.s.	(73) Nedap N.V.	G06N 3/10
(31) 202110446512.0	(72) Paul Jasper Compaijen	G06V 20/52
(32) 25.04.2021	Danny Jacobus Theodorus Haak	G06V 40/10
(33) China	(74) ir. H.A. Witmans c.s.	(11) 2028092
(51) G01N 33/543	(51) G06K 7/00	(47) 06.04.2022
G01N 33/68	H04B 5/00	(22) 29.04.2021
(11) 2029221	H04B 7/06	(54) CROSS-MODALITY PERSON RE-IDENTIFICATION METHOD BASED ON DUAL-ATTRIBUTE INFORMATION
(47) 06.04.2022	(11) 2026233	(73) SHANDONG ARTIFICIAL INTELLIGENCE INSTITUTE
(22) 22.09.2021	(47) 13.04.2022	(72) Yinglong Wang
(54) MOUSE T-CELL-DEPENDENT ANTIBODY RESPONSE (TDAR) ASSAY KIT	(22) 07.08.2020	Xuemeng Song
(73) AFFILIATED HAIKOU HOSPITAL OF XIANGYA MEDICAL COLLEGE, CENTRAL SOUTH UNIVERSITY	(54) Tag interrogation system	Zan Gao
(72) Wenhua Zhong	(73) Nedap N.V.	Liqiang Nie
Hua Lin	(72) Paul Jasper Compaijen	Lin Chen
Lianfang Gan	Chiron Jacques van der Burgt	(74) ir. W.J.J.M. Kempes
Zhaoxin Yang	Reinbrand Gerhard Jaakob Frans	(31) 202010805183.X
Lifan Zhong	Ottokar Johanan van Lakwijk	(32) 12.08.2020
Penghuan Chang	(74) ir. H.A. Witmans c.s.	(33) China
(74) ir. W.J.J.M. Kempes	(51) G06K 9/62	(51) G06Q 30/02
(51) G01S 19/07	G06N 3/04	(11) 2026199
(11) 2026210	G06N 3/08	(47) 08.04.2022
(47) 08.04.2022	G06V 10/82	(22) 03.08.2020
(22) 04.08.2020	G06V 30/24	(54) A method of registering, by a server, a customer for a loyalty program, using a payment means, such as a payment card, of said customer, as well as a related server.
(54) TIMESCALE DISSEMINATION USING GLOBAL NAVIGATION SATELLITE SYSTEMS AND APPLICATIONS THEREOF	G06V 40/10	(73) Contactless technologies B.V.
(73) FNV IP B.V.	(11) 2028095	(72) Martinus Petrus Johannes Maria Poels
(72) Ole Petter Rønningen	(47) 06.04.2022	(74) ir. A. Blokland c.s.
	(22) 29.04.2021	
	(54) MULTI-GRANULARITY CLOTHING CHANGING-SPECIFIC PERSON RE-IDENTIFICATION (REID) METHOD BASED ON CLOTHING DESENSITIZATION NETWORK	
	(73) SHANDONG ARTIFICIAL INTELLIGENCE INSTITUTE	
	(72) Zhiyong Cheng	
	Zan Gao	

(51) G08G 5/04	Daniel Jair Kalkhoven
(11) 2028340	(72) Hensley Francisco Roach
(47) 06.04.2022	Oscar Rudolf George Matroos
(22) 31.05.2021	Daniel Jair Kalkhoven
(54) COLLISION DETECTION METHOD	Roy Anthony Francis Everts
BASED ON AUTOMATIC DEPENDENT	
SURVEILLANCE-BROADCAST (ADS-B)	(51) H05B 47/19
(73) CIVIL AVIATION FLIGHT UNIVERSITY	(11) 2026209
OF CHINA	(47) 08.04.2022
(72) Zhiyong Liu	(22) 04.08.2020
Yinchuan Liu	(54) TOUCHLESS COMMAND METHOD
Cheng Yao	FOR A LIGHTING SYSTEM
Wenjiang Xu	(73) SCHREDER S.A.
Nisi Li	(72) François Perchais
Lin Lin	Laurent Secretin
(74) ir. W.J.J.M. Kempes	(74) dr. ir. G.J.C. Verdijk c.s.
(31) 202010498905.1	
(32) 04.06.2020	
(33) China	
(51) G16H 10/60	
(11) 2027869	
(47) 08.04.2022	
(22) 30.03.2021	
(54) APPARATUS AND METHOD	
FOR PRODUCING IMMUNITY	
CERTIFICATES	
(73) Magicroad, Lda	
(72) António Bernardino Guimarães Parada	
(74) dr. R.C. van Duijvenbode c.s.	
(31) 63/011,348	
(32) 17.04.2020	
(33) United States of America	
(51) H02G 1/08	
(11) 2026228	
(47) 08.04.2022	
(22) 06.08.2020	
(54) Coupling device and method for pulling	
an electrical wire through a conduit	
(73) Mes Bros. B.V.	
(72) Mark Mes	
Jeroen Mes	
(74) ir. J.C. Volmer c.s.	
(51) H02S 20/00	
(11) 2026230	
(47) 08.04.2022	
(22) 06.08.2020	
(54) A FLOATING SOLAR ARRAY	
(73) OVAL ECONOMY B.V.	
(72) Edmund David Aufenast	
Eduard Willem Zanen	
Nicolaas Johannes Wilhelmina Hendrikus	
Schermer	
Jayna Jogia	
(74) ir. M. Cramwinckel	
(51) H04L 29/06	
(11) 2026156	
(47) 12.04.2022	
(22) 24.07.2020	
(54) A method that adequately protects the	
authentic identity and personal data of a	
natural person and remotely confirms the	
authentic identity of this natural person	
through a trusted entity to a beneficiary	
party.	
(73) Roy Anthony Francis Everts	
Oscar Rudolf George Matroos	
Hensley Francisco Roach	

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) 30.03.2022

(11) EP3973361

(51) G03H 1/04

G03H 1/26

G09F 13/08

(71) Portl, Inc.

EP2

Voor Nederland verleende Europese octrooien.

Contains data concerning European patents granted for The Netherlands.

(51) A01B 79/00	(47) 13.04.2022	(72) FRIEDMAN, Jon
A01B 79/02	(87) NL2017000002	(31) 201615219410
(11) EP3468339	10.08.2017	201662349822 P
(21) EP17727622.7	(22) 02.02.2017	(32) 26.07.2016
(47) 13.04.2022	(54) APPARATUS FOR HARVESTING	14.06.2016
(87) EP2017063954	VEGETABLE CROPS	(33) United States of America
14.12.2017	(73) Tumoba Vegetable Harvesters B.V.	United States of America
(22) 08.06.2017	(72) MOLENAAR, Hendrik Willem	(51) A01G 9/02
(54) METHOD FOR DETERMINING	(31) 1041709	A01G 9/029
THE CROP PROPERTIES OF AN	(32) 03.02.2016	A01G 31/02
AGRICULTURAL CROP	(33) Netherlands	(11) EP3729954
(73) BASF SE	(51) A01F 12/44	(21) EP20164962.1
(72) PETERS, Ole	(11) EP3340770	(47) 13.04.2022
(31) 16173692	(21) EP16763396.5	(22) 23.03.2020
(32) 09.06.2016	(47) 13.04.2022	(54) HYDROPONIC PLANT CONTAINER
(33) European Patent Office (EPO)	(87) US2016048932	(73) 2251600 ALBERTA LTD.,
(51) A01C 7/04	09.03.2017	HUNTLEY VENTURES INC.
(11) EP3574733	(22) 26.08.2016	(72) Gorgichuk, Mitchell Dwayne
(21) EP19171451.8	(54) COMBINE HARVESTER WITH	(31) 201916362641
(47) 13.04.2022	LATERAL MOTION OF THE GRAIN PAN	(32) 23.03.2019
(22) 26.04.2019	(73) CNH Industrial Belgium NV	(33) United States of America
(54) SEED METER DISK	(72) DUQUESNE, Frank R. G.	(51) A01G 13/02
(73) Deere & Company	SNAUWAERT, Paul E. M.	C09K 17/52
(72) GARNER, Elijah	HILLEN, Curtis	(11) EP3554220
WOLFS, Beth A.	(31) 201562211442 P	(21) EP17811936.8
(31) 201815995566	(32) 28.08.2015	(47) 13.04.2022
(32) 01.06.2018	(33) United States of America	(87) EP2017081769
(33) United States of America	(51) A01F 12/44	21.06.2018
(51) A01C 7/04	A01D 41/127	(22) 07.12.2017
A01C 7/08	(11) EP3446559	(54) MULCH COMPOSITION, METHOD OF
A01C 7/20	(21) EP18189470.0	MANUFACTURING AND RELATED
(11) EP3718388	(47) 13.04.2022	USES
(21) EP20164919.1	(22) 17.08.2018	(73) Luonnonvarakeskus
(47) 13.04.2022	(54) METERING FLOW OF GRAIN TO A	(72) KEMPPAINEN, Riitta
(22) 23.03.2020	CLEANING DEVICE	TIILIKKALA, Kari
(54) AGRICULTURAL DEVICE WITH	(73) Deere & Company	(31) 20165959
METERING DEVICES COMPRISING	(72) Puvak, Jared	(32) 13.12.2016
THREE COMPRESSED AIR FEEDS	(31) 201715684011	(33) Finland
(73) Horsch Maschinen GmbH	(32) 23.08.2017	(51) A01G 23/00
(72) Köbler, Manfred	(33) United States of America	B60P 3/41
(31) 102019108992	(51) A01F 15/12	(11) EP3533321
(32) 05.04.2019	(11) EP3590327	(21) EP19159885.3
(33) Germany	(21) EP19184365.5	(47) 13.04.2022
(51) A01D 34/66	(47) 13.04.2022	(22) 28.02.2019
A01D 34/64	(22) 04.07.2019	(54) MOBILE FORESTRY MACHINE
(11) EP3701783	(54) A BALER	(73) Suffel Fördertechnik GmbH & Co. KG
(21) EP20158452.1	(73) CNH Industrial Belgium N.V.	(72) WELSCHOF, Bernhard
(47) 13.04.2022	(72) De Gersem, Hans Joseph	(31) 102018104810
(22) 20.02.2020	(31) 201805474	(32) 02.03.2018
(54) MOWER DECK LIFTING RAMPS	(32) 05.07.2018	(33) Germany
(73) Deere & Company	(33) Belgium	(51) A01J 25/12
(72) Shekhawat, Rishika	(51) A01G 9/02	A01J 27/04
Gantt, Samuel	(11) EP3468344	B26D 1/00
Santoro, Giovanni	(21) EP17814000.0	(11) EP3740064
Simpson, Robert	(47) 13.04.2022	(21) EP19701968.0
(31) 201916286238	(87) US2017037426	(47) 13.04.2022
(32) 26.02.2019	21.12.2017	(87) DK2019050017
(33) United States of America	(22) 14.06.2017	25.07.2019
(51) A01D 45/26	(54) VERTICAL ASSEMBLY FOR GROWING	(22) 17.01.2019
(11) EP3410838	PLANTS	(54) A DEVICE FOR AND A METHOD OF
(21) EP17707690.8	(73) Freight Farms, Inc.	CUTTING A SQUARE CHEESE BLOCK

(73) JH Consulting V/Jørgen Henriksen	(11) EP2865262	LINE GUIDE, AND FISHING ROD
(72) HENRIKSEN, Jørgen	(21) EP13807259.0	INCLUDING SAME
(31) PA201870150	(47) 13.04.2022	(73) Fuji Kogyo Co., Ltd.
PA201870032	(87) KR2013005513	(72) OMURA, Kazuhito
(32) 09.03.2018	27.12.2013	(31) 2018005465
18.01.2018	(22) 21.06.2013	20180093080
(33) Denmark	(54) METHOD FOR PREPARING PATIENT-	20180024646
Denmark	SPECIFIC GLIOBLASTOMA ANIMAL	(32) 17.01.2018
(51) A01K 1/00	MODEL, AND USE THEREOF	09.08.2018
A41D 13/005	(73) Samsung Life Public Welfare Foundation	28.02.2018
A62B 17/00	(72) JOO, Kyeung Min	(33) Japan
A61F 7/00	NAM, Do Hyun	Korea (Republic)
A61F 7/02	JIN, Ju Yoon	Korea (Republic)
A01K 13/00	(31) 20120067017	(51) A01M 1/02
(11) EP3585194	(32) 21.06.2012	A01M 1/14
(21) EP18706452.2	(33) Korea (Republic)	A01M 1/20
(47) 13.04.2022	(51) A01K 67/033	F21V 7/28
(87) EP2018053517	C07K 14/82	(11) EP3270689
30.08.2018	G01N 33/50	(21) EP16737715.9
(22) 13.02.2018	A61K 31/405	(47) 13.04.2022
(54) PORTABLE COOLING DEVICE FOR	A61K 31/519	(87) US2016013007
HUMANS AND/OR ANIMALS	C12N 9/16	21.07.2016
(73) Labus, Heinrich Raimund	(11) EP3397051	(22) 12.01.2016
(72) LABUS, Andreas	(21) EP16882638.6	(54) INSECT TRAP
LABUS, Heinrich Raimund	(47) 13.04.2022	(73) The Procter & Gamble Company
(31) 102017103731	(87) US2016069104	(72) SANFORD, Andrew
(32) 23.02.2017	06.07.2017	LAZARCHIK, Daniel B.
(33) Germany	(22) 29.12.2016	SHURTLEFF, Jill M.
(51) A01K 11/00	(54) FLY AVATARS FOR CANCER AND	(31) 201562102583 P
(11) EP3823441	USES THEREOF	(32) 12.01.2015
(21) EP19737796.3	(73) Icahn School of Medicine at Mount Sinai	(33) United States of America
(47) 13.04.2022	(72) CAGAN, Ross	(51) A01M 7/00
(87) EP2019069157	BANGI, Erdem	A01M 21/04
23.01.2020	(31) 201562273125 P	(11) EP3357332
(22) 16.07.2019	(32) 30.12.2015	(21) EP17305131.9
(54) SYSTEM FOR SAMPLING TISSUE	(33) United States of America	(47) 13.04.2022
FROM AN EAR OF AN ANIMAL	(51) A01K 87/04	(22) 06.02.2017
(73) Datamars SA	A01K 87/00	(54) AGRICULTURAL SPRAYER
(72) IORI, Marco	(11) EP3741211	(73) BILBERRY SAS
BONGIORNO, Alessandro	(21) EP18901117.4	(72) SERRAT, Hugo
PACHOUD, Damien	(47) 13.04.2022	BEGUERIE, Jules
(31) PCT/EP2018/069656	(87) JP2018047621	JOURDAIN, Guillaume
(32) 19.07.2018	25.07.2019	(51) A01M 23/00
(33) World Intellectual Property Office (WIPO)	(22) 25.12.2018	A01M 23/30
(51) A01K 61/60	(54) FISHING LINE GUIDE AND FISHING	(11) EP3403498
A01K 61/65	ROD EQUIPPED WITH SAME	(21) EP18173132.4
(11) EP3709797	(73) Fuji Kogyo Co., Ltd.	(47) 13.04.2022
(21) EP18807062.7	(72) OMURA, Kazuhito	(22) 18.05.2018
(47) 13.04.2022	(31) 2018005465	(54) RODENT STATION
(87) EP2018081826	20180093077	(73) Pelsis Limited
23.05.2019	20180024643	(72) FISH, John
(22) 19.11.2018	(32) 17.01.2018	ARDRON, Richard
(54) FISH FARMING STRUCTURE	09.08.2018	(31) 201708092
(73) Pelaqua AS	28.02.2018	(32) 19.05.2017
(72) GRAVDAL JOHANSEN, Audun	(33) Japan	(33) United Kingdom
SØRBY, Bernt	Korea (Republic)	(51) A01N 43/40
HEIERVANG, Mads Fredrik	Korea (Republic)	A01P 3/00
GRØTHE SANDNES, Pål	(51) A01K 87/04	(11) EP3618623
(31) 20181048	B29C 45/00	(21) EP18794822.9
20171856	B29C 45/14	(47) 13.04.2022
(32) 06.08.2018	(11) EP3741212	(87) US2018030556
17.11.2017	(21) EP18901248.7	08.11.2018
(33) Norway	(47) 13.04.2022	(22) 02.05.2018
Norway	(87) JP2018047624	(54) USE OF AN ACYCLIC PICOLINAMIDE
(51) A01K 67/027	25.07.2019	COMPOUND AS A FUNGICIDE FOR
G01N 33/15	(22) 25.12.2018	CONTROL OF PHYTOPATHOGENIC
C12N 15/09	(54) METHOD FOR MANUFACTURING	FUNGI IN ROW CROPS
A61K 49/00	FISHING LINE GUIDE, FISHING	(73) Corteva Agriscience LLC

(72) DA CUNHA, Luis Claudio Vieira FAIRFAX, Mark BIRO, Akos YAO, Chenglin HUSBAND, Brian MARTIN, Marsha RICHBURG, John MEYER, Kevin G. HUANG, Yi-hsiou GALLUP, Courtney (31) 201762500179 P (32) 02.05.2017 (33) United States of America	(31) PCT/EP2015/000011 (32) 07.01.2015 (33) World Intellectual Property Office (WIPO) (51) A23G 9/22 A23G 9/28 (11) EP3772978 (21) EP19707803.3 (47) 13.04.2022 (87) EP2019055064 03.10.2019 (22) 28.02.2019 (54) METHOD FOR DISPENSING FROZEN CONFECTIONS (73) Unilever IP Holdings B.V. (72) DOMBURG, Bastiaan DIKS-WARMERDAM, Leonie, Martine KRIEG, Johannes (31) 18165171 (32) 29.03.2018 (33) European Patent Office (EPO) (51) A23L 2/04 A23L 2/78 (11) EP3860361 (21) EP19795052.0 (47) 13.04.2022 (87) IB2019058388 09.04.2020 (22) 02.10.2019 (54) PROCESS FOR PRODUCING PURIFIED PAC'S AND SUGAR FROM FRUIT JUICE, AND COMPOSITIONS COMPRISING SAME (73) West Invest S.A. (72) REYNAUD, Eric BAUDOUIN, Stanislas (31) 201862739956 P (32) 02.10.2018 (33) United States of America (51) A23L 7/109 (11) EP3860366 (21) EP20824632.2 (47) 13.04.2022 (87) IB2020060694 20.05.2021 (22) 13.11.2020 (54) A METHOD OF MAKING FRESH FILLED PASTA AND FILLED PASTA OBTAINED THEREBY (73) BERTAGNI 1882 S.p.A. (72) BOLLA, Enrico (31) 201900021141 (32) 14.11.2019 (33) Italy (51) A23L 11/00 A23L 11/30 A23J 1/14 A23J 3/14 (11) EP3644760 (21) EP18750542.5 (47) 13.04.2022 (87) US2018040266 03.01.2019 (22) 29.06.2018 (54) DEFLAVORED PEA COMPOSITION (73) Kellogg Company (72) HOSSEN, Monjur CHERIAN, George PINKSTON, John, David	TENEA, Alina, Ruxandra (31) 201762527266 P (32) 30.06.2017 (33) United States of America (51) A23L 27/10 A23L 27/16 (11) EP3880005 (21) EP19797729.1 (47) 13.04.2022 (87) EP2019080206 22.05.2020 (22) 05.11.2019 (54) ONION FLAVOUR COMPOSITION AND METHOD FOR THE PREPARATION THEREOF (73) Unilever IP Holdings B.V. (72) ABRAHAMSE, Salomon, Leendert VANDER STAPPEN, Michel KOCH, Jens ACHARYA, Parag BLUME, Jochen SABATER-LUENTZEL, Christopher GROHMANN, Lars BATENBURG, Amir, Maximiliaan HILLE, Matthias KOPPE, Volkmar (31) 18206682 (32) 16.11.2018 (33) European Patent Office (EPO) (51) A24D 1/20 A24B 15/16 A24D 3/14 (11) EP3727045 (21) EP18812303.8 (47) 13.04.2022 (87) IB2018059151 27.06.2019 (22) 21.11.2018 (54) REDUCING AEROSOL AMMONIA IN HEATED AEROSOL GENERATING ARTICLES (73) Philip Morris Products S.A. (72) LANG, Gerhard (31) 17209524 (32) 21.12.2017 (33) European Patent Office (EPO) (51) A24D 1/20 A24C 5/01 (11) EP3796793 (21) EP18731767.2 (47) 13.04.2022 (87) EP2018065155 28.11.2019 (22) 08.06.2018 (54) AEROSOL GENERATING ARTICLES AND METHODS FOR MANUFACTURING THE SAME (73) JT International SA (72) RODRÍGUEZ, Juan José Moreno GILL, Mark (31) 18173406 18173404 18173398 (32) 21.05.2018 21.05.2018 21.05.2018 (33) European Patent Office (EPO) European Patent Office (EPO)
(72) DA CUNHA, Luis Claudio Vieira FAIRFAX, Mark BIRO, Akos YAO, Chenglin HUSBAND, Brian MARTIN, Marsha RICHBURG, John MEYER, Kevin G. HUANG, Yi-hsiou GALLUP, Courtney (31) 201762500179 P (32) 02.05.2017 (33) United States of America	(31) PCT/EP2015/000011 (32) 07.01.2015 (33) World Intellectual Property Office (WIPO) (51) A23G 9/22 A23G 9/28 (11) EP3772978 (21) EP19707803.3 (47) 13.04.2022 (87) EP2019055064 03.10.2019 (22) 28.02.2019 (54) METHOD FOR DISPENSING FROZEN CONFECTIONS (73) Unilever IP Holdings B.V. (72) DOMBURG, Bastiaan DIKS-WARMERDAM, Leonie, Martine KRIEG, Johannes (31) 18165171 (32) 29.03.2018 (33) European Patent Office (EPO) (51) A23L 2/04 A23L 2/78 (11) EP3860361 (21) EP19795052.0 (47) 13.04.2022 (87) IB2019058388 09.04.2020 (22) 02.10.2019 (54) PROCESS FOR PRODUCING PURIFIED PAC'S AND SUGAR FROM FRUIT JUICE, AND COMPOSITIONS COMPRISING SAME (73) West Invest S.A. (72) REYNAUD, Eric BAUDOUIN, Stanislas (31) 201862739956 P (32) 02.10.2018 (33) United States of America (51) A23L 7/109 (11) EP3860366 (21) EP20824632.2 (47) 13.04.2022 (87) IB2020060694 20.05.2021 (22) 13.11.2020 (54) A METHOD OF MAKING FRESH FILLED PASTA AND FILLED PASTA OBTAINED THEREBY (73) BERTAGNI 1882 S.p.A. (72) BOLLA, Enrico (31) 201900021141 (32) 14.11.2019 (33) Italy (51) A23L 11/00 A23L 11/30 A23J 1/14 A23J 3/14 (11) EP3644760 (21) EP18750542.5 (47) 13.04.2022 (87) US2018040266 03.01.2019 (22) 29.06.2018 (54) DEFLAVORED PEA COMPOSITION (73) Kellogg Company (72) HOSSEN, Monjur CHERIAN, George PINKSTON, John, David	TENEA, Alina, Ruxandra (31) 201762527266 P (32) 30.06.2017 (33) United States of America (51) A23L 27/10 A23L 27/16 (11) EP3880005 (21) EP19797729.1 (47) 13.04.2022 (87) EP2019080206 22.05.2020 (22) 05.11.2019 (54) ONION FLAVOUR COMPOSITION AND METHOD FOR THE PREPARATION THEREOF (73) Unilever IP Holdings B.V. (72) ABRAHAMSE, Salomon, Leendert VANDER STAPPEN, Michel KOCH, Jens ACHARYA, Parag BLUME, Jochen SABATER-LUENTZEL, Christopher GROHMANN, Lars BATENBURG, Amir, Maximiliaan HILLE, Matthias KOPPE, Volkmar (31) 18206682 (32) 16.11.2018 (33) European Patent Office (EPO) (51) A24D 1/20 A24B 15/16 A24D 3/14 (11) EP3727045 (21) EP18812303.8 (47) 13.04.2022 (87) IB2018059151 27.06.2019 (22) 21.11.2018 (54) REDUCING AEROSOL AMMONIA IN HEATED AEROSOL GENERATING ARTICLES (73) Philip Morris Products S.A. (72) LANG, Gerhard (31) 17209524 (32) 21.12.2017 (33) European Patent Office (EPO) (51) A24D 1/20 A24C 5/01 (11) EP3796793 (21) EP18731767.2 (47) 13.04.2022 (87) EP2018065155 28.11.2019 (22) 08.06.2018 (54) AEROSOL GENERATING ARTICLES AND METHODS FOR MANUFACTURING THE SAME (73) JT International SA (72) RODRÍGUEZ, Juan José Moreno GILL, Mark (31) 18173406 18173404 18173398 (32) 21.05.2018 21.05.2018 21.05.2018 (33) European Patent Office (EPO) European Patent Office (EPO)

European Patent Office (EPO)	201962793551 P	(22) 24.09.2018
(51) A24D 3/06	(32) 28.02.2019	(54) SYSTEM FOR CONVEYING
A24F 42/10	17.01.2019	ELECTRONIC CIGARETTE
A24D 1/22	(33) Japan	COMPONENTS
A24D 3/17	United States of America	(73) G.D S.p.A.
(11) EP3459374	(51) A24F 40/44	(72) LANZARINI, Luca
(21) EP17820226.3	A24F 40/485	TESTONI, Luca
(47) 13.04.2022	A24F 40/10	MORETTI, Carlo
(87) JP2017023782	A24F 15/015	FEDERICI, Luca
04.01.2018	(11) EP3363308	DEGLIESPOSTI, Paolo
(22) 28.06.2017	(21) EP18173759.4	(31) 201700109192
(54) FLAVOR INHALER	(47) 13.04.2022	(32) 29.09.2017
(73) Japan Tobacco Inc.	(22) 23.05.2018	(33) Italy
(72) NAKAZONO, Takayuki	(54) ELECTRONIC CIGARETTE AND	(51) A41D 13/01
AKIYAMA, Takeshi	ATOMIZER THEREOF	A41D 27/08
SUZUKI, Masaaki	(73) Shenzhen First Union Technology Co.,	A61B 5/11
NAKANO, Takuma	Ltd.	A61B 5/00
ODA, Takashi	(72) Li, Yonghai	G01L 1/14
(31) 2016131587	FENG, Yuanhua	A41D 1/00
2016131586	XU, Zhongli	(11) EP3675664
2016131585	HU, Peng	(21) EP18773697.0
(32) 01.07.2016	(31) 201710391166	(47) 13.04.2022
01.07.2016	(32) 27.05.2017	(87) US2018049036
01.07.2016	(33) China	07.03.2019
(33) Japan	(51) A24F 40/46	(22) 31.08.2018
Japan	A24F 40/485	(54) SENSE-ENABLED APPAREL
Japan	H05B 1/02	(73) NIKE Innovate C.V.
(51) A24F 40/00	H05B 3/44	(72) WALKER, Steven H.
H02J 7/00	A24F 40/10	(31) 201816117566
G01K 15/00	(11) EP3360430	201762552756 P
(11) EP3632233	(21) EP18173773.5	(32) 30.08.2018
(21) EP19200771.4	(47) 13.04.2022	31.08.2017
(47) 13.04.2022	(22) 23.05.2018	(33) United States of America
(22) 01.10.2019	(54) ELECTRONIC CIGARETTE AND	United States of America
(54) CONTROL UNIT FOR AEROSOL	ATOMIZER THEREOF	(51) A42B 3/14
GENERATING DEVICE	(73) Shenzhen First Union Technology Co.,	(11) EP3815560
(73) Japan Tobacco Inc.	Ltd.	(21) EP20202314.9
(72) FUJITA, Hajime	(72) XU, Zhongli	(47) 13.04.2022
ODA, Takashi	Li, Yonghai	(22) 16.10.2020
AKAO, Takeshi	ZHENG, Min	(54) HEAD PROTECTION LINING
OKUNO, Hiroshi	(31) 201720607806 U	(73) Uvex Arbeitsschutz GmbH
(31) 2018188631	(32) 27.05.2017	(72) Abel, Michael
(32) 03.10.2018	(33) China	Lieret, Roland
(33) Japan	(51) A24F 40/485	Schuss, Frederic
(51) A24F 40/30	A24F 40/46	Wolf, Martin
A24F 40/40	A24F 40/60	Kreitschmann, Tobias
A24F 40/50	A24F 40/20	Wagner, Wolf
A24F 40/57	(11) EP3363310	(31) 102019216846
A24F 40/90	(21) EP18173787.5	(32) 31.10.2019
A61M 11/04	(47) 13.04.2022	(33) Germany
H01M 10/44	(22) 23.05.2018	(51) A43B 3/00
H01M 10/48	(54) ELECTRONIC CIGARETTE OF LOW-	A43B 13/14
H02M 3/156	TEMPERATURE HEATING	A43C 1/00
H01M 10/42	(73) Shenzhen First Union Technology Co.,	A43C 11/16
H02J 7/00	Ltd.	B65H 59/00
A61M 15/06	(72) XU, Zhongli	B65H 69/00
A61M 16/00	SONG, Shengjia	(11) EP3429417
H02J 7/34	Li, Yonghai	(21) EP17767474.4
H02M 7/02	(31) 201720608591 U	(47) 13.04.2022
(11) EP3682924	(32) 26.05.2017	(87) US2017022586
(21) EP20152149.9	(33) China	21.09.2017
(47) 13.04.2022	(51) A24F 40/70	(22) 15.03.2017
(22) 16.01.2020	B65G 54/02	(54) BOX LACING CHANNEL FOR
(54) POWER SUPPLY UNIT FOR AEROSOL	(11) EP3687325	AUTOMATED FOOTWEAR PLATFORM
INHALER	(21) EP18782522.9	(73) NIKE Innovate C.V.
(73) Japan Tobacco Inc.	(47) 13.04.2022	(72) SCHNEIDER, Summer L.
(72) Akao, Takeshi	(87) IB2018057347	CHANG, Narissa
(31) 2019035974	04.04.2019	(31) 201662308648 P

(32) 15.03.2016	(51) A43B 13/18	(11) EP3793398
(33) United States of America	A43B 13/20	(21) EP19725126.7
(51) A43B 5/04	A43B 21/28	(47) 13.04.2022
A43C 11/16	A43B 7/14	(87) EP2019062704
(11) EP3725175	(11) EP3649882	21.11.2019
(21) EP20170285.9	(21) EP19211252.2	(22) 16.05.2019
(47) 13.04.2022	(47) 13.04.2022	(54) HAIR CLIP
(22) 20.04.2020	(22) 24.06.2010	(73) Triulzi, Bianca
(54) SKI BOOT	(54) ARTICLE OF FOOTWEAR HAVING A	Traub, Thomas
(73) Calzaturificio S.C.A.R.P.A. S.p.A.	SOLE STRUCTURE WITH PERIMETER	(72) Triulzi, Bianca
(72) PARISOTTO, Davide	AND CENTRAL ELEMENTS	Traub, Thomas
(31) 201900006162	(73) NIKE Innovate C.V.	(31) 102018111910
(32) 19.04.2019	(72) Peyton, Lee	(32) 17.05.2018
(33) Italy	(31) 49197309	(33) Germany
(51) A43B 7/12	(32) 25.06.2009	(51) A45D 34/00
A43B 23/02	(33) United States of America	(11) EP3937721
B33Y 80/00	(51) A43B 13/20	(21) EP21700141.1
(11) EP3585200	A43B 7/14	(47) 13.04.2022
(21) EP17706961.4	A43B 13/14	(87) IB2021050182
(47) 13.04.2022	(11) EP3430935	12.08.2021
(87) EP2017000256	(21) EP18194273.1	(22) 12.01.2021
30.08.2018	(47) 13.04.2022	(54) CARTRIDGE, DISPENSER AND
(22) 23.02.2017	(22) 07.03.2012	SYSTEM FOR COSMETIC PRODUCTS
(54) LAYERED PRODUCT WITH	(54) ARTICLE OF FOOTWEAR WITH SOLE	(73) TINA TINTORE COSMETICS, S.L.
FUNCTIONAL MEMBRANE,	STRUCTURE INCORPORATING A	(72) TINTORÉ GAZULLA, Cristina
FOOTWEAR COMPRISING	PLURALITY OF CHAMBERS	(31) 20382074
SUCH LAYERED PRODUCT, AND	(73) NIKE Innovate C.V.	(32) 04.02.2020
MANUFACTURING METHOD	(72) TAYLOR, Danielle L.	(33) European Patent Office (EPO)
(73) W.L. Gore & Associates GmbH	DEKOVIC, Denis	(51) A45D 34/04
(72) NABERNIK, Stane	SHAFFER, Benjamin A.	A45D 40/26
MUTH, Maximilian	SANTA MARIA, Brian E.	(11) EP3420844
KIEDERLE, Günter	LONG, Bradley S.	(21) EP18172208.3
(51) A43B 13/04	(31) 201113049245	(47) 13.04.2022
B29D 35/12	(32) 16.03.2011	(22) 14.05.2018
A43B 13/18	(33) United States of America	(54) COSMETIC-PRODUCT APPLICATOR
B29D 35/00	(51) A45C 11/00	TIP, ASSOCIATED APPLICATOR AND
C08L 53/02	B65D 75/32	APPLICATOR UNIT
C08L 91/00	(11) EP3409139	(73) Albéa Services
A43B 1/00	(21) EP18175590.1	(72) CRAPET, Yann
(11) EP3797628	(47) 13.04.2022	BALESTRINI, Thierry
(21) EP19932248.8	(22) 01.06.2018	(31) 1756223
(47) 13.04.2022	(54) CONTACT LENS PACKAGE	(32) 30.06.2017
(87) JP2019030843	WITH REDUCED LENS-	(33) France
11.02.2021	PACKAGE INTERACTIONS AND	(51) A45D 40/00
(22) 06.08.2019	ANTICOUNTERFEITING MEASURE	A45D 37/00
(54) INJECTION-MOLDED ARTICLE AND	(73) Johnson & Johnson Vision Care Inc.	B65D 81/32
SHOES	(72) Gourd, Dominic	(11) EP3641590
(73) ASICS Corporation	Kernick, Edward	(21) EP18748990.1
(72) SAWADA, Daisuke	Higginbottom, Sydney	(47) 13.04.2022
(51) A43B 13/12	Barre, Vincent	(87) FR2018051517
A43B 13/20	Voss, Leslie	27.12.2018
A43B 13/22	McGrath, John	(22) 22.06.2018
(11) EP3669687	(31) 201715612090	(54) PAIR OF CAPSULES ASSEMBLED
(21) EP20155669.3	(32) 02.06.2017	TOGETHER AND RESPECTIVELY
(47) 13.04.2022	(33) United States of America	COMPRISING TWO DIFFERENT
(22) 15.03.2017	(51) A45C 13/30	PHASES TO BE MIXED
(54) SOLE STRUCTURE FOR ARTICLE OF	A45F 5/12	(73) LABORATOIRES M&L
FOOTWEAR	(11) EP3804556	(72) LE GRAND, Olivier
(73) NIKE Innovate C.V.	(21) EP20201081.5	DE BRUGIERE, Philippe
(72) DOJAN, Frederick J.	(47) 13.04.2022	(31) 1755749
HENRICHOT, Olivier	(22) 09.10.2020	(32) 23.06.2017
PEYTON, Lee D.	(54) TRAVEL STRAP SYSTEM	(33) France
LINDNER, Troy C.	(73) Lavoie, Sylvie Cecile	(51) A46B 11/00
CONNELL, Jeremy L.	(72) Lavoie, Sylvie Cecile	(11) EP3169186
(31) 201662308819 P	(31) 201916596884	(21) EP14755549.4
(32) 15.03.2016	(32) 09.10.2019	(47) 13.04.2022
(33) United States of America	(33) United States of America	(87) US2014051121
	(51) A45D 8/20	18.02.2016

(22) 14.08.2014	A47C 7/74	(87) IT2020050053
(54) ORAL CARE SYSTEM AND METHOD	A47C 27/15	10.09.2020
(73) Colgate-Palmolive Company	B60H 1/00	(22) 06.03.2020
(72) MOSKOVICH, Robert	B60N 2/56	(54) PAPER STRAW
KOLB, Matthew Lee	(11) EP3520653	(73) I.M.A. Industria Macchine Automatiche S.p.A.
(51) A47B 21/03	(21) EP17855560.3	(72) DRAGHETTI, Fiorenzo
F16M 11/24	(47) 13.04.2022	(31) 201900006310
F16M 13/02	(87) JP2017031393	201900003245
F16M 11/10	05.04.2018	(32) 24.04.2019
(11) EP3205234	(22) 31.08.2017	06.03.2019
(21) EP17157991.5	(54) SEAT	(33) Italy
(47) 13.04.2022	(73) TS Tech Co., Ltd.	Italy
(22) 26.07.2011	(72) OKIMURA, Atsushi	
(54) DISPLAY POSITIONING APPARATUS AND METHOD	TANIGUCHI, Hiromi	(51) A47G 25/14
(73) Ergotron, Inc.	IZAWA, Hiroshi	(11) EP3709848
(72) SEGAR, Peter	NAKANO, Yuji	(21) EP18795615.6
FLUHRER, Robert, W.	NISHII, Wataru	(47) 13.04.2022
ERGUN, Mustafa, A.	KONNO, Tatsumi	(87) EP2018079740
TRISH, Scott	(31) 2016193304	23.05.2019
HAZZARD, Joel	2016193299	(22) 30.10.2018
THEIS, John	(32) 30.09.2016	(54) DEVICE FOR HANGING AN ARTICLE ON A DISPLAY STAND, AND COMPUTER SYSTEM FOR MANAGING A STOCK OF ARTICLES
(31) 412456 P	30.09.2016	(73) Societe Anonyme des Galeries Lafayette
369430 P	(33) Japan	(72) TUDOSESCU, Ramona
369392 P	Japan	(31) 1760892
(32) 11.11.2010	(51) A47F 5/00	(32) 17.11.2017
30.07.2010	(11) EP3764846	(33) France
30.07.2010	(21) EP19703297.2	
(33) United States of America	(47) 13.04.2022	(51) A47J 31/20
United States of America	(87) EP2019052611	A47J 31/36
United States of America	19.09.2019	A47J 31/38
(51) A47B 91/08	(22) 04.02.2019	A47J 31/44
A47B 97/00	(54) SUPPLY ELEMENT	A47J 31/46
(11) EP3888497	(73) REHAU Industries SE & Co. KG	(11) EP3678519
(21) EP20206979.5	(72) GOLDSTEIN, Jörg	(21) EP18853228.7
(47) 13.04.2022	THANHOFFER, Raphael	(47) 13.04.2022
(22) 11.11.2020	(31) 202018101374 U	(87) US2018049536
(54) DEVICE FOR FIXING A PIECE OF FURNITURE TO A BASE AND METHOD FOR FIXING A FURNITURE BODY TO A BASE	(32) 12.03.2018	14.03.2019
(73) Nobilia-Werke J. Stickling GmbH & Co. KG	(33) Germany	(22) 05.09.2018
(72) SPECHT, Daniel	(51) A47F 5/08	(54) COMMERCIAL FRENCH PRESS COFFEE BREWING AND DISPENSING SYSTEM
(31) 102020109404	G09F 3/20	(73) Spitzley, Julie K.
PCT/EP2020/074748	H01R 25/14	(72) Spitzley, Julie K.
(32) 03.04.2020	(11) EP3609369	(31) 201762554241 P
04.09.2020	(21) EP18717321.6	(32) 05.09.2017
(33) Germany	(47) 13.04.2022	(33) United States of America
World Intellectual Property Office (WIPO)	(87) EP2018058982	
(51) A47B 96/20	18.10.2018	(51) A47J 31/40
(11) EP3735154	(22) 09.04.2018	A47J 31/36
(21) EP19700129.0	(54) SYSTEM FOR POWERING MULTIPLE ELECTRONIC DISPLAY DEVICES FOR DISPLAYING PRODUCT-RELATED INFORMATION, AND GOODS PRESENTATION SYSTEM	A47J 31/44
(47) 13.04.2022	(73) REHAU Industries SE & Co. KG	A47J 31/52
(87) EP2019050091	(72) FRITZLAR, Holger	B65D 85/804
11.07.2019	EIBL, Stefan	(11) EP3413764
(22) 03.01.2019	NIEHOFF, Ansgar	(21) EP17749829.2
(54) ARRANGEMENT OF A FURNITURE FITTING AND A GLASS ELEMENT HELD BY SAME AND OPERATING METHOD FOR AN ARRANGEMENT OF THIS KIND	GOLDSTEIN, Jörg	(47) 13.04.2022
(73) Hettich Holding GmbH & Co. oHG	SCHMIDT, Steven	(87) AU2017050106
(72) ANDSCHUS, Stefan	MICHEL, Peter	17.08.2017
(31) 102018100207	BÜHLMAYER, Christian	(22) 10.02.2017
(32) 05.01.2018	(31) 102017107942	(54) METHOD AND MACHINE FOR PREPARING INFANT MILK FORMULA
(33) Germany	(32) 12.04.2017	(73) Airflo Distributors Pty Ltd
(51) A47C 27/00	(33) Germany	(72) DELEO, Joseph
	(51) A47G 21/18	(31) 2016900469
	A47G 21/14	(32) 11.02.2016
	(11) EP3764848	(33) Australia
	(21) EP20716960.8	
	(47) 13.04.2022	(51) A47J 31/40
		A47J 31/44

A47J 31/36	SEURAT, Frédéric	(51) A47L 9/04
(11) EP3373780	SARTOUT, Pierre	(11) EP3766398
(21) EP16865064.6	(31) 1759688	(21) EP19187459.3
(47) 13.04.2022	(32) 16.10.2017	(47) 13.04.2022
(87) US2016061493	(33) France	(22) 19.07.2019
18.05.2017	(51) A47J 43/07	(54) BRUSH ROLLER BAR FOR A
(22) 11.11.2016	B26D 5/00	CLEANING DEVICE
(54) SYSTEM FOR MIXING AND	B26D 1/02	(73) BSH Hausgeräte GmbH
DISPENSING A BEVERAGE	B26D 7/24	(72) Schmitt, Florian
(73) Fantappie, Giancarlo	B26D 1/147	Andrejco, Rastislav
(72) Fantappie, Giancarlo	B26D 1/29	Back, Michael
(31) 201514939621	B26D 3/22	Volk, Tobias
(32) 12.11.2015	B26D 3/18	(51) A47L 9/16
(33) United States of America	B26D 7/26	A47L 9/14
(51) A47J 31/52	(11) EP2863782	A47L 9/00
(11) EP3413767	(21) EP13806711.1	(11) EP3236828
(21) EP17703449.3	(47) 13.04.2022	(21) EP15781992.1
(47) 13.04.2022	(87) SE2013050706	(47) 13.04.2022
(87) EP2017053018	27.12.2013	(87) GB2015052808
17.08.2017	(22) 17.06.2013	30.06.2016
(22) 10.02.2017	(54) DEVICE FOR MUTUALLY	(22) 28.09.2015
(54) BEVERAGE PREPARATION SYSTEM	POSITIONING TOOLS IN A CUTTING	(54) SURFACE CLEANING APPARATUS
(73) Tchibo (Schweiz) AG	MACHINE FOR VEGETABLES	(73) Techtronic Industries Co. Ltd.
(72) HARTMANN, Doreen	(73) AB Hälde Maskiner	(72) HOLMES, Darren David
ECKELT, Nils	(72) NYMAN, Thomas	WILSON, May
GÖDDE, Wolfgang	ARTURSSON, Henrik	CARTER, Daniel William
(31) 16155563	(31) 1250670	MCGOVERN, Francis
(32) 12.02.2016	(32) 21.06.2012	HARRIES, Thomas Robert
(33) European Patent Office (EPO)	(33) Sweden	POUGHER, Simon Matthew
(51) A47J 37/06	(51) A47J 45/06	(31) 201423137
(11) EP3207840	A47J 45/07	(32) 23.12.2014
(21) EP17155715.0	(11) EP3672462	(33) United Kingdom
(47) 13.04.2022	(21) EP18848755.7	(51) A47L 9/28
(22) 10.02.2017	(47) 13.04.2022	(11) EP3187081
(54) AIR-FLOW COOKING APPLIANCE	(87) US2018047799	(21) EP15835931.5
(73) SEB S.A.	28.02.2019	(47) 13.04.2022
(72) Delrue, Olivier	(22) 23.08.2018	(87) JP2015073512
Bizard, Jean-Claude	(54) REMOVABLE COOKWARE HANDLE	03.03.2016
Cornu, Jérémy	(73) Columbia Insurance Company	(22) 21.08.2015
(31) 1651436	(72) BUCKLEW, William A.	(54) ELECTRIC CLEANER
(32) 22.02.2016	MASTROIANNI, Michael R.	(73) Toshiba Lifestyle Products & Services
(33) France	(31) 102017214843	Corporation
(51) A47J 37/08	201862625193 P	(72) MARUTANI, Yuuki
H05B 1/02	(32) 24.08.2017	FURUTA, Kazuhiro
(11) EP3102077	01.02.2018	IZAWA, Hirokazu
(21) EP15703803.5	(33) Germany	TAKAHASHI, Yuki
(47) 13.04.2022	United States of America	WATANABE, Kota
(87) GB2015000049	(51) A47K 10/16	(31) 2014174321
13.08.2015	A61K 8/35	(32) 28.08.2014
(22) 06.02.2015	A61Q 17/00	(33) Japan
(54) TOASTER	A61Q 19/00	(51) A47L 11/24
(73) Gort-Barten, Leslie	A61Q 19/08	G05D 1/02
(72) Gort-Barten, Leslie	C11D 3/386	(11) EP3552532
(31) 201402187	C11D 17/04	(21) EP18790839.7
(32) 07.02.2014	D06M 16/00	(47) 13.04.2022
(33) United Kingdom	(11) EP3494850	(87) CN2018073881
(51) A47J 37/12	(21) EP18210893.6	01.11.2018
(11) EP3697276	(47) 13.04.2022	(22) 23.01.2018
(21) EP18803737.8	(22) 06.12.2018	(54) METHOD FOR ANGLE CORRECTION
(47) 13.04.2022	(54) WET WIPE WITH	OF MOBILE ROBOT IN WORKING
(87) FR2018052545	HYDROXYACETOPHENON	AREA AND MOBILE ROBOT
25.04.2019	(73) Dr. Schumacher GmbH	(73) Guangdong Bona Robot Corporation
(22) 12.10.2018	(72) NIELSEN, Jens	Limited
(54) ELECTRICAL COOKING APPLIANCE	BALLEZ, Mike	(72) YANG, Kai
HAVING A DRAINING SUPPORT WITH	SCHUMACHER, Sönke	ZHENG, Zhuobin
A LID	(31) 102017129498	LIU, Haoxin
(73) SEB S.A.	(32) 11.12.2017	DING, Huang
(72) DIRAND, Pascal	(33) Germany	(31) 201710269782

(32) 24.04.2017	(72) CUIJPERS, Rudolf	ASQUINI, Antonio
(33) China	(31) 102019111633	CESCOT, Paolo
(51) A47L 11/34	(32) 06.05.2019	SALTON, Fabrizio
A47L 11/03	(33) Germany	
A47L 11/292	(51) A47L 13/17	(51) A47L 15/44
A47L 11/30	D21H 11/18	(11) EP3558085
A47L 11/40	D21H 19/10	(21) EP17816644.3
A47L 9/04	D21H 17/25	(47) 13.04.2022
(11) EP3110300	D21H 17/26	(87) EP2017081859
(21) EP15754857.9	D21H 17/63	28.06.2018
(47) 13.04.2022	D21H 19/34	(22) 07.12.2017
(87) US2015015756	D21H 27/00	(54) PERFUMING AND/OR DEODORISING
03.09.2015	(11) EP3505038	A CLEANING DEVICE
(22) 13.02.2015	(21) EP17843134.2	(73) Henkel AG & Co. KGaA
(54) LIQUID EXTRACTION CLEANING	(47) 13.04.2022	(72) MÜLLER, Alexander
DEVICE	(87) JP2017019157	ZIPFEL, Johannes
(73) Rug Doctor, LLC	01.03.2018	KESSLER, Arnd
(72) TILK, Jason	(22) 23.05.2017	WEBER, Thomas
SPIRK, Evan	(54) WATER-DISINTEGRABLE SHEET AND	WICK, Wolfgang
HAUG, Walter	METHOD FOR PRODUCING WATER-	NITSCH, Christian
LE, Phuong	DISINTEGRABLE SHEET	FRANKE, Nadine
SAUNDERS, Craig	(73) Daio Paper Corporation	ZÜCHNER, Lars
OSTENDORF, Charles Michael	(72) YAMAZAKI, Kosuke	WAWER, Georg
HILL, Jason Edward	(31) 2016165530	(31) 102016225838
TUFTS, Lindsey	(32) 26.08.2016	(32) 21.12.2016
STEPHENS, Paul	(33) Japan	(33) Germany
LAU, Vincent	(51) A47L 13/20	(51) A61B 1/00
MORROW, Ann Marie	A47L 13/58	A61B 90/90
CHAVANA, JR. Ernest Matthew	(11) EP3288435	G06F 21/44
PEREIRA, Schubert	(21) EP16789815.4	(11) EP3420879
WALL, Timothy	(47) 13.04.2022	(21) EP18000488.9
(31) 201461946443 P	(87) US2016030017	(47) 13.04.2022
(32) 28.02.2014	10.11.2016	(22) 01.06.2018
(33) United States of America	(22) 29.04.2016	(54) IDENTIFICATION APPARATUS
(51) A47L 11/40	(54) MOP BUCKET	WITH CONNECTORS AND
(11) EP3284383	(73) Ecolab USA Inc.	WITH AN OPTICAL SIGNAL
(21) EP17184154.7	(72) BALZ, Eric	MODIFICATION ARRANGEMENT AND
(47) 13.04.2022	GINGRAS, Eric	AN IDENTIFICATION METHOD
(22) 01.08.2017	VAN LANDINGHAM, JR., Alfred Reneau	(73) Karl Storz Imaging, Inc.
(54) WET CLEANING APPARATUS AND	LATIMER, Scott	(72) Sanandajifar, Joseph
BASE STATION THEREFOR WITH A	(31) 201562155772 P	(31) 201715614483
DIRTY LIQUID TANK, AND METHOD	(32) 01.05.2015	(32) 05.06.2017
FOR OPERATING A BASE STATION	(33) United States of America	(33) United States of America
(73) Vorwerk & Co. Interholding GmbH	(51) A47L 13/255	(51) A61B 3/00
(72) Zabback, Iris	(11) EP3624661	A61B 3/10
Liß, Raphael	(21) EP18700407.2	A61B 3/107
Blum, Mikel	(47) 13.04.2022	(11) EP3050496
Schmidt, Dirk	(87) EP2018050610	(21) EP16153237.9
Brede, Maike	22.11.2018	(47) 13.04.2022
Hahn, Pia	(22) 11.01.2018	(22) 28.01.2016
Schweppe, Sabine	(54) MOP HEAD, AND MOP COMPRISING	(54) OPHTHALMOLOGICAL DEVICE
Arnold, Hans-Peter	THE MOP HEAD	(73) Tomey Corporation
Windorfer, Harald	(73) Carl Freudenberg KG	(72) NOZAWA, Yuji
Jentsch, Jochen	(72) THYSON, Diana	KATO, Chihiro
Schönhoff, Helmut	KHOM, Michal	OKAMOTO, Keiichiro
(31) 102016115320	(31) 102017004809	(31) 2015015950
(32) 18.08.2016	(32) 19.05.2017	(32) 29.01.2015
(33) Germany	(33) Germany	(33) Japan
(51) A47L 13/16	(51) A47L 15/24	(51) A61B 3/107
(11) EP3750468	A47L 15/42	(11) EP3585245
(21) EP20164474.7	A47L 15/48	(21) EP18710773.5
(47) 13.04.2022	(11) EP3257422	(47) 13.04.2022
(22) 20.03.2020	(21) EP16175065.8	(87) EP2018054204
(54) CLEANING DEVICE FOR MANUAL	(47) 13.04.2022	30.08.2018
CLEANING OF A TARGET SURFACE	(22) 17.06.2016	(22) 21.02.2018
AND METHOD FOR MANUFACTURING	(54) DISHWASHING MACHINE	(54) METHOD AND ARRANGEMENT FOR
A CLEANING ELEMENT	(73) Electrolux Professional S.p.A.	HIGH-RESOLUTION TOPOGRAPHY OF
(73) RC-Cuijpers GmbH	(72) VIGNOCCHI, Massimiliano	THE CORNEA OF AN EYE
		(73) Carl Zeiss Meditec AG

(72) BUBLITZ, Daniel	06.06.2013	(32) 10.05.2016
(31) 102017203010	20.03.2013	(33) United Kingdom
(32) 24.02.2017	11.03.2013	(51) A61B 5/05
(33) Germany	24.01.2013	A61B 5/00
(51) A61B 5/00	(33) United States of America	(11) EP3846687
(11) EP3481457	United States of America	(21) EP19759379.1
(21) EP17745251.3	United States of America	(47) 13.04.2022
(47) 13.04.2022	United States of America	(87) EP2019072896
(87) EP2017000803	United States of America	12.03.2020
11.01.2018	United States of America	(22) 28.08.2019
(22) 07.07.2017	United States of America	(54) INDUCTIVE SENSING DEVICE AND METHOD
(54) METHOD AND SYSTEM WITH A SMARTPHONE FOR DETECTING SYMPTOMS OF PERITONITIS	(51) A61B 5/01	(73) Koninklijke Philips N.V.
(73) Fresenius Medical Care Deutschland GmbH	B63C 11/32	(72) DOODEMAN, Gerardus Johannes Nicolaas
(72) WÜPPER, Andreas	A61B 5/00	BEZEMER, Rick
MOISSEL, Ulrich	A61B 5/024	LEIJSEN, Jacobus Josephus
(31) 102016008332	A61B 5/0205	GROSFELD, Ronny Hubertus Johannes
(32) 07.07.2016	B63C 11/02	PEETERS, Wouter Herman
(33) Germany	(11) EP2925215	KLEIJNEN, Mark Peter Paul
(51) A61B 5/00	(21) EP13858481.8	(31) 18192484
A61B 5/0245	(47) 13.04.2022	(32) 04.09.2018
A61B 5/053	(87) US2013072039	(33) European Patent Office (EPO)
A61B 5/06	05.06.2014	(51) A61B 5/07
A61B 5/0538	(22) 26.11.2013	A61B 5/03
A61B 5/287	(54) WIRELESS SKIN TEMPERATURE MEASUREMENTS IN DIVING	A61B 5/00
A61B 5/318	(73) Johnson Outdoors Inc.	A61B 5/01
A61B 5/339	(72) TIIRA, Jari, M. A.	A61B 5/11
A61B 5/349	HOLOPAINEN, Reima K.	A01K 11/00
(11) EP3651636	(31) 201314075629	(11) EP3389489
(21) EP18753489.6	201261731140 P	(21) EP16826019.8
(47) 13.04.2022	(32) 08.11.2013	(47) 13.04.2022
(87) US2018041852	29.11.2012	(87) EP2016081622
21.03.2019	(33) United States of America	22.06.2017
(22) 12.07.2018	United States of America	(22) 16.12.2016
(54) SYSTEM AND METHOD FOR SORTING ELECTROPHYSIOLOGICAL SIGNALS FROM MULTI-DIMENSIONAL CATHETERS	(51) A61B 5/022	(54) DEVICE FOR MEASURING THE GASTRIC PRESSURE AND THE GASTRIC MOTILITY OF A LIVESTOCK ANIMAL
(73) St. Jude Medical, Cardiology Division, Inc.	A61B 5/021	(73) Dropnostix GmbH
(72) OLSON, Eric, S.	(11) EP2823758	(72) BREITENSTEIN, Michael
(31) 201762559753 P	(21) EP13758330.8	(31) 102015122293
(32) 18.09.2017	(47) 13.04.2022	(32) 18.12.2015
(33) United States of America	(87) JP2013056037	(33) Germany
(51) A61B 5/00	12.09.2013	(51) A61B 5/11
A61B 6/00	(22) 05.03.2013	G01P 13/00
G01T 1/161	(54) AUTOMATIC BLOOD PRESSURE MEASUREMENT DEVICE	(11) EP3399912
(11) EP2948045	(73) A & D Company, Limited	(21) EP17735774.6
(21) EP14743288.4	(72) SATA, Kazuya	(47) 13.04.2022
(47) 13.04.2022	NISHIBAYASHI, Hideo	(87) AU2017050015
(87) IL2014050086	(31) 2012049799	13.07.2017
31.07.2014	(32) 06.03.2012	(22) 09.01.2017
(22) 24.01.2014	(33) Japan	(54) SYSTEM AND METHOD FOR ASSESSING SLEEP STATE
(54) BODY STRUCTURE IMAGING	(51) A61B 5/024	(73) Global Kinetics Pty Ltd
(73) Tylerton International Holdings Inc.	A61B 5/08	(72) HORNE, Malcolm Kenneth
(72) BEN-HAIM, Shlomo	(11) EP3454730	(31) 2016900036
(31) 201361875070 P	(21) EP17723487.9	(32) 07.01.2016
201361875074 P	(47) 13.04.2022	(33) Australia
201361875069 P	(87) GB2017051261	(51) A61B 5/1495
201361831664 P	16.11.2017	A61B 5/145
201361803611 P	(22) 05.05.2017	G01N 27/327
201361776599 P	(54) SYSTEM FOR DETERMINING THE FREQUENCY OF A PERIODIC PHYSIOLOGICAL PROCESS OF A SUBJECT	(11) EP3207872
201361756112 P	(73) Oxford University Innovation Ltd.	(21) EP17156951.0
(32) 08.09.2013	(72) PIMENTEL, Marco	(47) 13.04.2022
08.09.2013	BIRRENKOTT, Drew	(22) 08.08.2007
08.09.2013	TARASSENKO, Lionel	(54) METHOD AND SYSTEM FOR PROVIDING CALIBRATION OF AN
	CLIFTON, David Andrew	
	(31) 201608170	

ANALYTE SENSOR IN AN ANALYTE MONITORING SYSTEM	09.06.2009	KNOWLAND, Joshua, G.
(73) Abbott Diabetes Care, Inc.	(33) United States of America	LATTANZE, Ronald, K.
(72) Mazza, John	United States of America	(31) 201313840925
Zhang, Songbiao	(51) A61B 6/00	(32) 15.03.2013
Hayter, Gary Alan	A61B 6/03	(33) United States of America
Budiman, Erwin Satrya	(11) EP3843634	(51) A61B 6/00
Doniger, Kenneth	(21) EP19758756.1	G21K 1/02
(31) 463582	(47) 13.04.2022	(11) EP3860462
(32) 09.08.2006	(87) EP2019072993	(21) EP19773103.7
(33) United States of America	05.03.2020	(47) 13.04.2022
(51) A61B 5/24	(22) 28.08.2019	(87) EP2019075974
A61B 5/349	(54) SPECTRAL DUAL-LAYER CT-GUIDED	09.04.2020
A61B 5/366	INTERVENTIONS	(22) 26.09.2019
A61B 5/02	(73) Koninklijke Philips N.V.	(54) ADAPTIVE ANTI-SCATTER DEVICE
A61B 5/30	(72) FINGERLE, Alexander, André	(73) Koninklijke Philips N.V.
(11) EP2869759	PROKSA, Roland	(72) VAN DER STERREN, William Edward
(21) EP13812578.6	(31) 18191114	Peter
(47) 13.04.2022	(32) 28.08.2018	ELENBAAS, Thijs
(87) IL2013050502	(33) European Patent Office (EPO)	OLIVAN BESCOS, Javier
09.01.2014	(51) A61B 6/00	DEN HARTOG, Markus Johannes
(22) 12.06.2013	A61B 6/03	Harmen
(54) APPARATUS FOR DETECTING	A61B 6/04	RUIJTERS, Daniël Simon Anna
MYOCARDIAL ISCHEMIA	A61N 5/10	VOGTMEIER, Gereon
USING ANALYSIS OF HIGH	(11) EP2663234	(31) 18198702
FREQUENCY COMPONENTS OF AN	(21) EP12701266.4	(32) 04.10.2018
ELECTROCARDIOGRAM	(47) 13.04.2022	(33) European Patent Office (EPO)
(73) BSP BIOLOGICAL SIGNAL	(87) IB2012050133	(51) A61B 8/08
PROCESSING LTD.	19.07.2012	A61B 8/00
(72) BEN-DAVID, Tamir	(22) 11.01.2012	(11) EP3866698
TOLEDO, Eran	(54) 4D CONTRAST ENHANCED	(21) EP19783555.6
GRANOT, Yair	COMPUTED TOMOGRAPHY (CT)	(47) 13.04.2022
AMIT, Guy	(73) Koninklijke Philips N.V.	(87) EP2019077752
LURIA, Oded	(72) SHAH, Ekta Dhawal	23.04.2020
(31) 201213552712	POHLMAN, Scott Kenneth	(22) 14.10.2019
201261667482 P	KLahr, Paul Harvey	(54) SYSTEMS AND METHODS FOR
(32) 19.07.2012	LUHTA, Randall Peter	GUIDING THE ACQUISITION OF AN
03.07.2012	(31) 201161432906 P	ULTRASOUND IMAGE
(33) United States of America	(32) 14.01.2011	(73) Koninklijke Philips N.V.
United States of America	(33) United States of America	(72) LEFEVRE, Thierry
(51) A61B 5/291	(51) A61B 6/00	CIOFLO-VEIT, Cybèle
A61B 5/296	F16M 11/08	KLINDER, Tobias
A61B 5/25	F16M 11/20	ROUET, Laurence
(11) EP3788954	G02B 6/36	SCHADEWALDT, Nicole
(21) EP19195872.7	(11) EP3461409	RAYNAUD, Caroline, Denise, Francoise
(47) 13.04.2022	(21) EP17193933.3	SCHMIDT-RICHBERG, Alexander
(22) 06.09.2019	(47) 13.04.2022	LORENZ, Cristian
(54) LAYER STRUCTURE WITH LOCAL	(22) 29.09.2017	(31) 18290118
RESERVOIR	(54) SEPARABLE INFINITE ROTATION	(32) 15.10.2018
(73) SmartMedics Sp. z o.o.	FIBER OPTIC AND SLIP RING ROTARY	(33) European Patent Office (EPO)
(72) Koltowski, Lukasz	JOINT FOR SUSPENSION ARM	(51) A61B 8/08
Maciejewski, Adrian	(73) Stryker Corporation	A61B 17/34
Wróblewski, Grzegorz	(72) Chase, David	(11) EP2961255
(51) A61B 5/388	Tockweiler, Udo	(21) EP13876155.6
(11) EP2440125	Boccoleri, Gianni	(47) 13.04.2022
(21) EP10786543.8	Reiser, Frank	(87) US2013077917
(47) 13.04.2022	(51) A61B 6/00	04.09.2014
(87) US2010034076	G01T 1/161	(22) 27.12.2013
16.12.2010	(11) EP2967465	(54) HANDHELD ULTRASOUND IMAGING
(22) 07.05.2010	(21) EP13877838.6	DEVICE COMPRISING A MARKING
(54) APPARATUS FOR AUTOMATICALLY	(47) 13.04.2022	UNIT
DETECTING POSITIONING EFFECT	(87) US2013072255	(73) Rivanna Medical, Inc.
(73) Safeop Surgical, Inc.	18.09.2014	(72) MAULDIN, Frank, William
(72) O'BRIEN, Richard, A.	(22) 27.11.2013	OWEN, Kevin
JOHNSON, Samuel	(54) SYSTEM FOR THE DETECTION	FERRIS, Bruce
(31) 620384	OF GAMMA RADIATION FROM A	MURRAY, Christopher
185441 P	RADIOACTIVE ANALYTE	(31) 201361770448 P
(32) 17.11.2009	(73) Lucerno Dynamics, LLC	(32) 28.02.2013
	(72) SCARANTINO, Charles, W.	(33) United States of America

(51) A61B 10/00 A61B 10/02 A61B 17/3205 A61B 17/32 A61B 17/00 (11) EP3043719 (21) EP14844349.2 (47) 13.04.2022 (87) US2014055190 19.03.2015 (22) 11.09.2014 (54) TISSUE CORING BIOPSY DEVICES (73) Transmed7, LLC (72) VETTER, James W. CLARK, Daniel E. VETTER, Alisen E. VETTER, Eugene H. (31) 201361876977 P (32) 12.09.2013 (33) United States of America	(54) SUTURE DELIVERY TOOLS FOR ENDOSCOPIC AND ROBOT-ASSISTED SURGERY (73) Cilag GmbH International (72) AVELAR, Rui NAIMAGON, Alexander DRUBETSKY, Lev (31) 354009 P (32) 11.06.2010 (33) United States of America	A61B 17/29 A61B 17/00 A61B 90/00 (11) EP3338680 (21) EP17209443.5 (47) 13.04.2022 (22) 21.12.2017 (54) FIRING ASSEMBLY COMPRISING A MULTIPLE FAILED-STATE FUSE (73) Ethicon LLC (72) SHELTON, IV, Frederick E. HARRIS, Jason L. BAKOS, Gregory J. (31) 201615385909 (32) 21.12.2016 (33) United States of America
(51) A61B 17/02 (11) EP3261555 (21) EP16756244.6 (47) 13.04.2022 (87) US2016019265 01.09.2016 (22) 24.02.2016 (54) SURGICAL RETRACTOR SYSTEMS (73) Globus Medical, Inc. (72) FRIEDRICH, Adam KARPOWICZ, Edward KOHLER, Matthew CRYDER, Joel (31) 201514719357 201514630684 (32) 22.05.2015 25.02.2015 (33) United States of America United States of America	(51) A61B 17/062 A61B 17/06 (11) EP3801292 (21) EP19726655.4 (47) 13.04.2022 (87) EP2019063309 28.11.2019 (22) 23.05.2019 (54) SUTURING DEVICE (73) Suturion AB (72) CHRISTENSSON, Mats NORENSTAM, Rickard BÖRNER, Gabriel (31) 1850630 (32) 25.05.2018 (33) Sweden	(51) A61B 17/072 A61B 18/14 A61B 17/00 (11) EP3420939 (21) EP17209364.3 (47) 13.04.2022 (22) 21.12.2017 (54) SURGICAL SYSTEM COUPLEABLE WITH STAPLE CARTRIDGE AND RADIO FREQUENCY CARTRIDGE, AND HAVING A PLURALITY OF RADIO- FREQUENCY ENERGY RETURN PATHS (73) Ethicon LLC (72) SHELTON, IV, Frederick E. MESSERLY, Jeffrey D. YATES, David C. (31) 201715636134 (32) 28.06.2017 (33) United States of America
(51) A61B 17/04 A61B 17/06 (11) EP2369999 (21) EP09764137.7 (47) 13.04.2022 (87) US2009065516 03.06.2010 (22) 23.11.2009 (54) TISSUE REPAIR DEVICE (73) Smith & Nephew, Inc. (72) DAVIS, William BOURQUE, Bernard, J. FREEDMAN, Scott (31) 255995 P 166907 P 117987 P (32) 29.10.2009 06.04.2009 26.11.2008 (33) United States of America United States of America United States of America	(51) A61B 17/068 A61B 17/072 (11) EP2959841 (21) EP15173807.7 (47) 13.04.2022 (22) 25.06.2015 (54) ADAPTER ASSEMBLY FOR INTERCONNECTING ELECTROMECHANICAL SURGICAL DEVICES AND SURGICAL LOADING UNITS, AND SURGICAL SYSTEMS THEREOF (73) Covidien LP (72) SUBRAMANIAN, Anand CHOWANIEC, David M. WILLIAMS, Ryan ZERGIEBEL, Earl M. (31) 201514700917 201462017510 P (32) 30.04.2015 26.06.2014 (33) United States of America United States of America	(51) A61B 17/225 A61B 34/20 A61B 8/00 (11) EP3047809 (21) EP16152465.7 (47) 13.04.2022 (22) 22.01.2016 (54) EXTRACORPOREAL SHOCK WAVE LITHOTRIPSY SYSTEM HAVING OFF- LINE ULTRASOUND LOCALIZATION (73) STORZ MEDICAL AG (72) Hagelauer, Ulrich Novak, Pavel Heine, Gerold Stumm, Alexander Keil, Christina Koch, Axel Görner, Georg Kühl, Arvid Gleibe, Olaf (31) 15152381 (32) 23.01.2015 (33) European Patent Office (EPO)
(51) A61B 17/06 A61B 17/04 A61B 34/30 (11) EP3155978 (21) EP16201158.9 (47) 13.04.2022 (22) 10.06.2011	(51) A61B 17/072 A61B 17/28 A61B 34/30 A61B 90/94 A61B 18/14	(51) A61B 17/29 A61B 34/30 A61B 34/00 (11) EP3525710 (21) EP17783982.6 (47) 13.04.2022 (87) GB2017053038 19.04.2018 (22) 06.10.2017

(54) DRIVING ARRANGEMENT FOR ARTICULATING A SURGICAL INSTRUMENT	(51) A61B 17/32	(87) US2012023413
(73) CMR Surgical Limited	A61B 17/3203	16.08.2012
(72) LODGE, Archie John Ralph	A61B 17/3207	(22) 31.01.2012
HENRYWOOD, Ross Hamilton	A61B 17/22	(54) MULTI-AXIAL PEDICLE FIXATION ASSEMBLY
CHAPLIN, Ben Robert	A61B 17/00	(73) Orthofix US LLC
(31) 201617448	A61M 1/00	(72) LOVELL, John
(32) 14.10.2016	(11) EP2187815	TERMYNA, Stephen
(33) United Kingdom	(21) EP08871986.9	(31) 201113026204
(51) A61B 17/32	(47) 13.04.2022	(32) 11.02.2011
A61B 17/00	(87) US2008073171	(33) United States of America
A61B 17/29	06.08.2009	(51) A61B 17/64
A61B 90/00	(22) 14.08.2008	(11) EP3313307
(11) EP3361968	(54) THROMBECTOMY AND SOFT DEBRIS REMOVAL DEVICE	(21) EP16722244.7
(21) EP16784673.2	(73) THE SPECTRANETICS CORPORATION	(47) 13.04.2022
(47) 13.04.2022	(72) EBERHART, Mark	(87) EP2016060841
(87) US2016055923	EVANS, Douglas, G.	05.01.2017
20.04.2017	SAURO, Dennis, M.	(22) 13.05.2016
(22) 07.10.2016	FISHER, William T.	(54) DYNAMIC EXTERNAL ATTACHMENT DEVICE FOR OSTEOSYNTHESIS
(54) ULTRASONIC SURGICAL INSTRUMENT WITH REMOVABLE SHAFT ASSEMBLY PORTION	NASH, John, E.	(73) GEXFIX SA
(73) Ethicon LLC	WALTERS, Greg	(72) MARLETTA, Filadelfio
(72) MILLER, Matthew C.	(31) 871908	LIU, Kun
ORTIZ, Rafael J. Ruiz	(32) 12.10.2007	PERRET, Jean-Pierre
GENTRY, Ellen	(33) United States of America	VAN AAKEN, Jan
CORBIN, Matthew S.	(51) A61B 17/32	(31) 1556079
CONLON, Sean P.	A61B 90/00	(32) 29.06.2015
(31) 201662329381 P	A61B 17/29	(33) France
201562263102 P	(11) EP3492028	(51) A61B 17/70
201562242440 P	(21) EP19152646.6	A61B 17/80
(32) 29.04.2016	(47) 13.04.2022	A61F 2/44
04.12.2015	(22) 13.07.2015	A61F 2/46
16.10.2015	(54) ACTUATION MECHANISMS AND LOAD ADJUSTMENT ASSEMBLIES FOR SURGICAL INSTRUMENTS	A61F 2/30
(33) United States of America	(73) Ethicon LLC	(11) EP3747381
United States of America	(72) GEE, Jacob S.	(21) EP19198270.1
United States of America	RIESTENBERG, Paul F.	(47) 13.04.2022
(51) A61B 17/32	BATROSS, Jonathan T.	(22) 19.09.2019
A61B 17/28	MONROE, David A.	(54) SPINAL FIXATION DEVICE
A61B 18/14	DICKERSON, Benjamin D.	(73) Kyungpook National University Industry-Academic Cooperation Foundation
(11) EP3701889	FALLER, Craig N.	(72) KIM, Kyoung Tae
(21) EP20163273.4	MESSERLY, Jeffrey D.	(31) 20190065581
(47) 13.04.2022	(31) 201414448430	(32) 03.06.2019
(22) 16.11.2017	(32) 31.07.2014	(33) Korea (Republic)
(54) INSTRUMENT FOR FORMING WAVEGUIDE SEAL	(33) United States of America	(51) A61B 17/86
(73) Ethicon LLC	(51) A61B 17/34	A61B 17/80
(72) ZECKEL, Monica L.	A61B 17/22	(11) EP3572020
HOLLAND, Timothy S.	A61B 17/30	(21) EP19174971.2
GU, Qinlin	A61M 60/148	(47) 13.04.2022
DENZINGER, Kristen G.	A61B 17/00	(22) 16.05.2019
MINNELLI, Patrick J.	(11) EP3694420	(54) BONE FIXATION ASSEMBLY WITH ENLARGED ANGLE OF INCLINATION FOR A BONE ANCHOR TO A FAVORED SIDE
MUMAW, Daniel J.	(21) EP18799431.4	(73) Biedermann Technologies GmbH & Co. KG
YU, Yachuan	(47) 13.04.2022	(72) BIEDERMANN, Markku
GUO, Wei	(87) EP2018000468	(31) 201815982488
(31) 201715798902	18.04.2019	(32) 17.05.2018
201762519482 P	(22) 10.10.2018	(33) United States of America
201762508720 P	(54) PERICARDIUM GRIPPER	(51) A61B 17/92
201662422698 P	(73) Christoph Miethke GmbH & Co. KG	A61B 17/00
(32) 31.10.2017	(72) THIEME, Lucas	(11) EP3518800
14.06.2017	KLETTNIG, Tim	(21) EP17784699.5
19.05.2017	MIETHKE, Christoph	(47) 13.04.2022
16.11.2016	(31) 102017009488	(87) IB2017056019
(33) United States of America	(32) 12.10.2017	12.04.2018
United States of America	(33) Germany	(22) 29.09.2017
United States of America	(51) A61B 17/58	
United States of America	(11) EP2672906	
	(21) EP12744640.9	
	(47) 13.04.2022	

(54) STRIKING TOOL FOR TREATMENT OF BONES IN HIP OPERATIONS	(11) EP3868320	(51) A61B 18/14
(73) IBAG Medtech AG	(21) EP21151413.8	A61B 18/00
(72) KALBERER, Fabian	(47) 13.04.2022	A61B 18/22
WALDVOGEL, Daniel	(22) 13.01.2021	(11) EP3685781
NASIC, Milos	(54) CRYOGEN PUMP	(21) EP19153586.3
BUFF, Dominic	(73) IceCure Medical Ltd.	(47) 13.04.2022
(31) 13052016	(72) Muchnik, Naum	(22) 24.01.2019
(32) 03.10.2016	Kaufman, Shai	(54) DEVICE FOR TISSUE COAGULATION
(33) Switzerland	Hilleli, Ron	(73) Erbe Elektromedizin GmbH
(51) A61B 17/94	(31) 202016785686	Albert-Ludwigs-Universität Freiburg
A61B 17/00	(32) 10.02.2020	(72) ATAMAN, Caglar
A61B 17/29	(33) United States of America	NEUGEBAUER, Alexander
A61B 1/313	(51) A61B 18/04	FISCHER, Klaus
(11) EP3508154	(11) EP2637590	VILCHES, Sergio
(21) EP17845520.0	(21) EP11839069.9	ZAPPE, Hans
(47) 13.04.2022	(47) 13.04.2022	(51) A61B 18/14
(87) CN2017099918	(87) US2011060008	A61B 18/00
08.03.2018	18.05.2012	A61B 34/20
(22) 31.08.2017	(22) 09.11.2011	(11) EP3659539
(54) FLEXIBLE SURGICAL INSTRUMENT SYSTEM	(54) POSITIONING APPARATUS FOR DELIVERING VAPOR TO THE UTERUS	(21) EP20153886.5
(73) Beijing Surgerii Technology Co., Ltd	(73) Aegea Medical, Inc.	(47) 13.04.2022
(72) DAI, Zhengchen	(72) MAGEN, Hugh Edward	(22) 07.12.2017
ZHAO, Jiangran	BACICH, Steven Robert	(54) IRRIGATED BALLOON CATHETER WITH SUPPORT SPINES AND VARIABLE SHAPE
LIU, Huan	PELIKS, Robert Bilgor	(73) Biosense Webster (Israel), Ltd.
XU, Kai	GURSKIS, Donnell William	(72) BASU, Shubhaya
ZHANG, Huichao	DANIELS, Roxanne	FUENTES-ORTEGA, Cesar
ZHANG, Shu'an	(31) 411840 P	(31) 201715827111
DONG, Tianlai	201161544885 P	201662431773 P
ZHANG, Zhaoyu	(32) 09.11.2010	(32) 30.11.2017
(31) 201610798123	(33) United States of America	08.12.2016
201610797612	United States of America	(33) United States of America
(32) 31.08.2016	(51) A61B 18/10	United States of America
31.08.2016	A61B 34/30	(51) A61B 18/14
(33) China	(11) EP3795106	A61M 25/10
China	(21) EP20205289.0	A61B 18/00
(51) A61B 18/00	(47) 13.04.2022	(11) EP3041425
(11) EP3031417	(22) 01.03.2019	(21) EP14767235.6
(21) EP14834274.4	(54) TOKEN-BASED ELECTROSURGICAL INSTRUMENT ACTIVATION	(47) 13.04.2022
(47) 13.04.2022	(73) CMR Surgical Limited	(87) US2014054093
(87) JP2014070869	(72) DEANE, Gordon Thomas	12.03.2015
12.02.2015	SCHOFIELD, Simon	(22) 04.09.2014
(22) 07.08.2014	ROBERTS, Paul Christopher	(54) RADIO FREQUENCY (RF) BALLOON CATHETER HAVING FLUSHING AND COOLING CAPABILITY
(54) ULTRASONIC PROBE AND ULTRASONIC TREATMENT DEVICE	(31) 201803379	(73) Boston Scientific Scimed, Inc.
(73) Olympus Corporation	(32) 01.03.2018	(72) ANDERSON, James M.
(72) AKAGANE, Tsunetaka	(33) United Kingdom	ROYER, Adam J.
(31) 201361863104 P	(51) A61B 18/14	SUTERMEISTER, Derek C.
(32) 07.08.2013	A61B 18/00	JANCARIC, Thomas P.
(33) United States of America	A61B 18/12	LINDQUIST, Jeffrey S.
(51) A61B 18/02	(11) EP3750500	QUILLIN, Daniel T.
A61B 17/00	(21) EP20171803.8	HANSON, Cass A.
(11) EP2759273	(47) 13.04.2022	(31) 201361873751 P
(21) EP14001051.3	(22) 18.11.2015	(32) 04.09.2013
(47) 13.04.2022	(54) CONTACT SENSING SYSTEMS	(33) United States of America
(22) 26.04.2006	(73) EpiX Therapeutics, Inc.	(51) A61B 34/00
(54) Detachable cryosurgical probe with breakaway handle	(72) PANESCU, Dorin	A61B 1/00
(73) Varian Medical Systems, Inc.	JOHNSON, Jessi E.	A61B 90/00
(72) Duong, Thach	(31) 201562243289 P	A61B 1/04
Eum, Jay, J.	201562195717 P	(11) EP2687182
Lapine, Paul	201562138338 P	(21) EP13187613.8
(31) 116873	(32) 19.10.2015	(47) 13.04.2022
(32) 28.04.2005	22.07.2015	(22) 08.05.2006
(33) United States of America	25.03.2015	(54) Methods and system for performing 3-D tool tracking by fusion of sensor and/
(51) A61B 18/02	(33) United States of America	
A61B 18/00	United States of America	
	United States of America	

or camera derived data during minimally invasive robotic surgery	(54) ROBOTIC INSTRUMENT SYSTEMS CONTROLLED USING KINEMATICS AND MECHANICS MODELS	(11) EP3158968 (21) EP14895039.7 (47) 13.04.2022 (87) CN2014086717 23.12.2015 (22) 17.09.2014 (54) BRACKET, BRACKET STRAIGHTENING SYSTEM AND TEETH STRAIGHTENING METHOD
(73) Intuitive Surgical Operations, Inc.	(73) Auris Health, Inc.	(73) Guangzhou OO Medical Scientific Co. Ltd.
(72) Prisco, Giuseppe	(72) CAMARILLO, David	(72) LI, Ji
Zhang, Guanghua G	(31) 898661 P	(31) 201410281231
Larkin, David Q	(32) 30.01.2007	(32) 20.06.2014
Kumar, Rajesh	(33) United States of America	(33) China
Hoffman, Brian, D	(51) A61B 34/30	(51) A61C 8/00
(31) 130471	A61B 90/00	(11) EP3478216
(32) 16.05.2005	A61B 34/32	(21) EP17735489.1
(33) United States of America	(11) EP3135444	(47) 13.04.2022
(51) A61B 34/00	(21) EP15754874.4	(87) EP2017066497 11.01.2018
A61B 90/00	(47) 13.04.2022	(22) 03.07.2017
A61B 90/17	(87) JP2015053876 03.09.2015	(54) ABUTMENT BASE FOR A RESTORATIVE DENTISTRY
(11) EP3307192	(22) 12.02.2015	(73) Euroteknika
(21) EP16808451.5	(54) ROBOT ARM APPARATUS, ROBOT ARM CONTROL METHOD, AND PROGRAM	(72) LEGER, Théo
(47) 13.04.2022	(73) Sony Group Corporation	CALVAT, Benjamin
(87) US2016037043	(72) KURODA, Yohei	LANCIEUX, Cédric
15.12.2016	MATSUDA, Yasuhiro	PERROLLAZ, Fabien
(22) 10.06.2016	MIYAMOTO, Atsushi	
(54) METHODS FOR MANUFACTURING A LOCATOR FORM FOR GUIDING TISSUE RESECTION	KOKUBO, Wataru	
(73) The Trustees of Dartmouth College	KASAI, Takara	
(72) KRISHNASWAMY, Venkataramanan	TSUBOI, Toshimitsu	
BARTH, Richard, J.	FUKUSHIMA, Tetsuharu	
PAULSEN, Keith, D.	KAMIKAWA, Yasuhisa	
(31) 201514919411	(31) 2014038654	(31) 1656374
201562185292 P	(32) 28.02.2014	(32) 04.07.2016
201562174949 P	(33) Japan	(33) France
(32) 21.10.2015	(51) A61B 90/25	(51) A61C 8/00
26.06.2015	A61F 9/007	(11) EP3648700
12.06.2015	G02B 21/24	(21) EP18735321.4
(33) United States of America	G02B 21/00	(47) 13.04.2022
United States of America	(11) EP3530228	(87) EP2018068112 10.01.2019
United States of America	(21) EP17875516.1	(22) 04.07.2018
(51) A61B 34/10	(47) 13.04.2022	(54) SET FOR DENTAL IMPRESSION
A61B 34/30	(87) JP2017032402 07.06.2018	(73) Euroteknika
A61B 90/00	(22) 08.09.2017	(72) CONSTANT, Loïs
G16H 50/50	(54) MICROSCOPE DEVICE AND CONTROL METHOD	CALVAT, Benjamin
G16H 20/40	(73) Sony Olympus Medical Solutions Inc.	LEGER, Théo
G16H 30/20	(72) UEDA, Masaaki	LANCIEUX, Cédric
A61B 34/00	FUKAYA, Takashi	
(11) EP3089694	SHIBUYA, Noboru	(31) 1756427
(21) EP14827964.9	ISHIKAWA, Tomonori	(32) 07.07.2017
(47) 13.04.2022	HOSHINO, Yoshia	(33) France
(87) US2014071680	(31) 2016231680	(51) A61C 13/00
09.07.2015	(32) 29.11.2016	A61C 9/00
(22) 19.12.2014	(33) Japan	(11) EP3669819
(54) SYSTEMS AND METHODS FOR GENERATING CUSTOMIZED HAPTIC BOUNDARIES	(51) A61C 7/14	(21) EP19214718.9
(73) Mako Surgical Corp.	A61C 7/16	(47) 13.04.2022
(72) KANG, Hyosig	(11) EP3669816	(22) 11.07.2011
OTTO, Jason	(21) EP19214149.7	(54) 3D MODELING OF AN OBJECT USING TEXTURAL FEATURES
(31) 201361922740 P	(47) 13.04.2022	(73) 3Shape A/S
(32) 31.12.2013	(22) 18.10.2007	(72) STEGMANN, Mikkel Bille
(33) United States of America	(54) METHOD FOR BONDING A DENTAL ARTICLE TO A TOOTH MODEL	CLAUSEN, Tais
(51) A61B 34/30	(73) 3M Innovative Properties Company	FISKER, Rune
A61B 34/37	(72) CINADER, David K., Jr.	DEICHMANN, Nikolaj
A61M 25/01	(31) 551823	ALLIN, Thomas Højgaard
A61B 17/00	(32) 23.10.2006	HOLLENBECK, Karl-Josef
A61B 34/00	(33) United States of America	SCHJØTH, Lars
A61B 34/10	(51) A61C 7/14	(31) PA201000617 36373510 P
(11) EP3533410	A61C 7/28	(32) 12.07.2010
(21) EP19167743.4		13.07.2010
(47) 13.04.2022		
(22) 30.01.2008		

(33) Denmark United States of America	(73) Tepha, Inc.	(47) 13.04.2022
(51) A61C 13/01	(72) STIRES, Emily	(87) US2012034301
A61C 8/00	MOSES, Arikha	26.10.2012
(11) EP3244826	NATALE, Anthony	(22) 19.04.2012
(21) EP16737169.9	(31) 201261604242 P	(54) TRANSCATHETER PROSTHETIC
(47) 13.04.2022	201161451103 P	HEART VALVE DELIVERY SYSTEM
(87) IL2016050043	(32) 28.02.2012	WITH FLUSH PORT
21.07.2016	09.03.2011	(73) Medtronic Inc.
(22) 14.01.2016	(33) United States of America	(72) WIEMEYER, Nathan
(54) DENTAL BRIDGE SYSTEM	United States of America	TRAN, Don
(73) Poetya Solutions Limited	(51) A61F 2/12	(31) 201113091938
(72) BERGER, Uzi	A61M 39/02	(32) 21.04.2011
(31) 201562103123 P	(11) EP2519192	(33) United States of America
(32) 14.01.2015	(21) EP10798877.6	(51) A61F 2/24
(33) United States of America	(47) 13.04.2022	(11) EP3349693
(51) A61C 15/04	(87) US2010059692	(21) EP16766455.6
(11) EP3641696	07.07.2011	(47) 13.04.2022
(21) EP18742602.8	(22) 09.12.2010	(87) US2016050691
(47) 13.04.2022	(54) BREAST IMPLANTS HAVING DRUG-	23.03.2017
(87) IB2018054611	ELUTING RESERVOIRS	(22) 08.09.2016
27.12.2018	(73) Mentor Worldwide LLC	(54) PROSTHETIC HEART VALVES
(22) 22.06.2018	(72) BERG, Eric, Peter	INCLUDING PRE-STRESSED FIBERS
(54) DENTAL FLOSS HOLDER	FALCON, Anita, Marie	(73) Boston Scientific Scimed, Inc.
(73) Cavaliere, Francesco	(31) 648435	(72) WROBEL, Thomas A.
(72) Cavaliere, Francesco	(32) 29.12.2009	(31) 201615257211
(31) 201700069596	(33) United States of America	201562218776 P
(32) 22.06.2017	(51) A61F 2/16	(32) 06.09.2016
(33) Italy	G02C 7/04	15.09.2015
(51) A61D 3/00	(11) EP2512371	(33) United States of America
A61D 7/04	(21) EP10798906.3	United States of America
(11) EP3570775	(47) 13.04.2022	(51) A61F 2/26
(21) EP18713057.0	(87) US2010061017	(11) EP3242631
(47) 13.04.2022	23.06.2011	(21) EP16880189.2
(87) US2018014325	(22) 17.12.2010	(47) 13.04.2022
26.07.2018	(54) SINGLE MICROSTRUCTURE LENS	(87) US2016020881
(22) 19.01.2018	(73) AMO Groningen B.V.	06.07.2017
(54) ROTATABLE SURGICAL TABLE	(72) WEEBER, Hendrik, A.	(22) 04.03.2016
(73) Regeneron Pharmaceuticals, Inc.	(31) 288255 P	(54) PROSTHESIS FOR IMPROVED PENIS
(72) CICHON, Sam	(32) 18.12.2009	FUNCTION
STREIN, John	(33) United States of America	(73) Menova International, Inc.
(31) 201762448710 P	(51) A61F 2/24	(72) ELIST, James
(32) 20.01.2017	(11) EP2488126	(31) 201514986484
(33) United States of America	(21) EP10824103.5	(32) 31.12.2015
(51) A61F 2/00	(47) 13.04.2022	(33) United States of America
(11) EP2346438	(87) US2010052695	(51) A61F 2/30
(21) EP09819464.0	21.04.2011	A61F 2/34
(47) 13.04.2022	(22) 14.10.2010	(11) EP3551131
(87) SE2009000447	(54) PERCUTANEOUS TRANSVALVULAR	(21) EP17817628.5
15.04.2010	INTRAANNULAR BAND FOR MITRAL	(47) 13.04.2022
(22) 12.10.2009	VALVE REPAIR	(87) US2017064927
(54) VARIABLE SLING FOR URINARY	(73) Cardiovascular Technologies, LLC	21.06.2018
INCONTINENCE	(72) AFZAL, Thomas	(22) 06.12.2017
(73) Implantica Patent Ltd.	REQ, Michael, L.	(54) IMPLANTS WITH FRANGIBLE
(72) FORSELL, Peter	SUBRAMANIAN, Valavanur, A.	FASTENER PORT PLUGS
(31) 136887 P	HULME, Gary	(73) Zimmer, Inc.
(32) 10.10.2008	CHRISTIAN, Jeffrey	(72) FURORE, Adam
(33) United States of America	(31) 579330	KREBS, Robert D.
(51) A61F 2/12	579331	MACKE, Jacob
A61L 27/14	579364	(31) 201662432948 P
C08L 101/16	(32) 14.10.2009	(32) 12.12.2016
A61F 2/52	14.10.2009	(33) United States of America
(11) EP3636222	14.10.2009	(51) A61F 2/40
(21) EP19199153.8	(33) United States of America	A61F 2/46
(47) 13.04.2022	United States of America	A61B 17/02
(22) 07.03.2012	United States of America	A61B 17/88
(54) SYSTEMS FOR MASTOPEXY	(51) A61F 2/24	(11) EP3503850
	(11) EP2699200	(21) EP17844446.9
	(21) EP12717014.0	(47) 13.04.2022

(87) US2017048491 01.03.2018 (22) 24.08.2017 (54) HUMERAL HEAD IMPLANT SYSTEM (73) Greiwe, Raymond Michael (72) Greiwe, Raymond Michael (31) 201762531721 P 201762469425 P 201762463448 P 201662419905 P 201662378963 P (32) 12.07.2017 09.03.2017 24.02.2017 09.11.2016 24.08.2016 (33) United States of America United States of America United States of America United States of America United States of America	(87) SE2009000054 06.08.2009 (22) 29.01.2009 (54) AN APPARATUS FOR TREATING GERD (73) Implantica Patent Ltd. (72) FORSELL, Peter (31) 0802138 6719 P (32) 10.10.2008 29.01.2008 (33) Sweden United States of America (51) A61F 5/01 (11) EP3669832 (21) EP19208452.3 (47) 13.04.2022 (22) 12.11.2019 (54) ANKLE PROSTHESIS (73) Ferd. Hauber GmbH (72) HORST, Christian CARSTENS, Felix LAITZSCH, Lukas (31) 102018129472 (32) 22.11.2018 (33) Germany (51) A61F 5/01 (11) EP3893819 (21) EP19818030.9 (47) 13.04.2022 (87) EP2019084225 18.06.2020 (22) 09.12.2019 (54) ORTHOSIS AND METHOD FOR CONTROLLING AN ORTHOSIS (73) Ottobock SE & Co. KGaA (72) DREWITZ, Heiko SIEWERT, Gordon HOCHMANN, David KROLL-ORYWAHL, Olaf MÜLLER, André (31) 102018131852 (32) 12.12.2018 (33) Germany (51) A61F 5/01 (11) EP3851081 (21) EP21151555.6 (47) 13.04.2022 (22) 14.01.2021 (54) ARTICULATED ARRANGEMENT FOR AN ORTHESIS OF AN EXTREMITY JOINT AND ORTHOSIS WITH SUCH AN ARTICULATED ARRANGEMENT (73) Bort GmbH (72) Scheuermann, Rainer (31) 102020000254 (32) 16.01.2020 (33) Germany (51) A61F 5/56 (11) EP3313333 (21) EP15896154.0 (47) 13.04.2022 (87) CN2015093155 29.12.2016 (22) 29.10.2015 (54) LIQUID CONTAINER AND ABSORBENT INSERT FOR ORAL NEGATIVE- PRESSURE THERAPY SYSTEM (73) Somnics, Inc.	(72) HUANG, Chen-Ning YU, Tung-Ming CHEN, Chung-Chu LEE, Chih-Jung CHEN, Yin-Ruei LIN, Chin-Jen KUO, Ming-Tsung (31) 201514867657 201562184835 P (32) 28.09.2015 25.06.2015 (33) United States of America United States of America (51) A61F 13/00 A61F 13/02 (11) EP3406231 (21) EP18171902.2 (47) 13.04.2022 (22) 31.07.2013 (54) WOUND DRESSING AND METHOD OF TREATMENT (73) Smith & Nephew plc (72) ALLEN, Julie ASKEM, Ben Alan GOWANS, Philip COLLINSON, Sarah Jenny MEHTA, Steven Carl (31) 201361785054 P 201361753878 P 201361753374 P 201261678569 P (32) 14.03.2013 17.01.2013 16.01.2013 01.08.2012 (33) United States of America United States of America United States of America United States of America (51) A61F 13/00 A61F 13/02 (11) EP3586805 (21) EP19187777.8 (47) 13.04.2022 (22) 15.06.2010 (54) CONFORMABLE MEDICAL DRESSING WITH SELF SUPPORTING SUBSTRATE (73) 3M Innovative Properties Company (72) JACOBSON, Richard L. ST. SAUVER, Karen M. HA, Phong V. PETERSON, Donald G. (31) 18765909 P (32) 16.06.2009 (33) United States of America (51) A61F 13/08 (11) EP3675783 (21) EP18799463.7 (47) 13.04.2022 (87) EP2018079569 16.05.2019 (22) 29.10.2018 (54) METHOD FOR TAILORING A COMPRESSION GARMENT (73) Sigvaris AG (72) HOFFMAN, Keith A. KUIPERS, Laure (31) 201715808092
---	--	---

(32) 09.11.2017	(32) 27.12.2016	(32) 29.05.2015
(33) United States of America	(33) United States of America	(33) United States of America
(51) A61F 13/42	(51) A61G 7/057	(51) A61J 1/06
G01N 33/00	(11) EP3574881	A61J 1/16
(11) EP3415130	(21) EP19187945.1	B01L 9/06
(21) EP17201652.9	(47) 13.04.2022	(11) EP3345587
(47) 13.04.2022	(22) 20.12.2017	(21) EP16841908.3
(22) 14.11.2017	(54) SUPPORT APPARATUSES	(47) 13.04.2022
(54) SMART ABSORBENT ARTICLE, COMPONENTS, AND PROCESS OF MAKING	COMPRISING COOLING ELEMENTS	(87) JP2016075510
(73) Ontex BV	(73) Hill-Rom Services, Inc.	09.03.2017
Ontex Group NV	(72) BEDEL, David Lawrence	(22) 31.08.2016
(72) IDELSON, Alissa	RIBBLE, David Lance	(54) CONTAINER HOLDING MEMBER AND MEDICAL CONTAINER SET
VAN KEYMEULEN, Bjorn	SRIVASTAVA, Varad Narayan	(73) Daikyo Seiko, LTD.
HELLMOLD, Jens	(31) 201662439933 P	(72) KAWAMURA Hideaki
(31) 17176324	(32) 29.12.2016	(31) 2015174900
(32) 16.06.2017	(33) United States of America	(32) 04.09.2015
(33) European Patent Office (EPO)	(51) A61G 7/057	(33) Japan
(51) A61F 13/475	A61H 9/00	(51) A61J 7/00
A61F 13/535	(11) EP3132781	B65B 43/54
A61F 13/539	(21) EP16192690.2	B65B 57/14
(11) EP3799848	(47) 13.04.2022	B65B 57/20
(21) EP20164373.1	(22) 05.10.2011	B65B 69/00
(47) 13.04.2022	(54) SUPPORT APPARATUS, SYSTEM AND METHOD	B65B 5/10
(22) 19.03.2020	(73) Dabir Surfaces, Inc.	(11) EP3716932
(54) ABSORBENT ARTICLES AND METHODS OF MAKING	(72) WYRICK, Timothy	(21) EP18815270.6
(73) Ontex Group NV	WOLF, Kenneth Andrew	(47) 13.04.2022
Ontex BV	DZIOBA, David A.	(87) FR2018052595
(72) Lambertz, Christina	(31) 201161535294 P	06.06.2019
(51) A61G 5/04	390016 P	(22) 18.10.2018
A61G 5/02	(32) 15.09.2011	(54) DEVICE AND METHOD FOR PRODUCING A PILL ORGANISER
B60W 10/08	05.10.2010	(73) OREUS S.A.S.
B60W 30/18	(33) United States of America	Stirnberg, Stefan
(11) EP3366267	United States of America	(72) STIRNBERG, Stefan
(21) EP15906629.9	(51) A61H 1/02	FOUBET, Olivier
(47) 13.04.2022	A61H 3/00	FOUBET, Grégory
(87) JP2015079433	(11) EP3522847	FOUBET, Michel
27.04.2017	(21) EP17794074.9	(31) 1761319
(22) 19.10.2015	(47) 13.04.2022	(32) 28.11.2017
(54) ELECTRIC WHEELCHAIR WITH AUXILIARY POWER, AND METHOD FOR CONTROLLING ELECTRIC WHEELCHAIR WITH AUXILIARY POWER	(87) IB2017056112	(33) France
(73) Yamaha Hatsudoki Kabushiki Kaisha	12.04.2018	(51) A61K 8/06
(72) KITA, Yukio	(22) 04.10.2017	A61K 8/34
(51) A61G 5/06	(54) MODULAR AND MINIMALLY CONSTRAINING LOWER LIMB EXOSKELETON FOR ENHANCED MOBILITY AND BALANCE AUGMENTATION	A61K 8/87
(11) EP3345582	(73) Ecole Polytechnique Fédérale de Lausanne (EPFL)	A61Q 1/02
(21) EP17210679.1	(72) ORTLIEB, Amalric	A61Q 1/06
(47) 13.04.2022	BOURI, Mohamed	A61Q 1/10
(22) 27.12.2017	(31) 16192217	A61Q 17/04
(54) VARIABLE SPEED PATIENT TRANSFER APPARATUS	(32) 04.10.2016	A61Q 19/00
(73) Stryker Corporation	(33) European Patent Office (EPO)	(11) EP3603609
(72) Schaaf, Darren	(51) A61H 19/00	(21) EP19188672.0
Naber, Brandon	A61H 21/00	(47) 13.04.2022
Brosnan, Daniel	A61H 23/02	(22) 26.07.2019
Souke, Chad	(11) EP3302394	(54) COSMETIC EMULSION COMPOSITION
Hough, Christopher	(21) EP16802661.5	(73) ADEKA CORPORATION
Mansfield, Joshua	(47) 13.04.2022	(72) YASUTANI, Akihito
Heneveld Jr., William Ross	(87) IB2016053151	NAKAJIMA, Kazuya
Furman, Aaron	08.12.2016	(31) 2018143331
Lucas, Ross	(22) 27.05.2016	(32) 31.07.2018
Gopalkrishnan, Janani	(54) DEVICES FOR SEXUAL STIMULATION	(33) Japan
Gentile, Christopher	(73) Zumio Inc.	(51) A61K 8/06
(31) 201662439379 P	(72) REIMER, Olga	A61K 8/39
	BAILEY, Kevin	A61Q 1/12
	(31) 201562168479 P	A61Q 17/04
		(11) EP3806812
		(21) EP19742859.2
		(47) 13.04.2022
		(87) FR2019051411

19.12.2019	A61K 8/04	(87) US2018055106
(22) 11.06.2019	A61K 9/00	18.04.2019
(54) SURFACTANT FOR WATER-IN-OIL EMULSION	A61K 9/70	(22) 10.10.2018
(73) GATTEFOSSE SAS	A61Q 17/00	(54) SULFATE FREE PERSONAL CLEANSING COMPOSITION
(72) RODIER, Jean-David	A61Q 17/04	COMPRISING LOW INORGANIC SALT
NOLLET, Maxime	A61K 8/02	(73) The Procter & Gamble Company
(31) 1855115	(11) EP3801452	(72) KOENIG, Peter, Herbert
(32) 12.06.2018	(21) EP19728072.0	HUTTON, Howard, David, III
(33) France	(47) 13.04.2022	COCHRAN, Brooke, Michele
(51) A61K 8/06	(87) EP2019064605	BUREIKO, Andrei, Sergeevich
A61K 8/81	12.12.2019	SONG, Brian, Xiaoqing
A61K 8/58	(22) 05.06.2019	(31) 201762570377 P
A61K 8/02	(54) THIXOTROPIC COMPOSITION	(32) 10.10.2017
A61Q 19/00	(73) Bio-Gate AG	(33) United States of America
(11) EP3576711	(72) STEINRÜCKE, Peter	(51) A61K 8/46
(21) EP18706069.4	HEINAR, Thomas	A61K 8/44
(47) 13.04.2022	(31) 18175964	A61K 8/42
(87) US2018016841	(32) 05.06.2018	A61K 8/73
09.08.2018	(33) European Patent Office (EPO)	A61Q 5/02
(22) 05.02.2018	(51) A61K 8/34	(11) EP3525753
(54) PERSONAL CARE COMPOSITION	A61K 8/49	(21) EP16781045.6
(73) The Procter & Gamble Company	A61Q 5/00	(47) 13.04.2022
(72) SUNKEL, Jorge, Max	(11) EP3134064	(87) BR2016050247
(31) 201715425713	(21) EP15720545.1	05.04.2018
(32) 06.02.2017	(47) 13.04.2022	(22) 30.09.2016
(33) United States of America	(87) US2015027410	(54) HAIR COSMETIC COMPOSITIONS
(51) A61K 8/18	29.10.2015	CONTAINING THIOL-BASED
A61K 8/66	(22) 24.04.2015	COMPOUNDS AND METHODS FOR
A61K 8/98	(54) SCALP CARE COMPOSITION	CLEANSING AND TREATING HAIR
(11) EP2968084	(73) The Procter & Gamble Company	(73) L'Oréal
(21) EP14776375.9	(72) AISTRUP, Elizabeth, Rebecca	(72) DE MAGALHAES, Ana Paula Leme
(47) 13.04.2022	MARTIN, Kenneth, LaMont	GREGOLIN, Marina Tavares
(87) US2014026238	SCHWARTZ, James, Robert	MARTINS, Sintia Aguiar
02.10.2014	(31) 201461983749 P	PETALI, Erika Alegrio Jarque
(22) 13.03.2014	(32) 24.04.2014	SATO, Bruno Maiko
(54) COMPOSITIONS FOR TREATMENT OF XEROSTOMIA AND FOR TOOTH TREATMENT	(33) United States of America	(51) A61K 8/73
(73) 3 in 1 Dental Plc	(51) A61K 8/36	A61P 17/16
(72) OKAY, Devin, J.	A61K 8/44	A61K 8/19
(31) 201361783194 P	A61Q 19/10	A61K 8/81
(32) 14.03.2013	(11) EP3558236	A61Q 17/00
(33) United States of America	(21) EP17828675.3	A61K 9/00
(51) A61K 8/24	(47) 13.04.2022	A61K 9/06
A61K 8/19	(87) EP2017082680	A61K 47/32
A61Q 11/00	28.06.2018	A61K 31/731
A61K 8/29	(22) 13.12.2017	A61K 31/734
A61P 1/02	(54) LIQUID PERSONAL CLEANSING COMPOSITION	A61K 31/78
(11) EP3668478	(73) Unilever IP Holdings B.V.	A61K 33/10
(21) EP18742507.9	(72) KING, Adrienne Lyn	A61P 17/00
(47) 13.04.2022	VASUDEVAN, Tirucherai Varahan	A61P 37/08
(87) EP2018069990	GU, Yeyi	A61P 39/04
21.02.2019	KEMLER, Kayla Marie	A61P 43/00
(22) 24.07.2018	(31) PCT/CN2016/111309	(11) EP3177265
(54) ORAL CARE COMPOSITION	17155150	(21) EP14749789.5
(73) Unilever IP Holdings B.V.	(32) 21.12.2016	(47) 13.04.2022
(72) LI, Xiaoke	08.02.2017	(87) EP2014066848
XING, Huaiyong	(33) World Intellectual Property Office (WIPO)	11.02.2016
WANG, Jinfang	European Patent Office (EPO)	(22) 05.08.2014
(31) PCT/CN2017/098035	(51) A61K 8/44	(54) PROTECTIVE SKIN COMPOSITIONS
17191670	A61K 8/46	(73) Amantin Experts
(32) 18.08.2017	A61Q 5/02	(72) BRIAND, Elisabeth
18.09.2017	A61Q 5/12	DUMAS MILNE EDWARDS, Jean-Baptiste
(33) World Intellectual Property Office (WIPO)	A61K 8/73	DELORT, Jacques
European Patent Office (EPO)	A61K 8/81	(51) A61K 9/00
(51) A61K 8/26	A61K 8/04	A61K 9/20
A61K 8/73	(11) EP3694482	A61K 9/50
	(21) EP18796212.1	A61K 31/4439
	(47) 13.04.2022	

(11) EP3651735	(22) 05.11.2015	A61L 27/30
(21) EP18755569.3	(54) OPHTHALMIC AQUEOUS COMPOSITION	B01L 3/00
(47) 13.04.2022		B82Y 5/00
(87) JP2018026416	(73) Santen Pharmaceutical Co., Ltd.	(11) EP2574169
17.01.2019	Daiichi Sankyo Company, Limited	(21) EP11784219.5
(22) 09.07.2018	(72) ENDO Yoko	(47) 13.04.2022
(54) PREPARATION COMPRISING VONOPRAZAN	UMEZAKI Shinya	(87) US2011037094
(73) Takeda Pharmaceutical Company Limited	TAKAHASHI Kyohei	24.11.2011
(72) FUJII, Hiroyuki	(31) 2014227039	(22) 19.05.2011
SUZUKI, Akira	(32) 07.11.2014	(54) NANO-SCALE COATINGS AND RELATED METHODS SUITABLE FOR IN-VIVO USE
(31) 2017135046	(33) Japan	(73) Nanomedical Systems, Inc.
(32) 10.07.2017	(51) A61K 9/00	(72) HOSALI, Sharath
(33) Japan	A61K 47/42	GOODALL, Randy
(51) A61K 9/00	A61K 9/51	(31) 34637210 P
A61K 31/137	A61K 31/47	(32) 19.05.2010
A61P 11/08	A61K 31/616	(33) United States of America
A61K 45/06	A61K 31/7048	(51) A61K 9/51
(11) EP3787598	(11) EP3548001	A61K 47/69
(21) EP19721680.7	(21) EP16816395.4	A61P 25/00
(47) 13.04.2022	(47) 13.04.2022	A61P 35/00
(87) GB2019051136	(87) IB2016057230	A61K 31/713
07.11.2019	07.06.2018	(11) EP2323628
(22) 23.04.2019	(22) 30.11.2016	(21) EP09807260.6
(54) PHARMACEUTICAL COMPOSITION COMPRISING SALBUTAMOL	(54) A METHOD OF MANUFACTURING A SOLUTION OF NANOPARTICLES OF ACETYSALICYLIC ACID OR DIOSMIN OR DROTAVERINE	(47) 13.04.2022
(73) Mexichem Fluor S.A. de C.V.	(73) Dukebox SP. Z O.O.	(87) US2009053620
(72) NOAKES, Timothy James	(72) PULIT-PROCIAK, Jolanta	18.02.2010
CORR, Stuart	BANACH, Marcin	(22) 12.08.2009
(31) 201807053	(51) A61K 9/20	(54) CARRIER NANOPARTICLES AND RELATED COMPOSITIONS, METHODS AND SYSTEMS
(32) 30.04.2018	A61K 31/675	(73) California Institute of Technology
(33) United Kingdom	A61K 31/00	(72) ALABI, Christopher, A.
(51) A61K 9/08	A61K 9/28	DAVIS, Mark, E.
A61K 38/26	(11) EP2269584	(31) 188855 P
A61P 3/08	(21) EP10006061.5	(32) 13.08.2008
A61K 9/00	(47) 13.04.2022	(33) United States of America
A61K 47/02	(22) 14.04.2005	(51) A61K 31/138
A61K 47/20	(54) Enteric solid oral dosage form of a bisphosphonate containing a chelating agent	A61K 31/337
A61K 47/26	(73) Theramex HQ UK Limited	A61K 31/565
A61K 47/10	(72) Burgio, Ernest David, Jr.	A61K 31/704
A61K 47/18	Dansereau, Richard John	A61K 45/06
A61K 47/12	(31) 573881 P	A61P 35/00
(11) EP3344231	(32) 24.05.2004	A61P 43/00
(21) EP16843065.0	(33) United States of America	(11) EP3416632
(47) 13.04.2022	(51) A61K 9/20	(21) EP17708981.0
(87) US2016050110	A61K 31/675	(47) 13.04.2022
09.03.2017	A61K 31/00	(87) EP2017053209
(22) 02.09.2016	A61K 9/28	24.08.2017
(54) STABILIZED GLUCAGON SOLUTIONS	(11) EP2283825	(22) 14.02.2017
(73) Latitude Pharmaceuticals, Inc.	(21) EP10011938.7	(54) USE OF A FASTING MIMICKING DIET TO ENHANCE THE EFFICACY OF ANTIESTROGENS IN CANCER THERAPY
(72) CHEN, Hailiang	(47) 13.04.2022	(73) L-Nutra Inc.
CHEN, Andrew Xian	(22) 14.04.2005	Università degli Studi di Genova
ORIDA, Norman Keith	(54) Enteric solid oral dosage form of a bisphosphonate containing a chelating agent	(72) NENCIONI, Alessio
(31) 201562214831 P	(73) Theramex HQ UK Limited	BALLESTRERO, Alberto
(32) 04.09.2015	(72) Dansereau, Richard John	ODETTI, Patrizio
(33) United States of America	Burgio, Ernest David, Jr.	MONACELLI, Fiammetta
(51) A61K 9/08	(31) 573881 P	LONGO, Valter
A61K 47/02	(32) 24.05.2004	CAFFA, Irene
A61K 47/10	(33) United States of America	(31) UB20160828
A61K 47/18	(51) A61K 9/44	(32) 18.02.2016
A61K 31/5383	A61K 9/20	(33) Italy
A61K 31/573	A61M 37/00	(51) A61K 31/194
(11) EP3216451	A61K 9/00	A61K 31/198
(21) EP15857116.6		
(47) 13.04.2022		
(87) JP2015081121		
12.05.2016		

A61P 21/00	A61K 31/506	(47) 13.04.2022
A61P 9/04	A61K 31/4985	(87) CN2017070352
(11) EP3658132	A61K 31/4545	13.07.2017
(21) EP18753465.6	A61K 31/439	(22) 06.01.2017
(47) 13.04.2022	A61K 31/437	(54) USE OF QUINOLINE DERIVATIVES
(87) IB2018055425	A61K 31/42	FOR TREATING OESOPHAGEAL
31.01.2019	A61K 31/015	CANCER AND TREATMENT METHOD,
(22) 20.07.2018	A61K 31/4184	PHARMACEUTICAL COMPOSITION
(54) COMPOSITIONS COMPRISING AMINO	C07D 413/12	AND KIT THEREOF
ACIDS FOR USE IN THE TREATMENT	C07D 471/04	
OF MITOCHONDRIAL DYSFUNCTION-	C07D 487/04	(73) Chia Tai Tianqing Pharmaceutical Group
RELATED DISEASES	(11) EP3703682	Co., Ltd.
(73) Professional Dietetics S.p.A.	(21) EP18804851.6	(72) GENG, Wenjun
(72) GIORGETTI, Paolo Luca Maria	(47) 13.04.2022	YANG, Ling
(31) 201700087359	(87) US2018058887	WANG, Xiangjian
(32) 28.07.2017	09.05.2019	WANG, Xunqiang
(33) Italy	(22) 02.11.2018	XU, Zhongnan
(51) A61K 31/352	(54) COMPOSITIONS AND METHODS FOR	(31) 201610013628
A61K 31/05	THE INHIBITION OF PRURITUS	(32) 08.01.2016
A61P 25/28	(73) The United States of America, as	(33) China
A61K 45/06	represented by The Secretary,	(51) A61K 31/56
A61K 9/00	Department of Health and Human	A61K 31/4155
A61K 36/185	Services	A61K 31/4439
A61P 43/00	(72) INGLESE, James	C07D 401/14
(11) EP3215148	DRANCHAK, Patricia	A61P 1/16
(21) EP15856362.7	SOLINSKI, Hans Juergen	A61P 11/00
(47) 13.04.2022	HOON, Mark A.	A61P 13/10
(87) IB2015058453	(31) 201815979105	A61P 17/04
12.05.2016	201862667843 P	A61P 17/00
(22) 02.11.2015	201762581420 P	A61P 17/06
(54) USE OF LOW DOSE OF	(32) 14.05.2018	A61P 25/00
TETRAHYDROCANNABINOL FOR THE	07.05.2018	A61P 29/00
TREATMENT OF COGNITIVE DECLINE	03.11.2017	A61P 19/02
IN ELDERLY PATIENTS	(33) United States of America	A61P 37/02
(73) Ramot at Tel-Aviv University Ltd.	United States of America	A61P 27/02
(72) SARNE, Yosef	United States of America	A61P 15/00
(31) 201462074134 P	(51) A61K 31/439	A61P 9/00
(32) 03.11.2014	A61K 31/4545	A61P 21/00
(33) United States of America	A61P 35/00	A61P 37/08
(51) A61K 31/355	(11) EP3355902	A61P 27/06
A61K 47/14	(21) EP16779272.0	(11) EP3302490
A61K 47/24	(47) 13.04.2022	(21) EP16800640.1
A61P 31/04	(87) US2016053939	(47) 13.04.2022
A61P 31/10	06.04.2017	(87) US2016033933
A61K 9/00	(22) 27.09.2016	01.12.2016
A61K 9/06	(54) COMBINATION OF A PD-1 AXIS	(22) 24.05.2016
(11) EP3630092	BINDING ANTAGONIST AND AN ALK	(54) AUTOTAXIN INHIBITORS AND USES
(21) EP18727014.5	INHIBITOR FOR TREATING ALK-	THEREOF
(47) 13.04.2022	NEGATIVE CANCER	(73) Sabre Therapeutics LLC
(87) EP2018063926	(73) Pfizer Inc.	(72) EVANS, Jillian Frances
06.12.2018	Merck Patent GmbH	BAIN, Gretchen
(22) 28.05.2018	(72) QU, Yan	LONERGAN, David
(54) FORMULATION BASED ON VITAMIN	LIN, Chia-Yang	HUTCHINSON, John Howard
E OR AN ESTER THEREOF FOR	PRIOR, Wei Wei Wu	(31) 201562167216 P
TREATING BACTERIAL AND FUNGAL	WANG, Changyu	(32) 27.05.2015
BIOFILMS	(31) 201662393609 P	(33) United States of America
(73) HULKA S.R.L.	201662385430 P	(51) A61K 31/704
(72) PANIN, Giorgio	201562235406 P	A61K 9/00
(31) 201700058311	(32) 12.09.2016	A61K 47/14
(32) 29.05.2017	09.09.2016	A61K 9/107
(33) Italy	30.09.2015	A61K 47/44
(51) A61K 31/422	(33) United States of America	A61P 35/00
A61P 43/00	United States of America	A61K 49/00
A61P 17/04	United States of America	A61K 51/12
A61K 31/5517	(51) A61K 31/4709	(11) EP3102214
A61K 31/5513	A61P 35/00	(21) EP15704280.5
A61K 31/55	(11) EP3400942	(47) 13.04.2022
A61K 31/519	(21) EP17735839.7	(87) EP2015052527
		13.08.2015

(22) 06.02.2015	A61K 38/17	(47) 13.04.2022
(54) COMPOSITION FOR VECTORIZING AN ANTI-CANCER AGENT	A61K 38/18	(87) EP2018069228
(73) Guerbet	A61P 25/00	24.01.2019
(72) MAYER, Jean-François	A61P 25/28	(22) 16.07.2018
ROBIC, Caroline	(11) EP3423074	(54) TARGETING SYNAPTOGYRIN-3 IN TAUOPATHY TREATMENT
(31) 1450972	(21) EP17714288.2	(73) VIB VZW
(32) 07.02.2014	(47) 13.04.2022	Katholieke Universiteit Leuven,
(33) France	(87) IB2017051246	K.U.Leuven R&D
(51) A61K 35/33	08.09.2017	(72) VERSTREKEN, Patrik
A61K 35/38	(22) 03.03.2017	ZHOU, Lujia
A61P 19/02	(54) INHIBITOR OF ASTROCYTE TNF	MCINNES, Joseph
(11) EP3532080	ALPHA FOR USE IN THE TREATMENT	(31) 17181659
(21) EP17801349.6	OF NEUROLOGICAL DISEASES	(32) 17.07.2017
(47) 13.04.2022	(73) Cattaneo, Antonino	(33) European Patent Office (EPO)
(87) EP2017077336	(72) CAPSONI, Simona	(51) A61K 38/18
03.05.2018	CATTANEO, Antonino	A61P 9/06
(22) 25.10.2017	(31) UA20161364	(11) EP3199174
(54) COMPOSITION OF GINGIVAL FIBROBLASTS FOR THE TREATMENT OF A MUSCULOSKELETAL DISEASE IN A HORSE	(32) 04.03.2016	(21) EP15845381.1
(73) Scarcell Therapeutics	(33) Italy	(47) 13.04.2022
(72) LAFONT, Antoine	(51) A61K 38/08	(87) CN2015088972
COULOMB, Bernard	A61K 38/01	31.03.2016
(31) 1660464	A61K 35/745	(22) 06.09.2015
(32) 27.10.2016	A61K 35/747	(54) USES OF NEUREGULIN IN PREVENTING, TREATING OR DELAYING VENTRICULAR ARRHYTHMIA
(33) France	A61P 37/08	(73) Zensun (Shanghai) Science and Technology, Co., Ltd.
(51) A61K 35/76	(11) EP3082842	(72) ZHOU, Mingdong
C12N 7/04	(21) EP13811165.3	(31) 201410529437
(11) EP3094338	(47) 13.04.2022	(32) 24.09.2014
(21) EP15701244.4	(87) EP2013076643	(33) China
(47) 13.04.2022	25.06.2015	(51) A61K 39/00
(87) GB2015050094	(22) 16.12.2013	A61P 35/00
23.07.2015	(54) NEWLY IDENTIFIED PEPTIDES FOR USE IN THE INDUCTION OF ORAL TOLERANCE	C07K 16/28
(22) 16.01.2015	(73) Société des Produits Nestlé S.A.	(11) EP3661544
(54) ASSAY AND MEDICAMENT	(72) PANCHAUD, Alexandre	(21) EP18752950.8
(73) The University Of Warwick	BLANCHARD, Carine	(47) 13.04.2022
(72) EASTON, Andrew J.	NUTTEN, Sophie	(87) US2018043632
DIMMOCK, Nigel J.	(51) A61K 38/17	07.02.2019
(31) 201400752	A61K 38/16	(22) 25.07.2018
(32) 16.01.2014	A61K 38/46	(54) ANTI-CD137 ANTIBODIES
(33) United Kingdom	C07K 14/47	(73) Eli Lilly and Company
(51) A61K 38/00	G01N 33/68	(72) FRYE, Christopher Carl
A61K 8/64	C12N 15/12	KOTANIDES, Helen
A61K 38/17	A61P 35/00	SANDEFUR, Stephanie Lynn
A61K 8/73	(11) EP3338790	KALOS, Michael Dewain
A61Q 19/08	(21) EP18155330.6	(31) 201762539687 P
A61K 8/02	(47) 13.04.2022	(32) 01.08.2017
A61Q 7/00	(22) 20.02.2009	(33) United States of America
A61P 17/00	(54) OLIGOPEPTIDIC COMPOUNDS AND USES THEREOF	(51) A61K 39/12
A61P 17/02	(73) APIM Therapeutics AS	A61K 39/285
A61P 19/00	(72) AAS, Per Arne	A61K 48/00
(11) EP3272352	FEYZI, Emadoldin	A01N 63/00
(21) EP17166248.9	OTTERLEI, Marit	A61K 45/00
(47) 13.04.2022	(31) 0803352	A61K 35/741
(22) 17.06.2011	100584 P	(11) EP3436065
(54) THERAPEUTIC AND COSMETIC USES AND APPLICATIONS OF CALRETICULIN	(32) 22.02.2008	(21) EP17776429.7
(73) New York University	26.09.2008	(47) 13.04.2022
(72) GOLD, Leslie, I.	(33) United Kingdom	(87) US2017024471
MICHALAK, Marek	United States of America	05.10.2017
(31) 355987 P	(51) A61K 38/17	(22) 28.03.2017
(32) 17.06.2010	C12N 15/113	(54) ANTI-CANCER ONCOLYTIC VIRUS COMBINATION THERAPIES AND ELITE RESPONDER SELECTION PLATFORMS
(33) United States of America	C07K 16/18	(73) Suzhou Prajna Biotech Co., Ltd.
(51) A61K 38/00	A61P 25/00	
A61K 38/16	A61P 25/16	
	A61P 25/28	
	(11) EP3655013	
	(21) EP18740228.4	

(72) Li, Yu Liu, Xiaoling Hu, Rebecca Hu, Minjie	(73) BioNTech Cell & Gene Therapies GmbH TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg- Universität Mainz gemeinnützige GmbH	United States of America United States of America
(31) 201662390395 P	(72) HEBICH, Lisa	(51) A61K 45/00
(32) 28.03.2016	SAHIN, Ugur	A61K 38/18
(33) United States of America	BREITKREUZ, Andrea	C12N 5/16
(51) A61K 39/12	SIMON, Petra	(11) EP3305326
C07K 14/005	OMOKOKO, Tana	(21) EP17001734.7
C12N 15/86	TÜRECI, Özlem	(47) 13.04.2022
(11) EP3407910	MROZ, Karolina Anna	(22) 23.03.2009
(21) EP17702827.1	(31) PCT/EP2015/060357	(54) TREATMENT OF INTERVERTEBRAL DISC DEGENERATION
(47) 13.04.2022	(32) 11.05.2015	(73) Kolon Tissuegene, Inc.
(87) EP2017051807	(33) World Intellectual Property Office (WIPO)	(72) NOH, Moon Jong
03.08.2017	(51) A61K 41/00	LEE, Kwan Hee
(22) 27.01.2017	A61K 47/68	KANG, Sung Woo
(54) RECOMBINANT MODIFIED VACCINIA VIRUS ANKARA (MVA) EQUINE ENCEPHALITIS VIRUS VACCINE	A61K 47/69	BAE, Hyun
(73) Bavarian Nordic A/S	A61P 35/00	(31) 38697 P
(72) KALLA, Markus	(11) EP3790588	(32) 21.03.2008
STEIGERWALD, Robin	(21) EP19729823.5	(33) United States of America
(31) 16185012	(47) 13.04.2022	(51) A61K 45/06
16157055	(87) IB2019053636	A61K 31/375
16153394	14.11.2019	A61P 35/00
(32) 19.08.2016	(22) 03.05.2019	A61P 35/04
24.02.2016	(54) MAGNETIC NANOPARTICLES FOR	A61K 31/65
29.01.2016	USE IN THE TREATMENT OF TUMORS	A61K 31/00
(33) European Patent Office (EPO)	(73) Fondazione IRCCS Istituto Nazionale dei	(11) EP3612187
European Patent Office (EPO)	Tumori	(21) EP18786978.9
European Patent Office (EPO)	Università degli Studi di Genova	(47) 13.04.2022
(51) A61K 39/245	Consiglio Nazionale Delle Ricerche	(87) US2018028587
C12N 15/38	Universidade de Santiago de	25.10.2018
C07K 14/035	Compostela	(22) 20.04.2018
A61P 31/22	Fondazione Istituto Italiano di Tecnologia	(54) VITAMIN C AND DOXYCYCLINE: A SYNTHETIC LETHAL COMBINATION THERAPY FOR ERADICATING CANCER STEM CELLS (CSCS)
C12N 7/00	(72) FIGINI, Mariangela	(73) Lunella Biotech, Inc.
C07K 14/005	PELLEGRINO, Teresa	(72) LISANTI, Michael P.
A61K 39/12	QUARTA, Alessandra	SOTGIA, Federica
A61K 39/00	CASSANI, Marco	(31) 201762488489 P
(11) EP2782597	BARTHEL, Markus	(32) 21.04.2017
(21) EP12851895.8	GRANJA, Juan	(33) United States of America
(47) 13.04.2022	(31) 201800005104	(51) A61K 45/06
(87) US2012066241	(32) 07.05.2018	A61Q 17/00
30.05.2013	(33) Italy	A61K 8/11
(22) 21.11.2012	(51) A61K 45/00	A61K 8/19
(54) NUCLEIC ACID VACCINES AGAINST HERPES SIMPLEX VIRUS TYPE 2: COMPOSITIONS AND METHODS FOR ELICITING AN IMMUNE RESPONSE	A61K 38/00	A61K 8/02
(73) Genocoe Biosciences, Inc.	C07K 1/00	A61Q 11/00
(72) SKOBERNE, Mojca	C07H 21/04	A61K 8/34
FLECHTNER, Jessica	C12N 15/00	A61K 6/52
LONG, Deborah	C12P 21/06	A61K 8/86
(31) 201161563507 P	(11) EP3468603	A61K 6/54
(32) 23.11.2011	(21) EP17810920.3	A61K 6/69
(33) United States of America	(47) 13.04.2022	A61P 31/04
(51) A61K 39/395	(87) US2017036316	(11) EP2736519
C07K 14/725	14.12.2017	(21) EP12818358.9
C07K 7/06	(22) 07.06.2017	(47) 13.04.2022
C07K 14/47	(54) GM-CSF VARIANTS AND METHODS OF USE	(87) AU2012000895
A61P 35/00	(73) Janssen Biotech, Inc.	31.01.2013
(11) EP3795177	(72) TEPLYAKOV, Alexey	(22) 27.07.2012
(21) EP20193185.4	WUNDERLER, Nicole	(54) ALKALINE COMPOSITIONS AND THEIR DENTAL AND MEDICAL USE
(47) 13.04.2022	RUTKOSKI, Thomas	(73) B Athanassiadis Dental Pty Ltd
(22) 09.05.2016	(31) 201662423857 P	LJ Walsh Dental Pty Ltd
(54) CLAUDIN-18.2-SPECIFIC IMMUNORECEPTORS AND T CELL EPITOPES	201662374068 P	(72) WALSH, Laurence James
	201662347342 P	ATHANASSIADIS, Basil
	(32) 18.11.2016	(31) 2011902984
	12.08.2016	(32) 27.07.2011
	08.06.2016	(33) Australia
	(33) United States of America	

(51) A61K 47/00	A61K 9/20	(33) United States of America
A61K 38/17	C07C 217/74	United States of America
A61P 35/00	C07C 233/25	European Patent Office (EPO)
(11) EP3539570	C07D 231/12	European Patent Office (EPO)
(21) EP17870533.1	C07D 471/04	European Patent Office (EPO)
(47) 13.04.2022	(11) EP3694557	European Patent Office (EPO)
(87) CN2017110532	(21) EP18867198.6	European Patent Office (EPO)
17.05.2018	(47) 13.04.2022	European Patent Office (EPO)
(22) 10.11.2017	(87) CA2018051279	
(54) PEGYLATED ENDOSTATIN ANALOGUE	18.04.2019	(51) A61K 47/60
AND APPLICATION THEREOF	(22) 11.10.2018	A61K 47/54
(73) Beijing Protgen Ltd.	(54) STARCH-BASED RELEASE	A61K 49/18
(72) WANG, Wenchao	MODIFYING EXCIPIENTS AND	A61K 33/26
LI, Hui	PHARMACEUTICAL COMPOSITIONS	A61P 7/06
CHANG, Guodong	DERIVED THEREFROM	(11) EP2819707
ZHOU, Daifu	(73) Altus Formulation Inc.	(21) EP13709341.5
(31) 201610997233	(72) GERVAIS, Sonia	(47) 13.04.2022
(32) 10.11.2016	MITRASCA, Bradut	(87) EP2013054016
(33) China	LEMIEUX, Marc	06.09.2013
(51) A61K 47/10	SMITH, Damon	(22) 28.02.2013
A61K 9/06	(31) 201716965	(54) SUPERPARAMAGNETIC
A61K 47/36	201762572037 P	NANOPARTICLES WITH PEG
A61K 47/38	(32) 16.10.2017	SUBSTITUTED ALPHA-HYDROXY
A61K 8/73	13.10.2017	PHOSPHONATE SHELLS
A61K 8/86	(33) United Kingdom	(73) General Electric Company
(11) EP3145548	United States of America	(72) HAY, Bruce, Allan
(21) EP15727329.3	(51) A61K 47/54	LUTTRELL, Michael, Todd
(47) 13.04.2022	A61K 47/55	MEYER, Daniel Eugene
(87) EP2015061282	A61K 47/68	BALES, Brian Christopher
26.11.2015	A61K 38/05	(31) 201213411004
(22) 21.05.2015	A61K 31/435	(32) 02.03.2012
(54) AQUEOUS GEL COMPOSITION AND	A61K 31/444	(33) United States of America
ITS USE	A61K 31/704	(51) A61K 48/00
(73) University of Copenhagen	B82Y 5/00	A61K 31/4745
(72) JACOBSEN, Jette	C07D 237/26	A61K 31/7068
DALBY, Kasper	C07D 257/08	A61K 31/555
VILMANN, Peter	A61P 35/00	A61K 9/127
PEDERSEN, Anne Marie Lynge	A61P 43/00	A61K 31/496
BAR-SHALOM, Daniel	(11) EP2709667	A61K 31/4965
(31) 14169457	(21) EP12725515.6	A61K 31/497
(32) 22.05.2014	(47) 13.04.2022	C07D 403/12
(33) European Patent Office (EPO)	(87) IB2012052446	A61P 35/00
(51) A61K 47/10	22.11.2012	(11) EP3402532
A61K 47/12	(22) 16.05.2012	(21) EP17738831.1
A61K 47/26	(54) BIO-ORTHOGONAL DRUG	(47) 13.04.2022
A61K 9/08	ACTIVATION	(87) US2017012939
A61K 31/185	(73) Tagworks Pharmaceuticals B.V.	20.07.2017
A61K 49/00	(72) VERSTEEGEN, Ronny, Mathieu	(22) 11.01.2017
G01N 33/50	TEN HOEVE, Wolter	(54) INHIBITING ATAXIA TELANGIECTASIA
(11) EP3554476	ROSSIN, Raffaella	AND RAD3-RELATED PROTEIN (ATR)
(21) EP17829291.8	JANSSEN, Henricus, Marie	(73) Celator Pharmaceuticals, Inc.
(47) 13.04.2022	ROBILLARD, Marc, Stefan	(72) ALKAN, Ozan
(87) IB2017057935	(31) 201161515458 P	GENG, Bolin
21.06.2018	201161515432 P	KOSHKARYEV, Alexander
(22) 14.12.2017	11192577	TIPPARAJU, Suresh, K.
(54) OPHTHALMIC SOLUTION OF	11192572	KIRPOTIN, Dmitri B.
LISSAMINE GREEN AND ITS USE IN	11176736	DRUMMOND, Daryl C.
OPHTHALMOLOGY	11176741	(31) 201762444172 P
(73) Oftalab Srl	11166942	201662420258 P
(72) BARABINO, Stefano	11166241	201662277262 P
(31) 201600127037	(32) 05.08.2011	(32) 09.01.2017
(32) 15.12.2016	05.08.2011	10.11.2016
(33) Italy	08.12.2011	11.01.2016
(51) A61K 47/36	08.12.2011	(33) United States of America
A61K 31/137	05.08.2011	United States of America
A61K 31/167	05.08.2011	United States of America
A61K 31/437	20.05.2011	
A61K 31/635	16.05.2011	(51) A61K 49/10
		A61K 38/08
		A61K 49/18

(11) EP3328441	Haas, Andreas	(11) EP3461512
(21) EP16757566.1	(72) Burchard, Michael	(21) EP18196863.7
(47) 13.04.2022	Kasperk, Christian	(47) 13.04.2022
(87) EP2016068356	Haas, Andreas	(22) 26.09.2018
02.02.2017	(51) A61L 27/18	(54) SYSTEMS FOR MONITORING AND
(22) 01.08.2016	A61F 2/14	CONTROLLING FLUID BALANCE
(54) METHOD FOR THE DIAGNOSIS	A61F 2/16	DURING A BIOLOGICAL FLUID
OF CARCINOMAS USING IRGD	C08L 83/04	PROCEDURE
AND MAGNETIC RESONANCE	G02C 7/04	(73) Fenwal, Inc.
TOMOGRAPHY (MRT)	A61L 27/34	(72) ALI, Zahra R.
(73) Piiper, Albrecht	(11) EP3344302	NGUYEN, Lan T.
(72) SCHMITHALS, Christian	(21) EP16762875.9	(31) 201762567081 P
VOGL, Thomas J.	(47) 13.04.2022	(32) 02.10.2017
PIIPER, Albrecht	(87) IB2016055154	(33) United States of America
(31) 15179205	09.03.2017	(51) A61M 1/14
(32) 30.07.2015	(22) 29.08.2016	A61M 1/34
(33) European Patent Office (EPO)	(54) SOFT SILICONE MEDICAL DEVICES	A61M 1/36
(51) A61L 2/22	WITH DURABLE LUBRICIOUS	(11) EP3650057
A47L 11/00	COATINGS THEREON	(21) EP19209281.5
B08B 7/00	(73) Alcon Inc.	(47) 13.04.2022
A01N 25/06	(72) CHANG, Frank	(22) 16.02.2015
C12N 1/20	QIAN, Xinming	(54) SYSTEMS AND METHODS FOR
B08B 9/00	SHANKAR, Venkat	TREATING BLOOD
B08B 9/027	MATSUZAWA, Yasuo	(73) Humanity Life Extension LLC
B08B 9/08	(31) 201562214246 P	(72) SPEARMAN, Alexander Patrick
A01N 63/22	(32) 04.09.2015	(31) 201462011451 P
A01N 63/20	(33) United States of America	201461983752 P
(11) EP3573671	(51) A61L 27/18	201461940628 P
(21) EP18704600.8	A61L 29/06	(32) 12.06.2014
(47) 13.04.2022	A61L 31/06	24.04.2014
(87) IB2018050424	A61L 15/26	17.02.2014
02.08.2018	B29C 51/00	(33) United States of America
(22) 24.01.2018	(11) EP3720514	United States of America
(54) METHOD FOR CLEANING SURFACES	(21) EP18821909.1	United States of America
IN INTERIOR SPACES AND IN	(47) 13.04.2022	(51) A61M 1/36
TECHNICAL EQUIPMENTS WITH	(87) US2018063551	(11) EP3586887
BENIGN BACTERIA	13.06.2019	(21) EP19192592.4
(73) Living Technologies, coöperatieve	(22) 03.12.2018	(47) 13.04.2022
vennootschap met beperkte	(54) VACUUM MEMBRANE	(22) 25.05.2011
aansprakelijkheid	THERMOFORMED POLY-4-	(54) ANATOMIC FIT OF A PERCUTANEOUS
(72) WILLOCX, Filip Willem Maria	HYDROXYBUTYRATE MEDICAL	VAD FOR RIGHT HEART SUPPORT
DE KOSTER, Koen	IMPLANTS	(73) Abiomed, Inc.
(31) 201705044	(73) Tepha, Inc.	(72) CORBETT, Scott C.
(32) 25.01.2017	(72) RIZK, Said	(31) 396344 P
(33) Belgium	MARTIN, David P.	(32) 26.05.2010
(51) A61L 9/00	(31) 201762594191 P	(33) United States of America
A61L 2/14	(32) 04.12.2017	(51) A61M 5/172
A61L 9/03	(33) United States of America	A61M 5/152
B01J 8/00	(51) A61M 1/00	A61M 5/168
C02F 1/46	A61B 1/12	(11) EP3389743
(11) EP3307332	A61M 3/00	(21) EP16820512.8
(21) EP15894524.6	A61K 9/00	(47) 13.04.2022
(47) 13.04.2022	A61M 3/02	(87) US2016066764
(87) CA2015000369	A61B 1/00	22.06.2017
15.12.2016	(11) EP3456365	(22) 15.12.2016
(22) 09.06.2015	(21) EP18203514.7	(54) INFUSION PUMP WITH ELONGATION
(54) PLASMA REACTOR ASSEMBLY FOR	(47) 13.04.2022	SENSOR
DISINFECTING A FLUID	(22) 16.12.2014	(73) Avent, Inc.
(73) Riedel Filtertechnik GmbH	(54) COLON CLEANING DEVICES AND	(72) JUN, Paul D.
(72) Schieven, Johannes	METHODS	HSU, Kenneth C.
(51) A61L 27/12	(73) Motus GI Medical Technologies Ltd.	KHALAJ, Steve Saeed
C01B 25/32	(72) SHTUL, Boris	ROTELLA, John, A.
(11) EP3777904	(31) 201361919765 P	SHIPPY, III, James Lee
(21) EP19192028.9	(32) 22.12.2013	(31) 201562268612 P
(47) 13.04.2022	(33) United States of America	(32) 17.12.2015
(22) 16.08.2019	(51) A61M 1/02	(33) United States of America
(54) OSTEOTROPIC BONE REPLACEMENT	A61M 1/36	(51) A61M 5/20
(73) Universität Heidelberg	A61M 1/38	(11) EP2624886

(21) EP11764585.3	(54) AUTOINJECTOR	(22) 30.10.2019
(47) 13.04.2022	(73) Sanofi-Aventis Deutschland GmbH	(54) PERCUSSIVE VENTILATION
(87) EP2011067497	(72) KEMP, Thomas Mark	BREATHING HEAD
12.04.2012	(31) 13175661	(73) Percussionaire Corporation
(22) 06.10.2011	(32) 09.07.2013	(72) BAILLIE, Mark
(54) SHUTTER MECHANISM FOR AUTO-	(33) European Patent Office (EPO)	GOUGHNOUR, Shawn
INJECTOR	(51) A61M 15/00	WILSON, Giles
(73) Sanofi-Aventis Deutschland GmbH	(11) EP3503951	(31) 201916391481
(72) BRERETON, Simon Francis	(21) EP17758449.7	201862754340 P
EKMAN, Matthew	(47) 13.04.2022	(32) 23.04.2019
(31) 201161432259 P	(87) EP2017070342	01.11.2018
10187000	01.03.2018	(33) United States of America
(32) 13.01.2011	(22) 10.08.2017	United States of America
08.10.2010	(54) DEVICE FOR INHALING POWDERY	(51) A61M 16/04
(33) United States of America	SUBSTANCES	A61M 16/00
European Patent Office (EPO)	(73) Von Schuckmann, Alfred	A61M 39/24
(51) A61M 5/20	(72) Von Schuckmann, Alfred	F16K 15/14
A61M 5/142	(31) 202017102334 U	(11) EP3620195
(11) EP3618895	202017100316 U	(21) EP19189096.1
(21) EP18727498.0	202016104666 U	(47) 13.04.2022
(47) 13.04.2022	(32) 20.04.2017	(22) 30.07.2019
(87) US2018031077	20.01.2017	(54) VENTILATION DEVICE
08.11.2018	25.08.2016	(73) CEGLA Medizintechnik GmbH & Co. KG
(22) 04.05.2018	(33) Germany	(72) Cegla, Ulrich
(54) AUTO-INJECTOR	Germany	Ebinger, Andrea
(73) Regeneron Pharmaceuticals, Inc.	Germany	(31) 102018120533
(72) KANEL, Christopher	(51) A61M 15/06	(32) 23.08.2018
MARINO, Alfred	A24F 47/00	(33) Germany
ARNOTT, Rachel	A61M 11/04	(51) A61M 16/06
GRYGUS, Bryan, C.	(11) EP3341060	(11) EP2501425
LANGLEY, Trevor	(21) EP16758250.1	(21) EP10830940.2
HALBIG, Daniel	(47) 13.04.2022	(47) 13.04.2022
GORALTCHOUK, Alexei	(87) GB2016052648	(87) AU2010001172
GILDERSLEEVE, Richard	02.03.2017	26.05.2011
BURGESS, Bart, E.	(22) 25.08.2016	(22) 10.09.2010
BARTON, Scott	(54) INHALER APPARATUS	(54) MASK SYSTEM
(31) 201762502278 P	(73) NERUDIA LIMITED	(73) ResMed Pty Ltd
(32) 05.05.2017	(72) SUDLOW, Tom	(72) WEHBEH, Jamie, Graeme
(33) United States of America	LORD, Christopher	EVES, Matthew
(51) A61M 5/20	JONES, David	SCHEINER, Rupert, Christian
A61M 5/24	SCOTT, Kenneth	D'SOUZA, Errol, Savio, Alex
A61M 5/315	MCDONALD, Stephen	(31) 2009906101
(11) EP3484547	(31) 201515274	282693 P
(21) EP17739840.1	(32) 27.08.2015	263175 P
(47) 13.04.2022	(33) United Kingdom	(32) 15.12.2009
(87) US2017041081	(51) A61M 16/00	18.03.2010
18.01.2018	(11) EP3897795	20.11.2009
(22) 07.07.2017	(21) EP19829543.8	(33) Australia
(54) DOSE DETECTION MODULE FOR A	(47) 13.04.2022	United States of America
MEDICATION DELIVERY DEVICE	(87) EP2019086189	United States of America
(73) Eli Lilly and Company	25.06.2020	(51) A61M 16/06
(72) BYERLY, Roy Howard	(22) 19.12.2019	(11) EP3347076
PACCIORRETTI, Davide	(54) PRESSURE SUPPORT, MECHANICAL	(21) EP16843779.6
MASSARI, Rossano	INEXSUFFLATION, AND SUCTIONING	(47) 13.04.2022
(31) 201762466658 P	SYSTEM	(87) IB2016055369
201662362808 P	(73) Koninklijke Philips N.V.	16.03.2017
(32) 03.03.2017	(72) LEE, Seunghyun	(22) 09.09.2016
15.07.2016	(31) 201862783228 P	(54) NASAL SEAL, MASK AND
(33) United States of America	(32) 21.12.2018	RESPIRATORY INTERFACE
United States of America	(33) United States of America	ASSEMBLY
(51) A61M 5/20	(51) A61M 16/00	(73) Fisher & Paykel Healthcare Limited
A61M 5/50	A61M 16/12	(72) MCLAREN, Mark Arvind
A61M 5/315	A61M 11/06	THOMPSON, Mark Andrew
A61M 5/32	A61M 16/20	GORDON, Callum Ross
(11) EP3434301	A61M 16/08	GRAHAM, Ryan Anthony
(21) EP18187979.2	(11) EP3646912	GALGALI, Amit
(47) 13.04.2022	(21) EP19206335.2	SINTIVE, Bruno
(22) 07.07.2014	(47) 13.04.2022	(31) 201662381496 P

201662310549 P	(73) QUALIMED Innovative Medizinprodukte	(54) LEVER LOCK-TYPE MALE
201662300578 P	Gesellschaft mit beschränkter Haftung	CONNECTOR AND MALE
201562217656 P	(72) SCHMITT, Martina, Maria	CONNECTOR ASSEMBLY
(32) 30.08.2016	GÜLCHER, Manfred	(73) JMS Co., Ltd.
18.03.2016	(31) 102011111534	(72) TAKEUCHI Masahiko
26.02.2016	(32) 31.08.2011	(31) 2015100945
11.09.2015	(33) Germany	(32) 18.05.2015
(33) United States of America	(51) A61M 25/00	(33) Japan
United States of America	A61M 29/02	(51) A61N 1/05
United States of America	A61B 17/22	(11) EP3442648
United States of America	(11) EP2497520	(21) EP17718785.3
(51) A61M 16/06	(21) EP12170204.7	(47) 13.04.2022
A61M 16/08	(47) 13.04.2022	(87) US2017027339
(11) EP3902588	(22) 18.07.2008	19.10.2017
(21) EP19829544.6	(54) SYSTEMS FOR ESTABLISHING	(22) 13.04.2017
(47) 13.04.2022	RETROGRADE CAROTID ARTERIAL	(54) MEDICAL DEVICE LEAD CONNECTION
(87) EP2019086197	BLOOD FLOW	ASSEMBLY
02.07.2020	(73) Silk Road Medical, Inc.	(73) Medtronic, Inc.
(22) 19.12.2019	(72) Hyde, Gregory, M	(72) STONE, Richard T.
(54) PATIENT INTERFACE DEVICE HAVING	Chou, Tony, M	HUMPHRYS, Seth M.
MAGNETIC COUPLING FEATURES	Renati, Richard	JANZIG, Darren
(73) Koninklijke Philips N.V.	Criado, Enrique	DAVIES, Robert J.
(72) HAIBACH, Richard, Thomas	Schaer, Alan	(31) 201662323080 P
(31) 201862784572 P	Garrison, Michi, E.	(32) 15.04.2016
(32) 24.12.2018	(31) 26308 P	(33) United States of America
(33) United States of America	950384 P	(51) A61N 1/05
(51) A61M 16/16	(32) 05.02.2008	H01R 24/58
(11) EP3824933	18.07.2007	H01R 43/24
(21) EP20214993.6	(33) United States of America	A61N 1/36
(47) 13.04.2022	United States of America	H01R 24/86
(22) 26.10.2018	(51) A61M 25/00	B29C 45/14
(54) RESPIRATORY VENTILATION	A61M 31/00	(11) EP3675949
APPARATUS AND METHOD FOR	A61B 17/34	(21) EP18750024.4
OPERATING THEREOF	A61H 39/08	(47) 13.04.2022
(73) BMC Medical Co., Ltd.	A61N 1/05	(87) US2018042689
(72) Coleman, James Martin	(11) EP3626297	07.03.2019
Chang, Min	(21) EP19209418.3	(22) 18.07.2018
Zhuang, Zhi	(47) 13.04.2022	(54) MEDICAL LEAD WITH SEGMENTED
Zhi, Jianxin	(22) 22.10.2015	ELECTRODES
Liu, Lijun	(54) DEVICE FOR CONTROLLED DELIVERY	(73) Medtronic Inc.
(51) A61M 16/16	OF MEDICAL DEVICES	(72) BOLEA, Stephen L.
A61M 16/00	(73) Cogentix Medical, Inc.	SKUBITZ, Sean P.
A61M 16/08	(72) ROYCHOWDHURY, Suranjan	PATEL, Jayesh R.
(11) EP3725353	(31) 201462069597 P	SILVERBERG, Jacob
(21) EP18889529.6	(32) 28.10.2014	OSTER, Daniel C.
(47) 13.04.2022	(33) United States of America	CLAUS, Justin M.
(87) CN2018120005	(51) A61M 25/01	NOVOTNY, Jeffrey M.
20.06.2019	(11) EP3300762	ROWE, Robert R.
(22) 10.12.2018	(21) EP17193523.2	STARKSON, Wayne M.
(54) VENTILATOR SYSTEM	(47) 13.04.2022	(31) 201816030334
(73) BMC Medical Co., Ltd.	(22) 31.10.2007	201762552139 P
(72) ZHI, Jianxin	(54) INSERT MOLDED CATHETER PULLER	(32) 09.07.2018
ZHUANG, Zhi	MEMBER CONNECTORS AND	30.08.2017
(31) 201711330086	METHOD OF MAKING	(33) United States of America
(32) 13.12.2017	(73) Biosense Webster, Inc.	United States of America
(33) China	(72) SELKEE, Thomas, V.	(51) A61N 1/08
(51) A61M 25/00	(31) 555059	A61N 1/37
A61M 25/01	(32) 31.10.2006	A61N 1/372
A61M 1/00	(33) United States of America	(11) EP2750757
A61B 17/22	(51) A61M 39/10	(21) EP12759302.8
(11) EP2750751	(11) EP3299060	(47) 13.04.2022
(21) EP12761899.9	(21) EP16796365.1	(87) US2012052099
(47) 13.04.2022	(47) 13.04.2022	07.03.2013
(87) EP2012003656	(87) JP2016064022	(22) 23.08.2012
07.03.2013	24.11.2016	(54) SYSTEM AND METHOD FOR THE
(22) 31.08.2012	(22) 11.05.2016	REMOTE PROGRAMMING OF MRI
(54) ASPIRATION CATHETER		SETTINGS OF AN IMPLANTABLE
		MEDICAL DEVICE

(73) Cardiac Pacemakers, Inc.	(73) Advanced Neuromodulation Systems, Inc.	TRAULSEN, Tim
(72) LALONDE, John	(72) CHEERAN, Binit J.	DELMAN, Gregory Jay
KALGREN, James	(31) 201762579617 P	OERTMANN, Torsten
HOYME, Kenneth P.	(32) 31.10.2017	(31) 201962888549 P
(31) 201213591469	(33) United States of America	19197335
201161529592 P	(51) A61N 1/362	(32) 19.08.2019
(32) 22.08.2012	A61B 6/03	13.09.2019
31.08.2011	A61B 6/00	(33) United States of America
(33) United States of America	A61B 5/00	European Patent Office (EPO)
United States of America	A61N 1/39	(51) A61N 1/375
(51) A61N 1/18	A61B 5/02	H01L 23/10
A61B 18/14	A61B 5/029	(11) EP3573710
A61B 18/18	A61B 5/0215	(21) EP18713395.4
A61N 1/04	(11) EP3068484	(47) 13.04.2022
A61N 7/00	(21) EP14862497.6	(87) US2018014355
A61N 1/36	(47) 13.04.2022	02.08.2018
A61B 18/08	(87) US2014065841	(22) 19.01.2018
A61B 18/00	21.05.2015	(54) MEDICAL DEVICE INCLUDING
A61N 7/02	(22) 14.11.2014	FEEDTHROUGH ASSEMBLY
A61N 5/00	(54) PATIENT-SPECIFIC MODELING TO	(73) Medtronic, Inc.
A61B 18/12	PREDICT OUTCOMES OF CARDIAC	(72) NIELSEN, Christian S.
A61B 18/20	RESYNCHRONIZATION THERAPY	TISCHENDORF, Brad C.
(11) EP3171932	(73) The Regents of the University of	(31) 201715418265
(21) EP15872090.4	California	(32) 27.01.2017
(47) 13.04.2022	(72) VILLONGCO, Christopher	(33) United States of America
(87) IL2015050763	McCULLOCH, Andrew D.	(51) A61P 1/00
30.06.2016	NARAYAN, Sanjiv	A61P 5/50
(22) 23.07.2015	OMENS, Jeffrey	A61P 25/00
(54) DEVICE FOR DELIVERY OF	KERCKHOFFS, Roy	A61P 17/00
STIMULATION TO A BODY TISSUE	KRUMMEN, David	A61P 19/02
(73) Solomon, Sasi	KRISHNAMURTHY, Adarsh	A61P 3/10
(72) Solomon, Sasi	(31) 201361905138 P	A61P 27/02
(31) 201562103676 P	(32) 15.11.2013	A61K 35/62
201462028433 P	(33) United States of America	A61P 37/00
(32) 15.01.2015	(51) A61N 1/375	A61P 11/02
24.07.2014	A61N 1/05	(11) EP3071225
(33) United States of America	(11) EP3442651	(21) EP14864626.8
United States of America	(21) EP17719141.8	(47) 13.04.2022
(51) A61N 1/32	(47) 13.04.2022	(87) US2014066320
A61N 1/36	(87) US2017027348	28.05.2015
(11) EP3362138	19.10.2017	(22) 19.11.2014
(21) EP16790679.1	(22) 13.04.2017	(54) HOMOGENATE OF AXENIC C.
(47) 13.04.2022	(54) MEDICAL DEVICE LEAD ASSEMBLY	ELEGANS, COMPOSITIONS AND
(87) GB2016053185	WITH VARIABLE PITCH COIL	THERAPEUTIC USES THEREOF
20.04.2017	(73) Medtronic, Inc.	(73) The Henry M. Jackson Foundation for the
(22) 14.10.2016	(72) DAVIES, Robert J.	Advancement of Military Medicine, Inc.
(54) KIT FOR PROMOTING NERVE	STONE, Richard T.	(72) MITRE, Edward E.
REGENERATION USING ELECTRICAL	HUMPHRYS, Seth M.	TORRERO, Marina
STIMULATION	JANZIG, Darren	JACKSON, Belinda
(73) Oxford Bioelectronics Ltd	(31) 201662323096 P	(31) 201361906739 P
(72) SEBASTIAN, Anil	(32) 15.04.2016	(32) 20.11.2013
BAYAT, Ardeshir	(33) United States of America	(33) United States of America
(31) 201518263	(51) A61N 1/375	(51) A61P 3/00
(32) 15.10.2015	A61N 1/378	A61P 21/00
(33) United Kingdom	H01M 10/04	A61P 25/16
(51) A61N 1/36	H01M 10/052	A61K 9/50
A61N 1/372	H01M 10/42	A61K 31/192
A61N 1/05	H01M 50/155	A61K 47/32
(11) EP3703811	(11) EP3782700	(11) EP3429559
(21) EP18857428.9	(21) EP20185661.4	(21) EP16894786.9
(47) 13.04.2022	(47) 13.04.2022	(47) 13.04.2022
(87) US2018058400	(22) 14.07.2020	(87) US2016057415
09.05.2019	(54) BATTERY WITH INTEGRATED	21.09.2017
(22) 31.10.2018	ELECTRONIC MODULE	(22) 17.10.2016
(54) APPARATUS FOR PROGRAMMING A	(73) BIOTRONIK SE & Co. KG	(54) PALATABLE COMPOSITIONS
DEEP BRAIN STIMULATION SYSTEM	(72) DÖRR, Thomas	INCLUDING SODIUM
AND A CLINICIAN PROGRAMMER	FRYER, Alan	PHENYLBUTYRATE AND USES
DEVICE		THEREOF

(73) Acer Therapeutics Inc.	19.04.2018	(87) CA2005001442
(72) SCHELLING, D. Christopher	(22) 12.10.2017	08.06.2006
SHOCKEY, Joshua R.	(54) FALL PROTECTION EQUIPMENT	(22) 21.09.2005
APPEL, Leah E.	EVENT GENERATION AND	(54) SYSTEM, METHOD AND HANDHELD
(31) 201662308614 P	MONITORING	CONTROLLER FOR MULTI-PLAYER
(32) 15.03.2016	(73) 3M Innovative Properties Company	GAMING
(33) United States of America	(72) ANDERSON, Nathan J.	(73) Timeplay Inc.
(51) A61Q 13/00	HU, Jia	(72) RACE, John Andrew
A61K 8/11	MATTSON, Keith G.	RIDER, Mark
C08L 35/06	BLACKFORD, Matthew J.	SNODDY, Jon Hayes
C11D 1/00	JESME, Ronald D.	HUSSMAN, Jonathan Ira
A61K 8/81	(31) 201662408442 P	(31) 697037 P
A61Q 5/02	(32) 14.10.2016	611945 P
A61Q 15/00	(33) United States of America	(32) 06.07.2005
A61Q 19/00	(51) A62C 3/07	21.09.2004
C11D 3/50	A62C 13/76	(33) United States of America
C11D 17/00	A62C 35/68	United States of America
A61Q 5/12	(11) EP3299066	(51) A63F 13/23
(11) EP3191191	(21) EP17191945.9	A63F 13/24
(21) EP14795696.5	(47) 13.04.2022	A63F 13/92
(47) 13.04.2022	(22) 19.09.2017	A63F 13/98
(87) US2014058717	(54) BRACKET INTERLOCK SYSTEMS	(11) EP3858451
09.04.2015	(73) Kidde Technologies, Inc.	(21) EP21165282.1
(22) 02.10.2014	(72) BAXENDELL, Doug John	(47) 13.04.2022
(54) BENEFIT AGENT CONTAINING	FRASURE, David William	(22) 10.06.2016
DELIVERY PARTICLE BASED ON	(31) 201615273001	(54) SUPPORTING DEVICE, CHARGING
STYRENE MALEIC ANHYDRIDE	(32) 22.09.2016	DEVICE AND CONTROLLER SYSTEM
COPOLYMER	(33) United States of America	(73) Nintendo Co., Ltd.
(73) The Procter & Gamble Company	(51) A62C 4/00	(72) TAKEI, Masaya
(72) ORLANDINI, Laura	(11) EP2566585	HIROSE, Shinji
SMETS, Johan	(21) EP11718060.4	AKAMA, Tetsuya
GUINEBRETIERE, Sandra, Jacqueline	(47) 13.04.2022	IWAO, Toshiaki
SANDS, Peggy, Dorothy	(87) EP2011057054	TSUCHIYA, Hitoshi
PINTENS, An	10.11.2011	FUJITA, Kumpei
(31) 201361886803 P	(22) 03.05.2011	IKUTA, Hiroki
(32) 04.10.2013	(54) PRESSURE-RELIEF DEVICE WITH	(31) 2015119707
(33) United States of America	FLAME ARRESTOR FOR A HOUSING	(32) 12.06.2015
(51) A61Q 19/00	ENCLOSED IN A PRESSURE-PROOF	(33) Japan
A61Q 19/08	MANNER	(51) A63F 13/30
A61Q 19/10	(73) R. Stahl Schaltgeräte GmbH	A63F 13/26
A61K 8/97	(72) HORNIG, Julia	A63F 13/23
A61K 36/27	MARKUS, Detlef	A63F 13/216
(11) EP3579929	WÜRZ, Helmut	A63F 13/21
(21) EP18704205.6	LIMBACHER, Bernd	G06F 3/01
(47) 13.04.2022	KLAUSMEYER, Uwe	G02B 27/01
(87) EP2018052887	HERMANN, Wolf	(11) EP3746196
16.08.2018	(31) 102010016782	(21) EP18837132.2
(22) 06.02.2018	(32) 04.05.2010	(47) 13.04.2022
(54) MARSDENIA CUNDURANGO	(33) Germany	(87) US2018068008
(73) ISP Investments LLC	(51) A62C 35/68	08.08.2019
Jafer Enterprises R&D, S.L. (Sociedad	(11) EP3468676	(22) 28.12.2018
Unipersonal)	(21) EP17731406.9	(54) HEAD-MOUNTED DISPLAY
(72) IMBERT, Isabelle	(47) 13.04.2022	TO CONTROLLER CLOCK
GARNIER, Sébastien	(87) US2017036584	SYNCHRONIZATION OVER EM FIELD
DUROURE, Leslie	14.12.2017	(73) Sony Interactive Entertainment Inc.
CLAY, Anne	(22) 08.06.2017	(72) MATSUKAWA, Takeo
MUR, Ludivine	(54) SPRINKLER HEAD ADAPTER	STAFFORD, Jeffrey
DOMLOGE, Nouha	(73) Tyco Fire Products LP	NAKAMURA, Yuichiro
CUCUMEL, Karine	(72) PRESSNELL, Kevin, W.	(31) 201815887877
CICCHETTI, Esmeralda	(31) 201662348624 P	(32) 02.02.2018
(31) 1770125	(32) 10.06.2016	(33) United States of America
(32) 09.02.2017	(33) United States of America	(51) A63F 13/30
(33) France	(51) A63F 13/22	A63F 13/40
(51) A62B 35/00	A63F 13/30	A63F 13/50
(11) EP3525891	A63F 13/23	A63F 13/60
(21) EP17788074.7	(11) EP1804945	G06T 19/00
(47) 13.04.2022	(21) EP05850107.3	H04L 29/06
(87) US2017056376	(47) 13.04.2022	G06T 11/00

(11) EP2919874	(47) 13.04.2022	(11) EP3771485
(21) EP13801921.1	(87) US2013051675	(21) EP20185186.2
(47) 13.04.2022	30.01.2014	(47) 13.04.2022
(87) US2013069947	(22) 23.07.2013	(22) 10.07.2020
22.05.2014	(54) FILTER HOUSING, FLUTED FILTER	(54) PROCESS FOR OBTAINING
(22) 13.11.2013	AND SAFETY FILTER	CARBON DIOXIDE FROM FURNACE
(54) SYSTEMS AND METHODS FOR	(73) Baldwin Filters, Inc.	COMBUSTION FUMES
CLOUD PROCESSING AND	(72) MERRITT, Steven J.	(73) Leonardo S.p.A.
OVERLAYING OF CONTENT ON	CALCATERRA, Farrell	(72) DATTILO, Alessandro
STREAMING VIDEO FRAMES	(31) 201261675679 P	(31) 201900013281
OF REMOTELY PROCESSED	(32) 25.07.2012	(32) 30.07.2019
APPLICATIONS	(33) United States of America	(33) Italy
(73) Sony Interactive Entertainment LLC	(51) B01D 47/00	(51) B01D 53/26
(72) RIMON, Noam	B01D 53/00	B01D 53/04
PEREIRA, Rui Filipe Andrade	F23J 15/00	H01F 27/14
PERRY, David	F24H 8/00	(11) EP3789103
(31) 201313767806	F24H 9/00	(21) EP19195300.9
201261727370 P	F28C 3/00	(47) 13.04.2022
(32) 14.02.2013	F28D 3/00	(22) 04.09.2019
16.11.2012	F28D 7/00	(54) A BREATHER DEVICE FOR
(33) United States of America	F28D 21/00	DEHUMIDIFYING AIR TO BE SUPPLIED
United States of America	(11) EP3868459	TO AN EXPANSION VESSEL OF A
(51) B01D 15/18	(21) EP20158501.5	POWER ELECTRICAL APPARATUS
B01D 15/22	(47) 13.04.2022	(73) COMEM S.p.A.
B01D 15/14	(22) 20.02.2020	(72) Ugolin, Gianmaria
G01N 30/44	(54) DEVICE FOR UTILIZING WASTE HEAT	Nucci, Francesca
G01N 30/46	AND / OR FOR PURIFICATION OF A	Carollo, Carlo
G01N 30/60	FLUE GAS	(51) B01D 61/08
B01D 1/02	(73) Treichl, Richard	B01D 61/10
B01D 1/14	(72) Treichl, Richard	B01D 65/00
C10G 25/00	(51) B01D 47/06	B01D 63/08
(11) EP3463607	(11) EP3468691	(11) EP3316995
(21) EP17721405.3	(21) EP17739309.7	(21) EP16818423.2
(47) 13.04.2022	(47) 13.04.2022	(47) 13.04.2022
(87) EP2017060835	(87) IB2017053077	(87) US2016035133
07.12.2017	14.12.2017	05.01.2017
(22) 05.05.2017	(22) 25.05.2017	(22) 01.06.2016
(54) NOVEL PERIPHERAL DISTRIBUTION	(54) SYSTEM FOR SCRUBBING OR	(54) SEALING CASE FOR FILTER
OR COLLECTION SYSTEM FOR	FILTERING A GAS STREAM	CASSETTE
A SIMULATED MOVING BED	(73) Mayer, Erardo Mateo	(73) EMD Millipore Corporation
SEPARATION METHOD USING N-	Micheletti, Giorgio	(72) HILLIER, Brian
COLUMNS IN SERIES	(72) Micheletti, Giorgio	(31) 201562186773 P
(73) IFP Energies nouvelles	Mayer, Erardo Mateo	(32) 30.06.2015
(72) ROYON-LEBEAUD, Aude	(31) UA20164226	(33) United States of America
AUGIER, Frederic	(32) 09.06.2016	(51) B01D 69/12
LEINEKUGEL LE COCQ, Damien	(33) Italy	B01D 71/36
VONNER, Alexandre	(51) B01D 53/14	B01D 36/00
(31) 1654864	B01D 53/18	B01D 69/10
(32) 30.05.2016	C01B 32/50	B01D 39/08
(33) France	(11) EP3223931	B01D 39/16
(51) B01D 33/11	(21) EP15798487.3	D04B 1/16
B01D 33/41	(47) 13.04.2022	(11) EP2874734
B01D 33/50	(87) FI2015050674	(21) EP13823285.5
(11) EP3753622	14.04.2016	(47) 13.04.2022
(21) EP19180450.9	(22) 08.10.2015	(87) US2013051553
(47) 13.04.2022	(54) ARRANGEMENT AND PROCESS FOR	30.01.2014
(22) 17.06.2019	RECOVERY OF CARBON DIOXIDE	(22) 23.07.2013
(54) FILTER UNIT AND FILTRATION	FROM GAS USING AN ABSORPTION	(54) FILTRATION ARTICLE WITH
ASSEMBLY	TANK HOUSING AN AGITATOR	FLUOROPOLYMER KNIT
(73) Gerum GmbH	(73) Carbonreuse Finland OY	(73) Entegris, Inc.
(72) Gerganoff, Konstantin	(72) JUUTILAINEN, Timo	(72) SPECK, Steven, H.
(51) B01D 46/42	(31) 20145887	PROPST, Eric, Keith
B01D 46/24	(32) 09.10.2014	(31) 201313947733
F24F 13/20	(33) Finland	201313923810
F02M 33/00	(51) B01D 53/26	201261674677 P
B01D 46/00	B01D 53/04	(32) 22.07.2013
(11) EP2877267	F23J 15/00	21.06.2013
(21) EP13823669.0	C01B 32/55	23.07.2012

(33) United States of America United States of America United States of America	(72) RATHKE, Jonas RANDIG, Cornelius MELCHER, Berthold WESTERATH, Federico KUSCHE, Matthias	DARDELLE, Gregory MAIO, Serge
(51) B01F 5/04 B01F 5/06 B01F 3/04 F01N 3/20 F01N 3/28	(31) 102015219305 (32) 06.10.2015 (33) Germany	(31) 16153927 (32) 02.02.2016 (33) European Patent Office (EPO)
(11) EP3520888 (21) EP19152200.2 (47) 13.04.2022 (22) 17.01.2019 (54) MIXER (73) Purem GmbH (72) Solipuram, Vijaya Bhaskar Vempati, Krishna Kumar Kurpejovic, Enver	(51) B01J 13/00 B82Y 5/00 C23C 14/00 C23C 14/34 (11) EP3351298 (21) EP16837077.3 (47) 13.04.2022 (87) JP2016073737 23.02.2017 (22) 12.08.2016 (54) METHOD FOR PRODUCING LIQUID NANOCLUSTER DISPERSION, AND DEVICE FOR PRODUCING LIQUID NANOCLUSTER DISPERSION (73) Japan Science and Technology Agency Ayabo Corporation (72) AKATSUKA Hiroki TSUNOYAMA Hironori TSUKAMOTO Keizo NAKAJIMA Atsushi	(51) B01J 19/00 B81B 1/00 C07C 1/32 C07C 15/12 C07C 17/26 C07C 22/08 C07C 25/22 C07C 41/30 C07C 43/225 C40B 60/02 G01N 37/00 C12M 1/00 C12N 15/09 B01L 3/00 B81C 3/00 (11) EP2168673 (21) EP08777189.5 (47) 13.04.2022 (87) JP2008060828 18.12.2008 (22) 13.06.2008 (54) A METHOD OF PRODUCING A MICRO- PASSAGE CHIP (73) HiPep Laboratories Nippon Light Metal Company, Ltd. (72) NOKIHARA, Kiyoshi OKA, Yasuo
(31) 102018101253 (32) 22.01.2018 (33) Germany	(31) 2015160680 (32) 17.08.2015 (33) Japan	(31) 2007158228 (32) 15.06.2007 (33) Japan
(51) B01F 7/02 B01F 7/04 B01F 7/00 B01F 15/06 (11) EP3578250 (21) EP17878701.6 (47) 13.04.2022 (87) JP2017023742 14.06.2018 (22) 28.06.2017 (54) MIXING IMPELLER AND PROCESSING DEVICE (73) Microwave Chemical Co., Ltd. (72) IMAI, Masahiro Murata, Takanobu WATANABE, Hisao KURIHARA, Hideshi	(51) B01J 13/02 B01J 13/04 B01J 13/22 B32B 15/02 (11) EP3409349 (21) EP18174486.3 (47) 13.04.2022 (22) 28.05.2018 (54) PARTICLE FOR MANUFACTURING METAL PARTS BY 3D PRINTING AND METHOD FOR MANUFACTURING METAL PARTS (73) Commissariat à l'énergie atomique et aux énergies alternatives (72) DELLEA, Olivier GAILLARD, Gilles PONCELET, Olivier TISSOT, Nicolas AIXALA, Luc	(51) B01J 19/18 (11) EP3856405 (21) EP19773765.3 (47) 13.04.2022 (87) EP2019074871 02.04.2020 (22) 17.09.2019 (54) REACTOR FOR THE DEGASSING OF A POLYMER MELT AND FOR POLYCONDENSATION (73) thyssenkrupp AG Uhde Inventa-Fischer GmbH (72) HITTORFF, Martin WOLF, Balazs KOCH, Heinrich WIEGAND, Gerwin
(31) 2016237861 (32) 07.12.2016 (33) Japan	(31) 1754702 (32) 29.05.2017 (33) France	(31) 102018216250 (32) 24.09.2018 (33) Germany
(51) B01F 35/71 B01F 33/84 B01F 33/84.1 B01F 35/10 B01F 35/88 B01F 35/90 B01F 35/92 B65D 51/00 (11) EP3563929 (21) EP18170055.0 (47) 13.04.2022 (22) 30.04.2018 (54) APPARATUS FOR CUSTOMIZED PRODUCTION OF A FLAVORING AGENT MIX (73) Firmenich SA (72) Schleifenbaum, Birgit	(51) B01J 13/22 C11D 3/50 (11) EP3411138 (21) EP17703948.4 (47) 13.04.2022 (87) EP2017052287 10.08.2017 (22) 02.02.2017 (54) PROCESS FOR DRYING A SUSPENSION AT ROOM TEMPERATURE (73) Firmenich SA (72) BOUQUERAND, Pierre-Etienne ELABBADI, Amal NORMAND, Valery	(51) B01J 20/22 B01J 20/32 C02F 1/28 C02F 1/70 C02F 101/20 C02F 101/22 (11) EP3672721 (21) EP18779756.8 (47) 13.04.2022 (87) IB2018056216 28.02.2019 (22) 17.08.2018
(51) B01J 8/06 (11) EP3359288 (21) EP16778013.9 (47) 13.04.2022 (87) EP2016073896 13.04.2017 (22) 06.10.2016 (54) REACTOR DEVICE FOR DEHYDRATING A CARRIER MEDIUM (73) HYDROGENIOUS LOHC TECHNOLOGIES GMBH		

(54) USE OF COMPOSITES FOR EXTRACTION OF METAL OR CONTAMINATING CHEMICAL SPECIES	TRAN, Elizabeth (31) 201562121846 P (32) 27.02.2015 (33) United States of America	(21) EP20188220.6 (47) 13.04.2022 (22) 01.09.2016
(73) Ecole Polytechnique Fédérale de Lausanne (EPFL)	(51) B01L 3/00 G01N 33/00 C12M 1/00	(54) ASSEMBLY, INSTRUMENT FOR PERFORMING A TEMPERATURE- DEPENDENT REACTION AND METHOD FOR PERFORMING A TEMPERATURE-DEPENDENT REACTION IN AN ASSEMBLY
(72) QUEEN, Wendy Lee SUN, Daniel Teav	(11) EP3691790 (21) EP18864125.2 (47) 13.04.2022	(73) F. Hoffmann-La Roche AG
(31) 201762547988 P (32) 21.08.2017 (33) United States of America	(87) IB2018057638 11.04.2019 (22) 02.10.2018	(72) SCHLAUBITZ, Thomas WITTENWILER, Urs EBERT, Sven FEDERER, Paul VOLLENWEIDER, Stefan
(51) B01J 23/78 B01J 27/232 B01J 37/08 C01B 3/40	(54) MICROFLUIDIC DEVICE FOR GENERATING AN IN VITRO LYMPH NODE	(51) B01L 9/00 (11) EP2598246 (21) EP11743592.5 (47) 13.04.2022 (87) GB2011051427 02.02.2012 (22) 26.07.2011
(11) EP2441517 (21) EP10786207.0 (47) 13.04.2022 (87) JP2010059817 16.12.2010 (22) 10.06.2010	(73) Khalifa University of Science and Technology (72) STEFANINI, Cesare ABDULLAH, Amal SAMARA, Bisan SHANTI, Aya TEO, Jeremy CM	(54) BIOCHIP HOLDER, SEALED WELL ASSEMBLY, APPARATUS AND METHODS FOR OPENING SEALED WELLS
(54) HYDROCARBON GAS REFORMING CATALYST, METHOD FOR PRODUCING SAME, AND METHOD FOR PRODUCING SYNTHETIC GAS	(31) 201762566759 P (32) 02.10.2017 (33) United States of America	(73) Randox Laboratories Ltd. (72) WILSON, Gareth LAMONT, John MCCONNELL, Ivan FITZGERALD, Peter HOOKS, Michael (31) 201012490 (32) 26.07.2010 (33) United Kingdom
(73) Murata Manufacturing Co., Ltd. (72) SATO, Hideto SAITO, Yoshinori	(51) B01L 3/00 G01N 35/00 G01N 35/04	(51) B01L 9/00 B01L 9/06 G01N 35/10 G01N 35/04
(31) 2009191712 2009141085 (32) 21.08.2009 12.06.2009 (33) Japan Japan	(11) EP2664381 (21) EP13002588.5 (47) 13.04.2022 (22) 16.05.2013	(11) EP3441143 (21) EP17185386.4 (47) 13.04.2022 (22) 08.08.2017
(51) B01J 31/22 C08G 59/68 C08L 63/10	(54) Analysis cartridge (73) Skyla Corporation Hsinchu Science Park Branch	(54) LABORATORY INSTRUMENT BASE PLATE
(11) EP3141303 (21) EP16188680.9 (47) 13.04.2022 (22) 14.09.2016	(72) Lai, Cheng-Chang Lin, Yuh-Jiuan Huang, Fu-Chun	(73) F. Hoffmann-La Roche AG (72) SANGERMANO, Marco BERNET Roland SIEGENTHALER Simon
(54) GRUBBS-HOVEYDA TYPE CATALYST FOR METATHESIS REACTIONS IN HIGHLY REACTIVE ENVIRONMENTS	(31) 201210155013 (32) 18.05.2012 (33) China	(51) B02C 18/00 B02C 18/06 B02C 23/08 B02C 18/18 B02C 18/14 B02C 18/16
(73) Leonardo S.p.A. (72) NADDEO, Carlo RUSSO, Salvatore RAIMONDO, Marialuigia MARICONDA, Annaluisa CALABRESE, Elisa LONGO, Pasquale IANNUZZO, Generoso GUADAGNO, Liberata VERTUCCIO, Luigi	(51) B01L 3/14 G01N 33/49 (11) EP3020482 (21) EP15163806.1 (47) 13.04.2022 (22) 16.04.2015	(11) EP3760312 (21) EP20190049.5 (47) 13.04.2022 (22) 20.12.2018
(31) UB20153618 (32) 14.09.2015 (33) Italy	(54) MECHANICAL SEPARATOR FOR A BIOLOGICAL FLUID	(54) ADAPTIVE ARCHITECTURE SOLIDS DIVERTER AND COMMUNUTOR
(51) B01L 3/00 C12M 1/32 C12M 1/12	(73) Becton, Dickinson and Company (72) Nair, Arun U. Losada, Robert J.	(73) Sulzer Management AG (72) Glauberman, Corey Sabol, Rob Nydham, Todd Bowling, Brian
(11) EP3261761 (21) EP16708908.5 (47) 13.04.2022 (87) US2016019684 01.09.2016 (22) 26.02.2016	(31) 201514629643 201462079216 P (32) 24.02.2015 13.11.2014 (33) United States of America United States of America	(31) 201762608884 P (32) 21.12.2017
(54) FITTED LID FOR MULTI-WELL PLATE	(51) B01L 7/00 H01L 27/16 B01L 3/00 H01L 23/38 H05B 3/10 C12P 19/34 H01L 35/32 H05B 1/02	
(73) Corning Incorporated (72) HONG, Yulong	(11) EP3747546	

(33) United States of America	United States of America	(73) Subaru Corporation
(51) B02C 21/02	(51) B05B 15/555	(72) Matsumoto, Yohei
(11) EP3826769	B05B 15/531	(31) 2018192789
(21) EP19761968.7	B05B 12/04	(32) 11.10.2018
(47) 13.04.2022	B05B 1/14	(33) Japan
(87) IB2019056321	B05B 16/00	(51) B05C 17/005
30.01.2020	B05B 13/04	B05C 17/01
(22) 24.07.2019	B05B 1/30	(11) EP2986394
(54) A MANOEUEVERABLE CRUSHING AND	(11) EP3725421	(21) EP14726179.6
SCREENING SYSTEM	(21) EP20169268.8	(47) 13.04.2022
(73) TEREX INDIA PRIVATE LIMITED	(47) 13.04.2022	(87) EP2014060864
(72) NARAYANASWAMY, Santhanam	(22) 14.04.2020	04.12.2014
DHANESH, Jayapal	(54) INSTALLATION FOR APPLYING	(22) 26.05.2014
(31) 201841027700	A COATING PRODUCT AND	(54) APPLICATION NOZZLE
(32) 24.07.2018	METHOD FOR CLEANING SUCH AN	(73) Sulzer Mixpac AG
(33) India	INSTALLATION	(72) HUFSCHMID, Andreas
(51) B03C 1/01	(73) Exel Industries	BRODBECK, Thomas
(11) EP2841204	(72) PROVENAZ, Philippe	BUCK, Manuel
(21) EP13722697.3	(31) 1903999	(31) 13169808
(47) 13.04.2022	(32) 15.04.2019	(32) 29.05.2013
(87) EP2013058245	(33) France	(33) European Patent Office (EPO)
31.10.2013	(51) B05C 1/00	(51) B05D 1/00
(22) 22.04.2013	B05C 17/005	B05C 5/02
(54) MAGNETIC SEPARATION OF	(11) EP3575003	G02F 1/13
PARTICLES INCLUDING ONE-STEP-	(21) EP18382375.6	B05C 11/00
CONDITIONING OF A PULP	(47) 13.04.2022	B05C 5/00
(73) BASF SE	(22) 31.05.2018	H01L 21/68
(72) MORBIDELLI, Massimo	(54) FLEXIBLE NOZZLE FOR DISPENSING	H01L 21/67
MICHAILOVSKI, Alexej	A FLUID ALONG A SURFACE	G02F 1/1339
RIEGER, Reinhold	(73) Airbus Operations, S.L.	(11) EP1961492
SHISHKOV, Igor	(72) DÍAZ VÁZQUEZ, Juan Pedro	(21) EP06834156.9
WU, Hua	GALERA CÓRDOBA, Georgina	(47) 13.04.2022
DOMKE, Imme	PÉREZ PASTOR, Augusto	(87) JP2006324401
CHAROENSIRISOMBOON, Piyada	FERNÁNDEZ ARTALEJO, Gema Lorena	07.06.2007
ZHANG, Xinya	CÁRDENAS AGUADO, Jose Miguel	(22) 30.11.2006
(31) 12165162	(51) B05C 1/02	(54) METHOD OF ADJUSTING NOZZLE
(32) 23.04.2012	B05C 1/08	CLEARANCE OF LIQUID COATER AND
(33) European Patent Office (EPO)	B28B 11/04	LIQUID COATER
(51) B05B 7/00	E04C 2/04	(73) Musashi Engineering, Inc.
B05B 7/24	B27N 3/00	(72) IKUSHIMA, Kazumasa
B43K 8/00	(11) EP3030354	(31) 2005345104
B05B 7/14	(21) EP14741239.9	(32) 30.11.2005
B05B 12/00	(47) 13.04.2022	(33) Japan
(11) EP3508278	(87) EP2014064773	(51) B06B 1/02
(21) EP18150486.1	12.02.2015	B06B 1/06
(47) 13.04.2022	(22) 09.07.2014	G10K 9/125
(22) 05.01.2018	(54) METHOD AND DEVICE FOR	B81C 1/00
(54) COSMETIC AIR BRUSH	PRODUCING COATED, AND IN	(11) EP3530358
(73) Dah Cherng Stationery Co., Ltd.	PARTICULAR PAINTED, BUILDING	(21) EP19158949.8
(72) TSAI, Ming-Chun	BOARDS AND ASSOCIATED PAINTED	(47) 13.04.2022
(51) B05B 7/24	BUILDING BOARD	(22) 22.02.2019
B05B 7/06	(73) Knauf Gips KG	(54) IMPROVED MICROMACHINED
B05B 7/08	(72) FLORENSKE, Oliver	ULTRASONIC TRANSDUCER (MUT),
B05B 7/12	MITTNACHT, Sebastian	METHOD FOR MANUFACTURING THE
(11) EP3003506	(31) 102013108498	MUT, AND METHOD FOR DESIGNING
(21) EP14807971.8	(32) 07.08.2013	THE MUT
(47) 13.04.2022	(33) Germany	(73) STMicroelectronics S.r.l.
(87) IB2014001011	(51) B05C 5/02	(72) PROCOPPIO, Francesco
11.12.2014	B05C 17/005	QUAGLIA, Fabio
(22) 10.06.2014	B05B 12/08	(31) 201800002952
(54) SPRAY GUN AND SPRAY METHOD	B05B 12/04	(32) 22.02.2018
(73) Axalta Coating Systems GmbH	(11) EP3639935	(33) Italy
(72) DELSARD, Bert	(21) EP19202422.2	(51) B07B 1/46
(31) 201361832194 P	(47) 13.04.2022	B07B 13/16
201361832192 P	(22) 10.10.2019	B29C 64/35
(32) 07.06.2013	(54) SEALANT DISCHARGING NOZZLE	B29C 64/153
07.06.2013	AND SEALANT DISCHARGING	B33Y 30/00
(33) United States of America	APPARATUS	(11) EP3429765

(21) EP17703123.4	B08B 3/10	02.02.2012
(47) 13.04.2022	G01N 35/10	(22) 22.07.2011
(87) EP2017052274	(11) EP3487640	(54) METHOD AND DEVICE FOR
21.09.2017	(21) EP17831818.4	RESTORING AND MAINTAINING
(22) 02.02.2017	(47) 13.04.2022	SUPERHYDROPHOBICITY UNDER
(54) DEVICE FOR THE GENERATIVE	(87) US2017042916	LIQUID
MANUFACTURING OF COMPONENTS	25.01.2018	(73) The Regents of the University of
(73) CL Schutzrechtsverwaltungs GmbH	(22) 19.07.2017	California
(72) HERZOG, Frank	(54) HIGH SPEED AIR SYSTEM AND	(72) LEE, Choongyeop
BECHMANN, Florian	METHOD	KIM, Chang-Jin
SCHÖDEL, Frank	(73) Siemens Healthcare Diagnostics Inc.	(31) 368188 P
(31) 102016105094	(72) SHISHKIN, Dimitri	(32) 27.07.2010
(32) 18.03.2016	PRONKINE, Viatcheslav	(33) United States of America
(33) Germany	PATEL, Shriram	
(51) B07B 4/08	(31) 201662365230 P	(51) B21B 38/02
B03B 4/06	(32) 21.07.2016	B21B 38/06
(11) EP2439001	(33) United States of America	(11) EP3735328
(21) EP11007898.7	(51) B08B 5/02	(21) EP20707606.8
(47) 13.04.2022	B08B 5/04	(47) 13.04.2022
(22) 29.09.2011	B08B 15/04	(87) EP2020055016
(54) Device and method for separating a dust	B05B 14/10	03.09.2020
mixture into its dust components	(11) EP3421146	(22) 26.02.2020
(73) Buchberger, August	(21) EP18179552.7	(54) MEASURING ROLLER FOR
Hentschel, Andreas	(47) 13.04.2022	DETERMINING A PROPERTY OF A
(72) Schoppe, Fritz	(22) 25.06.2018	STRIP-LIKE PRODUCT GUIDED OVER
(31) 102010042167	(54) COMBINED POWDER CLEANING	THE MEASURING ROLLER
(32) 07.10.2010	GUN FOR AN AUTOMATIC POWDER	(73) VDEh-Betriebsforschungsinstitut GmbH
(33) Germany	CLEANING SYSTEM FOR MIXED-LINE	(72) NEUER, Markus
(51) B08B 1/00	HUB BOLT HOLES	KREMEYER, Julian
B05C 11/10	(73) Citic Dicastal Co., Ltd.	MÜCKE, Gert
B05C 11/02	(72) Wang, Hongtao	KRAMBEER, Hagen
(11) EP3680025	Wei, Qingwang	(31) 102019001354
(21) EP18853808.6	Ma, Huanming	(32) 26.02.2019
(47) 13.04.2022	Zhang, Zhiliang	(33) Germany
(87) JP2018032666	Wang, Zaide	(51) B21C 47/00
14.03.2019	Qin, Zhiwei	B21C 47/34
(22) 03.09.2018	(31) 201710495266	B65H 23/14
(54) VISCOUS MATERIAL WIPING DEVICE	(32) 26.06.2017	(11) EP3616803
(73) Kawasaki Jukogyo Kabushiki Kaisha	(33) China	(21) EP19194505.4
(72) SUZUKI, Satoshi	(51) B08B 5/04	(47) 13.04.2022
OTSUKI, Naohiro	B41F 22/00	(22) 30.08.2019
(31) 2017170838	B41F 23/00	(54) BRAKE DEVICE AND METHOD FOR
(32) 06.09.2017	(11) EP3768442	OPERATING SAME
(33) Japan	(21) EP19713414.1	(73) Felix Waldner GmbH
(51) B08B 3/04	(47) 13.04.2022	(72) SANDNER, Thomas
B08B 3/10	(87) EP2019057058	WAGNER, Hugo Maximilian
B08B 5/02	26.09.2019	(31) 102018214862
B08B 13/00	(22) 21.03.2019	(32) 31.08.2018
B08B 9/00	(54) SHEET PROCESSING MACHINE	(33) Germany
B22D 31/00	HAVING A LATERAL SUCTION DEVICE	(51) B21J 15/02
(11) EP3747557	IN THE TRANSPORT PATH	B21J 15/14
(21) EP19219867.9	(73) Koenig & Bauer AG	B21J 15/32
(47) 13.04.2022	(72) KLÜPFEL, Elmar	B23P 19/06
(22) 27.12.2019	BERNARD, Andreas	F16B 31/02
(54) SUB-FRAME CLEANING AND BLOW-	GELDHAUSER, Rudolf	(11) EP3194092
DRYING DEVICE	RAUH, Volker	(21) EP15766117.4
(73) Citic Dicastal Co., Ltd.	KÖRNER, Thomas	(47) 13.04.2022
(72) LI, Junmeng	(31) 102018204319	(87) EP2015071059
SHI, Baojun	(32) 21.03.2018	24.03.2016
LIU, Huiying	(33) Germany	(22) 15.09.2015
(31) 201910490312	(51) B08B 17/06	(54) METHOD OF SCREWING A COLLAR
(32) 06.06.2019	B82Y 30/00	ONTO A THREADED BOLT AND
(33) China	B81B 1/00	SCREWING DEVICE
(51) B08B 5/02	B81C 1/00	(73) Broetje-Automation GmbH
B08B 5/00	(11) EP2598433	(72) HARMS, Jannik
B08B 9/00	(21) EP11812989.9	HINRICHS, Bruno
B08B 9/027	(47) 13.04.2022	(31) 102014113263
B08B 9/20	(87) US2011045106	(32) 15.09.2014
		(33) Germany

(51) B22C 9/02 B22C 9/10 B22C 21/14 B22D 29/00 B28B 1/00 B28B 7/34 B33Y 10/00 B33Y 80/00 B22C 13/08 B22C 13/12 B29C 64/124 B22C 9/04 (11) EP3554742 (21) EP17881326.7 (47) 13.04.2022 (87) US2017060178 21.06.2018 (22) 06.11.2017 (54) MULTI-PIECE INTEGRATED CORE-SHELL CASTING MOLD WITH STANDOFF AND/OR BUMPER AND METHOD FOR MANUFACTURING THE SAME (73) General Electric Company (72) YANG, Xi PETERSON, Brian, Patrick DEINES, James, Herbert PRZESLAWSKI, Brian, David MCCARREN, Michael, John (31) 201615377746 (32) 13.12.2016 (33) United States of America	(54) METAL POWDER FOR MOLDING METAL LAMINATE AND MOLDED OBJECT MANUFACTURED USING SAID METAL POWDER (73) JX Nippon Mining & Metals Corporation (72) SHIBUYA Yoshitaka SATO kenji (31) 2017190218 (32) 29.09.2017 (33) Japan	(11) EP3741482 (21) EP20172977.9 (47) 13.04.2022 (22) 05.05.2020 (54) METHOD FOR MANUFACTURING A PART MADE OF ALUMINIUM ALLOY BY ADDITIVE MANUFACTURING FROM A MIXTURE OF POWDERS CONTAINING YTTRIUM-STABILISED ZIRCONIA (73) Commissariat à l'énergie atomique et aux énergies alternatives (72) SOULIER, Mathieu OPPRECHT, Mathieu GARANDET, Jean-Paul ROUX, Guilhem (31) 1904935 (32) 13.05.2019 (33) France
(51) B22C 9/10 F01D 5/20 F01D 5/18 (11) EP3330487 (21) EP17205442.1 (47) 13.04.2022 (22) 05.12.2017 (54) LEADING EDGE HYBRID CAVITIES AND CORES FOR AIRFOILS OF GAS TURBINE ENGINE (73) Raytheon Technologies Corporation (72) CLUM, Carey MONGILLO, Dominic J., Jr. (31) 201615368737 (32) 05.12.2016 (33) United States of America	(51) B22F 1/00 B22F 3/105 B22F 3/16 B33Y 70/00 B33Y 80/00 C22C 9/00 B22F 1/17 B22F 1/05 C22C 1/04 C23C 14/16 C23C 14/22 B22F 9/08 B22F 10/20 (11) EP3566797 (21) EP18857436.2 (47) 13.04.2022 (87) JP2018023634 04.04.2019 (22) 21.06.2018	(54) SURFACE TREATMENT METHOD FOR POWDERED METAL MATERIAL (73) FUJI KIHAN CO., LTD. (72) MIYASAKA, Yoshio (31) 2013193254 (32) 18.09.2013 (33) Japan
(51) B22F 1/00 B22F 3/105 B22F 3/16 B33Y 70/00 B33Y 80/00 C22C 9/00 B22F 1/17 B22F 1/05 C22C 1/04 C23C 14/16 C23C 14/22 B22F 9/08 B22F 10/20 (11) EP3566797 (21) EP18857436.2 (47) 13.04.2022 (87) JP2018023634 04.04.2019 (22) 21.06.2018	(51) B22F 3/00 B22F 3/105 B22F 3/24 B22F 5/00 B33Y 80/00 B33Y 10/00 B33Y 99/00 B23P 15/04 F01D 9/04 B23P 6/00 F01D 5/00 (11) EP3351320 (21) EP18151928.1 (47) 13.04.2022 (22) 16.01.2018 (54) SYSTEM AND METHOD FOR THE HYBRID CONSTRUCTION OF MULTI-PIECE PARTS (73) General Electric Company (72) KOTTILINGAM, Srikanth Chandrudu BARNELL, Steven J. SCHAEFFER, Jon Conrad TOLLISON, Brian Lee SCHICK, David Edward CUI, Yan (31) 201715412945 (32) 23.01.2017 (33) United States of America	(54) METHOD OF MAKING AN ABRADABLE COATING HAVING VARIABLE DENSITIES (73) Safran Aircraft Engines (72) LE BIEZ, Philippe Charles Alain (31) 1562324 (32) 14.12.2015 (33) France
(51) B22F 1/00 B22F 3/105 B22F 3/16 B33Y 70/00 B33Y 80/00 C22C 9/00 B22F 1/17 B22F 1/05 C22C 1/04 C23C 14/16 C23C 14/22 B22F 9/08 B22F 10/20 (11) EP3566797 (21) EP18857436.2 (47) 13.04.2022 (87) JP2018023634 04.04.2019 (22) 21.06.2018	(51) B22F 3/00 B22F 3/105 B22F 3/24 B22F 5/00 B33Y 80/00 B33Y 10/00 B33Y 99/00 B23P 15/04 F01D 9/04 B23P 6/00 F01D 5/00 (11) EP3351320 (21) EP18151928.1 (47) 13.04.2022 (22) 16.01.2018 (54) SYSTEM AND METHOD FOR THE HYBRID CONSTRUCTION OF MULTI-PIECE PARTS (73) General Electric Company (72) KOTTILINGAM, Srikanth Chandrudu BARNELL, Steven J. SCHAEFFER, Jon Conrad TOLLISON, Brian Lee SCHICK, David Edward CUI, Yan (31) 201715412945 (32) 23.01.2017 (33) United States of America	(54) FEEDING APPARATUS FOR ELONGATED WORKPIECES (73) METAL ART DI FRANCO E MAURO TRANQUILLI S.R.L. (72) TRANQUILLI, Franco (31) 201800003396 (32) 09.03.2018 (33) Italy
(51) B22F 1/00 B22F 3/105 B22F 3/16 B33Y 70/00 B33Y 80/00 C22C 9/00 B22F 1/17 B22F 1/05 C22C 1/04 C23C 14/16 C23C 14/22 B22F 9/08 B22F 10/20 (11) EP3566797 (21) EP18857436.2 (47) 13.04.2022 (87) JP2018023634 04.04.2019 (22) 21.06.2018	(51) B22F 3/00 B22F 3/105 B22F 3/24 B22F 5/00 B33Y 80/00 B33Y 10/00 B33Y 99/00 B23P 15/04 F01D 9/04 B23P 6/00 F01D 5/00 (11) EP3351320 (21) EP18151928.1 (47) 13.04.2022 (22) 16.01.2018 (54) SYSTEM AND METHOD FOR THE HYBRID CONSTRUCTION OF MULTI-PIECE PARTS (73) General Electric Company (72) KOTTILINGAM, Srikanth Chandrudu BARNELL, Steven J. SCHAEFFER, Jon Conrad TOLLISON, Brian Lee SCHICK, David Edward CUI, Yan (31) 201715412945 (32) 23.01.2017 (33) United States of America	(54) DEEP-HOLE DRILL HAVING A PLURALITY OF CHIP-FORMING DEVICES AND RECESSES IN THE RAKE FACE (73) Botek Präzisionsbohrtechnik GmbH (72) SCHUR, Gotthold DEEG, Juergen (31) 102018114138

(32) 13.06.2018	(73) Trumpf Werkzeugmaschinen GmbH +	(72) LUEDI, Andreas
(33) Germany	Co. KG	(31) 102018126846
(51) B23D 51/10	(72) DEISS, Magnus	(32) 26.10.2018
(11) EP3778085	WOLF, Dennis	(33) Germany
(21) EP19797027.0	OTTNAD, Jens	(51) B23K 26/08
(47) 13.04.2022	SCHMAUDER, Frank	B21C 37/22
(87) CN2019078066	EPPERLEIN, Peter	B21C 37/26
07.11.2019	(31) 102016208872	B23K 26/282
(22) 14.03.2019	(32) 23.05.2016	B23K 26/302
(54) RECIPROCATING SAW BLADE	(33) Germany	F28F 1/00
MOUNTING DEVICE AND	(51) B23K 9/173	B23K 26/06
RECIPROCATING SAW	B23K 35/38	F28F 1/24
(73) Nanjing Chervon Industry Co., Ltd.	B23K 9/167	B23K 101/14
(72) ZHOU, Yang	B23K 35/30	(11) EP3769899
(31) 201810421237	B23K 9/04	(21) EP20181473.8
(32) 04.05.2018	(11) EP3774153	(47) 13.04.2022
(33) China	(21) EP19723674.8	(22) 22.06.2020
(51) B23F 19/05	(47) 13.04.2022	(54) FINNED TUBE AND METHOD AND
B23F 5/02	(87) EP2019060585	DEVICE FOR PRODUCING A FINNED
B23F 1/02	28.11.2019	TUBE
B23F 21/03	(22) 25.04.2019	(73) Schmöle GmbH
B23F 5/16	(54) PRODUCTION AND REPAIR WELDING	(72) Störmer, Gerhard
(11) EP3838463	OF CAST IRON WITH SPHEROIDAL	(31) 102019117599
(21) EP20215414.2	GRAPHITE	(32) 28.06.2019
(47) 13.04.2022	(73) Siemens Energy Global GmbH & Co. KG	(33) Germany
(22) 18.12.2020	(72) LUTHLE, Alexander	(51) B23K 31/12
(54) METHOD FOR FINE PROCESSING OF	SCHREIBER, Tim	B23K 11/26
A TOOTHED WORKPIECE	BRUSSK, Stefan	B23K 11/24
(73) Präwema Antriebstechnik GmbH	(31) 18173878	B23K 11/25
(72) Holderbein, Walter	(32) 23.05.2018	(11) EP3539713
Reinhardt, Jörg	(33) European Patent Office (EPO)	(21) EP18401029.6
Schieke, Jörg	(51) B23K 20/00	(47) 13.04.2022
(31) 102019134924	B23K 15/00	(22) 14.03.2018
(32) 18.12.2019	B23K 26/00	(54) METHOD AND DEVICE FOR QUALITY
(33) Germany	B23K 26/34	EVALUATION IN RESISTANCE
(51) B23F 23/12	(11) EP2412470	WELDING, COMPUTER PROGRAM
B23F 1/02	(21) EP10756201.9	PRODUCT AND CONTROL DEVICE
B23Q 11/00	(47) 13.04.2022	(73) GLAMATronic Schweiß- und
(11) EP3050661	(87) JP2010055304	Anlagentechnik GmbH
(21) EP16000050.1	30.09.2010	(72) Schütte, Philipp
(47) 13.04.2022	(22) 18.03.2010	(51) B23Q 3/02
(22) 12.01.2016	(54) WELDING METHOD, AND WELD JOINT	B23Q 3/06
(54) TOOTH OR PROFILE GRINDING	BODY	B25B 1/10
MACHINE AND METHOD FOR	(73) Kuroki Kogyosho Co., Ltd.	B25B 1/12
OPERATING SAME	National University Corporation	B25B 5/00
(73) NILES Werkzeugmaschinen GmbH	Kumamoto University	(11) EP3034233
Kapp Werkzeugmaschinen GmbH	(72) YANAGIDA, Yuji	(21) EP15198617.1
(72) Wellein, Andreas	SAWAI, Naohisa	(47) 13.04.2022
Thierfelder, Sven	MIYAJIMA, Masafumi	(22) 09.12.2015
Stegner, Achim	KUROKI, Hironori	(54) METHOD FOR FIXING A WORKPIECE
(31) 102015001036	KAWAMURA, Yoshihito	ON A TABLE OF A MACHINE TOOL
(32) 28.01.2015	KIM, Jonghyun	(73) Intelligent Manufacturing Systems
(33) Germany	(31) 2009074903	International
(51) B23K 7/00	(32) 25.03.2009	DMG Mori Co., Ltd.
B23K 26/08	(33) Japan	(72) SARAIE, Hidenori
B23K 26/38	(51) B23K 26/03	HASHIMOTO, Kinji
B23K 26/70	B23K 26/38	YAMAZAKI, Kazuo
B23K 37/02	(11) EP3870385	(31) 2014253778
(11) EP3463734	(21) EP19795526.3	(32) 16.12.2014
(21) EP17727139.2	(47) 13.04.2022	(33) Japan
(47) 13.04.2022	(87) EP2019079185	(51) B23Q 3/06
(87) EP2017062261	30.04.2020	B25B 1/14
30.11.2017	(22) 25.10.2019	B25B 1/18
(22) 22.05.2017	(54) MACHINING APPARATUS FOR LASER	B25B 1/24
(54) MACHINE FOR CUTTING A PLANAR	MACHINING A WORKPIECE AND	B25B 5/02
WORKPIECE AND METHOD FOR	METHOD FOR LASER MACHINING A	B25B 5/06
PRESSING OUT A WORKPIECE PART	WORKPIECE	B25B 5/12
THAT HAS BEEN CUT FREE	(73) Bystronic Laser AG	B25B 5/16

B23Q 1/00	(87) EP2015000540	(87) IB2018059066
B23Q 3/10	17.09.2015	31.05.2019
(11) EP3638453	(22) 11.03.2015	(22) 16.11.2018
(21) EP18731403.4	(54) ALTERNATIVE BLOCKING	(54) COATED ABRASIVE DISC AND
(47) 13.04.2022	(73) Rodenstock GmbH	METHODS OF MAKING AND USING
(87) EP2018065436	(72) HUBER, Karl	THE SAME
17.01.2019	(31) 102014003539	(73) 3M Innovative Properties Company
(22) 12.06.2018	(32) 12.03.2014	(72) NIENABER, Aaron K.
(54) METHOD, DEVICE, AND AID ELEMENT	(33) Germany	MOORE, Eric M.
FOR MOUNTING A WORKPIECE	(51) B24B 45/00	SPRING, Erin D.
(73) Gressel AG	B27B 5/32	HANSCHEN, Thomas P.
(72) RELEA, Eduard	(11) EP3500401	KEIPERT, Steven J.
SCHLÜSSEL, Marcel	(21) EP17751098.9	NELSON, Thomas J.
WEISS, Lukas	(47) 13.04.2022	ECKEL, Joseph B.
(31) 102017115696	(87) EP2017070312	MOEGENBURG, Brant A.
(32) 12.07.2017	01.03.2018	(31) 201762589140 P
(33) Germany	(22) 10.08.2017	(32) 21.11.2017
(51) B23Q 3/08	(54) POWER TOOL	(33) United States of America
B25B 11/00	(73) Robert Bosch GmbH	(51) B24D 5/12
F16K 31/06	(72) FELLMANN, Willi	B24D 5/14
(11) EP3476530	QUEBATTE, Laurent	B24D 7/14
(21) EP18195673.1	SCHULLER, Marcus	B24D 7/06
(47) 13.04.2022	DI NICOLANTONIO, Aldo	B24B 27/06
(22) 20.09.2018	ZURBRUEGG, Andreas	(11) EP3826807
(54) MACHINE TOOL WITH AN IMPROVED	SINZIG, Bruno	(21) EP19827595.0
SYSTEM FOR FASTENING	LUESCHER, Bruno	(47) 13.04.2022
WORKPIECES TO BE MACHINED	(31) 102017213668	(87) DE2019000296
(73) SCM Group S.p.A.	102017201509	22.05.2020
(72) FERRI, Mirko	102016215691	(22) 13.11.2019
(31) 201700123759	(32) 07.08.2017	(54) CUTTING, GRINDING AND POLISHING
(32) 31.10.2017	31.01.2017	DISK, AND METHOD FOR MACHINING
(33) Italy	22.08.2016	WORKPIECES
(51) B23Q 5/40	(33) Germany	(73) Hochschule Trier
B23Q 5/52	Germany	(72) ROBERT, Dietmar
B23Q 5/58	Germany	EHLENZ, Tobias
B23Q 16/00	(51) B24C 1/10	WITTMANN, Armin
B23Q 17/00	(11) EP3498424	FERRING, Jonas
F16H 25/20	(21) EP18212082.4	(31) 102018008920
(11) EP3452251	(47) 13.04.2022	(32) 13.11.2018
(21) EP18702213.2	(22) 12.12.2018	(33) Germany
(47) 13.04.2022	(54) PLASMA ASSISTED SURFACE	(51) B25B 21/00
(87) EP2018051887	FINISHING APPARATUS AND METHOD	B25B 23/145
16.08.2018	(73) Raytheon Technologies Corporation	B25F 5/00
(22) 25.01.2018	(72) VENTURA, Anthony Patrick	(11) EP3530410
(54) MACHINE TOOL	TWELVES, Wendell V.	(21) EP18158801.3
(73) CHIRON Group SE	BENNETT, Michael Walter	(47) 13.04.2022
(72) EPPLER, Claus	THAYER, Henry H.	(22) 27.02.2018
(31) 102017102379	(31) 201715843403	(54) TORQUE-ADJUSTABLE PNEUMATIC
(32) 07.02.2017	(32) 15.12.2017	TOOL
(33) Germany	(33) United States of America	(73) Airboss Air Tool Co., Ltd.
(51) B24B 7/06	(51) B24D 3/00	(72) CHANG, Hsin-He
B24B 49/00	B24D 11/00	(51) B25H 3/02
(11) EP3795295	(11) EP3403765	B65D 21/02
(21) EP20186870.0	(21) EP17172052.7	(11) EP3288719
(47) 13.04.2022	(47) 13.04.2022	(21) EP17792602.9
(22) 21.07.2020	(22) 19.05.2017	(47) 13.04.2022
(54) SANDER MACHINE WITH SAFETY	(54) COMPOSITE SUPPORT FOR AN	(87) IL2017050481
SYSTEM TO PREVENT THE EJECTION	ABRASIVE AGENT	09.11.2017
OF PANELS	(73) Hermes Schleifmittel GmbH	(22) 30.04.2017
(73) SCM Group S.p.A.	(72) REICHSTEIN, Martin	(54) UTILITY ASSEMBLY
(72) VENTURINI, Marco	PETERSEN, Jan	(73) Keter Home and Garden Products Ltd.
(31) 201900015228	PUTTRUS, Peter	Milwaukee Electric Tool Corporation
(32) 29.08.2019	(51) B24D 3/00	(72) HYMA, Steven W.
(33) Italy	B24D 11/00	SQUIERS, Grant T.
(51) B24B 13/005	C09K 3/14	BRUNNER, Yaron
(11) EP3116684	(11) EP3713714	HOPPE, Christopher S.
(21) EP15712523.8	(21) EP18881727.4	(31) 201762459076 P
(47) 13.04.2022	(47) 13.04.2022	201662330334 P

(32) 15.02.2017	(11) EP3695941	(47) 13.04.2022
02.05.2016	(21) EP19157525.7	(87) EP2020088085
(33) United States of America	(47) 13.04.2022	08.07.2021
United States of America	(22) 15.02.2019	(22) 31.12.2020
(51) B25J 9/00	(54) COMPUTERIZED SYSTEM AND	(54) METHOD AND DEVICE FOR THE
(11) EP3878602	METHOD USING DIFFERENT IMAGE	AUTOMATED ARRANGEMENT OF
(21) EP20211826.1	VIEWS TO FIND GRASP LOCATIONS	TUNNEL LINING SEGMENTS
(47) 13.04.2022	AND TRAJECTORIES FOR ROBOTIC	(73) Herrenknecht AG
(22) 12.03.2020	PICK UP	(72) PABST, Stefan
(54) APPARATUS WEARABLE BY A	(73) Siemens Aktiengesellschaft	SENG, Frederic
SUBJECT FOR ASSISTING FORWARD	(72) APARICIO OJEA, Juan L.	(31) 102020101081
RECLINING MOVEMENTS OF THE	SEHR, Martin	102019135908
TORSO	SOLOWJOW, Eugen	(32) 17.01.2020
(73) C.R.F. Società Consortile per Azioni	CLAUSSEN, Heiko	31.12.2019
(72) GALLO, Ms. Francesca	WEN, Changtao	(33) Germany
DI PARDO, Mr. Massimo	(51) B25J 9/16	Germany
(51) B25J 9/06	(11) EP3342549	(51) B25J 11/00
B25J 5/00	(21) EP16838702.5	B25J 9/16
B25J 19/02	(47) 13.04.2022	B25J 9/00
(11) EP3814068	(87) JP2016002574	B25J 19/02
(21) EP19790589.6	02.03.2017	B25J 5/00
(47) 13.04.2022	(22) 27.05.2016	A47L 9/28
(87) FR2019051391	(54) REMOTE CONTROL ROBOT SYSTEM	G05D 1/02
19.12.2019	AND METHOD OF OPERATING THE	(11) EP3308911
(22) 07.06.2019	SAME	(21) EP16807738.6
(54) MOBILE ROBOT FOR INSPECTING A	(73) Kawasaki Jukogyo Kabushiki Kaisha	(47) 13.04.2022
TURBOMACHINE	(72) TANAKA, Shigetsugu	(87) KR2016005904
(73) SAFRAN AIRCRAFT ENGINES	KUROSAWA, Yasushi	15.12.2016
(72) LEPAGE, Thomas, Jean, Michel	SHIMOMURA, Nobuyasu	(22) 03.06.2016
(31) 1855127	KAMON, Masayuki	(54) MOBILE ROBOT AND METHOD OF
(32) 12.06.2018	HASHIMOTO, Yasuhiko	CONTROLLING SAME
(33) France	(31) 2015165479	(73) LG Electronics Inc.
(51) B25J 9/14	(32) 25.08.2015	(72) JEON, Hyeongshin
B25J 15/00	(33) Japan	CHOI, Hyukdoo
B25J 9/00	(51) B25J 9/16	(31) 20150083577
B25J 11/00	B25J 15/02	(32) 12.06.2015
B25J 15/12	(11) EP3584042	(33) Korea (Republic)
(11) EP3463764	(21) EP19180170.3	(51) B25J 17/00
(21) EP17728970.9	(47) 13.04.2022	B25J 19/00
(47) 13.04.2022	(22) 14.06.2019	H05K 1/02
(87) US2017034524	(54) SYSTEMS, DEVICES, COMPONENTS,	H02G 11/00
30.11.2017	AND METHODS FOR A COMPACT	H01R 35/02
(22) 25.05.2017	ROBOTIC GRIPPER WITH PALM-	H05K 1/11
(54) SOFT ROBOTIC ACTUATORS FOR	MOUNTED SENSING, GRASPING,	H01R 12/61
POSITIONING, PACKAGING, AND	AND COMPUTING DEVICES AND	(11) EP3074190
ASSEMBLING	COMPONENTS	(21) EP13898080.0
(73) Soft Robotics, Inc.	(73) Robotic Materials, Inc.	(47) 13.04.2022
(72) CHIAPPETTA, Mark	(72) CORRELL, Nikolaus	(87) CN2013088020
SINGH, Sarv, Parteek	MILLER, Austin K.	04.06.2015
LESSING, Joshua, Aaron	ROMERO, Branden	(22) 28.11.2013
KNOPF, Ryan	(31) 201916376938	(54) ROTARY JOINT OF ROBOT AND
HARBURG, Daniel, V.	201862767044 P	ROBOT INCLUDING
(31) 201662341445 P	201862744855 P	(73) ABB Schweiz AG
(32) 25.05.2016	201862686055 P	(72) CAO, Kaiyuan
(33) United States of America	(32) 05.04.2019	HA, Yun
(51) B25J 9/16	14.11.2018	FENG, Tao
(11) EP3581340	12.10.2018	(51) B25J 19/06
(21) EP18177540.4	17.06.2018	B25J 9/16
(47) 13.04.2022	(33) United States of America	G05B 19/4061
(22) 13.06.2018	United States of America	(11) EP3238893
(54) METHOD FOR ACTUATING A ROBOT,	United States of America	(21) EP14908919.5
CORRESPONDING DATA STORAGE	United States of America	(47) 13.04.2022
AND ROBOT	(51) B25J 9/16	(87) JP2014006512
(73) Siemens Healthcare GmbH	E21D 11/40	30.06.2016
(72) Mebarki, Rafik	B25J 19/02	(22) 26.12.2014
Mönnich, Holger	E21D 9/00	(54) ROBOT SYSTEM
(51) B25J 9/16	(11) EP3873704	(73) Kawasaki Jukogyo Kabushiki Kaisha
	(21) EP20839367.8	(72) MIYAZAKI, Toshihiko

KOBAYASHI, Ayataka	07.06.2018	(73) Ehwa Diamond Ind. Co. Ltd.
OHIGE, Takashi	(22) 28.11.2017	(72) RHEE, Dae-Yeon
WATANABE, Masayuki	(54) LONG KNIFE WITH SEVERAL COMPONENTS	PARK, Hee-Dong
(51) B25J 19/06	(73) TKM GmbH	KIM, Doo-Hoe
G01D 5/12	(72) KLUMPEN, Thomas	KIM, Nam-Kwang
G01D 5/244	KÖLSCH, Volker	(31) 20130066139
G05B 9/02	(31) 102016123079	(32) 10.06.2013
B25J 9/16	(32) 30.11.2016	(33) Korea (Republic)
(11) EP3530423	(33) Germany	(51) B28D 7/02
(21) EP17865073.5	(51) B27B 5/29	B23D 45/16
(47) 13.04.2022	B27B 5/16	(11) EP3822055
(87) JP2017031701	(11) EP3233400	(21) EP20215953.9
03.05.2018	(21) EP15870906.3	(47) 13.04.2022
(22) 04.09.2017	(47) 13.04.2022	(22) 01.11.2017
(54) METHOD AND DEVICE FOR DETECTING ABNORMALITY OF ENCODER, AND ROBOT CONTROL SYSTEM	(87) US2015065888	(54) ENGINE-DRIVEN TOOL
	23.06.2016	(73) HUSQVARNA AB
(73) Panasonic Intellectual Property Management Co., Ltd.	(22) 15.12.2015	(72) Karlsson, Fredrik
(72) AIMI, Kei	(54) RATCHET AND RELEASE MECHANISM FOR SWING ARM OF TABLE SAW	(31) 1651451
KINUGASA, Yasuhiro	(73) Robert Bosch GmbH	(32) 03.11.2016
HASHIMOTO, Atsumi	(72) CHAGANOS, Gregory	(33) Sweden
(31) 2017005058	KOEGEL, Jan	(51) B29B 9/12
2016207568	SZWEDA, Timothy	C08J 3/12
(32) 16.01.2017	TALESKY, Mark, S.	C08K 3/105
24.10.2016	TAYLOR, Brian	C08K 3/38
(33) Japan	(31) 201462092124 P	C08K 5/09
Japan	(32) 15.12.2014	C08L 23/08
	(33) United States of America	B29B 9/06
(51) B26B 19/38	(51) B27L 7/00	B29K 23/00
(11) EP3856471	(11) EP3603910	(11) EP3564294
(21) EP20737206.1	(21) EP19175147.8	(21) EP17887929.2
(47) 13.04.2022	(47) 13.04.2022	(47) 13.04.2022
(87) EP2020069741	(22) 17.05.2019	(87) JP2017047094
28.01.2021	(54) WOOD LOG SPLITTING APPARATUS	05.07.2018
(22) 13.07.2020	(73) Ricca Andrea & C. S.n.c.	(22) 27.12.2017
(54) COUPLING ASSEMBLY FOR USE IN A PERSONAL CARE APPLIANCE	(72) RICCA, Ms. Roberta	(54) ETHYLENE-VINYL ALCOHOL COPOLYMER COMPOSITION PELLETS, AND PRODUCTION METHOD FOR ETHYLENE-VINYL ALCOHOL COPOLYMER COMPOSITION PELLETS
(73) Koninklijke Philips N.V.	(31) 201800007628	(73) Mitsubishi Chemical Corporation
(72) DE VRIES, Alwin, William	(32) 30.07.2018	(72) SENO, Ryuta
PASTOORS, Marc, Alexander	(33) Italy	HATANAKA, Makoto
PETRELLI, Marcus, Cornelis	(51) B28C 5/00	(31) 2016257024
(31) 19188142	C04B 12/00	2016257022
(32) 24.07.2019	G01G 23/01	2016257021
(33) European Patent Office (EPO)	G01G 23/48	(32) 28.12.2016
(51) B26D 5/08	(11) EP3317058	28.12.2016
B26D 7/26	(21) EP16818918.1	28.12.2016
(11) EP3762194	(47) 13.04.2022	
(21) EP19705740.9	(87) US2016040794	(33) Japan
(47) 13.04.2022	05.01.2017	Japan
(87) EP2019053664	(22) 01.07.2016	Japan
12.09.2019	(54) SYSTEMS AND METHODS FOR MONITORING CALIBRATION OF MOISTURE SENSORS	(51) B29B 9/14
(22) 14.02.2019	(73) Command Alkon Incorporated	B29B 9/06
(54) KNIFE RECEIVER FOR AN APPARATUS FOR SLICING FOOD PRODUCTS	(72) WILLAMAN, Randall	B29B 7/42
(73) GEA Food Solutions Germany GmbH	(31) 201562187726 P	B29B 7/72
(72) SCHEUER, Jörg-Erwin	(32) 01.07.2015	B29B 7/90
(31) 102018203619	(33) United States of America	B29C 48/00
(32) 09.03.2018	(51) B28D 1/06	B29C 48/04
(33) Germany	B27B 3/38	B29C 48/05
(51) B26D 7/26	B23D 51/12	B29C 48/285
B26D 3/00	(11) EP3009245	B29C 45/00
B26D 1/02	(21) EP14810155.3	C08J 5/04
(11) EP3548234	(47) 13.04.2022	(11) EP3466630
(21) EP17821464.9	(87) KR2014005083	(21) EP17802540.9
(47) 13.04.2022	18.12.2014	(47) 13.04.2022
(87) DE2017101028	(22) 10.06.2014	(87) JP2017017140
	(54) STONE CUTTING DEVICE	30.11.2017

(22) 01.05.2017	(54) MOULD ALIGNER FOR A WIND	(33) Italy
(54) METHOD FOR PRODUCING A FIBER-CONTAINING PARTICULATE RESIN STRUCTURE	TURBINE BLADE SHELL MOULD	(51) B29C 55/16
(73) Sumitomo Bakelite Co.,Ltd.	(73) LM Wind Power A/S	B29D 7/01
(72) NAKANO, Shogo	(72) Jakobsen, Poul	B29K 77/00
OKADA, Wataru	Hanachiuc, Silviu Gabriel	B29K 67/00
KOIZUMI, Koji	Eriksen, Johnny	B29C 55/00
INOKUCHI, Hideaki	(51) B29C 45/16	(11) EP3733376
YAMAMOTO, Shuhei	B29C 45/73	(21) EP18895593.4
(31) 2016103407	(11) EP3592525	(47) 13.04.2022
(32) 24.05.2016	(21) EP17714050.6	(87) JP2018047821
(33) Japan	(47) 13.04.2022	04.07.2019
(51) B29B 11/14	(87) US2017021038	(22) 26.12.2018
B29C 49/22	13.09.2018	(54) POLYAMIDE FILM AND PRODUCTION METHOD FOR SAME
B65D 83/62	(22) 07.03.2017	(73) Unitika Ltd.
B29C 49/10	(54) TWO SHOT INJECTION MOLDING PROCESS FOR THERMOPLASTIC PARTS	(72) OKUZU Takayoshi
B29C 49/06	(73) Covestro LLC	AKAMATSU Ken
(11) EP3496923	(72) LORENZO, James	HAMAMOTO Akiko
(21) EP17757625.3	MCCANNA, Jesse	(31) 2017252735
(47) 13.04.2022	DAVIS, Terry	(32) 28.12.2017
(87) US2017046391	ROBBINS, James	(33) Japan
15.02.2018	(51) B29C 48/09	(51) B29C 64/106
(22) 11.08.2017	B29C 48/25	B29C 64/118
(54) PRESSURIZED PLURAL NESTED PREFORM ASSEMBLY AND METHOD OF MANUFACTURE	B29C 48/90	B29C 70/68
(73) The Procter & Gamble Company	(11) EP3357667	C08L 53/00
(72) HUSTON, Larry Leroy	(21) EP18155184.7	B29K 25/00
SMITH, Scott Edward	(47) 13.04.2022	B29K 96/04
(31) 201615235262	(22) 05.02.2018	B29K 105/00
(32) 12.08.2016	(54) VACUUM/DRY-CALIBRATION TOOL FOR EXTRUDING A PLASTIC HOLLOW PROFILE	(11) EP3063187
(33) United States of America	(73) Veka AG	(21) EP14857363.7
(51) B29B 15/12	(72) Schmik, Paul	(47) 13.04.2022
B29C 70/06	(31) 102017102387	(87) US2014062122
C08J 5/04	(32) 07.02.2017	07.05.2015
(11) EP3395551	(33) Germany	(22) 24.10.2014
(21) EP16878799.2	(51) B29C 49/20	(54) A FUSE MOLDED THREE DIMENSIONAL ARTICLE AND A METHOD FOR MAKING THE SAME
(47) 13.04.2022	(11) EP3666496	(73) Kraton Polymers U.S. LLC
(87) JP2016088188	(21) EP18211294.6	(72) GREGER, Marcus
29.06.2017	(47) 13.04.2022	(31) 201314070053
(22) 21.12.2016	(22) 10.12.2018	(32) 01.11.2013
(54) FIBER-REINFORCED RESIN MATERIAL MOLDING, METHOD FOR MANUFACTURING FIBER-REINFORCED RESIN MATERIAL MOLDING, AND METHOD FOR MANUFACTURING FIBER-REINFORCED RESIN MATERIAL	(54) METHOD FOR PRODUCING A PLASTIC TANK	(33) United States of America
(73) Mitsubishi Chemical Corporation	(73) Magna Energy Storage Systems	(51) B29C 64/124
(72) KANEHAGI Junji	GesmbH	B29C 64/165
WATANABE Yasushi	(72) WIMMER, Florian	B33Y 10/00
MIZUTORI Yukihiro	PUCHLEITNER, Rainer	B33Y 30/00
KOBAYASHI Takayuki	URDL, Christian	B29C 70/58
SAMEJIMA Tadao	FUCHS, Philipp	(11) EP3812131
(31) 2016007707	(51) B29C 49/64	(21) EP19204782.7
2015251532	B29C 49/68	(47) 13.04.2022
(32) 19.01.2016	B29C 49/06	(22) 23.10.2019
24.12.2015	B29C 49/42	(54) STEREO LITHOGRAPHY METHOD
(33) Japan	B29K 67/00	(73) Ivoclar Vivadent AG
Japan	B29L 31/00	(72) HAGENBUCH, Konrad
(51) B29C 33/30	(11) EP3854566	FREI, Roger
B29D 99/00	(21) EP21150954.2	HAEFELE, Clemens Andreas
B29C 33/20	(47) 13.04.2022	(51) B29C 64/135
(11) EP3695946	(22) 11.01.2021	B29C 64/245
(21) EP19157208.0	(54) PREFORM HEATING DEVICE	B29C 64/209
(47) 13.04.2022	(73) SMI S.p.A.	B33Y 10/00
(22) 14.02.2019	(72) FISCHER, Edgar	B33Y 30/00
	MILESI, Giovanni	B29C 64/124
	CORTINOVIS, Ivan	(11) EP3625056
	(31) 202000001360	(21) EP18801929.3
	(32) 24.01.2020	(47) 13.04.2022
		(87) US2018032837
		22.11.2018
		(22) 15.05.2018

(54) VISCOUS FILM THREE-DIMENSIONAL PRINTING SYSTEMS AND METHODS	(54) THREE-DIMENSIONAL OBJECT SHAPING DEVICE	G06Q 10/06 G06Q 50/04
(73) Holo, Inc.	(73) Mimaki Engineering Co., Ltd.	(11) EP2954460
(72) ADZIMA, Brian	(72) HAKKAKU, Kunio	(21) EP14746762.5
AGHABABAIE, Arian	KAWAI, Tomoya	(47) 13.04.2022
POMEROY, Jonathan	(31) 2017015316	(87) IB2014000474
LIN, Pierre	(32) 31.01.2017	07.08.2014
(31) 201762506523 P	(33) Japan	(22) 31.03.2014
(32) 15.05.2017	(51) B29C 65/36	(54) SYSTEM, METHOD, AND PROGRAM
(33) United States of America	B29C 65/48	PRODUCT FOR DIGITAL PRODUCTION
(51) B29C 64/165	(11) EP3802072	MANAGEMENT
B29C 64/209	(21) EP19743024.2	(73) Authentise Inc.
B29C 64/386	(47) 13.04.2022	(72) WEGNER, Andre, P.
B33Y 10/00	(87) NL2019050317	CROGAN, Michael, L.
B33Y 50/00	05.12.2019	McCOY, Melissa, L.
B33Y 30/00	(22) 31.05.2019	(31) 201414172449
(11) EP3656540	(54) METHOD AND DEVICE FOR	(32) 04.02.2014
(21) EP18874478.3	JOINING MOULDED PARTS BY	(33) United States of America
(47) 13.04.2022	ELECTROMAGNETIC WELDING	(51) B29C 70/30
(87) CN2018112565	(73) KOK & VAN ENGELN COMPOSITE	G01N 23/046
09.05.2019	STRUCTURES B.V.	B29C 70/54
(22) 30.10.2018	(72) LABORDUS, Maarten	G01N 21/892
(54) 3D-PRINTING METHOD AND SYSTEM	JANSEN, Tom, Johannes	(11) EP3812117
(73) Kocel Intelligent Machinery Limited	BRUIJKERS, Michiel, Hendrik, Paul	(21) EP19821508.9
(72) PENG, Fan	(31) 2021039	(47) 13.04.2022
DU, Yinxue	(32) 01.06.2018	(87) JP2019023985
WANG, Junwei	(33) Netherlands	26.12.2019
ZHOU, Zixiang	(51) B29C 67/00	(22) 18.06.2019
YANG, Bao	(11) EP3664994	(54) METHOD FOR MANUFACTURING
LIU, Yi	(21) EP18797483.7	COMPOSITE MATERIAL AND
(31) 201711035710	(47) 13.04.2022	METHOD FOR EXAMINING WEIGHT
201711032220	(87) US2018056842	UNEVENNESS OF COMPOSITE
(32) 30.10.2017	09.05.2019	MATERIAL
30.10.2017	(22) 22.10.2018	(73) Teijin Limited
(33) China	(54) MASS CUSTOMIZATION IN ADDITIVE	(72) TOYOZUMI, Takashi
China	MANUFACTURING	(31) 2018116270
(51) B29C 64/255	(73) Carbon, Inc.	(32) 19.06.2018
B29C 64/329	(72) KABARIA, Hardik	(33) Japan
B33Y 30/00	KURTZ, Aidan	(51) B29C 70/34
B33Y 40/00	(31) 201862719316 P	B29C 70/44
B29C 49/48	201762579346 P	B29C 70/46
B29C 31/02	(32) 17.08.2018	B29C 70/54
B29C 65/06	31.10.2017	(11) EP3398758
B29C 64/321	(33) United States of America	(21) EP17202830.0
B41J 2/00	United States of America	(47) 13.04.2022
B29C 65/00	(51) B29C 67/00	(22) 25.07.2005
B29L 31/00	G03F 7/00	(54) METHOD AND SYSTEM FOR
B41J 2/175	(11) EP3429833	MANUFACTURING COMPOSITE
(11) EP3645247	(21) EP17717919.9	PARTS WITH FEMALE TOOLS
(21) EP17928040.9	(47) 13.04.2022	(73) The Boeing Company
(47) 13.04.2022	(87) US2017022311	(72) WOODS, Jack A.
(87) US2017055247	21.09.2017	HANKS, Dennis J.
11.04.2019	(22) 14.03.2017	BRUSTAD, Val G.
(22) 05.10.2017	(54) RADIATION CURABLE COMPOSITIONS	CUNDIFF, Thomas R.
(54) BUILD MATERIAL CONTAINER WITH	FOR ADDITIVE FABRICATION WITH	MODIN, Andrew E.
HELICAL RAISED PORTIONS	IMPROVED TOUGHNESS AND HIGH	(31) 899660
(73) Hewlett-Packard Development Company, L.P.	TEMPERATURE RESISTANCE	(32) 26.07.2004
(72) SWIER, Kevin E.	(73) Covestro (Netherlands) B.V.	(33) United States of America
(51) B29C 64/35	(72) SEURER, Brad	(51) B29C 70/38
B29C 64/218	KWISNEK, Luke	B29C 35/04
B33Y 30/00	(31) 201662308023 P	B29C 35/16
B33Y 40/00	(32) 14.03.2016	B29C 70/54
(11) EP3366457	(33) United States of America	(11) EP3538355
(21) EP18152489.3	(51) B29C 67/00	(21) EP17798298.0
(47) 13.04.2022	G06F 3/12	(47) 13.04.2022
(22) 19.01.2018	G06F 30/00	(87) GB2017053401
	G06K 15/02	17.05.2018
	G06F 21/16	(22) 10.11.2017

(54) COMPOSITE MATERIAL LAY-UP EQUIPMENT	(32) 17.05.2018	AND METHOD FOR FILTRATION AND/OR CONCENTRATING
(73) Rolls-Royce plc	(33) Germany	(73) Bruckner, Thomas
(72) TINGLE, James	(51) B29D 30/30	(72) Bruckner, Thomas
(31) 201619076	B29D 30/26	(31) 102016013059
(32) 11.11.2016	B29D 30/28	(32) 03.11.2016
(33) United Kingdom	(11) EP3632668	(33) Germany
(51) B29D 7/01	(21) EP18806586.6	(51) B30B 11/16
B29C 48/00	(47) 13.04.2022	B30B 15/32
B29C 48/08	(87) JP2018015486	B01J 2/22
B29C 48/305	29.11.2018	A61J 3/10
B29C 48/88	(22) 13.04.2018	(11) EP3470216
B29C 48/885	(54) METHOD AND DEVICE FOR MOLDING TIRE	(21) EP17810214.1
B32B 15/08	(73) The Yokohama Rubber Co., Ltd.	(47) 13.04.2022
C08J 3/12	(72) KUMAZAWA, Tomohiro	(87) JP2017020567
C08J 5/18	YAMAMURA, Eiji	14.12.2017
B29K 33/04	(31) 201715795146	(22) 02.06.2017
B29K 509/10	201762511877 P	(54) PRESSURE GRANULATION MACHINE FOR MOLDED PRODUCTS
(11) EP3418326	(32) 26.10.2017	(73) Sintokogio, Ltd.
(21) EP17753130.8	26.05.2017	(72) ODAGI, Katsuaki
(47) 13.04.2022	(33) United States of America	(31) 2016114181
(87) JP2017005152	United States of America	(32) 08.06.2016
24.08.2017	(51) B29D 30/60	(33) Japan
(22) 13.02.2017	B60C 1/00	(51) B30B 15/06
(54) THERMOPLASTIC RESIN FILM, ITS MANUFACTURING METHOD AND LAMINATED BODY	B60C 19/08	B30B 15/24
(73) Kuraray Co., Ltd.	B29D 30/52	B30B 15/00
(72) HOSHIBA, Takao	B60C 11/00	B30B 15/02
FUJII, Nariaki	(11) EP3562662	C21D 1/673
HAGIWARA, Masaaki	(21) EP17847728.7	(11) EP2990192
TSUJI, Wataru	(47) 13.04.2022	(21) EP15182414.1
(31) 2016025751	(87) IB2017058452	(47) 13.04.2022
(32) 15.02.2016	05.07.2018	(22) 25.08.2015
(33) Japan	(22) 28.12.2017	(54) PRESSURE FORMING TOOL WITH TOLERANCE COMPENSATION
(51) B29D 11/00	(54) PROCESS FOR THE PRODUCTION OF AN ANTISTATIC TYRE FOR VEHICLE WHEELS AND ANTISTATIC TYRE THUS OBTAINED	(73) Benteler Automobiltechnik GmbH
B29C 33/60	(73) Pirelli Tyre S.p.A.	(72) Lütkemeyer, Oliver
C07C 319/12	(72) RESMINI, Emiliano	Frost, Dipl.-Ing. (FH) Georg
C07C 321/04	BEATRICE, Elena	Köster, Josef
C07C 323/52	AZZARETTO, Riccardo	(31) 102014112325
C08G 18/70	(31) 201600132491	(32) 27.08.2014
C08G 18/38	(32) 29.12.2016	(33) Germany
G02B 1/04	(33) Italy	(51) B32B 3/12
G02B 3/00	(51) B29D 30/72	B32B 15/01
(11) EP3505335	(11) EP3523119	E04F 13/08
(21) EP18215852.7	(21) EP17743037.8	E04F 13/12
(47) 13.04.2022	(47) 13.04.2022	E21D 11/00
(22) 24.12.2018	(87) EP2017068731	(11) EP3357680
(54) POLYTHIOL COMPOSITION FOR A PLASTIC OPTICAL LENS	12.04.2018	(21) EP17154655.9
(73) SKC Co., Ltd.	(22) 25.07.2017	(47) 13.04.2022
(72) SHIN, Junghwan	(54) METHOD FOR PRODUCING A VEHICLE TYRE	(22) 03.02.2017
SHIM, Jongmin	(73) Continental Reifen Deutschland GmbH	(54) TUNNEL LINING
SEO, Hyeon Myeong	(72) BECHERER, Thomas	(73) Senova Kunststoffe GmbH & Co. KG
HONG, Seung Mo	(31) 102016219472	(72) Straif, Johann
(31) 20170182129	(32) 07.10.2016	Klepsch, Wilhelm
(32) 28.12.2017	(33) Germany	(51) B32B 5/02
(33) Korea (Republic)	(51) B30B 9/26	B32B 5/06
(51) B29D 30/06	B30B 9/12	B32B 5/26
(11) EP3569395	(11) EP3321079	B32B 15/14
(21) EP19169165.8	(21) EP17001792.5	B64G 1/54
(47) 13.04.2022	(47) 13.04.2022	B64G 1/56
(22) 15.04.2019	(22) 02.11.2017	B64G 1/52
(54) METHOD FOR VULCANIZING A TYRE	(54) SCREW FILTER PRESS FOR FILTRATION AND/OR CONCENTRATING OF A FLUID, SOLIDS-LADEN SUSPENSION FLOW	(11) EP3042760
(73) Continental Reifen Deutschland GmbH		(21) EP15196463.2
(72) Hesse, Heiko		(47) 13.04.2022
Walczok, Mario		(22) 26.11.2015
(31) 102018207746		(54) SPACECRAFT AND SPACECRAFT PROTECTIVE BLANKETS

(73) The Boeing Company	B32B 27/22	TOZZI, Pierluigi
(72) MINDOCK, Eric S	B32B 27/30	MASTROMATTEO, Francesco
TOMZYNKA, Anna Maria	B32B 27/32	(31) UB20150793
ASTON, Richard W	C09J 153/02	(32) 22.05.2015
(31) 201514595019	(11) EP3027076	(33) Italy
(32) 12.01.2015	(21) EP14777809.6	(51) B32B 27/08
(33) United States of America	(47) 13.04.2022	A47B 96/20
(51) B32B 5/02	(87) IB2014063546	B32B 3/08
B32B 5/18	05.02.2015	B32B 7/12
B32B 7/12	(22) 30.07.2014	B32B 21/04
B32B 15/08	(54) REVERSIBLE FASTENING DEVICE	B32B 21/06
B32B 15/12	(73) FAIT PLAST S.p.A.	B32B 21/08
B32B 15/20	(72) DELLA PUPPA, Stefano	B32B 21/14
B32B 27/06	ARICI, Guido	B32B 27/10
B32B 27/10	ARICI, Andrea	B32B 27/16
B32B 29/00	(31) MI20131326	B32B 27/18
B32B 1/08	(32) 02.08.2013	B32B 29/00
F16L 3/26	(33) Italy	E04C 2/00
F24D 3/14	(51) B32B 9/00	(11) EP3670182
(11) EP3144136	(11) EP2945797	(21) EP19210019.6
(21) EP15186067.3	(21) EP14740352.1	(47) 13.04.2022
(47) 13.04.2022	(47) 13.04.2022	(22) 19.11.2019
(22) 21.09.2015	(87) IL2014050057	(54) COMPONENT, ESPECIALLY A PLATE
(54) CARRIER FOIL FOR A HOOK	24.07.2014	ELEMENT
AND LOOP SYSTEM OF A	(22) 16.01.2014	(73) REHAU Industries SE & Co. KG
SURFACE TEMPERING SYSTEM,	(54) TRANSFER TAPE COMPRISING	(72) Kraus, Alexander
SURFACE TEMPERATURE SYSTEM	ADHESIVE FOR A PROTECTIVE WRAP	(31) 202018107256 U
COMPRISING IT AND METHOD FOR	(73) NIROTEK A.C.S. LTD	(32) 19.12.2018
THE PRODUCTION OF A SURFACE	(72) RIMON, Uri	(33) Germany
TEMPERING SYSTEM	(31) 201361807784 P	(51) B32B 27/08
(73) REHAU Industries SE & Co. KG	201361753452 P	B32B 27/32
(72) Burkhardt, Oliver	(32) 03.04.2013	C08F 110/10
Vohler, Tobias	17.01.2013	C08L 23/04
(31) 102015115808	(33) United States of America	A23K 30/10
(32) 18.09.2015	United States of America	A01F 25/13
(33) Germany	(51) B32B 17/10	B65D 71/00
(51) B32B 7/00	(11) EP3799587	(11) EP3642033
B32B 7/02	(21) EP19856511.1	(21) EP18730381.3
B32B 7/04	(47) 13.04.2022	(47) 13.04.2022
B32B 7/12	(87) IB2019061462	(87) EP2018066191
B32B 27/06	09.07.2020	27.12.2018
B32B 27/08	(22) 31.12.2019	(22) 19.06.2018
B32B 27/18	(54) PRINTED GLASS, METHODS AND	(54) SILAGE FILM SOLUTIONS
B32B 27/20	USES THEREOF	(73) SABIC Global Technologies B.V.
B32B 27/32	(73) Dissipation - Design E Inovação, Lda	(72) BACCARO, Lucio
(11) EP3259126	(72) RAVAZZINI, Alessandra	SCALA, Attilio
(21) EP16708762.6	(31) 2019115245	(31) 17177288
(47) 13.04.2022	(32) 04.01.2019	17177291
(87) US2016014694	(33) Portugal	(32) 22.06.2017
25.08.2016	(51) B32B 18/00	22.06.2017
(22) 25.01.2016	C04B 35/58	(33) European Patent Office (EPO)
(54) COMPOSITE BALLISTIC RESISTANT	C04B 35/645	European Patent Office (EPO)
LAMINATE	C04B 35/65	(51) B32B 27/18
(73) DuPont Safety & Construction, Inc.	F01D 5/22	B32B 27/32
(72) SINGLETARY, James Neal	F01D 9/02	B29C 48/08
SAUER, Bryan Benedict	(11) EP3297825	B29C 55/00
KAMPERT, William George	(21) EP16726044.7	B32B 37/15
CARBAJAL, Leopoldo Alejandro	(47) 13.04.2022	B65D 65/40
LIBERT, Timothy A.	(87) EP2016061272	C08J 3/22
(31) 201514709627	01.12.2016	B32B 27/08
201514625193	(22) 19.05.2016	B29C 55/12
(32) 12.05.2015	(54) SILICIDE-BASED COMPOSITE	B29D 7/01
18.02.2015	MATERIAL AND PROCESS FOR	B29K 105/00
(33) United States of America	PRODUCING THE SAME	(11) EP3498470
United States of America	(73) Nuovo Pignone Tecnologie - S.r.l.	(21) EP17839528.1
(51) B32B 7/06	(72) GIOVANNETTI, Iacopo	(47) 13.04.2022
B32B 7/12	GIANNOZZI, Massimo	(87) JP2017028915
B32B 27/08	DIMATTEO, Antonella	15.02.2018

(22) 09.08.2017	Canziani, Herbert	(54) LIQUID EJECTING HEAD AND LIQUID
(54) LAMINATED RESIN FILM	(51) B33Y 80/00	EJECTING APPARATUS
(73) Nippon Shokubai Co., Ltd.	B29C 64/106	(73) CANON KABUSHIKI KAISHA
(72) TAKATA, Tomonari	B29C 64/188	(72) YAMADA, Kazuhiro
OKOCHI, Hiroko	(11) EP3285989	NAKAGAWA, Yoshiyuki
NAKATANI, Yasutaka	(21) EP16717638.7	NABESHIMA, Naozumi
(31) 2016158146	(47) 13.04.2022	NAKAMURA, Yohei
(32) 10.08.2016	(87) EP2016058844	(31) 2017188865
(33) Japan	27.10.2016	(32) 28.09.2017
(51) B32B 37/00	(22) 21.04.2016	(33) Japan
B32B 7/06	(54) METHOD FOR THE PREPARATION OF	(51) B41J 2/165
(11) EP3645285	3D OBJECTS	(11) EP2979874
(21) EP18734214.2	(73) Covestro Deutschland AG	(21) EP15164948.0
(47) 13.04.2022	(72) ACHTEN, Dirk	(47) 13.04.2022
(87) EP2018067107	DEGIORGIO, Nicolas	(22) 24.04.2015
03.01.2019	MICHAELIS, Thomas	(54) PRINthead CLEANING ASSEMBLY
(22) 26.06.2018	BEENEN-FUCHS, Maria, Elisabeth	(73) Ricoh Company, Ltd.
(54) MULTI-LAYER FUNCTIONAL FILM AND	WAGNER, Roland	(72) Korsch, Ronald Frederick
PRODUCTION METHOD THEREOF	BÜSGEN, Thomas	Fernando, Dilan Nirushan
(73) Fraunhofer-Gesellschaft zur Förderung	(31) 15164524	(31) 201414448896
der angewandten Forschung e.V.	(32) 21.04.2015	(32) 31.07.2014
Dupont Teijin Films U.S. Limited	(33) European Patent Office (EPO)	(33) United States of America
Partnership	(51) B41F 11/02	(51) B41J 2/175
(72) PRAGER, Nicole	B41F 13/10	(11) EP3744529
VON MORGEN, Valentijn	B42D 15/00	(21) EP20182047.9
ZYWITZKI, Olaf	(11) EP3787898	(47) 13.04.2022
FAHLAND, Matthias	(21) EP19721266.5	(22) 22.12.2006
FAHLTEICH, John	(47) 13.04.2022	(54) PRINTING MATERIAL CONTAINER
EVESON, Robert	(87) EP2019061040	(73) Seiko Epson Corporation
(31) 201710213	07.11.2019	(72) ASAUCHI, Noboru
(32) 27.06.2017	(22) 30.04.2019	(31) 2006220751
(33) United Kingdom	(54) PRINTED PRODUCT, METHOD FOR	2005372028
(51) B32B 43/00	PRODUCING A PRINTED PRODUCT,	(32) 11.08.2006
C09J 9/02	FORME CYLINDER AND PRINTING	26.12.2005
C09J 175/02	MACHINE	(33) Japan
B32B 7/12	(73) Koenig & Bauer AG	Japan
C09J 5/06	(72) GUILLEREY, Hervé	(51) B41J 2/475
H01B 1/12	(31) 102018206734	B41J 2/45
(11) EP3199344	(32) 02.05.2018	B41J 2/455
(21) EP16153631.3	(33) Germany	(11) EP3827995
(47) 13.04.2022	(51) B41J 2/135	(21) EP20209770.5
(22) 01.02.2016	B41J 29/393	(47) 13.04.2022
(54) ELECTRICAL DEBONDING OF PU	B41J 2/00	(22) 25.11.2020
HOT MELT ADHESIVES BY USE OF	B41J 2/21	(54) IMAGE RECORDING APPARATUS,
CONDUCTIVE INKS	(11) EP3442798	OUTPUT CONTROL METHOD, AND
(73) Henkel AG & Co. KGaA	(21) EP17782046.1	OUTPUT CONTROL PROGRAM
(72) HEUCHER, Reimar	(47) 13.04.2022	(73) Ricoh Company, Ltd.
KOPANNIA, Siegfried	(87) IL2017050414	(72) UEHIRA, Masataka
MÖLLER, Thomas	19.10.2017	(31) 2019215414
CRAWFORD, Alasdair	(22) 06.04.2017	(32) 28.11.2019
(51) B33Y 70/00	(54) SYSTEM AND METHODS FOR	(33) Japan
B33Y 70/10	DETECTING MALFUNCTIONING	(51) B41J 3/407
B29C 64/153	NOZZLES IN A DIGITAL PRINTING	B41J 3/54
B29C 64/165	PRESS	B41J 2/21
B22F 1/00	(73) Advanced Vision Technology (AVT) Ltd.	(11) EP3481638
B29B 9/10	(72) GAZALA, Chanan	(21) EP17719623.5
B29B 9/12	(31) 201762481723 P	(47) 13.04.2022
B01J 2/04	201662321074 P	(87) EP2017060134
(11) EP3760412	(32) 05.04.2017	11.01.2018
(21) EP19184797.9	11.04.2016	(22) 27.04.2017
(47) 13.04.2022	(33) United States of America	(54) METHOD AND DEVICE FOR
(22) 05.07.2019	United States of America	MULTIPLE-COLOUR INKJET PRINTING
(54) POWDER AND METHOD FOR	(51) B41J 2/14	ON CONTAINERS
THE PREPARATION OF THREE-	B41J 2/18	(73) Kronos AG
DIMENSIONAL OBJECTS	(11) EP3461642	(72) GERTLOWSKI, Georg
(73) Friedrich-Alexander-Universität Erlangen-	(21) EP18193948.9	MAYER, Josef
Nürnberg	(47) 13.04.2022	(31) 102016212521
(72) Vogel, Nicolas	(22) 12.09.2018	(32) 08.07.2016

(33) Germany	KAPPELMAIER, Katrin	B60C 5/01
(51) B41J 11/00	KAPPELMAIER, Felix	B60C 9/22
G03G 15/00	(31) 102015006334	B60C 15/04
G03G 21/16	(32) 19.05.2015	C09J 123/00
(11) EP3666533	(33) Germany	C09J 125/04
(21) EP19212441.0	(51) B60C 5/01	C09J 125/10
(47) 13.04.2022	B60C 5/00	C09J 167/00
(22) 29.11.2019	B60C 9/00	C09J 171/10
(54) FIXING MEMBER AND IMAGE FORMING APPARATUS	B60C 9/18	D07B 1/06
(73) KYOCERA Document Solutions Inc.	B60C 13/00	B29D 30/16
(72) YAMASAKI, Shunsuke	C08L 67/00	C09J 7/00
(31) 2018224795	C08L 75/04	B29D 30/38
(32) 30.11.2018	C08L 77/00	B29D 30/48
(33) Japan	D07B 1/06	(11) EP3640053
(51) B41M 5/26	B60C 9/22	(21) EP18817991.5
B23K 26/08	(11) EP3640048	(47) 13.04.2022
B23K 26/00	(21) EP18816968.4	(87) JP2018019114
B23K 26/06	(47) 13.04.2022	20.12.2018
(11) EP2594406	(87) JP2018016841	(22) 17.05.2018
(21) EP12007551.0	20.12.2018	(54) RESIN-METAL COMPOSITE MEMBER FOR TIRE, AND TIRE
(47) 13.04.2022	(22) 25.04.2018	(73) Bridgestone Corporation
(22) 07.11.2012	(54) TIRE	(72) NAKAKITA, Yukinori
(54) Laser plotter and method for engraving, marking and/or labelling a workpiece	(73) Bridgestone Corporation	FUEMOTO, Hiroyuki
(73) Trotec Laser GmbH	(72) KYO, Soichi	(31) 2017118904
(72) Fazeny, Stephan	FUEMOTO, Hiroyuki	(32) 16.06.2017
(31) 16362011	(31) 2017115090	(33) Japan
(32) 07.11.2011	(32) 12.06.2017	(51) B60C 9/18
(33) Austria	(33) Japan	B60C 9/00
(51) B42D 25/30	(11) EP3659820	B60C 9/20
B42D 25/305	(21) EP20151837.0	(11) EP3643517
B42D 25/455	(47) 13.04.2022	(21) EP18821087.6
B42D 25/46	(22) 17.12.2014	(47) 13.04.2022
B42D 25/475	(54) AIRLESS TIRE CONSTRUCTION HAVING VARIABLE STIFFNESS	(87) JP2018023356
G06K 19/06	(73) Bridgestone Americas Tire Operations, LLC	27.12.2018
B42D 25/45	(72) Robert W., ASPER	(22) 19.06.2018
G06K 19/077	(31) 201361920528 P	(54) PNEUMATIC TIRE
(11) EP3741580	(32) 24.12.2013	(73) Bridgestone Corporation
(21) EP20173996.8	(33) United States of America	(72) NAKAMURA Masaaki
(47) 13.04.2022	(51) B60C 7/24	AIKAWA Eisuke
(22) 11.05.2020	B60B 1/14	(31) 2017120913
(54) VALUABLE OR SECURITY DOCUMENT AND METHOD FOR ITS PRODUCTION	B60C 7/18	(32) 20.06.2017
(73) Bundesdruckerei GmbH	B60B 1/02	(33) Japan
(72) KLOESER, Joachim	B60B 9/26	(51) B60C 11/03
BAUDACH, Steffen	B60B 1/04	(11) EP3887175
FERBER, Alexander	B60B 5/02	(21) EP19836513.2
(31) 102019113569	B60B 19/00	(47) 13.04.2022
(32) 21.05.2019	(11) EP3666549	(87) IB2019060317
(33) Germany	(21) EP20155605.7	04.06.2020
(51) B42D 25/351	(47) 13.04.2022	(22) 29.11.2019
B42D 25/387	(22) 08.12.2017	(54) MOTORCYCLES TYRE
B41M 1/04	(54) NONPNEUMATIC TIRE AND METHOD OF ASSEMBLING A NONPNEUMATIC TIRE AND HUB	(73) Pirelli Tyre S.p.A.
B41M 1/10	(73) Bridgestone Americas Tire Operations, LLC	(72) BRUSCHELLI, Luca
B41M 1/12	(72) Haidet, Andrew Vincent	BONACCORSI, Giuliano
B42D 25/45	Costlow, Douglas Bryan	MARIANI, Mario
B42D 25/378	Reinhardt, Sharon E.	(31) 201800010725
(11) EP3297845	Nesbitt, Adam K.	(32) 30.11.2018
(21) EP16729197.0	(31) 201662437299 P	(33) Italy
(47) 13.04.2022	(32) 21.12.2016	(51) B60C 11/03
(87) EP2016061167	(33) United States of America	B60C 11/12
24.11.2016	(51) B60C 9/00	B60C 5/18
(22) 18.05.2016	B32B 15/09	(11) EP3628509
(54) DATA SUPPORT WITH APPLIED DATA WHICH IS TO BE KEPT SECRET	B32B 25/04	(21) EP19207503.4
(73) KSG - Kappelmaier Service GmbH		(47) 13.04.2022
(72) KAPPELMAIER, Michael		(22) 16.05.2016
		(54) A TYRE FOR VEHICLE WHEELS
		(73) Pirelli Tyre S.p.A.
		(72) SPEZIARI, Diego Ettore

MONTESELLO, Stefano	HJERPPE, Sauli	(11) EP3717286
BELLO, Vito	KOKKONEN, Matti Leo Antero	(21) EP18839909.1
(31) UB20150946	(31) 20160191	(47) 13.04.2022
(32) 27.05.2015	(32) 29.07.2016	(87) NL2018050799
(33) Italy	(33) Finland	06.06.2019
(51) B60C 11/16	(51) B60C 23/04	(22) 28.11.2018
B60C 11/24	(11) EP3560736	(54) AXLE CLAMPING ARRANGEMENT
(11) EP3763549	(21) EP19155398.1	(73) VDL Weweler B.V.
(21) EP20183776.2	(47) 13.04.2022	(72) SCHRIER, Tom
(47) 13.04.2022	(22) 05.02.2019	BRUINJA, Marten Frank Ciarán
(22) 02.07.2020	(54) METHOD FOR TRANSMITTING DATA	(31) 2019987
(54) A POLYMER STUD AND A TIRE	OF A TYRE MODULE TO A CENTRAL	(32) 28.11.2017
COMPRISING A POLYMER STUD	DATA SERVER	(33) Netherlands
(73) The Goodyear Tire & Rubber Company	(73) Continental Reifen Deutschland GmbH	(51) B60G 17/015
(72) GEORGES, Damian Wilhelm	(72) James, Akhil	B60G 21/055
PONS, Frederic Michel-Jean	(31) 102018206457	F16H 49/00
(31) 201962871489 P	(32) 26.04.2018	H02K 5/16
(32) 08.07.2019	(33) Germany	H02K 5/24
(33) United States of America	(51) B60D 1/01	H02K 7/116
(51) B60C 13/02	B60D 1/64	H02K 16/00
B29D 30/06	B62D 53/12	H02K 5/173
B60C 13/00	(11) EP3867083	H02K 7/00
(11) EP3798025	(21) EP20713860.3	(11) EP3409517
(21) EP20196148.9	(47) 13.04.2022	(21) EP18175516.6
(47) 13.04.2022	(87) EP2020057439	(47) 13.04.2022
(22) 15.09.2020	08.10.2020	(22) 01.06.2018
(54) TIRE	(22) 18.03.2020	(54) ACTIVE SUSPENSION
(73) Sumitomo Rubber Industries, Ltd.	(54) PRIMARY COUPLING DEVICE AND	(73) Ovalo GmbH
(72) TAMAI, Junya	METHOD FOR CONNECTING A	(31) 100272
HAYASHI, Koji	PRIMARY COUPLING DEVICE	(32) 02.06.2017
TATSUTA, Masahiro	(73) SAF-HOLLAND GmbH	(33) Luxembourg
NAGASE, Masahiro	(72) KÖSTER, Mario Sebastian	(51) B60G 99/00
ITO, Masaya	(31) 102019108953	B60G 11/26
TERASHIMA, Masaki	(32) 05.04.2019	B60G 17/056
OBA, Ryo	(33) Germany	B62D 33/06
UEDA, Kenji	(51) B60F 5/02	F16F 9/19
NAKAMURA, Masatomo	B60K 1/02	F16F 9/46
(31) 2019180273	B60K 17/04	F16F 9/516
(32) 30.09.2019	(11) EP3847043	B60G 17/015
(33) Japan	(21) EP19919551.2	F16F 9/56
(51) B60C 15/04	(47) 13.04.2022	(11) EP3789219
(11) EP3290238	(87) SG2019050587	(21) EP20194229.9
(21) EP17188402.6	03.06.2021	(47) 13.04.2022
(47) 13.04.2022	(22) 29.11.2019	(22) 03.09.2020
(22) 29.08.2017	(54) LAND AND AERIAL TRANSPORTATION	(54) SUSPENSION HYDRAULIC
(54) HEAVY DUTY TIRE	VEHICLE AND POWERTRAIN	ARRANGEMENT FOR A WORK
(73) The Goodyear Tire & Rubber Company	THEREOF	VEHICLE
(72) BISHOP, Daniel Austin	(73) Ker, Zhen Gang	(73) CNH Industrial Italia S.p.A.
(31) 201662381149 P	(72) Ker, Zhen Gang	(72) Lenzini, Nicola
(32) 30.08.2016	(51) B60G 7/00	Paolini, Francesco
(33) United States of America	B60G 13/00	(31) 201900015590
(51) B60C 19/12	(11) EP3505374	(32) 04.09.2019
B60C 17/06	(21) EP18215917.8	(33) Italy
B60C 17/00	(47) 13.04.2022	(51) B60J 1/00
B60C 5/00	(22) 30.12.2018	B60J 1/17
B29D 30/04	(54) DEVICE AND METHOD FOR	B60J 5/04
B60C 7/24	ATTACHING A CYLINDER TO A	(11) EP3647093
B29D 30/06	CHASSIS OF A VEHICLE	(21) EP18203333.2
(11) EP3490820	(73) Koninklijke Nooteboom Group B.V.	(47) 13.04.2022
(21) EP17833638.4	(72) VAN DE VONDEVOORT, Vincentius	(22) 30.10.2018
(47) 13.04.2022	Hendricus Antony	(54) GLAZED VEHICLE DEVICE WITH
(87) FI2017050560	(31) 2020219	REMOVABLE GUIDE SHOE, DOOR,
01.02.2018	(32) 30.12.2017	VEHICLE AND CORRESPONDING
(22) 28.07.2017	(33) Netherlands	MOUNTING METHOD
(54) ANTI-PUNCTURE SHIELD INSERT FOR	(51) B60G 11/113	(73) Advanced Comfort Systems France SAS
WHEEL	B60G 9/00	- ACS France
(73) Huck To Flat Oy	B60G 11/46	(72) CHARGE, Philippe
(72) KYMÄLÄINEN, Tapio		(51) B60J 5/04

E05F 11/48	(22) 09.07.2013	JOERG, Roland
(11) EP3504076	(54) SYSTEM AND METHOD FOR	(31) 102017008108
(21) EP17746166.2	CONTROLLING OPERATION OF A	(32) 26.08.2017
(47) 13.04.2022	METAL-AIR BATTERY	(33) Germany
(87) FR2017051799	(73) Phinergy Ltd.	(51) B60K 17/22
01.03.2018	(72) YADGAR, Avraham	B60K 17/346
(22) 03.07.2017	(31) 201261669160 P	(11) EP3492294
(54) WINDOW LIFTING DEVICE FOR	(32) 09.07.2012	(21) EP18202480.2
AN OPENING PANEL OF A MOTOR	(33) United States of America	(47) 13.04.2022
VEHICLE	(51) B60K 1/04	(22) 25.10.2018
(73) PSA Automobiles SA	(11) EP3412486	(54) RE-DIRECTING GEARBOX
(72) MILOHANIC, Daniel	(21) EP18174499.6	ARRANGEMENT
JEUFFE, Gerard	(47) 13.04.2022	(73) ZF Friedrichshafen AG
ALRIC, Brice	(22) 28.05.2018	(72) Mühlbauer, Alexander
BERREUR, Jean Charles	(54) BATTERY MOUNTING STRUCTURE	Reitinger, Franz
(31) 1657971	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	Solka, Ulrich
(32) 26.08.2016	(72) YAMANAKA, Atsushi	(31) 102017221376
(33) France	(31) 2017108535	(32) 29.11.2017
(51) B60J 10/25	(32) 31.05.2017	(33) Germany
B60J 7/00	(33) Japan	(51) B60K 35/00
(11) EP3558733	(51) B60K 5/12	(11) EP3590751
(21) EP17825744.0	F16M 7/00	(21) EP18181674.5
(47) 13.04.2022	(11) EP3332999	(47) 13.04.2022
(87) EP2017001418	(21) EP16835027.0	(22) 04.07.2018
28.06.2018	(47) 13.04.2022	(54) METHOD FOR OPERATING A DISPLAY
(22) 12.12.2017	(87) JP2016072684	DEVICE OF A MOTOR VEHICLE,
(54) SEALING ELEMENT, SUITABLE FOR A	16.02.2017	CONTROL MODULE, DISPLAY DEVICE,
VEHICLE SLIDABLE SUN ROOF	(22) 02.08.2016	AND MOTOR VEHICLE
(73) REHAU Industries SE & Co. KG	(54) ENGINE DEVICE SUPPORT	(73) AUDI AG
(72) RÖDEL, Harald	STRUCTURE AND ENGINE DEVICE	(72) Hélot, Jacques
LUNZ, Gabriel	INSTALLATION METHOD	Müller, Ulrich
GÖRMER, Lutz	(73) Bridgestone Corporation	Mertens, Joris
(31) 102017108111	(72) NOMIZO Juichi	Redeker, Immo
202016107342 U	(31) 2015157242	(51) B60K 35/00
(32) 13.04.2017	(32) 07.08.2015	(11) EP3670228
23.12.2016	(33) Japan	(21) EP18212972.6
(33) Germany	(51) B60K 15/03	(47) 13.04.2022
Germany	B29C 49/54	(22) 17.12.2018
(51) B60K 1/00	B29C 49/42	(54) A DISPLAY DEVICE AND A VEHICLE
B60K 11/02	(11) EP3744551	COMPRISING THE DISPLAY DEVICE
(11) EP3785962	(21) EP19177664.0	(73) AUDI AG
(21) EP20189753.5	(47) 13.04.2022	(72) Mertens, Joris
(47) 13.04.2022	(22) 31.05.2019	Hélot, Jacques
(22) 06.08.2020	(54) FUEL TANK WITH REINFORCEMENT	(51) B60K 35/00
(54) COOLING SYSTEM FOR ELECTRIC	DEVICE	B60K 37/00
DRIVE VEHICLE AND VEHICLE	(73) TI Automotive Technology Center GmbH	B60K 37/04
(73) MAZDA MOTOR CORPORATION	(72) SCHWAGER, Dennis	B60K 37/06
(72) NAGANO, Naoki	MICHAELIS, Gerrit	B62D 25/14
KIYOMIHARA, Tatsunori	BOECKER, Albert J.	B62D 1/00
IZUMI, Hirosato	(51) B60K 15/05	B62D 1/04
KITAOKA, Hirotaka	(11) EP3681750	B62D 1/187
(31) 2019151311	(21) EP18746098.5	B60R 11/02
(32) 21.08.2019	(47) 13.04.2022	B60R 11/00
(33) Japan	(87) EP2018066180	(11) EP3823855
(51) B60K 1/00	07.03.2019	(21) EP19732305.8
H01M 10/44	(22) 19.06.2018	(47) 13.04.2022
H01M 10/48	(54) CLOSURE DEVICE FOR CLOSING A	(87) EP2019065723
H01M 12/06	THROUGH-OPENING IN A VEHICLE	23.01.2020
H01M 10/615	BODY, AND VEHICLE COMPRISING	(22) 14.06.2019
H01M 10/6567	SUCH A CLOSURE DEVICE	(54) MOTOR VEHICLE COMPRISING AN
H01M 10/613	(73) Mercedes-Benz Group AG	INSTRUMENT PANEL AND METHOD
H01M 12/08	(72) SCHURZ, Andreas	FOR OPERATING A MOTOR VEHICLE
H01M 4/38	GÖRLICH, Jörn	(73) Audi AG
(11) EP2870013	ROHSE, Tobias	(72) MERTENS, Joris
(21) EP13816400.9	KLINGER, Julius, Friedrich	HÉLOT, Jacques
(47) 13.04.2022	MUCH, Wolfgang	REDEKER, Immo
(87) IL2013050583	HANEL, Frederik	(31) 102018211852
16.01.2014	UHRIG, Andreas	(32) 17.07.2018

(33) Germany	WINDERS, Lisa, L.	(22) 27.05.2019
(51) B60K 35/00	BALK, Mikhail, S.	(54) ELECTRIC VEHICLE SUPPLY
B60K 37/06	SOLESKI, Edward, J.	EQUIPMENT FOR CHARGING AN
(11) EP3825162	(31) 201414231013	ELECTRICAL VEHICLE
(21) EP20194905.4	201361874472 P	(73) ABB Schweiz AG
(47) 13.04.2022	(32) 31.03.2014	(72) Raaijmakers, Stefan
(22) 07.09.2020	06.09.2013	Bilderbeek, Rolf
(54) METHOD FOR OPERATING A VEHICLE	(33) United States of America	Villanyi, Balazs
INFORMATION SYSTEM AND VEHICLE	United States of America	Bech, Lars Peter
INFORMATION SYSTEM	(51) B60L 3/00	(51) B60N 2/12
(73) VOLKSWAGEN AG	B60L 3/08	B60N 2/08
(72) Schmidt, Bastian	B60L 15/12	(11) EP3722145
(31) 102019218048	B60L 15/36	(21) EP18885275.0
(32) 22.11.2019	(11) EP3575126	(47) 13.04.2022
(33) Germany	(21) EP18214878.3	(87) JP2018044914
(51) B60K 37/06	(47) 13.04.2022	13.06.2019
G06F 3/041	(22) 20.12.2018	(22) 06.12.2018
(11) EP3416848	(54) MOTOR CONTROLLER	(54) SEAT SLIDING DEVICE
(21) EP17700269.8	(73) Sungrow Power Supply Co., Ltd.	(73) Delta Kogyo Co., Ltd.
(47) 13.04.2022	(72) YU, Anbo	(72) UTSUNOMIYA, Kenshiro
(87) EP2017050354	YANG, Han	FUKUDA, Jun
24.08.2017	CHEN, Wenjie	(31) 2017235610
(22) 09.01.2017	DU, Enli	(32) 07.12.2017
(54) ARRANGEMENT, MEANS OF	(31) 201810557905	(33) Japan
LOCOMOTION AND METHOD	(32) 01.06.2018	(51) B60N 2/28
FOR ASSISTING A USER IN THE	(33) China	B60N 2/90
OPERATION OF A TOUCH-SENSITIVE	(51) B60L 13/03	(11) EP3689672
DISPLAY DEVICE	B60L 15/20	(21) EP19154531.8
(73) Volkswagen Aktiengesellschaft	H02K 11/20	(47) 13.04.2022
(72) TRIKALIOTIS, Spiro	H02K 11/215	(22) 30.01.2019
WENGELNIK, Heino	H02K 41/03	(54) CHILD SAFETY ASSEMBLY
MEJIA GONZALEZ, Maria Esther	B60L 15/00	(73) Axkid AB
WOJZISCHKE, Christoph	H02K 41/035	(72) Lundgren, Daniel
HOYER, Hans Gerd	B65G 54/02	Röstedal, David Peter Amandus
(31) 102016202251	G05B 19/418	Thenander, Fritz Robert
(32) 15.02.2016	(11) EP3650972	(51) B60N 2/70
(33) Germany	(21) EP19208524.9	B29C 44/12
(51) B60L 1/00	(47) 13.04.2022	B60N 2/68
B60L 1/02	(22) 12.11.2019	A47C 7/20
B60L 1/14	(54) LINEAR MOTOR TRACK SYSTEM	(11) EP3501890
B60L 3/00	WITH AUTOMATIC GRAVITY	(21) EP17841466.0
B60L 15/20	DETECTION	(47) 13.04.2022
H01H 47/32	(73) Rockwell Automation Technologies, Inc.	(87) JP2017029159
B60L 3/12	(72) RAMANARAYANAN, Shankeramarayan	22.02.2018
H01M 10/42	COOPER, Mark R.	(22) 10.08.2017
H01M 10/48	DAS, Jadav	(54) VEHICULAR SEAT MEMBER AND
H01M 10/6551	OZIMEK, Patrick E.	METHOD FOR MANUFACTURING
B60L 50/16	VAN DORPE, David D.	SAME
B60L 50/51	(31) 201816186960	(73) Sekisui Plastics Co., Ltd.
B60L 50/61	(32) 12.11.2018	(72) NORO, Kenta
B60L 58/15	(33) United States of America	YAMASAKI, Yasuhiro
H01M 50/543	(51) B60L 15/42	SAKAKIBARA, Yushi
H01M 4/66	B61L 15/00	FUKUTA, Atsushi
H01R 12/71	(11) EP3489074	(31) 2016165049
H02H 7/18	(21) EP16910455.1	2016162035
H05K 1/02	(47) 13.04.2022	2016160230
(11) EP3042407	(87) JP2016071729	(32) 25.08.2016
(21) EP14766625.9	01.02.2018	22.08.2016
(47) 13.04.2022	(22) 25.07.2016	17.08.2016
(87) US2014054053	(54) A TRAIN COMMUNICATION SYSTEM	(33) Japan
12.03.2015	(73) Mitsubishi Electric Corporation	Japan
(22) 04.09.2014	(72) OHASHI, Satoru	Japan
(54) SYSTEM FOR ESTABLISHING	(51) B60L 53/16	(51) B60N 2/75
CONNECTIONS OF A BATTERY	B60L 53/18	G05G 1/08
MODULE	B60L 53/66	B60N 2/02
(73) CPS Technology Holdings LLC	(11) EP3744562	(11) EP3309007
(72) DEKEUSTER, Richard, M.	(21) EP19176829.0	(21) EP17196237.6
DINKELMAN, John, P.	(47) 13.04.2022	(47) 13.04.2022

(22) 12.10.2017	(54) DEVICE FOR SECURING A TIE DOWN	(22) 30.05.2016
(54) ADJUSTABLE ARMREST SYSTEMS AND METHODS FOR A MATERIAL HANDLING VEHICLE	(73) Societe d'Applications Electriques et Mecaniques SAPEM	(54) LIGHT GUIDANCE DEVICE FOR CREATING AT LEAST ONE ILLUMINATION FUNCTION AND/OR SIGNALING FUNCTION OF A HEAD LAMP OF A VEHICLE
(73) The Raymond Corporation	(72) ARCHER, Joël	(73) ZKW Group GmbH
(72) Richards, Curtis Donald	PINCONNEAU, Yoann	(72) Strohmüller, Alexander
Adelmann, Dan Philip	(31) 1760246	(31) 505592015
(31) 201662407834 P	(32) 30.10.2017	(32) 29.06.2015
(32) 13.10.2016	(33) France	(33) Austria
(33) United States of America	(51) B60Q 1/072	(51) B60Q 3/20
(51) B60N 2/821	(11) EP3647113	B60Q 3/80
B60N 2/829	(21) EP18203159.1	(11) EP2676842
B60N 2/853	(47) 13.04.2022	(21) EP13002724.6
B60N 2/865	(22) 29.10.2018	(47) 13.04.2022
(11) EP3371003	(54) LIGHTING DEVICE FOR VEHICLE WITH OPTICAL AXIS ADJUSTMENT	(22) 25.05.2013
(21) EP16791026.4	(73) Valeo Vision	(54) Colour adjustment of an RGB ambient lighting for a cup holder arrangement
(47) 13.04.2022	(72) BAKACHA, Malik	(73) AUDI AG
(87) EP2016076682	GEORGE, Pierrick	(72) Pfeil, Marcus
11.05.2017	HONNET, Nicolas	Mayer, Michael
(22) 04.11.2016	(51) B60Q 1/14	(31) 102012012268
(54) HEADREST WITH ADJUSTMENT DEVICE FOR ADJUSTING A HEADREST POSITION, WITH DIRECT DRIVE	G05G 5/05	(32) 20.06.2012
(73) Elektrosil GmbH	H01H 21/24	(33) Germany
(72) NIEMANN, Hendrik	H01H 21/50	(51) B60Q 3/64
(31) 202016101749 U	G05G 1/08	B60Q 3/217
202015105880 U	(11) EP3784526	B60Q 3/54
(32) 01.04.2016	(21) EP18728999.6	B60Q 3/78
04.11.2015	(47) 13.04.2022	(11) EP3514013
(33) Germany	(87) PL2018000041	(21) EP19152672.2
Germany	31.10.2019	(47) 13.04.2022
(51) B60P 1/44	(22) 24.04.2018	(22) 18.01.2019
B60P 3/14	(54) SELF-RETURNING ROTARY SWITCH ASSEMBLY, IN PARTICULAR OF A STEERING WHEEL COLUMN INTEGRATED MODULE OF AN AUTOMOTIVE VEHICLE	(54) SYSTEM FOR DECORATION INCLUDING A DEVICE FOR DECORATION SUCH AS A LIGHT DECORATION OR A TRIM, MOUNTED IN A SUPPORT STRUCTURE SUCH AS A COVERING ARRANGEMENT, IN PARTICULAR OF A MOTOR VEHICLE
B60C 25/05	(73) Merit Poland Spółka Z Ograniczona Odpowiedzialnoscia	(73) Eurostyle Systems Tech Center France
B60C 25/138	(72) SYREK, Wojciech	(72) CHAUSSET, François
(11) EP3750747	KWIECIEN, Leszek	FRAUDET, Sébastien
(21) EP18718496.5	(51) B60Q 1/32	(31) 1850455
(47) 13.04.2022	B60Q 1/30	(32) 19.01.2018
(87) ES2018070090	(11) EP2986470	(33) France
15.08.2019	(21) EP14727399.9	(51) B60Q 11/00
(22) 08.02.2018	(47) 13.04.2022	H05B 45/10
(54) VEHICLE-MOUNTED TIRE CHANGER	(87) EP2014001002	H05B 45/50
(73) Aguado Romero, José María	23.10.2014	H05B 45/397
(72) Aguado Romero, José María	(22) 15.04.2014	H05B 47/24
(51) B60P 7/08	(54) METHOD AND SYSTEM FOR INDEPENDENT MANAGEMENT OF THE LIGHTING AND/OR SIGNALLING OF VEHICLES	(11) EP3741622
(11) EP3770013	(73) Amabile, Domenico	(21) EP20184891.8
(21) EP20180518.1	(72) Amabile, Domenico	(47) 13.04.2022
(47) 13.04.2022	(31) MO20130101	(22) 27.09.2011
(22) 17.06.2020	(32) 18.04.2013	(54) AUTOMOBILE LED DRIVING DEVICE
(54) VEHICLE BODY WITH A DEVICE FOR SECURING LOADS	(33) Italy	(73) ROHM CO., LTD.
(73) Easy Lock GmbH	(51) B60Q 1/38	(72) Aoki, Akira
(72) Gebesmair, Manfred	F21V 8/00	Mijamoto, Koji
(31) 506782019	F21S 43/14	(31) 2010218618
(32) 25.07.2019	F21S 43/237	(32) 29.09.2010
(33) Austria	F21S 43/245	(33) Japan
(51) B60P 7/08	F21S 43/247	(51) B60R 1/06
F16B 35/06	F21S 43/20	(11) EP3487729
F16B 37/14	F21S 43/31	(21) EP17754814.6
F16B 45/00	F21S 43/40	(47) 13.04.2022
F16B 21/14	(11) EP3112216	(87) NL2017050485
(11) EP3710309	(21) EP16171995.0	25.01.2018
(21) EP18793258.7	(47) 13.04.2022	
(47) 13.04.2022		
(87) FR2018052468		
09.05.2019		
(22) 08.10.2018		

(22) 19.07.2017	(54) VEHICLE INTERIOR ASSEMBLY	(11) EP3778309
(54) MIRROR ADJUSTMENT ASSISTANCE	COMPRISING A SEAT BELT	(21) EP20165282.3
SYSTEM FOR TRUCKS	ASSEMBLY AND METHOD OF	(47) 13.04.2022
(73) DAF Trucks N.V.	ASSEMBLING A VEHICLE INTERIOR	(22) 24.03.2020
(72) VAN BERLO, Huub	ASSEMBLY	(54) AUTONOMOUS VEHICLE AND
VAN DER MEIJIS, Floris	(73) Toyota Motor Europe	SYSTEM FOR AUTONOMOUS
(31) 2017200	(72) COLAK, Isa	VEHICLE
(32) 20.07.2016	(51) B60R 13/10	(73) Apollo Intelligent Driving Technology
(33) Netherlands	(11) EP3800091	(Beijing) Co., Ltd.
(51) B60R 1/12	(21) EP20199954.7	(72) WANG, Chengfa
G06K 9/20	(47) 13.04.2022	JU, Lijun
G06K 9/46	(22) 02.10.2020	WANG, Junping
H04N 5/225	(54) NUMBER PLATE HOLDER	YANG, Fan
H04N 7/18	(73) E.CO. S.r.l.	(31) 201921323822 U
(11) EP3860881	(72) RETTAGLIATI, Daniele	201910753923
(21) EP18936138.9	(31) 201900018023	(32) 15.08.2019
(47) 13.04.2022	(32) 04.10.2019	15.08.2019
(87) US2018054226	(33) Italy	(33) China
09.04.2020	(51) B60R 16/02	China
(22) 28.12.2018	(11) EP3374233	(51) B60R 19/18
(54) REAR FACING LANE DETECTION	(21) EP15908438.3	(11) EP3793869
OVERLAY	(47) 13.04.2022	(21) EP19736576.0
(73) GENTEX CORPORATION	(87) US2015060156	(47) 13.04.2022
(72) TERHAAR, Micah W.	18.05.2017	(87) DE2019100595
RIEDER, Andre J.	(22) 11.11.2015	06.02.2020
(31) 201816150993	(54) DEVICE AND METHOD FOR	(22) 26.06.2019
(32) 03.10.2018	SECURING A WIRE ASSEMBLY	(54) BUMPER ARRANGEMENT FOR A
(33) United States of America	(73) Yazaki North America, Inc.	MOTOR VEHICLE
(51) B60R 5/00	(72) PANTINO, Jesus, Joel	(73) GEDIA Gebrüder Dingerkus GmbH
F16B 5/06	GRACIANO, Pilardo, De Las	(72) CLEMENS, Andre
F16B 5/12	(51) B60R 16/023	ROTTMANN, Ralf
F16B 7/04	G01M 17/00	(31) 102018118658
(11) EP3693222	G07C 5/00	(32) 01.08.2018
(21) EP20156468.9	G07C 5/08	(33) Germany
(47) 13.04.2022	(11) EP3481674	(51) B60R 21/02
(22) 10.02.2020	(21) EP17824833.2	(11) EP3737590
(54) LUGGAGE RACK INTENDED FOR	(47) 13.04.2022	(21) EP18839827.5
EQUIPPING A PASSENGER ROOM OF	(87) US2017040763	(47) 13.04.2022
A PUBLIC TRANSPORT VEHICLE	11.01.2018	(87) FR2018053251
(73) SNCF Voyageurs	(22) 05.07.2017	11.07.2019
ALSTOM Transport Technologies	(54) SYSTEMS AND METHODS FOR	(22) 13.12.2018
(72) TAVENEAU, Frédéric, Christian, Marc	CRASH DETERMINATION	(54) ARRANGEMENT OF A PARTITION
MUSSAUD, Régis	(73) Calamp Corp.	FOR AN INTERIOR LOADING
(31) 1901341	(72) CHEN, Gallin	SPACE OF A UTILITY VEHICLE, AND
(32) 11.02.2019	BYRNE, Peter	VEHICLE COMPRISING SUCH AN
(33) France	BAYLEY, Greg	ARRANGEMENT
(51) B60R 5/04	JENKINS, Jeff	(73) PSA Automobiles SA
(11) EP3807129	(31) 201615205385	(72) VAZQUEZ, Ruben
(21) EP19748707.7	(32) 08.07.2016	VIRY, Patrick
(47) 13.04.2022	(33) United States of America	(31) 1850133
(87) EP2019068405	(51) B60R 16/023	(32) 08.01.2018
13.02.2020	H02G 3/08	(33) France
(22) 09.07.2019	H02G 3/14	(51) B60R 21/2338
(54) LUGGAGE COMPARTMENT FOR A	H05K 7/02	B60N 2/42
VEHICLE	(11) EP3578420	B60R 21/207
(73) Siemens Mobility GmbH	(21) EP19177947.9	B60R 21/231
(72) ESCH, Christoph	(47) 13.04.2022	(11) EP3718834
(31) 102018213508	(22) 03.06.2019	(21) EP18884783.4
(32) 10.08.2018	(54) LOCK STRUCTURE, ELECTRIC	(47) 13.04.2022
(33) Germany	CONNECTION BOX AND WIRE	(87) JP2018040523
(51) B60R 13/02	HARNESS	06.06.2019
(11) EP3802226	(73) YAZAKI CORPORATION	(22) 31.10.2018
(21) EP18734087.2	(72) KAWAMURA, Yukihiro	(54) PASSENGER RESTRAINT DEVICE
(47) 13.04.2022	(31) 2018109344	(73) Autoliv Development AB
(87) EP2018064792	(32) 07.06.2018	(72) MATSUSHITA, Tetsuya
12.12.2019	(33) Japan	SAITO, Hiroyuki
(22) 05.06.2018	(51) B60R 16/03	(31) 2018135996
		2017229933

(32) 19.07.2018 30.11.2017	(11) EP3299230 (21) EP16796557.3	AUTOMATIC TRANSMISSION OF HEAVY TRUCK
(33) Japan Japan	(47) 13.04.2022 (87) JP2016064871	(73) Wabco (China) Co., Ltd. (72) TENG, Yutang
(51) B60S 1/08 G06K 9/62 G06T 7/40 G06K 9/00 G06K 9/03 G06T 7/00	24.11.2016 (22) 19.05.2016 (54) ELECTRIC BRAKE SYSTEM AND ELECTRIC BRAKE DEVICE	(31) 201611011110 (32) 17.11.2016 (33) China
(11) EP3802236 (21) EP19727837.7 (47) 13.04.2022	(73) NTN Corporation (72) MASUDA, Yui (31) 2015103491 (32) 21.05.2015 (33) Japan	(51) B60W 10/02 B60W 10/06 F16D 48/06 B60W 30/18
(87) EP2019061860 05.12.2019	(32) 21.05.2015 (33) Japan	(11) EP3386822 (21) EP16819987.5 (47) 13.04.2022
(22) 08.05.2019	(51) B60T 8/36 B60T 13/68	(87) FR2016053242 15.06.2017
(54) IMAGE INFORMATION EVALUATION METHOD, COMPUTER PROGRAM PRODUCT FOR IMAGE INFORMATION EVALUATION, IMAGE INFORMATION EVALUATION SYSTEM, AND VEHICLE, IN PARTICULAR FOR RAIL AND ROAD TRANSPORT	(11) EP3390177 (21) EP16798624.9 (47) 13.04.2022 (87) EP2016001840 22.06.2017 (22) 07.11.2016 (54) VALVE UNIT FOR MODULATING THE PRESSURE IN A PNEUMATIC BRAKE SYSTEM	(22) 07.12.2016 (54) METHOD FOR TARGET FOLLOWING (73) Valeo Embrayages (72) MAUREL, Pascal TACCOEN, Didier RANDRIAZANAMPARANY, Vévé Roland KRAEMER, Philippe
(73) Siemens Mobility GmbH (72) SCHÖNBERGER, Andreas (31) 102018208527 (32) 29.05.2018 (33) Germany	(73) ZF CV Systems Europe BV (72) WASSMANN, Alexander TEICHMANN, Andreas BIALON, Rafal	(31) 1561944 (32) 07.12.2015 (33) France
(51) B60S 1/48 B60S 1/08 (11) EP3747712 (21) EP19212736.3 (47) 13.04.2022 (22) 29.11.2019	(31) 102015016264 (32) 15.12.2015 (33) Germany	(51) B60W 10/06 B60W 10/184 B60W 30/02 B60W 50/00
(54) DYNAMIC CONTROL OF AIRCRAFT WINDSCREEN WIPER AND WASH SYSTEM CONFIGURATION PARAMETERS	(51) B60T 17/22 B60G 17/00 B60T 8/18 B60T 8/17 B60T 13/40 (11) EP3816002 (21) EP20204752.8 (47) 13.04.2022 (22) 29.10.2020	(11) EP3708450 (21) EP19162246.3 (47) 13.04.2022 (22) 12.03.2019
(73) ROSEMOUNT AEROSPACE INC. (72) GOPALAKRISHNA, Skanda BALASUBRAMANIAN, Rameshkumar MUTHULINGAM, Venkatesan	(54) DEVICE FOR PNEUMATIC SUPPLY OF A PNEUMATIC BRAKING SYSTEM, AND ASSOCIATED TRANSPORT VEHICLE	(54) METHOD AND SYSTEM FOR CONTROLLING THE PITCHING OF A MOTOR VEHICLE (73) C.R.F. Società Consortile per Azioni (72) GRILLO, Mr. Massimo IELUZZI, Mr. Michele GABIATI, Mr. Giovanni PARAVIZZINI, Mr. Pier Paolo RAFFONE, Enrico POERIO, Mr. Nicola
(31) 201911022700 (32) 07.06.2019 (33) India	(73) SpeedInnov (72) GUIGNER, Carl CHOPIN, Nicolas BRISOU, Florent SARTI, Christophe	(51) B60W 10/18 B60W 30/18 B60T 7/04 B60W 30/184
(51) B60S 5/06 B60K 1/04 (11) EP3543078 (21) EP17871600.7 (47) 13.04.2022	(31) 1912188 (32) 30.10.2019 (33) France	(11) EP3478547 (21) EP17727288.7 (47) 13.04.2022
(87) CN2017111994 24.05.2018	(51) B60W 10/02 B60W 10/06 B60W 10/10 B60W 30/18 B60W 30/186 B60W 50/14 F16D 48/06	(87) FR2017051111 11.01.2018 (22) 10.05.2017
(22) 21.11.2017 (54) LOCKING DEVICE, FIXED BASE AND ELECTRIC VEHICLE	(32) 30.10.2019 (33) France	(54) MOTOR VEHICLE PARKING BRAKE CONTROL DEVICE
(73) Shanghai Dianba New Energy Technology Co., Ltd. (72) ZHANG, Jianping (31) 201611041220 (32) 21.11.2016 (33) China	(51) B60W 10/02 B60W 10/06 B60W 10/10 B60W 30/18 B60W 30/186 B60W 50/14 F16D 48/06 (11) EP3543080 (21) EP17872404.3 (47) 13.04.2022	(73) Renault s.a.s (72) RIESENMEY, Fabrice (31) 1656369 (32) 04.07.2016 (33) France
(51) B60T 8/00 B60T 8/17 B60T 8/175 B60T 8/176 B60T 13/74 F16D 65/18 F16D 121/24	(87) CN2017111401 24.05.2018 (22) 16.11.2017 (54) TARGET CLUTCH TORQUE-BASED CREEP CONTROL SYSTEM FOR	(51) B60W 20/12 B60W 20/13 B60W 10/06 B60W 10/08 B60W 10/26 B60K 1/04 B60K 6/445

(11) EP3406498	(54) PERIPHERY RECOGNITION	(47) 13.04.2022
(21) EP18173970.7	APPARATUS AND PERIPHERY	(87) BY2018000020
(47) 13.04.2022	RECOGNITION METHOD	09.05.2019
(22) 24.05.2018	(73) DENSO CORPORATION	(22) 31.10.2018
(54) HYBRID VEHICLE	(72) HIRUMA, Keigo	(54) STRING TRACK STRUCTURE
(73) Toyota Jidosha Kabushiki Kaisha	(31) 2017234454	(73) Yunitski, Anatoli
(72) OGAWA, Yuki	(32) 06.12.2017	(72) Yunitski, Anatoli
(31) 2017104251	(33) Japan	(31) 201800011
(32) 26.05.2017	(51) B60W 50/08	(32) 31.10.2017
(33) Japan	B60W 40/09	(33) Eurasian Patent Organization
(51) B60W 30/095	B60W 50/00	(51) B61B 1/00
B60T 7/12	B60W 50/14	B61B 13/10
B60W 40/109	(11) EP3536576	B61B 13/08
B62D 6/00	(21) EP18160709.4	B60L 13/00
G08G 1/16	(47) 13.04.2022	B60L 13/10
B62D 101/00	(22) 08.03.2018	E01B 25/30
B62D 103/00	(54) METHOD AND DEVICE FOR	B61B 1/02
B62D 111/00	CONTROLLING DYNAMIC BEHAVIOUR	B61L 25/02
B62D 137/00	OF A VEHICLE, CORRESPONDING	(11) EP3458328
B60T 8/1755	COMPUTER PROGRAM PRODUCT	(21) EP17800259.8
(11) EP3372464	AND VEHICLE	(47) 13.04.2022
(21) EP16861862.7	(73) FCA Italy S.p.A.	(87) US2017033589
(47) 13.04.2022	(72) SILVA, Elisabetta	23.11.2017
(87) JP2016078919	TABURRI, Massimiliano	(22) 19.05.2017
11.05.2017	EPIFANI, Antonio	(54) STATION WITH LOOP
(22) 29.09.2016	FIGURETTI, Alessio	CONFIGURATION FOR HYPERLOOP
(54) VEHICLE TRAVEL ASSIST DEVICE	ROMERI, Stefano	TRANSPORTATION SYSTEM
(73) ADVICS CO., LTD.	PINI, Alessandro	(73) Hyperloop Transportation Technologies,
(72) SHIOTA, Masaki	(51) B60W 50/14	Inc.
OHMORI, Yosuke	(11) EP3554911	(72) ZHOU, Yayun
YAMADA, Yosuke	(21) EP17825565.9	(31) 201662339069 P
MORI, Yukio	(47) 13.04.2022	(32) 19.05.2016
(31) 2015218705	(87) FR2017053493	(33) United States of America
(32) 06.11.2015	21.06.2018	(51) B61C 17/00
(33) Japan	(22) 11.12.2017	B61D 17/12
(51) B60W 30/10	(54) DEVICE FOR ASSISTING A DRIVER OF	(11) EP3433153
B60W 30/18	A VEHICLE TO PERFORM PHYSICAL	(21) EP17721092.9
B60W 50/14	EXERCISES	(47) 13.04.2022
G08G 1/16	(73) PSA Automobiles SA	(87) EP2017060042
B60W 50/00	(72) DIAZ, Emmanuelle	16.11.2017
(11) EP3756964	CHEROT, Thierry	(22) 27.04.2017
(21) EP18906924.8	SCHNEIDER, Stephanie	(54) RAILROAD CAR
(47) 13.04.2022	CREHAN, Gabriel	(73) Siemens Mobility GmbH
(87) IB2018000277	(31) 1662563	(72) HANNEMANN, Torsten
29.08.2019	(32) 15.12.2016	BELZER, Reinhold
(22) 20.02.2018	(33) France	VAN EYMEREN, Stephanie
(54) AUTOMATED LANE CHANGE	(51) B60W 60/00	WOLF, Günter
CONTROL METHOD AND AUTOMATED	B60W 50/00	(31) 102016208272
LANE CHANGE CONTROL DEVICE	B60W 30/12	(32) 13.05.2016
(73) Renault s.a.s	B62D 15/02	(33) Germany
Nissan Motor Co., Ltd.	B62D 6/00	(51) B61D 17/12
(72) TANIGUCHI, Yohei	G08G 1/16	B61D 27/00
ISHIMARU, Shuko	(11) EP3778327	(11) EP3589523
ITO, Atsushi	(21) EP18911522.3	(21) EP18720181.9
SHINO, Tatsuya	(47) 13.04.2022	(47) 13.04.2022
(51) B60W 50/02	(87) JP2018012413	(87) EP2018059852
B60W 50/035	03.10.2019	01.11.2018
B60W 50/029	(22) 27.03.2018	(22) 18.04.2018
B60W 30/095	(54) METHOD AND DEVICE FOR	(54) SECURING DEVICE FOR A RAIL
B60W 30/14	CONTROLLING AUTONOMOUS	VEHICLE
B60W 40/04	DRIVING VEHICLE	(73) Siemens Mobility GmbH
B60W 30/18	(73) NISSAN MOTOR CO., LTD.	(72) TOKMAN, Iossif
(11) EP3722175	(72) HIRANO, Tomohisa	BIERKE, Andreas
(21) EP18886319.5	(51) B61B 1/00	(31) 102017207209
(47) 13.04.2022	B61B 3/02	(32) 28.04.2017
(87) JP2018044779	B61B 5/00	(33) Germany
13.06.2019	(11) EP3702231	(51) B61D 23/02
(22) 05.12.2018	(21) EP18873794.4	(11) EP3674168

(21) EP19215473.0	Boschulte, Rainer	B62D 5/04
(47) 13.04.2022	Kaste, Ulrich	(11) EP3763603
(22) 12.12.2019	Stutzbach, Joachim	(21) EP18908429.6
(54) SELF-LOCKING DEVICE FOR MOVING A STEP OF A TRANSPORT VEHICLE, STEP AND VEHICLE EQUIPPED IN THIS WAY	(31) 102011075570	(47) 13.04.2022
(73) Faiveley Transport Tours	(32) 10.05.2011	(87) JP2018008437
(72) DUBREUIL, Romain	(33) Germany	12.09.2019
(31) 1873126	(51) B61L 27/00	(22) 06.03.2018
(32) 18.12.2018	B61L 15/00	(54) VEHICLE STEERING CONTROL METHOD AND VEHICLE STEERING CONTROL DEVICE
(33) France	B61L 25/02	(73) NISSAN MOTOR CO., LTD.
(51) B61D 27/00	B61L 23/08	(72) KAMEMURA, Takafumi
B61D 17/18	H04W 4/12	(51) B62D 21/14
B61D 1/06	(11) EP3317158	B61D 17/04
(11) EP3808628	(21) EP16818705.2	B62D 25/00
(21) EP20201457.7	(47) 13.04.2022	(11) EP3650319
(47) 13.04.2022	(87) US2016040133	(21) EP19208184.2
(22) 13.10.2020	05.01.2017	(47) 13.04.2022
(54) VEHICLE, IN PARTICULAR A RAILWAY VEHICLE, COMPRISING A TRIM MEMBER FOR AIR DEFLECTOR	(22) 29.06.2016	(22) 08.11.2019
(73) SpeedInnov	(54) MONITORING AND CONTROLLING OF DISTRIBUTED MACHINES	(54) BODYWORK STRUCTURE ALLOWING THE PASSAGE OF FLUID OR PRESSURISED GAS AND ASSOCIATED BODY
(72) LOUMEAUD, Arnaud	(73) Cattion North America, Inc.	(73) ALSTOM Transport Technologies
LANOE, Stéphane	(72) FERENCZ, JR., Donald Cyril	(72) LANGLOIS, Francis
(31) 1911397	CONRAD, Justin Wesley	(31) 1860430
(32) 14.10.2019	HOSTELLEY, Kevin David	(32) 12.11.2018
(33) France	(31) 201562187007 P	(33) France
(51) B61F 5/38	(32) 30.06.2015	(51) B62D 25/04
(11) EP3381761	(33) United States of America	B62D 29/00
(21) EP18157563.0	(51) B62B 3/00	(11) EP3575189
(47) 13.04.2022	B60B 33/04	(21) EP19176432.3
(22) 20.02.2018	B62B 3/06	(47) 13.04.2022
(54) ACTUATOR FOR CONTROLLING A WHEELSET OF A RAIL VEHICLE	B66F 9/075	(22) 24.05.2019
(73) Liebherr-Transportation Systems GmbH & Co. KG	(11) EP3459814	(54) B-PILLAR FOR THE BODY OF A MOTOR VEHICLE AND VEHICLE BODY COMPRISING SUCH A B-PILLAR
(72) Schneider, Richard	(21) EP17192889.8	(73) Muhr und Bender KG
(31) 102017002926	(47) 13.04.2022	(72) SPIELVOGEL, Bernhard
(32) 27.03.2017	(22) 25.09.2017	STEFFENS, Hubertus
(33) Germany	(54) STABILIZING SUPPORT WHEEL DEVICE AND AN INDUSTRIAL TRUCK WITH SUCH A SUPPORT WHEEL DEVICE	(31) 102018113141
(51) B61F 15/20	(73) Mitsubishi Logisnext Europe AB	(32) 01.06.2018
(11) EP3025925	(72) Johansson, Daniel	(33) Germany
(21) EP15189656.0	(51) B62B 3/06	(51) B62D 25/10
(47) 13.04.2022	(11) EP3156304	B62D 25/12
(22) 13.10.2015	(21) EP16193876.6	B60K 13/04
(54) SENSORIZED AXLEBOX-BEARING UNIT FOR SUPPORTING A RAILWAY AXLE AND ASSOCIATED SENSOR UNITS	(47) 13.04.2022	B60K 13/00
(73) Aktiebolaget SKF	(22) 14.10.2016	B60K 5/00
(72) SEMA, Silvano	(54) INDUSTRIAL TRUCK LED BY A DRAWBAR	B62D 21/18
ROSSI, Mario	(73) Jungheinrich Aktiengesellschaft	E02F 9/08
(31) TO20140992	(72) Mittag, Stefan	F01N 13/18
(32) 28.11.2014	Kral, Marko	B62D 25/08
(33) Italy	(31) 102015117675	(11) EP3590793
(51) B61L 3/12	(32) 16.10.2015	(21) EP19179720.8
B61L 27/00	(33) Germany	(47) 13.04.2022
B61L 7/06	(51) B62B 3/14	(22) 12.06.2019
(11) EP3309040	B62B 5/00	(54) ENGINE COVER AND WORK VEHICLE
(21) EP17001935.0	(11) EP3446946	(73) Kubota Corporation
(47) 13.04.2022	(21) EP17187786.3	(72) MIYASAKA, Takahiro
(22) 02.05.2012	(47) 13.04.2022	KASHIWASE, Koji
(54) SAFETY ASSEMBLY FOR RAILWAY TRANSPORT	(22) 24.08.2017	ARATAKE, Seigi
(73) Siemens Mobility GmbH	(54) SHOPPING TROLLEY	KITAGAWA, Kozo
(72) Kirchner, Werner	(73) Streicher, Mathias	(31) 2019012228
	Kador, Utz	2018176491
	(72) Streicher, Mathias	2018121686
	Kador, Utz	(32) 28.01.2019
	(51) B62D 6/00	20.09.2018
	B62D 117/00	27.06.2018
	B62D 119/00	

(33) Japan	(33) Sweden	B63B 27/10
Japan	(51) B62D 59/02	B63B 27/30
Japan	F16H 61/4078	B66C 1/10
(51) B62D 33/06	(11) EP3532366	B66C 1/12
B62D 33/067	(21) EP17791051.0	B66C 23/53
(11) EP3797062	(47) 13.04.2022	B63B 35/00
(21) EP19722812.5	(87) EP2017077178	(11) EP3820770
(47) 13.04.2022	03.05.2018	(21) EP19736715.4
(87) EP2019060843	(22) 24.10.2017	(47) 13.04.2022
28.11.2019	(54) SYSTEM FOR ASSISTING THE	(87) EP2019068166
(22) 29.04.2019	DRIVING OF A VEHICLE COMPRISING	16.01.2020
(54) DRIVER'S CAB STABILISER	AN OPEN HYDRAULIC CIRCUIT	(22) 05.07.2019
(73) ZF Friedrichshafen AG	(73) Poclain Hydraulics Industrie	(54) DEVICE AND METHOD FOR LIFTING
(72) LÖSCHE, Christian	(72) ERZNOZNIK, Matej	AN OBJECT FROM A DECK OF A
RATERMANN, Wolfgang	(31) 1660330	VESSEL SUBJECT TO MOVEMENTS
WANG, Xiaocen	(32) 25.10.2016	(73) DEME Offshore BE N.V.
(31) 102018208092	(33) France	(72) RABAUT, Dieter Wim Jan
(32) 23.05.2018	(51) B62J 45/411	VAN LOON, Jeroen
(33) Germany	B62J 45/421	(31) 201816031362
(51) B62D 35/00	B62M 3/00	(32) 10.07.2018
B62D 29/00	B62M 6/50	(33) United States of America
G02B 5/28	B62M 1/36	(51) B63B 22/02
C09D 5/33	(11) EP3865384	B63B 22/18
(11) EP3670303	(21) EP20212666.0	B63B 22/20
(21) EP17921700.5	(47) 13.04.2022	(11) EP3707066
(47) 13.04.2022	(22) 09.12.2020	(21) EP18814685.6
(87) JP2017029282	(54) BICYCLE AXLE ASSEMBLY	(47) 13.04.2022
21.02.2019	INCLUDING A POWER METER	(87) IB2018058746
(22) 14.08.2017	(73) SRAM, LLC	16.05.2019
(54) MOBILE BODY HAVING REFLECTION	(72) Nichols, Geoff	(22) 07.11.2018
CONTROL LAYER	(31) 201916708360	(54) MOORING BUOY
(73) Nissan Motor Co., Ltd.	(32) 09.12.2019	(73) BETTY BUOYS S.r.l.
(72) SATO, Yuichi	(33) United States of America	(72) PLATÈ, Bonfiglio
(51) B62D 55/065	(51) B62L 1/00	ROVERE, Luca Francesco Maria
B62D 55/084	B62L 1/10	SALTARELLI, Paolo
(11) EP3601023	B62L 3/02	(31) 201700127446
(21) EP18717698.7	F16D 65/00	(32) 08.11.2017
(47) 13.04.2022	F16D 49/00	(33) Italy
(87) IB2018051899	F16D 121/04	(51) B63B 25/16
27.09.2018	B62J 11/13	F17C 13/08
(22) 21.03.2018	(11) EP3408166	(11) EP3366568
(54) HIGH MOBILITY ALL-TERRAIN-	(21) EP17702094.8	(21) EP16857509.0
VEHICLE (ATV), FOR EXAMPLE FOR	(47) 13.04.2022	(47) 13.04.2022
EMERGENCY AND RESCUE CIVIL	(87) EP2017051948	(87) JP2016081095
ACTIVITIES OR FOR ACTIVITIES IN	03.08.2017	27.04.2017
THE AGRICULTURAL FIELD OR FOR	(22) 30.01.2017	(22) 20.10.2016
EARTH-MOVING ACTIVITIES	(54) HYDRAULIC RIM BRAKE WITH A	(54) DOUBLE-SHELL SHIP TANK AND SHIP
(73) Zona Engineering&design Sas Di Zona	RECEIVING FITTING	(73) Kawasaki Jukogyo Kabushiki Kaisha
Mauro&C.	(73) Gustav Magenwirth GmbH & Co. KG	(72) MURAGISHI, Osamu
(72) ZONA, Mauro	(72) HUIER, Joachim	URAGUCHI, Ryosuke
(31) 201700032682	(31) 102016201424	SANO, Atsushi
(32) 24.03.2017	(32) 29.01.2016	EGUCHI, Yuzou
(33) Italy	(33) Germany	IMAI, Tatsuya
(51) B62D 55/108	(51) B62M 6/45	UEDA, Yuichiro
B60G 11/08	B62M 6/50	(31) 2015206223
(11) EP3595962	(11) EP3782894	(32) 20.10.2015
(21) EP18766663.1	(21) EP19192562.7	(33) Japan
(47) 13.04.2022	(47) 13.04.2022	(51) B63G 8/00
(87) SE2018050179	(22) 20.08.2019	B63B 35/00
20.09.2018	(54) PEDELEC PELETON CONTROL	(11) EP3792172
(22) 26.02.2018	(73) Amprio GmbH	(21) EP20181893.7
(54) TRACKED VEHICLE	(72) GREVEN, Dietmar	(47) 13.04.2022
(73) BAE Systems Hägglunds Aktiebolag	MISGELD, Berno Johannes Engelbert	(22) 24.06.2020
(72) LJUNG, Jonny	(51) B63B 17/00	(54) SYSTEMS AND METHODS FOR
SANDIN, Anders	B63B 25/28	SEMI-SUBMERSIBLE LAUNCH AND
WIBERG, Ulf	B66C 23/18	RECOVERY OF OBJECTS FROM
(31) 1750316	B66C 23/52	MULTI-MODE UNMANNED VEHICLE
(32) 16.03.2017		(73) Unmanned Innovations, Inc.

(72) HANSON, Thomas Edward HANSON, Bruce Becker (31) 201916449824 (32) 24.06.2019 (33) United States of America	(33) Germany (51) B64C 39/02 B64C 3/18 B64C 39/10 B64D 27/24 B64C 23/06 (11) EP3524520 (21) EP19159511.5 (47) 13.04.2022 (22) 06.05.2015 (54) SOLAR POWERED AIRPLANE (73) The Boeing Company (72) Rawdon, Blaine Knight Kutzmann, Aaron J. (31) 201414283149 (32) 20.05.2014 (33) United States of America	(21) EP20211003.7 (47) 13.04.2022 (22) 30.04.2020 (54) A LIFE RAFT SYSTEM FOR AN AIRCRAFT (73) AIRBUS HELICOPTERS DEUTSCHLAND GmbH (72) HARMS, Stefan
(51) B64C 11/02 F02C 7/32 H02K 7/18 (11) EP3735379 (21) EP18711391.5 (47) 13.04.2022 (87) FR2018050468 06.09.2019 (22) 28.02.2018 (54) TURBOPROP WITH AN INTEGRATED ELECTRIC GENERATOR (73) Safran Helicopter Engines (72) KLONOWSKI, Thomas CAZAUX, David LAFARGUE, Olivier	(51) B64C 39/02 H02J 7/00 (11) EP3689742 (21) EP20165907.5 (47) 13.04.2022 (22) 31.07.2014 (54) UNMANNED AERIAL VEHICLE BASE STATION SYSTEM AND METHOD (73) SZ DJI Technology Co., Ltd. (72) LIN, Yuan LI, Hongju WANG, Mingxi	(51) B64D 27/24 H02K 7/14 H02K 21/14 B64C 7/02 B64C 11/00 H02K 7/18 (11) EP3670349 (21) EP19215428.4 (47) 13.04.2022 (22) 11.12.2019 (54) MOTOR DRIVEN PROPULSOR OF AN AIRCRAFT (73) General Electric Company (72) JOSHI, Narendra Digamber WEEBER, Konrad IDELCHIK, Michael Solomon (31) 201816229125 (32) 21.12.2018 (33) United States of America
(51) B64C 11/30 B64D 45/02 (11) EP3597532 (21) EP19186592.2 (47) 13.04.2022 (22) 16.07.2019 (54) PROPELLER BLADE ANGLE FEEDBACK ARRANGEMENT AND METHOD (73) Pratt & Whitney Canada Corp. (72) YAKOBOV, Ella LAVOIE, Marc BASSE, Olivier DOBSON, Martin FARRELL, Ian MARONE, Joseph Ernesto (31) 201816036930 (32) 16.07.2018 (33) United States of America	(51) B64D 11/00 (11) EP3741675 (21) EP20175913.1 (47) 13.04.2022 (22) 21.05.2020 (54) AIRCRAFT WITH CREW QUARTERS (73) Bombardier Inc. (72) Banerjee, Siddhartho Konstantin Ferneley, John Galin, Alexandre Ahn, Thomas (31) 201962949674 P 201962850632 P (32) 18.12.2019 21.05.2019 (33) United States of America United States of America	(51) B64D 29/06 B64D 29/00 B64C 7/02 B64D 29/02 F03D 7/02 F03D 1/06 F42B 10/38 F42B 10/44 (11) EP3736209 (21) EP20171713.9 (47) 13.04.2022 (22) 22.08.2018 (54) BASELESS VORTEX GENERATOR (73) Rohr, Inc. (72) PAOLINI, Thomas HEDGES, Nicholas (31) 201715682910 (32) 22.08.2017 (33) United States of America
(51) B64C 13/50 B64C 13/42 B64C 9/18 (11) EP3620374 (21) EP19193891.9 (47) 13.04.2022 (22) 27.08.2019 (54) DISTRIBUTED TRAILING EDGE WING FLAP SYSTEMS (73) The Boeing Company (72) Huynh, Neal V. (31) 201816122519 (32) 05.09.2018 (33) United States of America	(51) B64D 17/34 B64D 17/26 B64D 17/02 (11) EP3423355 (21) EP17760534.2 (47) 13.04.2022 (87) US2017019627 08.09.2017 (22) 27.02.2017 (54) GLIDE MODULATOR SYSTEM AND METHOD FOR A RAM AIR PARACHUTE (73) Airborne Systems NA Inc. (72) BERLAND, Jean C. (31) 201615061804 (32) 04.03.2016 (33) United States of America	(51) B64D 31/00 (11) EP3812279 (21) EP20213825.1 (47) 13.04.2022 (22) 29.02.2016 (54) METHOD FOR PROCESSING A THROTTLE CONTROL SIGNAL AND ELECTRONIC SPEED CONTROL (73) SZ DJI Technology Co., Ltd. (72) LIU, Wanqi LAN, Qiu ZHOU, Changxing
(51) B64C 25/10 (11) EP3328730 (21) EP16735821.7 (47) 13.04.2022 (87) EP2016001130 02.02.2017 (22) 01.07.2016 (54) STRUT FOR THE LANDING GEAR OF AN AIRCRAFT (73) Liebherr-Aerospace Lindenberg GmbH (72) STRAUB, Anton MEYER, Jörg VERGOUWEN, Peet (31) 202015005362 U (32) 29.07.2015	(51) B64D 25/16 B63C 9/22 B64C 27/04 (11) EP3907135	(51) B64D 37/32 (11) EP3441311 (21) EP17185619.8 (47) 13.04.2022 (22) 09.08.2017 (54) FUEL TANK INERTING SYSTEM (73) HS Marston Aerospace Limited (72) POLLARD, Berwyn Owain PHILIPS, Paul

(51) B64D 41/00	ZHOU, Li	(32) 08.04.2020
F15B 15/26	(31) 201310109706	(33) European Patent Office (EPO)
(11) EP3184437	201310109707	(51) B65B 11/52
(21) EP15461586.8	201310109693	B65B 11/50
(47) 13.04.2022	201310109643	B65B 9/04
(22) 22.12.2015	201310109629	B65B 31/02
(54) UNLOCKING MECHANISM FOR A RAM	(32) 31.03.2013	B65B 55/16
AIR TURBINE ACTUATOR	31.03.2013	B65B 25/14
(73) Hamilton Sundstrand Corporation	31.03.2013	(11) EP3541705
(72) Luczynski, Maciej	31.03.2013	(21) EP17809410.8
Sobieszek, Maciej	31.03.2013	(47) 13.04.2022
(51) B64D 45/00	(33) China	(87) US2017061231
(11) EP3521176	China	24.05.2018
(21) EP17855239.4	China	(22) 13.11.2017
(47) 13.04.2022	China	(54) FILM TO FILM PACKAGING SOLUTION
(87) JP2017016840	China	FOR STERILIZED POLYOLEFIN-BASED
05.04.2018	(51) B64F 5/40	NONWOVEN FABRIC PRODUCTS
(22) 27.04.2017	F01M 11/04	(73) O&M Halyard, Inc.
(54) FLIGHT RESTRICTION SETTING	(11) EP3810510	(72) ELLSWOOD, Mark R.
SYSTEM, FLIGHT RESTRICTION	(21) EP19742865.9	BLUM, Stefan L.
SETTING METHOD, AND FLIGHT	(47) 13.04.2022	SMITH, Aaron D.
RESTRICTION SETTING PROGRAM	(87) FR2019051447	FANTUZ, Jacob J.
(73) Subaru Corporation	19.12.2019	SCHORR, Phillip, A.
(72) YOSHIMURA, Kensuke	(22) 14.06.2019	MANNION, Gavin H.
(31) 2016190374	(54) ON-BOARD AIRCRAFT ENGINE	(31) 201662422806 P
(32) 28.09.2016	DRAINING TANK	(32) 16.11.2016
(33) Japan	(73) SAFRAN AIRCRAFT ENGINES	(33) United States of America
(51) B64D 45/04	(72) GARNIER, Almeric Pierre Louis	(51) B65B 19/10
B64C 25/56	COUPARD, Josselin Xavier	B65B 19/28
B64D 25/00	(31) 1855221	B65B 57/14
(11) EP3741683	(32) 14.06.2018	A24C 5/35
(21) EP20183652.5	(33) France	B65G 47/51
(47) 13.04.2022	(51) B64F 5/50	A24C 5/32
(22) 27.02.2014	B64F 5/10	B65B 19/04
(54) IMPACT PROTECTION APPARATUS	B66C 23/72	(11) EP3630621
(73) SZ DJI Technology Co., Ltd.	B66C 23/78	(21) EP18731186.5
(72) WANG, Mingyu	(11) EP3814232	(47) 13.04.2022
(51) B64D 47/04	(21) EP19724464.3	(87) IB2018053652
B64D 47/06	(47) 13.04.2022	29.11.2018
(11) EP3403935	(87) EP2019062349	(22) 23.05.2018
(21) EP17171921.4	02.01.2020	(54) A PACKER MACHINE FOR
(47) 13.04.2022	(22) 14.05.2019	CYLINDRICAL SMOKING ARTICLES
(22) 19.05.2017	(54) DEVICE FOR THE INSTALLATION	AND PROVIDED WITH AN HOPPER
(54) COMBINED AIRCRAFT WING SCAN	AND DISMOUNTING OF AIRCRAFT	(73) G.D Società per Azioni
AND RUNWAY TURN-OFF LIGHT UNIT	LANDING GEAR	(72) FEDERICI, Luca
AND AIRCRAFT COMPRISING THE	(73) HYDRO Holding KG	FORTINI, Massimo
SAME	(72) OCKENFUSS, Ulrich	VILLA, Stefano
(73) Goodrich Lighting Systems GmbH	JANSEN, Dirk	(31) 201700055502
(72) JHA, Anil Kumar	(31) 102018115455	(32) 23.05.2017
HESSLING-von HEIMENDAHL, Andre	(32) 27.06.2018	(33) Italy
(51) B64D 47/08	(33) Germany	(51) B65B 31/00
G03B 15/00	(51) B65B 7/16	G01M 3/22
G03B 17/56	B65B 9/04	G01M 3/32
F16M 11/10	B65B 11/52	G01M 3/40
F16M 11/18	B65B 31/02	G01N 21/77
F16M 11/20	B65B 31/04	G01N 21/90
F16M 11/42	B65B 53/02	B65B 25/00
B64C 39/02	(11) EP3892551	B65B 9/04
(11) EP3543146	(21) EP21382214.1	B65B 31/02
(21) EP19167242.7	(47) 13.04.2022	(11) EP3405398
(47) 13.04.2022	(22) 17.03.2021	(21) EP17700572.5
(22) 19.03.2014	(54) PRODUCT PACKAGING METHOD AND	(47) 13.04.2022
(54) PAYLOAD MOUNTING PLATFORM	MACHINE	(87) EP2017051066
(73) SZ DJI Technology Co., Ltd.	(73) ULMA Packaging Technological Centre,	27.07.2017
(72) ZHAO, Xi feng	S. COOP	(22) 19.01.2017
WANG, Tao	(72) ARREGI ARAMBARRI, Nicolás	(54) METHOD OF TESTING THE
WANG, Yong	ARBULU ORMAECHEA, Nerea	TIGHTNESS OF A COMPLETED
ZHAO, Tao	(31) 20382285	PACKAGE

(73) GEA Food Solutions Germany GmbH	(72) LEGNANI, Mirco	(47) 13.04.2022
(72) STEFFEN, Andreas	MILANDRI, Francesco	(87) IB2019050892
MÜLLER, Sven	RENCO, Francesco	15.08.2019
(31) 102016213010	LANZARINI, Luca	(22) 05.02.2019
102016213009	(31) 201900021405	(54) WORKING LINE FOR FLUIDIC
102016212574	(32) 18.11.2019	PRODUCTS CONTAINED IN PRE-
102016209207	(33) Italy	DOSED CONTAINERS
102016208441	(51) B65B 41/12	(73) Dromont S.p.A.
102016204085	B65B 9/08	(72) DROCCO, Mario
102016203876	B65H 21/02	DROCCO, Luca
102016200749	B65H 26/06	(31) 201800002455
16175264	(11) EP3272662	(32) 07.02.2018
(32) 15.07.2016	(21) EP16764531.6	(33) Italy
15.07.2016	(47) 13.04.2022	(51) B65C 9/18
11.07.2016	(87) JP2016052193	B65C 9/28
27.05.2016	22.09.2016	(11) EP3288836
17.05.2016	(22) 26.01.2016	(21) EP16707101.8
11.03.2016	(54) BAG MANUFACTURING AND PACKING	(47) 13.04.2022
09.03.2016	MACHINE	(87) EP2016054221
20.01.2016	(73) Ishida Co., Ltd.	03.11.2016
20.06.2016	(72) ICHIKAWA, Makoto	(22) 29.02.2016
(33) Germany	HASHIMOTO, Satoshi	(54) APPARATUS AND METHOD FOR
Germany	(31) 2015056139	LABELLING INDIVIDUAL PRODUCTS
Germany	(32) 19.03.2015	(73) Espera-Werke GmbH
Germany	(33) Japan	(72) VICKTORIUS, Winfried
Germany	(51) B65B 43/26	WOLFF, Peter
Germany	B65B 69/00	JUNG, Ulrich
Germany	(11) EP3744648	(31) 102015106647
Germany	(21) EP20169906.3	(32) 29.04.2015
European Patent Office (EPO)	(47) 13.04.2022	(33) Germany
(51) B65B 35/10	(22) 16.04.2020	(51) B65C 9/26
B65B 61/00	(54) DEVICE FOR FOLDING A	B65C 9/36
B65G 15/42	COLLAPSIBLE CRATE	B65C 1/02
B65G 15/44	(73) Nissan Motor Manufacturing (UK) Ltd	B65G 47/91
B65G 47/31	(72) SLOAN, Daniel	B21D 43/28
(11) EP3805111	(31) 201906774	B21D 43/18
(21) EP20199223.7	(32) 14.05.2019	B21D 43/11
(47) 13.04.2022	(33) United Kingdom	B21D 43/10
(22) 30.09.2020	(51) B65B 43/60	(11) EP3708508
(54) FEEDING UNIT FOR FEEDING SEALED	(11) EP3833604	(21) EP18875194.5
SEMI-FINISHED PACKS CONTAINING	(21) EP19769584.4	(47) 13.04.2022
A POURABLE PRODUCT TO A	(47) 13.04.2022	(87) JP2018041439
FOLDING UNIT	(87) IB2019056772	16.05.2019
(73) Tetra Laval Holdings & Finance S.A.	13.02.2020	(22) 08.11.2018
(72) BERSELLI, Enrico	(22) 08.08.2019	(54) PRODUCT TRANSFER DEVICE AND
BORASI, Gabriele	(54) MANUFACTURING MACHINE FOR	PRODUCT TRANSFER SYSTEM
MATTIOLI, Giorgio	THE PRODUCTION OF DISPOSABLE	(73) AMADA CO., LTD.
(31) 19201610	CARTRIDGES FOR ELECTRONIC	(72) FUKUSHIGE Hideto
(32) 07.10.2019	CIGARETTES	HIRONO Jun
(33) European Patent Office (EPO)	(73) G.D Società per Azioni	ABE Kuniaki
(51) B65B 35/36	(72) LANZARINI, Luca	TSUDA Koji
A24F 40/70	GROSSO, Daniele	KITANO Ryoma
B25J 9/00	SERAFINI, Stefano	(31) 2018204607
B25J 15/00	DONDINI, Andrea	2017215467
B65B 35/38	MILANDRI, Francesco	(32) 31.10.2018
B65B 35/44	MEDINA, Enrico	08.11.2017
B65B 61/28	FEDERICI, Luca	(33) Japan
B65G 47/90	(31) 201900009288	Japan
B65G 47/91	201800007950	(51) B65D 1/02
(11) EP3822181	(32) 18.06.2019	B65D 83/00
(21) EP20208468.7	08.08.2018	(11) EP3674224
(47) 13.04.2022	(33) Italy	(21) EP18847821.8
(22) 18.11.2020	Italy	(47) 13.04.2022
(54) MANUFACTURING MACHINE AND	(51) B65B 69/00	(87) JP2018030404
MANUFACTURING METHOD FOR	B65B 3/00	28.02.2019
THE PRODUCTION OF DISPOSABLE	B65B 7/28	(22) 16.08.2018
CARTRIDGES	(11) EP3749583	
(73) G.D SOCIETA' PER AZIONI	(21) EP19708357.9	

(54) MULTILAYER CONTAINER AND METHOD FOR INSPECTING AIR LEAKS IN MULTILAYER CONTAINER	(21) EP18722323.5 (47) 13.04.2022 (87) US2018027595 25.10.2018	(54) FLUID MEDIUM DISPENSING SYSTEM AND A METHOD OF ASSEMBLING A DISPENSING SYSTEM FOR A FLUID MEDIUM
(73) Kyoraku Co., Ltd.	(22) 13.04.2018	(73) Coster Technologie Speciali S.p.A.
(72) TARUNO, Shinsuke	(54) CARGO PALLET HAVING A PALLET EXTENSION	(72) GEIER, Adalberto
(31) 2017158874	(73) Federal Express Corporation	(51) B65D 85/804
(32) 21.08.2017	(72) LEE, David M.	(11) EP3823915
(33) Japan	LEROSE, Frank J.	(21) EP19769884.8
(51) B65D 5/18	(31) 201715493707	(47) 13.04.2022
B65D 5/20	(32) 21.04.2017	(87) IB2019056192 23.01.2020
B64C 39/02	(33) United States of America	(22) 19.07.2019
B64D 1/08	(51) B65D 33/00	(54) CAPSULE FOR MAKING A BEVERAGE
B65D 5/24	B65D 33/16	(73) Caffitaly System S.P.A.
B65D 5/42	(11) EP3630635	(72) CASTELLI, Cristiano
B65D 5/468	(21) EP18733046.9	TONELLI, Stefano
B65D 81/00	(47) 13.04.2022	(31) 201800007403
(11) EP3337728	(87) US2018034562	(32) 20.07.2018
(21) EP16856398.9	29.11.2018	(33) Italy
(47) 13.04.2022	(22) 25.05.2018	(51) B65D 85/804
(87) US2016057315	(54) BISTABLE PULL-SNAP HOLD OPEN MECHANISM AND METHOD	(11) EP3792197
20.04.2017	(73) Verma, Vishaal, Boehm	(21) EP20201795.0
(22) 17.10.2016	(72) Verma, Vishaal, Boehm	(47) 13.04.2022
(54) AERODYNAMIC TOTE PACKAGE AND METHOD FOR FORMING THE SAME	(31) 201715605804	(22) 20.09.2011
(73) Wing Aviation LLC	(32) 25.05.2017	(54) PORTION CAPSULE, METHOD FOR PRODUCING A PORTION CAPSULE AND A BEVERAGE, AND USE OF A PORTION CAPSULE
(72) WOODWORTH, Adam	(33) United States of America	(73) K-fee System GmbH
SOPPER, Clark	(51) B65D 47/08	(72) MAHLICH, Gotthard
COHEN, Joanna	(11) EP3738901	(31) 102011012881
DAY, Matt	(21) EP20173022.3	102011010589
(31) 201562243065 P	(47) 13.04.2022	202010013500 U
(32) 17.10.2015	(22) 05.05.2020	201113044217
(33) United States of America	(54) ASEPTIC CAP FOR CONTAINERS WITH EVIDENCE OF FIRST OPENING	(32) 02.03.2011
(51) B65D 5/38	(73) AFFABA & FERRARI S.r.l.	07.02.2011
B65D 83/04	(72) FERRARI, GUGLIELMO	22.09.2010
A61J 1/03	FERRARI, SILVIA	09.03.2011
(11) EP3746367	(31) 201900006724	(33) Germany
(21) EP19748289.6	(32) 10.05.2019	Germany
(47) 13.04.2022	(33) Italy	Germany
(87) US2019016228	(51) B65D 50/04	United States of America
08.08.2019	B65D 83/04	(51) B65D 88/16
(22) 01.02.2019	A61J 1/03	(11) EP3416902
(54) UNIT DOSE PACKAGING SYSTEM (UDPS) HAVING CHILD RESISTANT LOCKING FEATURE WITH FOCUSED PUSH BUTTON	A61J 7/04	(21) EP17716107.2
(73) WestRock MWV, LLC	(11) EP3408187	(47) 13.04.2022
(72) JONES, Marty	(21) EP17704088.8	(87) DE2017100125
(31) 201862624853 P	(47) 13.04.2022	24.08.2017
(32) 01.02.2018	(87) IB2017050457	(22) 17.02.2017
(33) United States of America	03.08.2017	(54) BULK MATERIAL CONTAINER HAVING HIGH LOAD CAPACITY
(51) B65D 19/18	(22) 27.01.2017	(73) Dr. Klaus Schulte GmbH Chemisch-Technische Fabrikation
B65D 43/02	(54) CHILD RESISTANT AND SENIOR FRIENDLY DISPENSING SYSTEM	(72) SCHULTE-WANTIA, Susanne
B65D 55/02	(73) Origin Packaging Limited	(31) 202016001072 U
(11) EP3489168	(72) BENOUALI, Nadir	(32) 19.02.2016
(21) EP17833512.1	ARNOLD, William	(33) Germany
(47) 13.04.2022	(31) 201662288911 P	(51) B65F 1/10
(87) CN2017094138	(32) 29.01.2016	B65F 1/14
01.02.2018	(33) United States of America	B65F 1/16
(22) 24.07.2017	(51) B65D 83/38	G06Q 10/00
(54) CONTAINER INCLUDING A COVER	B65D 83/68	G06Q 10/08
(73) Shanghai Hongyan Returnable Transit Packagings Co., Ltd.	(11) EP3571138	G06K 17/00
(72) JIAN, Yuanli	(21) EP17701441.2	(11) EP3480137
(31) 201610590728	(47) 13.04.2022	(21) EP18204513.8
(32) 25.07.2016	(87) EP2017050898	(47) 13.04.2022
(33) China	26.07.2018	(22) 06.11.2018
(51) B65D 19/44	(22) 17.01.2017	
(11) EP3612454		

(54) A SYSTEM FOR VOLUMETRIC DISPOSAL OF WASTE IN ROAD BINS	(33) Germany	(47) 13.04.2022
(73) Foresti, Antonio Luigi Piero Maria	(51) B65G 17/06	(22) 22.05.2017
(72) Foresti, Antonio Luigi Piero Maria	B65G 17/08	(54) METHOD AND DEVICE FOR CUTTING OUT OF OBJECTS FROM A SHEET-LIKE MATERIAL OR FOR THE SUBDIVISION OF A SHEET-LIKE MATERIAL
(31) 201700125869	(11) EP2788266	(73) Held, Gunnar
(32) 06.11.2017	(21) EP12856243.6	(72) Gunnar, Held
(33) Italy	(47) 13.04.2022	(31) 102016006165
(51) B65F 5/00	(87) US2012068286	(32) 23.05.2016
(11) EP2534075	13.06.2013	(33) Germany
(21) EP11710530.4	(22) 06.12.2012	(51) B65H 5/08
(47) 13.04.2022	(54) CONVEYOR BELT LINK WITH ROD RETAINING FEATURE	B65H 7/02
(87) FI2011050111	(73) Ashworth Bros., Inc.	B31B 70/00
18.08.2011	(72) NEELY, Darroll, Joseph	B31B 50/06
(22) 08.02.2011	BOWEN, Joseph, A	B31B 70/02
(54) METHOD AND APPARATUS FOR HANDLING MATERIAL IN A PNEUMATIC MATERIALS HANDLING SYSTEM	(31) 201113311797	(11) EP3807200
(73) Maricap OY	201113311888	(21) EP19731208.5
(72) SUNDHOLM, Göran	201113311900	(47) 13.04.2022
(31) 20105145	201113311882	(87) EP2019065300
20100203	201113311773	19.12.2019
20105570	(32) 06.12.2011	(22) 12.06.2019
(32) 12.02.2010	06.12.2011	(54) FLEXIBLE TUBE TRANSFER SYSTEM
12.05.2010	06.12.2011	(73) Windmüller & Hölcher KG
24.05.2010	06.12.2011	(72) HAWIGHORST, Thomas
(33) Finland	(33) United States of America	TRAME, Jan
Finland	United States of America	(31) 102019107458
Finland	United States of America	102018114020
(51) B65G 1/137	United States of America	(32) 22.03.2019
G03B 21/14	(51) B65G 17/20	12.06.2018
B07C 3/14	B65G 47/61	(33) Germany
B07C 7/00	(11) EP3393942	Germany
(11) EP3689789	(21) EP16819096.5	(51) B65H 23/032
(21) EP18860440.9	(47) 13.04.2022	B41J 15/04
(47) 13.04.2022	(87) EP2016082319	(11) EP3686137
(87) JP2018025737	29.06.2017	(21) EP20153646.3
04.04.2019	(22) 22.12.2016	(47) 13.04.2022
(22) 06.07.2018	(54) CHAIN LINK FOR A MULTI-LINK CONVEYOR CHAIN OF AN OVERHEAD CONVEYOR SYSTEM	(22) 24.01.2020
(54) BAGGAGE RECOGNITION DEVICE, BAGGAGE SORTING SYSTEM, AND BAGGAGE RECOGNITION METHOD	(73) SSI Schäfer Automation GmbH	(54) TRANSPORT DEVICE, PRINTING APPARATUS, AND METHOD FOR ADJUSTING FEEDING UNIT
(73) Panasonic Intellectual Property Management Co., Ltd.	(72) BUCHMANN, Rainer	(73) Seiko Epson Corporation
(72) OHTSUBO, Shohji	(31) 202015106982 U	(72) SASAKI, Tsutomu
MORIYAMA, Takaaki	(32) 22.12.2015	SUZUKI, Manabu
IDERA, Takaaki	(33) Germany	(31) 2019009970
(31) 2017187201	(51) B65G 67/50	(32) 24.01.2019
(32) 27.09.2017	(11) EP3247661	(33) Japan
(33) Japan	(21) EP16700586.7	(51) B65H 67/06
(51) B65G 5/00	(47) 13.04.2022	(11) EP3686141
G01F 15/00	(87) EP2016050598	(21) EP20150553.4
G05D 7/00	28.07.2016	(47) 13.04.2022
G05D 7/06	(22) 14.01.2016	(22) 07.01.2020
(11) EP2686645	(54) TILTING DEVICE AND METHOD FOR OPERATING A TILTING DEVICE	(54) YARN SUPPLYING BOBBIN FEEDING DEVICE
(21) EP12718165.9	(73) thyssenkrupp Industrial Solutions AG	(73) Murata Machinery, Ltd.
(47) 13.04.2022	(72) SEVERIN, Frank	(72) NAKAGAWA, Takashi
(87) EP2012057454	ROTH, Frank	INOUE, Kei
22.11.2012	(31) 102015000667	(31) 2019010950
(22) 24.04.2012	(32) 23.01.2015	(32) 25.01.2019
(54) METHOD, MANAGING DEVICE AND NATURAL GAS STORAGE SYSTEM FOR AUTOMATED MANAGEMENT OF MULTIPLE FLOW DEVICES	(33) Germany	(33) Japan
(73) Siemens Energy Global GmbH & Co. KG	(51) B65H 5/00	(51) B66B 1/46
(72) SZAJWAJ, Pawel	A41H 43/02	(11) EP3640181
(31) 102011075857	B26D 7/06	(21) EP19191349.0
(32) 16.05.2011	B65H 31/30	(47) 13.04.2022
	B65H 29/36	(22) 12.08.2019
	(11) EP3248917	
	(21) EP17000867.6	

(54) ELEVATOR PASSENGER INTERFACE INCLUDING SPECIAL ASSISTANCE FEATURES	(73) KONE Corporation	(73) TK Elevator Innovation and Operations GmbH
(73) Otis Elevator Company	(72) Natarajan, Nithil	(72) Spielmann, Alexander
(72) CHINTHAPALLI, Sreedhar	Kattainen, Ari	(31) 102019200176
DAYASAGAR, Putla Vasudev	Räsänen, Matti	(32) 09.01.2019
ATLA, Naveen	Mikkonen, Janne	(33) Germany
(31) 201811030189	Haapaniemi, Markku	(51) B66B 25/00
(32) 10.08.2018	Panula, Juha	(11) EP3495307
(33) India	Aitamurto, Juha-Matti	(21) EP18211123.7
(51) B66B 3/00	Hovi, Antti	(47) 13.04.2022
(11) EP3580162	Kantola, Jari	(22) 07.12.2018
(21) EP18700782.8	Pursiainen, Jari	(54) REMOTE INSPECTION OF PASSENGER CONVEYORS
(47) 13.04.2022	(51) B66B 7/12	(73) Otis Elevator Company
(87) EP2018051809	B66B 5/00	(72) YAMADA, Atsushi
16.08.2018	(11) EP3573916	SEKI, Hisanori
(22) 25.01.2018	(21) EP18704317.9	(31) 201715834637
(54) ELEVATOR MONITORING IN SHUTTLE MODE	(47) 13.04.2022	(32) 07.12.2017
(73) KONE Corporation	(87) JP2018001912	(33) United States of America
(72) KETTUNEN, Marju	02.08.2018	(51) B66C 13/06
SONAWANE, Dipti	(22) 23.01.2018	B66D 3/18
AUVINEN, Juuso	(54) ELEVATOR ROPE MAINTENANCE METHOD	B66C 11/04
MIETTINEN, Otto	(73) Meidensha Corporation	B66C 13/22
(31) 17154915	Otis Elevator Company	B66C 23/02
(32) 07.02.2017	(72) TAKEUCHI, Takashi	(11) EP3736244
(33) European Patent Office (EPO)	CHIDA, Kazuaki	(21) EP20165600.6
(51) B66B 5/00	ONODA, Ryuji	(47) 13.04.2022
(11) EP3617116	KATO, Mitsuru	(22) 25.03.2020
(21) EP19192714.4	WATABE, Yusuke	(54) METHOD FOR OPERATING A DEVICE FOR MANUALLY MOVING OBJECTS
(47) 13.04.2022	NOTA, Yoshiki	(73) J. Schmalz GmbH
(22) 20.08.2019	TANAKA, Hiroto	(72) Heinzelmann, Dominik
(54) ELEVATOR DOOR SENSOR FUSION, FAULT DETECTION, AND SERVICE NOTIFICATION	(31) 2017009882	Heinzmann, Bernd
(73) Otis Elevator Company	(32) 24.01.2017	(31) 102019111850
(72) TRACEY, Michael J.	(33) Japan	(32) 07.05.2019
SCHMIDT, Walter Thomas	(51) B66B 9/02	(33) Germany
SAKTI, Abdelilah	(11) EP3243787	(51) B81C 99/00
(31) 201816105762	(21) EP17171151.8	(11) EP3365271
(32) 20.08.2018	(47) 13.04.2022	(21) EP16795238.1
(33) United States of America	(22) 15.05.2017	(47) 13.04.2022
(51) B66B 5/00	(54) MAGNETIC ELEVATOR DRIVE MEMBER AND METHOD OF MANUFACTURE	(87) EP2016075358
(11) EP3680206	(73) Otis Elevator Company	27.04.2017
(21) EP19206340.2	(72) FARGO, Richard N.	(22) 21.10.2016
(47) 13.04.2022	(31) 201615154190	(54) STRUCTURES FOR CONTROLLING RELEASE OF TRANSFERABLE SEMICONDUCTOR STRUCTURES
(22) 30.10.2019	(32) 13.05.2016	(73) X Display Company Technology Limited
(54) SYSTEM AND METHOD FOR DETECTING ELEVATOR MAINTENANCE BEHAVIORS IN ELEVATOR HOISTWAY	(33) United States of America	(72) MEITL, Matthew
(73) Otis Elevator Company	(51) B66B 13/14	BOWER, Christopher
(72) LIN, Jun Yang	B66B 13/26	(31) 201514947596
JIA, Zhen	(11) EP3587334	201562245055 P
XI, Jie	(21) EP19183695.6	(32) 20.11.2015
SUN, Yuanjing	(47) 13.04.2022	22.10.2015
CHEN, Tian Yuan	(22) 01.07.2019	(33) United States of America
(31) 201811277196	(54) AUTO ADJUST ELEVATOR DOOR SYSTEM	United States of America
(32) 30.10.2018	(73) Otis Elevator Company	(51) C01B 3/02
(33) China	(72) KESHRI, Amit	C01B 3/04
(51) B66B 5/00	DHAR, Abhinav	C01C 1/04
B66B 11/02	(31) 201811024219	C25B 1/04
(11) EP3315445	(32) 29.06.2018	C01B 3/38
(21) EP16195958.0	(33) India	C01B 13/02
(47) 13.04.2022	(51) B66B 19/00	C07C 29/151
(22) 27.10.2016	(11) EP3680207	(11) EP3658492
(54) ELEVATOR SAFETY ARRANGEMENT AND ELEVATOR	(21) EP20150427.1	(21) EP18739891.2
	(47) 13.04.2022	(47) 13.04.2022
	(22) 07.01.2020	(87) EP2018069790
	(54) ADJUSTING DEVICE FOR ADJUSTING A GUIDE RAIL	31.01.2019
		(22) 20.07.2018

(54) PROCESS FOR THE CO-PRODUCTION OF METHANOL AND AMMONIA IN PARALLEL	03.01.2014	Japan
(73) Haldor Topsøe A/S	(22) 27.06.2013	Japan
(72) HAN, Pat A.	(54) CONTINUOUS PROCESS FOR MANUFACTURING FREELY FLOWING SOLID ACIDIC P/K FERTILIZER	Japan
(31) PA201800352	(73) Rotem Amfert Negev Ltd.	(51) C01B 39/14
PA201800345	(72) COHEN, Uri Sasson	C01B 39/02
PA201800351	AVIV, Talia	C01B 39/46
PA201800237	ORGIL, Doron	B01J 29/70
PA201700522	AROCH, Itsik	B01J 29/74
PA201700425	(31) 22068612	B01J 35/00
(32) 06.07.2018	(32) 28.06.2012	B01D 53/94
06.07.2018	(33) Israel	B01D 53/86
06.07.2018	(51) C01B 32/16	B01J 23/52
28.05.2018	C01B 32/168	B01J 29/068
25.09.2017	D01F 9/133	B01J 29/62
25.07.2017	C01B 32/162	B01J 23/44
(33) Denmark	C01B 32/164	(11) EP3464179
Denmark	C01B 32/159	(21) EP17732634.5
Denmark	(11) EP3527533	(47) 13.04.2022
Denmark	(21) EP17861066.3	(87) US2017034024
Denmark	(47) 13.04.2022	30.11.2017
Denmark	(87) KR2017008713	(22) 23.05.2017
(51) C01B 25/10	19.04.2018	(54) ZEOLITIC MATERIALS HAVING ENCAPSULATED BIMETALLIC CLUSTERS
C01B 25/14	(22) 11.08.2017	(73) Chevron U.S.A. Inc.
C01D 15/00	(54) METHOD FOR PREPARING SINGLE-WALL CARBON NANOTUBE FIBER ASSEMBLY	The Regents of the University of California
H01M 6/18	(73) LG Chem, Ltd.	(72) ZONES, Stacey, Ian
H01M 4/13	(72) LEE, Won Jae	IGLESIA, Enrique
H01M 4/62	KIM, Ji Eun	OTTO, Trenton
H01M 10/052	OH, Eugene	(31) 201662350228 P
H01M 10/0562	KIM, Juhan	201662341146 P
H01B 1/06	(31) 20160131812	(32) 15.06.2016
H01B 1/10	(32) 12.10.2016	25.05.2016
C01B 17/22	(33) Korea (Republic)	(33) United States of America
(11) EP3763671	(51) C01B 33/20	United States of America
(21) EP19882819.6	B01J 20/10	(51) C01B 39/22
(47) 13.04.2022	B01J 20/30	B01J 20/18
(87) JP2019043449	B01J 20/02	B01J 20/28
14.05.2020	B01J 20/28	B01J 20/30
(22) 06.11.2019	G21F 9/12	(11) EP3421428
(54) SULFIDE SOLID ELECTROLYTE AND BATTERY	(11) EP3556729	(21) EP17756575.1
(73) Mitsui Mining & Smelting Co., Ltd.	(21) EP18212548.4	(47) 13.04.2022
(72) YAGI, Teruaki	(47) 13.04.2022	(87) JP2017006787
ITO, Takahiro	(22) 17.07.2015	31.08.2017
TAKAHASHI, Tsukasa	(54) USE OF A COMPOSITION COMPRISING SILICOTITANATE HAVING SITINAKITE STRUCTURE AND NIOBIUM	(22) 23.02.2017
CHIKUMOTO, Takashi	(73) Tosoh Corporation	(54) SILVER-CARRYING ZEOLITE MOLDED ARTICLE
(31) 2018210466	(72) FUNAKOSHI, Hajime	(73) Tosoh Corporation
(32) 08.11.2018	SAKUMA, Takashi	(72) SHIMIZU Yoji
(33) Japan	IZUMI, Takeshi	FUNAKOSHI Hajime
(51) C01B 25/163	HIRANO, Shigeru	TOKUNAGA Keisuke
C05D 1/00	KOMATSU, Makoto	HIRANO Shigeru
C01B 25/26	SHIMIZU, Yoji	(31) 2016035659
C05G 3/20	TOKUNAGA, Keisuke	(32) 26.02.2016
C05B 13/06	(31) 2015096691	(33) Japan
B01D 9/00	2015096690	(51) C01G 9/08
B01D 11/04	2015039326	C09K 11/02
C05D 5/00	2014147677	C30B 29/60
C01B 25/30	(32) 11.05.2015	H01L 31/0296
C01B 25/34	11.05.2015	C30B 7/00
C05B 7/00	27.02.2015	B82Y 30/00
C05B 17/00	18.07.2014	C07F 19/00
C05G 3/00	(33) Japan	C07F 9/02
C05G 3/30		C09C 3/00
(11) EP2867159		C09C 3/06
(21) EP13808515.4		C09C 3/08
(47) 13.04.2022		C09K 11/79
(87) IL2013050552		

C09K 11/56	(11) EP3552680	(11) EP3656748
C09K 11/70	(21) EP17878460.9	(21) EP19211380.1
(11) EP3012224	(47) 13.04.2022	(47) 13.04.2022
(21) EP15190079.2	(87) KR2017014390	(22) 26.11.2019
(47) 13.04.2022	14.06.2018	(54) GAS TRAPPING MEMBER AND
(22) 05.08.2009	(22) 08.12.2017	VACUUM HEAT INSULATION
(54) SURFACE FUNCTIONALISED	(54) WATER TREATMENT APPARATUS	EQUIPMENT
NANOPARTICLES	COMPRISING A FILTER MODULE	(73) Panasonic Corporation
(73) Nanoco Technologies, Ltd.	(73) LG Electronics Inc.	(72) IKABATA, Takahiro
(72) Pickett, Nigel	(72) CHOI, Yuseung	TACHIZONO, Shinichi
Glarvey, Paul Anthony	LEE, Sangduck	MIYAKE, Tatsuya
McCairn, Mark Christopher	CHO, Suchang	NAITO, Takashi
Daniels, Steven Matthew	(31) 20160167765	HASHIBA, Yuji
Mushtaq, Imrana	(32) 09.12.2016	AOYAGI, Takuya
(31) 0814458	(33) Korea (Republic)	ONODERA, Taigo
88100 P	(51) C02F 1/52	(31) 2018220209
(32) 07.08.2008	C22B 3/08	(32) 26.11.2018
12.08.2008	C22B 19/00	(33) Japan
(33) United Kingdom	C02F 1/66	(51) C03C 17/00
United States of America	C02F 1/56	C03C 17/32
(51) C01G 23/00	C02F 101/20	C09D 179/08
H01M 4/485	C02F 103/16	C08L 79/08
(11) EP3617150	B03B 5/62	(11) EP3368491
(21) EP19194886.8	(11) EP3763681	(21) EP16798029.1
(47) 13.04.2022	(21) EP20185116.9	(47) 13.04.2022
(22) 02.09.2019	(47) 13.04.2022	(87) US2016059446
(54) A LINEAR POROUS LITHIUM TITANATE	(22) 10.07.2020	04.05.2017
MATERIAL, PREPARATION AND	(54) SYSTEM AND METHOD FOR	(22) 28.10.2016
PRODUCT THEREOF	TREATING ZINC-CONTAINING WASTE	(54) GLASS ARTICLES WITH MIXED
(73) PetroChina Company Limited	LIQUID	POLYMER AND METAL OXIDE
(72) Jiao, Hang	(73) China Enfi Engineering Corporation	COATINGS
Liu, Xiaodan	(72) Peng, Jianhua	(73) Corning Incorporated
Li, Jianming	Sun, Ninglei	(72) HENRY, David
Jin, Xu	Liu, Suning	LACARRIERE, Valerie Claudine
Liu, He	(31) 201910625804	(31) 201562248827 P
Wang, Xiaoqi	201921089980 U	(32) 30.10.2015
(31) 201811018059	(32) 11.07.2019	(33) United States of America
(32) 03.09.2018	11.07.2019	(51) C03C 17/04
(33) China	(33) China	C03C 17/34
(51) C02F 1/00	China	C03C 17/36
C02F 1/32	(51) C03C 3/095	C03C 23/00
(11) EP3201136	C03C 3/112	C03B 19/06
(21) EP15787891.9	C03C 4/00	B33Y 10/00
(47) 13.04.2022	C03C 4/02	(11) EP3321238
(87) AT2015050244	C03C 4/12	(21) EP17200865.8
07.04.2016	C03C 10/00	(47) 13.04.2022
(22) 30.09.2015	A61C 13/083	(22) 09.11.2017
(54) DEVICE FOR WATER FILTRATION	(11) EP3168199	(54) ADDITIVE MANUFACTURE OF
(73) Deltacore GmbH	(21) EP15194120.0	OPTICAL COMPONENTS
(72) BRANDT, Vili	(47) 13.04.2022	(73) Goodrich Corporation
GLAVINA, Martin	(22) 11.11.2015	(72) DUNN, Daniel E.
EL KHIAR, Hakim	(54) METHOD FOR MAKING GLASSES	EAST, Matthew J.
(31) 506992014	AND GLASS CERAMICS WITH SiO ₂ AS	HARRISON, Kramer
(32) 01.10.2014	MAIN CRYSTAL PHASE	SOUTHARD, Bari M.
(33) Austria	(73) Ivoclar Vivadent AG	(31) 201615348136
(51) C02F 1/469	(72) Höland, Wolfram	(32) 10.11.2016
B01D 35/06	Krolikowski, Sebastian	(33) United States of America
B01D 39/20	Schweiger, Marcel	(51) C03C 27/12
B01D 35/16	Rampf, Markus	B32B 17/10
B01D 61/14	Ritzberger, Christian	B32B 3/26
C02F 1/44	(51) C03C 3/12	B32B 3/30
B01D 35/30	C03C 8/02	(11) EP3789356
C02F 1/28	C03C 8/14	(21) EP20201764.6
B01J 20/20	C03C 8/24	(47) 13.04.2022
B01J 20/28	C03C 27/10	(22) 31.03.2017
C02F 9/00	C04B 35/74	(54) INTERLAYER FOR LAMINATED GLASS,
C02F 1/461	E06B 3/66	AND LAMINATED GLASS
C02F 101/20	B01J 20/00	(73) Sekisui Chemical Co., Ltd.

(72) NAKAYAMA, Kazuhiko	B28B 19/00	H01L 41/273
(31) 2016073210	B32B 18/00	(11) EP3085678
(32) 31.03.2016	C04B 35/119	(21) EP15835935.6
(33) Japan	C04B 35/14	(47) 13.04.2022
(51) C04B 2/10	C04B 35/185	(87) JP2015074551
(11) EP3799592	C04B 35/44	03.03.2016
(21) EP20734493.8	C04B 35/486	(22) 29.08.2015
(47) 13.04.2022	C04B 35/488	(54) PIEZOELECTRIC CERAMIC,
(87) EP2020067186	C04B 35/505	MANUFACTURING METHOD
24.12.2020	C04B 35/52	THEREFOR, AND ELECTRONIC
(22) 19.06.2020	C04B 35/565	COMPONENT
(54) METHOD AND DEVICE FOR	C04B 35/632	(73) Kyocera Corporation
PRODUCING FIRED END PRODUCTS	C04B 35/634	(72) NAKAKUBO, Hitoshi
FROM NATURAL, CARBONACEOUS,	C04B 35/80	FUKUOKA, Shuichi
GRANULAR MATERIALS AS STARTING	(11) EP3475245	EGUCHI, Tomonori
MATERIAL	(21) EP17739887.2	(31) 2014175767
(73) Litherm Technologies GmbH	(47) 13.04.2022	(32) 29.08.2014
(72) NELLES, Felix	(87) EP2017065408	(33) Japan
STUMPF, Thomas, Dr.	28.12.2017	(51) C04B 38/00
(31) 102019209043	(22) 22.06.2017	B01D 53/94
102019209044	(54) PREPREGS AND METHOD FOR	B01J 32/00
(32) 21.06.2019	PRODUCING SAME	B01J 35/04
21.06.2019	(73) Universität Bayreuth	B01J 35/10
(33) Germany	(72) PUCHAS, Georg	B28B 3/20
Germany	KRENKEL, Walter	C04B 38/06
(51) C04B 24/12	WAMSER, Thomas	F01N 3/022
C04B 28/04	KNOHL, Stefan	F01N 3/28
C04B 40/00	(31) 102016007652	(11) EP2995598
C04B 111/10	PCT/EP2017/064401	(21) EP14848132.8
(11) EP3615491	(32) 22.06.2016	(47) 13.04.2022
(21) EP18726872.7	13.06.2017	(87) JP2014075273
(47) 13.04.2022	(33) Germany	02.04.2015
(87) US2018029192	World Intellectual Property Office (WIPO)	(22) 24.09.2014
01.11.2018	(51) C04B 35/465	(54) CORDIERITE CERAMIC HONEYCOMB
(22) 24.04.2018	C04B 35/49	STRUCTURE
(54) AGENTS FOR ENHANCING CEMENT	C04B 35/626	(73) Hitachi Metals, Ltd.
STRENGTH	C04B 35/653	(72) OKAZAKI Shunji
(73) GCP Applied Technologies Inc.	G21F 9/16	(31) 2013197083
(72) CHEUNG, Josephine H.	G21F 9/14	(32) 24.09.2013
BERODIER, Elise	G21F 9/30	(33) Japan
BUZZELL, Leslie J.	G21F 9/08	(51) C04B 41/00
(31) 201762489798 P	C04B 35/64	C04B 41/45
(32) 25.04.2017	C04B 35/46	C04B 41/61
(33) United States of America	(11) EP3570293	E04C 5/01
(51) C04B 28/08	(21) EP18738961.4	C23F 13/02
C04B 14/28	(47) 13.04.2022	C04B 111/20
C04B 18/14	(87) RU2018000010	C04B 111/26
C04B 22/06	19.07.2018	(11) EP3762349
C04B 28/04	(22) 16.01.2018	(21) EP19709483.2
(11) EP3647295	(54) METHOD OF HANDLING	(47) 13.04.2022
(21) EP18823189.8	RADIOACTIVE SOLUTIONS	(87) EP2019055750
(47) 13.04.2022	(73) State Atomic Energy Corporation	12.09.2019
(87) JP2018015172	"Rosatom" on Behalf of The Russian	(22) 07.03.2019
03.01.2019	Federation	(54) METHOD FOR ELECTROCHEMICAL
(22) 11.04.2018	(72) POGLYAD, Sergey Stepanovich	TREATMENT OF CONCRETE
(54) CONCRETE COMPOSITION AND	LIZIN, Andrey Anatolievich	STRUCTURES AFFECTED BY ASR
PRODUCTION METHOD THEREFOR	TOMILIN, Sergey Vasilievich	(73) Inprom
(73) Tokyo University of Science Foundation	(31) 2017101380	Structural Technologies
The University Of Tokyo	(32) 16.01.2017	(72) ALHARIRI, Eyad
Sumitomo Mitsui Construction Co., Ltd.	(33) Russian Federation	SCHWARZ, Wolfgang
(72) KANEMATSU, Manabu	(51) C04B 35/493	(31) 642018
MATSUDA, Taku	B41J 2/14	(32) 07.03.2018
NOGUCHI, Takafumi	H01L 41/047	(33) Austria
(31) 2017127620	H01L 41/187	(51) C04B 41/00
(32) 29.06.2017	H01L 41/297	C04B 41/52
(33) Japan	H01L 41/43	C04B 35/486
(51) C04B 35/111	C04B 35/626	A61K 6/00
B28B 1/40	H01L 41/083	(11) EP3231785

(21) EP15868643.6	(72) MADHESAN, Balakrishnan	16.05.2019
(47) 13.04.2022	MANDAN, Chidambaram	(22) 08.11.2018
(87) CN2015090280	SAPRE, Ajit	(54) METHOD FOR CONTINUOUS
16.06.2016	BHUJADE, Ramesh	PRODUCTION OF 2,3-BUTANEDIOL
(22) 22.09.2015	(31) 201621023498	(73) Fundación Tecnalia Research &
(54) METHOD FOR POST-PROCESSING	(32) 19.12.2016	Innovation
COLORED ZIRCONIUM OXIDE	(33) India	(72) OCHOA GÓMEZ, José Ramón
CERAMIC	(51) C07C 17/16	PÉREZ GIL, Susana
(73) Liaoning Upcera Co., Ltd	C07C 29/147	DÍAZ DE GUEREÑU ZABARTE, María
(72) GUO, Ying	C07C 45/50	Del Mar
HE, Lingling	C07C 51/31	RINCÓN ARROYO, Inés
ZHENG, Yanchun	(11) EP3802476	(31) 17382756
(31) 201410742446	(21) EP19727551.4	(32) 09.11.2017
(32) 08.12.2014	(47) 13.04.2022	(33) European Patent Office (EPO)
(33) China	(87) US2019030621	(51) C07C 47/225
(51) C05F 17/90	05.12.2019	(11) EP3807241
C05F 17/964	(22) 03.05.2019	(21) EP19729745.0
(11) EP3841077	(54) METHODS OF CONTROLLING	(47) 13.04.2022
(21) EP19745189.1	HYDROFORMYLATION PROCESSES	(87) EP2019064982
(47) 13.04.2022	(73) Dow Technology Investments LLC	19.12.2019
(87) FI2019050543	(72) BRAMMER, Michael A.	(22) 07.06.2019
27.02.2020	QIAN, Hui Feng	(54) IMPROVEMENTS IN OR RELATING TO
(22) 11.07.2019	(31) 201862677861 P	ORGANIC COMPOUNDS
(54) AN APPARATUS AND A METHOD FOR	(32) 30.05.2018	(73) Givaudan SA
COMPOSTING ORGANIC MATERIAL	(33) United States of America	(72) COMPTON, Jeremy
(73) Biopallo Systems Oy	(51) C07C 17/20	LAUE, Heike
(72) SUHONEN, Anssi	C07C 17/25	VOIROL, Francis
(31) 20185697	C07C 21/18	(31) 201809732
(32) 24.08.2018	B01J 23/86	(32) 14.06.2018
(33) Finland	B01J 38/12	(33) United Kingdom
(51) C06B 27/00	B01J 37/14	(51) C07C 67/313
F42B 12/20	B01J 37/26	C09J 133/08
F42B 12/22	B01J 23/94	C08F 220/14
F42B 12/32	(11) EP3466912	C07C 69/73
F42B 12/36	(21) EP18208776.7	C08F 222/14
F42B 12/44	(47) 13.04.2022	C09J 135/02
F42B 12/74	(22) 21.01.2011	(11) EP3798205
C06B 45/04	(54) CATALYTIC GAS PHASE	(21) EP19199892.1
(11) EP3137439	FLUORINATION	(47) 13.04.2022
(21) EP15721797.7	(73) Arkema France	(22) 26.09.2019
(47) 13.04.2022	(72) PIGAMO, Anne	(54) BIO-BASED ACRYLATE MONOMER
(87) GB2015051275	WENDLINGER, Laurent	(73) Henkel AG & Co. KGaA
05.11.2015	DOUCET, Nicolas	(72) Nemitz, Ralph
(22) 01.05.2015	(51) C07C 29/14	Beck, Horst
(54) COMPOSITE REACTIVE MATERIAL	C07C 31/20	Brandt, Adrian
FOR USE IN A MUNITION	C07C 27/04	(51) C07C 211/61
(73) MBDA UK Limited	(11) EP3160927	H01L 51/00
(72) ATTALLAH, Moataz, Mohammad,	(21) EP15732253.8	H01L 51/50
Mahmoud	(47) 13.04.2022	C09K 11/06
GULIA, Kiran	(87) EP2015064693	(11) EP3649102
CROFTS, David, Robert	07.01.2016	(21) EP18825429.6
ACKERMAN, Terence, Alan	(22) 29.06.2015	(47) 13.04.2022
MELLOR, Jack, Robert, Harry	(54) PROCESS FOR THE PREPARATION	(87) KR2018005292
(31) 201407775	OF ETHYLENE GLYCOL FROM	03.01.2019
(32) 02.05.2014	SUGARS	(22) 09.05.2018
(33) United Kingdom	(73) Haldor Topsøe A/S	(54) ORGANIC ELECTROLUMINESCENT
(51) C07C 1/00	(72) TAARNING, Esben	COMPOUND AND ORGANIC
C10L 1/32	HOLM, Martin Spangsberg	ELECTROLUMINESCENT DEVICE
C10B 53/02	MARUP OSMUNDSEN, Christian	COMPRISING THE SAME
(11) EP3555027	(31) 14174977	(73) Rohm And Haas Electronic Materials
(21) EP17883399.2	(32) 30.06.2014	Korea Ltd.
(47) 13.04.2022	(33) European Patent Office (EPO)	(72) LIM, Young-Mook
(87) IB2017057525	(51) C07C 29/145	HONG, Jin-Ri
28.06.2018	C07C 31/20	LEE, Tae-Jin
(22) 30.11.2017	(11) EP3707117	KIM, Young-Kwang
(54) A PROCESS FOR PRODUCING	(21) EP18796474.7	OH, Hong-Se
CRUDE BIO-OIL	(47) 13.04.2022	MOON, Doo-Hyeon
(73) Reliance Industries Limited	(87) EP2018080627	(31) 20180047294

20170083233	SIDRAUSKI, Carmela	(73) Merck Sharp & Dohme Corp.
(32) 24.04.2018	HUTCHINS, Charles, W.	(72) ALI, Amjad
30.06.2017	DART, Michael, J.	KUANG, Rongze
(33) Korea (Republic)	FROST, Jennifer, M.	XIAO, Yushi
Korea (Republic)	PLIUSHCHEV, Marina	RUIZ, Manuel de Lera
(51) C07C 233/07	BLACK, Lawrence, A.	KIM, Jae-Hun
C07D 241/04	TONG, Yunsong	BIJU, Purakkattle
C07D 265/30	CHUNG, Seungwon	ZHANG, Yonglian
C07D 211/06	SWEIS, Ramzi, Farah	KIM, David Won-Shik
A61K 31/4965	SHI, Lei	KHAN, Tanweer
A61K 31/5375	(31) 201662332280 P	XIAO, Dong
A61K 31/435	(32) 05.05.2016	TUNG, Alexander L.
(11) EP3327001	(33) United States of America	ZHU, Xiaohong
(21) EP16830784.1	(51) C07D 231/12	YU, Tao
(47) 13.04.2022	C07D 405/10	WU, Heping
(87) KR2016008070	C07D 413/10	MCCORMICK, Kevin D.
02.02.2017	C07D 261/08	CAO, Jianhua
(22) 23.07.2016	H01L 51/50	WU, Jie
(54) NOVEL COMPOUND HAVING	(11) EP3263558	HONG, Liwu
BLT INHIBITORY ACTIVITY AND	(21) EP17178482.0	BERLIN, Michael
COMPOSITION, FOR PREVENTING	(47) 13.04.2022	TING, Pauline C.
OR TREATING INFLAMMATORY	(22) 28.06.2017	ZHOU, Gang
DISEASES, COMPRISING SAME AS	(54) HETEROCYCLIC COMPOUND AND	HENDERSON, Timothy J.
ACTIVE INGREDIENT	ORGANIC LIGHT-EMITTING DEVICE	LEE, Joe F.
(73) Dongguk University Industry-Academic	INCLUDING THE SAME	LIM, Yeon-Hee
Cooperation Foundation	(73) Samsung Display Co., Ltd.	LO, Michael Man-Chu
Korea University Research and Business	(72) JUN, Mieun	TAGAT, Jayaram R.
Foundation	HWANG, Seokhwan	DEGRADO, Sylvia J.
(72) GOO, Ja-Il	KIM, Haejin	(31) 201562112747 P
KIM, Jae-Hong	KIM, Youngkook	(32) 06.02.2015
CHOI, Yongseok	KO, Soobyeung	(33) United States of America
LEE, Kyeong	(31) 20160081172	(51) C07D 301/14
KWON, Jinsun	(32) 28.06.2016	C07D 303/32
HAN, Hyo-Kyung	(33) Korea (Republic)	(11) EP3613732
WEI, Jun Dong	(51) C07D 233/30	(21) EP19193077.5
(31) 20160093760	C07D 233/32	(47) 13.04.2022
20150105097	C07D 233/40	(22) 22.08.2019
(32) 22.07.2016	C07D 233/54	(54) PROCESS FOR PREPARING (E2)-
24.07.2015	C07D 233/70	CIS-6,7-EPOXY-2-NONENAL
(33) Korea (Republic)	C07D 233/96	(73) Shin-Etsu Chemical Co., Ltd.
Korea (Republic)	(11) EP3526199	(72) YAMASHITA, Miyoshi
(51) C07D 231/12	(21) EP17783868.7	KINSHO, Takeshi
C07D 237/08	(47) 13.04.2022	MIYAKE, Yuki
C07D 239/34	(87) EP2017076252	(31) 2018155266
C07D 241/12	19.04.2018	(32) 22.08.2018
C07D 471/04	(22) 13.10.2017	(33) Japan
C07D 261/08	(54) INHIBITORS OF ALPHA-AMINO-	(51) C07D 307/87
C07D 263/32	BETA-CARBOXYMUCONIC ACID	(11) EP3620455
C07D 271/07	SEMIALDEHYDE DECARBOXYLASE	(21) EP18813582.6
C07D 277/28	(73) Tes Pharma S.r.l.	(47) 13.04.2022
C07D 209/14	(72) PELLICCIARI, Roberto	(87) CN2018089996
C07D 213/40	(31) 201662408258 P	13.12.2018
C07D 213/64	(32) 14.10.2016	(22) 05.06.2018
C07D 307/52	(33) United States of America	(54) NEW PREPARATION METHOD FOR
A61K 31/4402	(51) C07D 239/84	ESCITALOPRAM PAMOATE
A61P 35/00	C07D 403/12	(73) Zhejiang Huahai Pharmaceutical Co., Ltd
(11) EP3452453	C07D 401/12	Shanghai Aobo Pharmtech, Inc., Ltd.
(21) EP17724209.6	C07D 401/14	(72) CHEN, Xi
(47) 13.04.2022	A61K 31/517	GU, Hong
(87) US2017031367	A61P 25/14	XU, Wei
09.11.2017	(11) EP3253390	(31) 201710411925
(22) 05.05.2017	(21) EP16747041.8	(32) 05.06.2017
(54) MODULATORS OF THE INTEGRATED	(47) 13.04.2022	(33) China
STRESS PATHWAY	(87) US2016015881	(51) C07D 307/91
(73) AbbVie Inc.	11.08.2016	C07D 333/76
Calico Life Sciences LLC	(22) 01.02.2016	H01L 51/00
(72) XU, Xiangdong	(54) AMINOQUINAZOLINE COMPOUNDS	(11) EP3792255
ZHANG, Qingwei	AS A2A ANTAGONIST	(21) EP20195352.8

(47) 13.04.2022	A01N 43/56	(47) 13.04.2022
(22) 09.09.2020	A01N 43/78	(87) CN2019075891
(54) HETEROCYCLIC COMPOUND AND	C07D 401/04	12.09.2019
ORGANIC LIGHT-EMITTING DEVICE	C07D 403/04	(22) 22.02.2019
INCLUDING THE SAME	C07D 407/14	(54) MEMANTINE PAROXETINE
(73) Samsung Display Co., Ltd.	C07D 409/14	COCRYSTAL SALT AND ITS
(72) KIM, Minji	C07D 413/04	PREPARATION METHOD,
HAN, Sanghyun	C07D 417/04	PHARMACEUTICAL COMPOSITION
JO, Sohee	C07D 417/14	AND APPLICATION
JEONG, Eunjae	C07D 471/04	(73) Hefei Keda Bio-Technology Co. Ltd
KIM, Dongjun	C07D 513/04	(72) WANG, Ke
(31) 20190113526	(11) EP3567036	WANG, Gang
(32) 16.09.2019	(21) EP19180329.5	WANG, Zonggui
(33) Korea (Republic)	(47) 13.04.2022	CHENG, Qianliu
(51) C07D 401/10	(22) 09.09.2014	GENG, Yan
C07C 233/00	(54) HETEROCYCLE-SUBSTITUTED	ZHAO, Xun
(11) EP3765452	BICYCLIC AZOLE PESTICIDES	(31) 201810190483
(21) EP19708556.6	(73) FMC Corporation	(32) 08.03.2018
(47) 13.04.2022	(72) ZHANG, Wenming	(33) China
(87) EP2019055815	FRAGA, Breena Gloriana	(51) C07D 405/14
19.09.2019	CLARK, David Alan	C07D 401/04
(22) 08.03.2019	(31) 201361877329 P	C07D 487/04
(54) PREPARATIVE PROCESS OF	(32) 13.09.2013	(11) EP3580219
TWO 4-[(2S)-2-{4-[5-CHLORO-2-	(33) United States of America	(21) EP18706147.8
(1H-1,2,3-TRIAZOL-1-YL)PHENYL]-5-	(51) C07D 401/14	(47) 13.04.2022
METHOXY-2-OXOPYRIDIN-1(2H)-	C07D 413/14	(87) US2018017347
YL)BUTANOYLAMINO}-2-	C07D 417/14	16.08.2018
FLUOROBENZAMIDE DERIVATIVES	C07D 409/14	(22) 08.02.2018
(73) Bayer Aktiengesellschaft	C07D 405/14	(54) PROCESS FOR THE PREPARATION
Bayer Pharma Aktiengesellschaft	A61K 31/506	OF REMIMAZOLAM AND SOLID STATE
(72) EGGER, Julian	A61P 35/00	FORMS OF REMIMAZOLAM SALTS
GÖTZ, Daniel	(11) EP3530657	(73) Assia Chemical Industries Ltd.
SOWA, Michal	(21) EP17870509.1	(72) BEN-ZION, Dolitzky
(31) 18161983	(47) 13.04.2022	SHIVAJI, Mane Ganesh
(32) 15.03.2018	(87) CN2017110029	VIJAY, Joshi Ashutosh
(33) European Patent Office (EPO)	17.05.2018	SINGH, Amit
(51) C07D 401/14	(22) 08.11.2017	RAJARAM, Bodkhe Arjun
C07D 403/14	(54) 2-POLYSUBSTITUTED AROMATIC	MUTHUSAMY, Anantha Rajmohan
C07D 405/14	RING-PYRIMIDINE DERIVATIVE AND	SRIHARI, Samala Rajamouli
C07D 413/14	PREPARATION AND MEDICAL USE	MARIOARA, Mendelovici
C07D 417/14	(73) Zhejiang University	LUTHRA, Parven Kumar
A61K 31/4433	Shanghai Institute of Materia Medica,	(31) 201811002128
A61K 31/4439	Chinese Academy of Sciences	201711046934
A61K 31/506	(72) TONG, Lexian	201711033273
A61P 11/06	HU, Yongzhou	201711004706
A61P 19/02	DONG, Xiaowu	(32) 18.01.2018
A61P 29/00	SU, Mingbo	27.12.2017
(11) EP3728219	SONG, Pinrao	20.09.2017
(21) EP18816101.2	WANG, Peipei	09.02.2017
(47) 13.04.2022	ZHOU, Yubo	(33) India
(87) EP2018085383	LI, Jia	India
27.06.2019	GAO, Anhui	India
(22) 18.12.2018	LIU, Tao	India
(54) SUBSTITUTED PYRROLIDINE AMIDES	HU, Xiaobei	(51) C07D 413/04
I	(31) 201610988036	C07D 271/06
(73) Grünenthal GmbH	(32) 10.11.2016	C07D 271/07
(72) HENNEN, Stephanie	(33) China	A61P 21/00
FRIEBE, Daniela	(51) C07D 405/12	A61K 31/4245
SCHADE, Markus	C07C 211/38	(11) EP3713934
JAKOB, Florian	C07C 209/84	(21) EP18807926.3
ALLEN, Jo	A61K 31/13	(47) 13.04.2022
KRÜGER, Sebastian	A61K 31/4525	(87) EP2018081850
(31) 17208175	A61P 25/28	31.05.2019
(32) 18.12.2017	A61P 25/24	(22) 20.11.2018
(33) European Patent Office (EPO)	A61P 25/00	(54) OXADIAZOLE DERIVATIVES FOR THE
(51) C07D 401/14	A61P 25/16	TREATMENT OF GENETIC DISEASES
C07D 405/14	(11) EP3750889	DUE TO NONSENSE MUTATIONS
C07D 413/14	(21) EP19764271.3	

(73) Fondazione Per La Ricerca Sulla Fibrosi Cistica - Onlus Universita' degli Studi di Palermo	(54) ADENINE DERIVATIVES WHICH ARE USEFUL IN THE TREATMENT OF ALLERGIC DISEASES OR OTHER INFLAMMATORY CONDITIONS	(73) Tabomedex Biosciences, Inc.
(72) TUTONE, Marco PACE, Andrea LENTINI, Laura MELFI, Raffaella PIBIRI, Ivana DI LEONARDO, Aldo	(73) GlaxoSmithKline Biologicals SA	(72) VACCA, Joseph, P. MCCOMAS, Casey, Cameron SERRANO-WU, Michael, H.
(31) 201700134511	(72) LI, Yufeng BAZIN-LEE, Helene G.	(31) 201662274640 P
(32) 23.11.2017	(31) 201462079027 P	(32) 04.01.2016
(33) Italy	(32) 13.11.2014	(33) United States of America
(51) C07D 471/04	(33) United States of America	(51) C07D 487/22
A61K 31/4745	(51) C07D 487/04	A61K 31/55
A61P 25/28	A61K 31/4985	A61P 35/00
A61P 35/00	A61K 31/519	(11) EP3341375
(11) EP3683220	A61P 33/12	(21) EP16838548.2
(21) EP20156172.7	(11) EP3568397	(47) 13.04.2022
(47) 13.04.2022	(21) EP18700832.1	(87) CN2016096200
(22) 15.09.2016	(47) 13.04.2022	02.03.2017
(54) 8-[6-[3-(AMINO)PROPOXY]-3-PYRIDYL]-1-ISOPROPYL-IMIDAZO[4,5-C]QUINOLIN-2-ONE DERIVATIVES AS SELECTIVE MODULATORS OF ATAXIA TELANGIECTASIA MUTATED (ATM) KINASE FOR THE TREATMENT OF HUNTINGTON'S DISEASE	(87) GB2018050101 19.07.2018	(22) 22.08.2016
(73) Astrazeneca AB	(22) 15.01.2018	(54) PROCESS FOR PREPARING PARP INHIBITOR, CRYSTALLINE FORMS, AND USES THEREOF
(72) EATHERTON, Andrew John PIKE, Kurt, Gordon HUNT, Thomas Anthony BARLAAM, Bernard Christophe	(54) COMPOUNDS AND THEIR USE IN THE TREATMENT OF SCHISTOSOMIASIS	(73) BeiGene, Ltd.
(31) 201516504	(73) Merck Patent GmbH	(72) WANG, Hexiang ZHOU, Changyou KUANG, Xianzhao REN, Bo
(32) 17.09.2015	(72) GARDNER, John Mark Francis BELL, Andrew Simon	(31) PCT/CN2015/088003
(33) United Kingdom	(31) 201700692	(32) 25.08.2015
(51) C07D 471/04	(32) 16.01.2017	(33) World Intellectual Property Office (WIPO)
H01L 51/00	(33) United Kingdom	(51) C07F 5/00
H05B 33/08	(51) C07D 487/04	C07C 381/12
H01L 51/50	A61K 31/502	C07D 335/16
H01L 51/52	A61P 35/00	C07F 7/08
(11) EP3263570	(11) EP3674304	C08G 59/68
(21) EP17178076.0	(21) EP18849247.4	C09K 3/00
(47) 13.04.2022	(47) 13.04.2022	(11) EP3480205
(22) 27.06.2017	(87) CN2018101875 28.02.2019	(21) EP17819834.7
(54) ORGANIC COMPOUND, AND ORGANIC LIGHT EMITTING DIODE AND ORGANIC LIGHT EMITTING DISPLAY DEVICE INCLUDING THE SAME	(22) 23.08.2018	(47) 13.04.2022
(73) LG Display Co., Ltd.	(54) CRYSTAL FORM OF PARP-1 INHIBITOR AND PREPARATION METHOD THEREFOR	(87) JP2017021601 04.01.2018
(72) SHIN, Ji-Cheol JOO, Sung-Hoon YOON, Seung-Hee YOO, Seon-Keun	(73) Jiangsu Hengrui Medicine Co., Ltd.	(22) 12.06.2017
(31) 20160082776	(72) LI, Zhengming LI, Wenhai ZHANG, Quanliang QIU, Zhenjun	(54) SULFONIUM SALT, PHOTOACID GENERATOR, PHOTOCURABLE COMPOSITION, AND CURED PRODUCT THEREOF
(32) 30.06.2016	(31) 201710737513	(73) San-Apro Ltd.
(33) Korea (Republic)	(32) 24.08.2017	(72) FUKUNAGA Noriya TAKASHIMA Yusaku
(51) C07D 473/18	(33) China	(31) 2016128396
A61K 31/522	(51) C07D 487/14	(32) 29.06.2016
A61P 31/00	A61K 45/06	(33) Japan
A61P 35/00	C07D 519/00	(51) C07F 9/6561
A61P 37/08	A61K 31/5517	A61K 31/675
(11) EP3218377	A61P 1/16	A61P 31/18
(21) EP15797460.1	A61P 3/04	(11) EP3559011
(47) 13.04.2022	A61P 3/06	(21) EP17829499.7
(87) IB2015058774 19.05.2016	A61P 3/10	(47) 13.04.2022
(22) 13.11.2015	A61P 43/00	(87) US2017067470 28.06.2018
	A61P 35/00	(22) 20.12.2017
	A61P 29/00	(54) ANTIVIRAL ESTER PRODRUGS OF TENOFOVIR
	(11) EP3400228	(73) Merck Sharp & Dohme Corp. Idenix Pharmaceuticals LLC
	(21) EP17736213.4	(72) DUKHAN, David PAPARIN, Jean-Laurent RAHALI, Houcine RAHEEM, Izzat DA COSTA, Daniel
	(47) 13.04.2022	(31) 201762574493 P
	(87) US2017012092 13.07.2017	
	(22) 04.01.2017	
	(54) FUSED QUADRACYCLIC COMPOUNDS, COMPOSITIONS AND USES THEREOF	

201662437753 P	(47) 13.04.2022	(54) 4'-FLUORO-2'-METHYL SUBSTITUTED NUCLEOSIDE DERIVATIVES
(32) 19.10.2017	(22) 25.11.2014	(73) Riboscience LLC
22.12.2016	(54) PROCESS FOR THE PREPARATION OF CIS-RUTHENIUM OR -OSMIUM COMPLEXES	(72) SMITH, Mark
(33) United States of America	(73) Johnson Matthey Public Limited Company	KLUMPP, Klaus G.
United States of America	(72) NEDDEN, HANS	(31) 201361824030 P
(51) C07F 9/6561	Facchetti, Sarah	(32) 16.05.2013
A61K 31/675	(31) 201320869	(33) United States of America
A61P 35/00	(32) 26.11.2013	
(11) EP3573992	(33) United Kingdom	(51) C07J 41/00
(21) EP18744659.6	(51) C07F 15/02	C07J 9/00
(47) 13.04.2022	C07C 251/08	C07J 51/00
(87) CA2018050091	C08F 36/00	(11) EP3548038
02.08.2018	C08F 36/08	(21) EP17877352.9
(22) 26.01.2018	C08F 136/06	(47) 13.04.2022
(54) SUBSTITUTED BICYCLIC PYRIMIDINE-BASED COMPOUNDS AND COMPOSITIONS AND USES THEREOF	C08F 4/70	(87) US2017063720
(73) Tsantrizos, Youla S.	C07C 249/02	07.06.2018
Sebag, Michael	(11) EP3571210	(22) 29.11.2017
(72) Tsantrizos, Youla S.	(21) EP18702336.1	(54) PROCESS FOR PREPARATION OF SULFONYLUREA BILE ACID DERIVATIVES
Sebag, Michael	(47) 13.04.2022	(73) Enanta Pharmaceuticals, Inc.
(31) 201762528601 P	(87) IB2018050308	(72) HE, Yong
201762450736 P	26.07.2018	LONG, Jiang
(32) 05.07.2017	(22) 18.01.2018	WANG, Bin
26.01.2017	(54) OXO-NITROGENATED IRON COMPLEX, CATALYTIC SYSTEM COMPRISING SAID OXO-NITROGENATED IRON COMPLEX AND PROCESS FOR THE (CO)POLYMERIZATION OF CONJUGATED DIENES	XU, Guoyou
(33) United States of America	(73) Versalis S.p.A.	DAI, Peng
United States of America	(72) MASI, Francesco	WANG, Guoqiang
(51) C07F 9/6571	SOMMAZZI, Anna	OR, Yat, Sun
(11) EP3601303	PAMPALONI, Guido	(31) 201662427354 P
(21) EP18717765.4	RENILI, Filippo	(32) 29.11.2016
(47) 13.04.2022	RICCI, Giovanni	(33) United States of America
(87) US2018023678	(31) 201700006307	(51) C07K 7/08
27.09.2018	(32) 20.01.2017	A61K 47/64
(22) 22.03.2018	(33) Italy	A61K 47/62
(54) METHODS FOR FORMING 1,3,5,7-TETRAALKYL-6-(2,4-DIMETHOXYPHENYL)-2,4,8-TRIOXA-6-PHOSPHAADAMANTANE	(51) C07H 15/24	A61K 38/05
(73) Dow Global Technologies LLC	A01H 1/04	A61K 38/10
(72) TU, Siyu	(11) EP3114131	A61P 35/00
BRIGGS, John R.	(21) EP15711909.0	(11) EP3727460
CAMELIO, Andrew M.	(47) 13.04.2022	(21) EP18829437.5
GRIGG, Robert David	(87) US2015016269	(47) 13.04.2022
KLINKENBERG, Jessica L.	27.08.2015	(87) GB2018053675
(31) 201762475409 P	(22) 18.02.2015	27.06.2019
(32) 23.03.2017	(54) PROCESS FOR SEPARATION, ISOLATION AND CHARACTERIZATION OF STEVIOL GLYCOSIDES	(22) 19.12.2018
(33) United States of America	(73) Heartland Consumer Products LLC	(54) BICYCLIC PEPTIDE LIGANDS SPECIFIC FOR EPHA2
(51) C07F 9/6574	(72) CATANI, Steven J.	(73) BicycleTX Limited
C07C 45/50	NAVIA, Juan	(72) HUXLEY, Philip
C07C 47/02	(31) 201461941018 P	VAN RIETSCHOTEN, Katerine
B01J 31/12	(32) 18.02.2014	PAVAN, Silvia
(11) EP3763723	(33) United States of America	CHEN, Lihong
(21) EP19185649.1	(51) C07H 19/10	(31) 201818603
(47) 13.04.2022	C07H 19/20	201804102
(22) 11.07.2019	A61K 31/7072	201721259
(54) BIS-PHOSPHITES WITH A CLOSED AND AN OPEN BLADE MODULE	A61K 31/7076	(32) 14.11.2018
(73) Evonik Operations GmbH	(11) EP2996695	14.03.2018
(72) FRANKE, Robert	(21) EP14797788.8	19.12.2017
FRIDAG, Dirk	(47) 13.04.2022	(33) United Kingdom
SALE, Anna Chiara	(87) US2014038287	United Kingdom
BRÄCHER, Alexander	20.11.2014	United Kingdom
QUELL, Thomas	(22) 15.05.2014	
(51) C07F 15/00		(51) C07K 7/08
C07B 31/00		C07K 7/02
C07F 17/02		A61K 38/10
(11) EP3360880		A61P 3/10
(21) EP18158571.2		(11) EP3473642

(54) COMPOSITIONS AND METHODS OF USING ISLET NEOGENESIS PEPTIDES AND ANALOGS THEREOF	(87) GB2018051191 22.11.2018	PAGANI, Massimiliano
(73) Shenzhen Hightide Biopharmaceutical Ltd.	(22) 03.05.2018	(31) 16198724 16169791
(72) LIU, Liping	(54) TRANSMEMBRANE PORE CONSISTING OF TWO CSGG PORES	(32) 14.11.2016 16.05.2016
BAI, Ru	(73) Vrije Universiteit Brussel	(33) European Patent Office (EPO)
(31) PCT/CN2013/072771	VIB VZW	European Patent Office (EPO)
(32) 15.03.2013	Oxford Nanopore Technologies plc	(51) C07K 14/475
(33) World Intellectual Property Office (WIPO)	(72) JORDAN, Michael	G01N 33/487
(51) C07K 7/64	WALLACE, Elizabeth Jayne	C12Q 1/68
A61K 38/12	JAYASINGHE, Lakmal Nishantha	A61P 27/06
A61P 9/10	SINGH, Pratik Raj	(11) EP3408287
A61P 43/00	REMAUT, Han	(21) EP17745087.1
(11) EP3514167	HAMBLEY, Richard George	(47) 13.04.2022
(21) EP17850903.0	(31) 201707122	(87) US2017015643
(47) 13.04.2022	(32) 04.05.2017	03.08.2017
(87) JP2017032984	(33) United Kingdom	(22) 30.01.2017
22.03.2018	(51) C07K 14/335	(54) GDF15 IN GLAUCOMA AND METHODS OF USE THEREOF
(22) 13.09.2017	C12N 5/10	(73) Washington University
(54) THROMBOSPONDIN 1-BINDING PEPTIDE	(11) EP3724215	(72) APTE, Rajendra S.
(73) Daiichi Sankyo Company, Limited	(21) EP18814618.7	YOSHINO, Jun
PeptiDream Inc.	(47) 13.04.2022	(31) 201662289030 P
(72) ISHIGAI, Yutaka	(87) EP2018084363	(32) 29.01.2016
SAITO, Hironao	20.06.2019	(33) United States of America
MORI, Yutaka	(22) 11.12.2018	(51) C07K 14/705
IJIRI, Hiroshi	(54) PEPTIDOMIMETICS, METHOD OF SYNTHESIS AND USES THEREOF	C12N 15/62
OTSUKA, Eri	(73) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	(11) EP3409686
KUBOTA, Hideki	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE	(21) EP18164139.0
YAMAGUCHI, Takahiro	Institut Pasteur	(47) 13.04.2022
REID, Patrick	(72) BALEUX, Françoise	(22) 18.07.2013
FURUKAWA, Akihiro	MARTEYN, Benoit, Sébastien	(54) COMPOSITION COMPRISING A MIXTURE OF CD95-FC ISOFORMS
(31) 2016178955	COIC, Yves-Marie	(73) Apogenix AG
(32) 13.09.2016	(31) 17306746	(72) THIEMANN, Meinolf
(33) Japan	(32) 11.12.2017	GIEFFERS, Christian
(51) C07K 14/195	(33) European Patent Office (EPO)	HILL, Oliver
A61K 35/74	(51) C07K 14/435	(31) 12176980
C12N 9/88	(11) EP3660037	12176978
C12N 5/10	(21) EP19212382.6	(32) 18.07.2012
C12N 9/78	(47) 13.04.2022	18.07.2012
A61P 7/00	(22) 29.11.2019	(33) European Patent Office (EPO)
(11) EP3377518	(54) FUSION POLYPEPTIDE AND METHOD FOR PRODUCING FUSION POLYPEPTIDE	European Patent Office (EPO)
(21) EP16810138.4	(73) SYSMEX CORPORATION	(51) C07K 14/71
(47) 13.04.2022	(72) FUKUNAGA, Atsushi	A61K 38/17
(87) US2016062369	BAJAJ, Reema	(11) EP3481859
26.05.2017	(31) 2018223373	(21) EP17742195.5
(22) 16.11.2016	(32) 29.11.2018	(47) 13.04.2022
(54) BACTERIA ENGINEERED TO REDUCE HYPERPHENYLALANINEMIA	(33) Japan	(87) EP2017067119
(73) Synlogic Operating Company, Inc.	(51) C07K 14/47	11.01.2018
(72) KOTULA, Jonathan, W.	C07K 16/28	(22) 07.07.2017
FALB, Dean	G01N 33/50	(54) SOLUBLE FIBROBLAST GROWTH FACTOR RECEPTOR 3 (SFGFR3) POLYPEPTIDES AND USES THEREOF
MILLER, Paul, F.	C12N 5/0783	(73) Pfizer Inc.
ROWE, Sarah	(11) EP3458473	INSERM (Institut National de la Santé et de la Recherche Médicale)
ISABELLA, Vincent, M.	(21) EP17725914.0	Université Côte d'Azur
MILLET, Yves	(47) 13.04.2022	(72) GOUZE, Elvire
(31) 201562256052 P	(87) EP2017061642	GARCIA, Stéphanie
PCT/US2016/032562	23.11.2017	(31) 201762467478 P
(32) 16.11.2015	(22) 15.05.2017	201662359607 P
13.05.2016	(54) MARKERS SELECTIVELY DEREGULATED IN TUMOR-INFILTRATING REGULATORY T CELLS.	(32) 06.03.2017
(33) United States of America	(73) CHECKMAB S.R.L.	07.07.2016
World Intellectual Property Office (WIPO)	UNIVERSITA' DEGLI STUDI DI MILANO	(33) United States of America
(51) C07K 14/245	(72) ABRIGNANI, Sergio	United States of America
C12Q 1/6869		(51) C07K 16/06
(11) EP3619224		C07K 1/113
(21) EP18727044.2		
(47) 13.04.2022		

(11) EP3692062	(22) 08.01.2016	(54) GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
(21) EP18795833.5	(54) AGONISTIC TNF RECEPTOR BINDING AGENTS	(73) Nutrition & Biosciences USA 4, Inc.
(47) 13.04.2022	(73) BioNTech SE	(72) PAULLIN, Jayme L.
(87) US2018052798	Genmab A/S	PRASAD, Jahnvi Chandra
11.04.2019	(72) PARREN, Paul	PAYNE, Mark S.
(22) 26.09.2018	ALTINTAS, Isil	CHENG, Qiong
(54) METHODS FOR PREVENTING DISULFIDE BOND REDUCTION IN CELL CULTURE HARVEST WITH SELENITE	SATIIN, David	DICOSIMO, Robert
(73) Bayer Healthcare LLC	GIESEKE, Friederike	YOU, Zheng
(72) KWANT, Kathryn	SAHIN, Ugur	NAMBIAR, Rakesh
(31) 201762566817 P	(31) PCT/EP2015/050255	(31) 201562255185 P
(32) 02.10.2017	(32) 08.01.2015	(32) 13.11.2015
(33) United States of America	(33) World Intellectual Property Office (WIPO)	(33) United States of America
(51) C07K 16/18	(51) C07K 19/00	(51) C08F 2/06
G01N 33/68	A61K 38/16	C08F 210/12
G01N 33/53	A61K 38/45	C08J 3/07
(11) EP2794655	A61P 35/02	C08F 6/00
(21) EP12818996.6	C07K 14/705	F16J 15/10
(47) 13.04.2022	C07K 16/00	C09K 3/10
(87) EP2012076552	C12N 15/62	C08J 3/12
27.06.2013	A61K 38/00	(11) EP3087139
(22) 21.12.2012	(11) EP3575326	(21) EP14874669.6
(54) METHOD FOR SELECTIVELY QUANTIFYING A-BETA AGGREGATES	(21) EP19185175.7	(47) 13.04.2022
(73) Forschungszentrum Jülich GmbH	(47) 13.04.2022	(87) CA2014051246
(72) WILLBOLD, Dieter	(22) 17.12.2013	02.07.2015
BANNACH, Oliver	(54) TREATMENT OF CD47+ DISEASE CELLS WITH SIRP ALPHA-FC FUSIONS	(22) 22.12.2014
BIRKMANN, Eva	(73) Trillium Therapeutics Inc.	(54) ULTRA PURE RUBBER
FUNKE, Susanne Aileen	(72) SLAVOVA-PETROVA, Penka Slavtcheva	(73) Arlanxeo Singapore Pte. Ltd.
WANG-DIETRICH, Lei	UGER, Robert Adam	(72) THOMPSON, David
(31) 102011057021	PANG, Xinli	(31) 14175962
(32) 23.12.2011	(31) 201261738008 P	14175023
(33) Germany	(32) 17.12.2012	14160626
(51) C07K 16/28	(33) United States of America	13199368
A61K 35/14	(51) C08B 13/00	(32) 07.07.2014
C07K 14/725	A61K 47/38	30.06.2014
C07K 14/705	C08L 1/32	19.03.2014
C07K 16/30	C09D 101/32	23.12.2013
C12N 5/0783	A61K 9/14	(33) European Patent Office (EPO)
A61P 35/00	A61K 9/20	European Patent Office (EPO)
(11) EP3539986	(11) EP3186285	European Patent Office (EPO)
(21) EP19158368.1	(21) EP15760541.1	European Patent Office (EPO)
(47) 13.04.2022	(47) 13.04.2022	(51) C08F 4/656
(22) 15.03.2014	(87) US2015045596	C08F 4/654
(54) TREATMENT OF CANCER USING HUMANIZED ANTI-CD19 CHIMERIC ANTIGEN RECEPTOR	03.03.2016	C08F 10/00
(73) The Trustees Of The University Of Pennsylvania	(22) 18.08.2015	(11) EP2567986
Novartis AG	(54) ESTERIFIED CELLULOSE ETHERS OF LOW ACETONE-INSOLUBLE CONTENT	(21) EP11863798.2
(72) SCHOLLER, John	(73) Nutrition & Biosciences USA 1, LLC	(47) 13.04.2022
LOEW, Andreas	(72) KNARR, Matthias	(87) CN2011000944
JUNE, Carl H.	SPREHE, Matthias	26.10.2012
BROGDON, Jennifer	PETERMANN, Oliver	(22) 03.06.2011
MAUS, Marcela	(31) 201462042410 P	(54) OLEFIN POLYMERIZATION CATALYST AND PREPARATION METHOD AND USE THEREOF
(31) 201361838537 P	(32) 27.08.2014	(73) Petrochina Company Limited
201361802629 P	(33) United States of America	(72) LI, Zhifei
(32) 24.06.2013	(51) C08B 37/00	YI, Jianjun
16.03.2013	C08L 5/00	WANG, Liang
(33) United States of America	C11D 3/22	YIN, Baozuo
United States of America	C11D 7/26	LI, Huashu
(51) C07K 16/28	C11D 11/00	ZHANG, Jianying
C07K 16/46	(11) EP3374400	CUI, Chunming
(11) EP3623386	(21) EP16797703.2	CUI, Liang
(21) EP19194817.3	(47) 13.04.2022	(31) 201110102567
(47) 13.04.2022	(87) US2016060832	(32) 22.04.2011
	18.05.2017	(33) China
	(22) 07.11.2016	(51) C08F 6/22
		C08F 285/00

C08L 69/00	(47) 13.04.2022	(32) 08.06.2016
C08J 3/16	(87) JP2016082094	(33) United Kingdom
C08J 3/205	01.06.2017	(51) C08F 212/14
(11) EP3515956	(22) 28.10.2016	C08F 220/28
(21) EP17780921.7	(54) METHOD FOR PRODUCING CATALYST	C08L 33/06
(47) 13.04.2022	FOR POLYMERIZATION OF OLEFINS	C09D 133/06
(87) US2017050638	(73) Toho Titanium Co., Ltd.	C09B 69/10
29.03.2018	(72) MASUYAMA Takahiro	A61K 6/65
(22) 08.09.2017	UOZUMI Toshiya	A61Q 11/00
(54) PREPARATION OF POLYMER	MARUI Shinta	A61C 19/06
COMPOSITIONS CONTAINING	KONO Hiroyuki	A61K 8/81
PHOSPHATES	(31) 2015228708	(11) EP3774944
(73) Rohm and Haas Company	(32) 24.11.2015	(21) EP19724525.1
(72) ROHRBACH, William	(33) Japan	(47) 13.04.2022
(31) 201662398283 P	(51) C08F 118/08	(87) EP2019063074
(32) 22.09.2016	C08J 3/24	02.01.2020
(33) United States of America	C08F 261/04	(22) 21.05.2019
(51) C08F 8/00	C08L 31/04	(54) A NOVEL POLYMER, A COMPOSITION,
C08F 2/38	C08L 29/04	A METHOD AND A KIT FOR
C08F 12/08	C08F 8/12	WHITENING TEETH
C09D 125/18	(11) EP3632937	(73) Unilever IP Holdings B.V.
C08F 8/02	(21) EP18198633.2	(72) LIU, Shiyong
H01L 21/32	(47) 13.04.2022	YAO, Chenzhi
H01L 21/02	(22) 04.10.2018	YANG, Xiaoxia
(11) EP3559053	(54) HYDRAULIC BINDING AGENT FOR	VAIDYA, Ashish, Anant
(21) EP17835663.0	POLYMERS AND METHOD FOR	LAHORKAR, Praful, Gulab, Rao
(47) 13.04.2022	PRODUCTION OF THE SAME	GHATLIA, Naresh, Dhirajlal
(87) EP2017083514	(73) Amelotec Ltd.	(31) PCT/CN2018/092902
28.06.2018	(72) de Jong, Frits Pieter Eduard Anton	18185765
(22) 19.12.2017	(51) C08F 210/16	(32) 26.06.2018
(54) COMPOSITIONS AND PROCESSES	C08F 4/659	26.07.2018
FOR SELF-ASSEMBLY OF BLOCK	C08F 4/6592	(33) World Intellectual Property Office (WIPO)
COPOLYMERS	(11) EP3339336	European Patent Office (EPO)
(73) Merck Patent GmbH	(21) EP17756802.9	(51) C08F 220/58
(72) WU, Hengpeng	(47) 13.04.2022	C08F 8/32
BASKARAN, Durairaj	(87) KR2017001952	A61Q 5/12
SHAN, Jianhui	31.08.2017	(11) EP3655447
KIM, Jihoon	(22) 22.02.2017	(21) EP18737635.5
RAHMAN, Md S	(54) OLEFIN POLYMER AND PREPARATION	(47) 13.04.2022
(31) 201662437426 P	METHOD THEREOF	(87) EP2018069068
(32) 21.12.2016	(73) LG Chem, Ltd.	24.01.2019
(33) United States of America	(72) KWON, Heon Yong	(22) 13.07.2018
(51) C08F 8/42	CHO, Sol	(54) A POLYMER FOR TREATING HAIR
C08F 8/46	LEE, Myung Han	(73) BASF SE
C08F 8/48	KWON, Hyun Jee	(72) MAURI, Antonietta
C08F 255/02	LEE, Ki Soo	KEIE, Petra
C08L 23/12	KWON, Oh Joo	NESVADBA, Peter
C08J 3/24	HONG, Dae Sik	TONHAUSER, Christoph
(11) EP3394163	PARK, Sung Hyun	SCHWARTZ, Veronique
(21) EP16879956.7	(31) 20160022085	ENCK, Sebastian
(47) 13.04.2022	(32) 24.02.2016	(31) 17181841
(87) US2016067709	(33) Korea (Republic)	(32) 18.07.2017
29.06.2017	(51) C08F 212/08	(33) European Patent Office (EPO)
(22) 20.12.2016	C08F 220/58	(51) C08G 8/00
(54) ONE-POT PROCESS FOR PREPARING	(11) EP3469009	B27N 1/00
LONG-CHAIN BRANCHED	(21) EP17730104.1	B29C 43/00
POLYOLEFINS	(47) 13.04.2022	C08G 12/00
(73) Braskem America, Inc.	(87) EP2017063879	C08L 1/00
(72) SHIN, Sangyoung	14.12.2017	C09J 179/02
DATASHVILI, Tea	(22) 07.06.2017	C08L 61/00
GALLASCHUN, Cassandra L.	(54) SOLID SUPPORT	(11) EP2928936
ZHANG, Songsheng	(73) Thermo Fisher Scientific GENEART	(21) EP13799065.1
(31) 201562270374 P	GmbH	(47) 13.04.2022
(32) 21.12.2015	Life Technologies AS	(87) EP2013075378
(33) United States of America	(72) ANDERSSON, Kristian	12.06.2014
(51) C08F 110/06	HEIL, Korbinian	(22) 03.12.2013
(11) EP3381952	FONNUM, Geir	(54) BINDER
(21) EP16868326.6	(31) 201609983	(73) Knauf Insulation, LLC

Knauf Insulation SPRL	C08G 18/16	(54) POLYURETHANE FOAMS BASED ON
(72) PACOREL, Bénédicte	C08G 18/18	POLYETHER CARBONATE POLYOLS
(31) 201221873	C08G 18/20	(73) Covestro Intellectual Property GmbH &
(32) 05.12.2012	C08G 18/24	Co. KG
(33) United Kingdom	C08G 18/28	(72) LINDNER, Stefan
(51) C08G 18/48	C08G 101/00	HILKEN, Persefoni
A61Q 19/08	(11) EP3765541	(31) 18189170
A61K 8/87	(21) EP19712481.1	18160391
C08G 18/66	(47) 13.04.2022	(32) 15.08.2018
C08G 18/73	(87) US2019021425	07.03.2018
C08G 18/75	19.09.2019	(33) European Patent Office (EPO)
C09D 175/04	(22) 08.03.2019	European Patent Office (EPO)
C08G 18/32	(54) FLEXIBLE POLYURETHANE FOAM	(51) C08G 65/336
A61K 9/00	HAVING PROLONGED RECOVERY	C09J 11/06
A61K 9/70	TIME	C09J 171/02
A61K 8/34	(73) Dow Global Technologies LLC	C09J 183/12
A61K 8/368	(72) KAGA, An N.	(11) EP3594261
A61K 8/42	LI PI SHAN, Colin	(21) EP17900101.1
A61K 8/49	KATEPALLI, Hari	(47) 13.04.2022
A61K 8/64	BARNES, Kathleen	(87) JP2017018324
A61K 8/73	HARRIS, William J.	13.09.2018
A61Q 19/02	DERMODY, Daniel L.	(22) 16.05.2017
A61K 47/34	AOU, Kaoru	(54) POLYOXYALKYLENE GROUP-
(11) EP3212688	MENG, Qinghao	CONTAINING ORGANOSILICON
(21) EP15794687.2	(31) 201862642355 P	COMPOUND AND METHOD FOR
(47) 13.04.2022	(32) 13.03.2018	PRODUCING SAME
(87) US2015057084	(33) United States of America	(73) Shin-Etsu Chemical Co., Ltd.
06.05.2016	(51) C08G 18/48	(72) YAMADA, Tetsuro
(22) 23.10.2015	C08G 18/76	HIROKAMI, Munenao
(54) THERMOPLASTIC POLYURETHANE	C08G 18/42	(31) 2017044909
FILM FOR DELIVERY OF ACTIVE	C08G 18/44	(32) 09.03.2017
AGENTS TO SKIN SURFACES	C08G 18/30	(33) Japan
(73) Lubrizol Advanced Materials, Inc.	(11) EP3762437	(51) C08G 75/02
(72) WALDER, Anthony J.	(21) EP19706687.1	C08G 65/00
CEBRIAN PUCHE, Juan	(47) 13.04.2022	C08G 75/14
MARTIN, Mireia	(87) EP2019054814	C08L 81/00
LANKOWSKI, Shawn	12.09.2019	C08L 81/04
MARCHANT, Nancy S.	(22) 27.02.2019	C08J 5/00
KULKARNI, Pallavi	(54) A PREPARATION COMPRISING	C08K 5/00
MENDEZ, Sandra	THERMOPLASTIC POLYISOCYANATE	C08G 75/04
BASONE, Paul M.	POLYADDITION PRODUCT, A	C08L 81/02
(31) 201562220552 P	PROCESS FOR PREPARING THE	(11) EP2980121
201462073314 P	SAME AND USE THEREOF	(21) EP14774358.7
(32) 18.09.2015	(73) BASF SE	(47) 13.04.2022
31.10.2014	(72) HARTWIG, Sebastian	(87) JP2014057739
(33) United States of America	BROKERING, Sandra	02.10.2014
United States of America	POESEL, Elmar	(22) 20.03.2014
(51) C08G 18/48	LAMMERS, Fin	(54) METHOD FOR PRODUCING
C08G 18/28	RICHTER, Sebastian	POLYARYLENE SULFIDE RESIN,
(11) EP3538582	POPPENBERG, Johannes	AND POLYARYLENE SULFIDE RESIN
(21) EP17808260.8	KATHMANN, Alisha	COMPOSITION
(47) 13.04.2022	(31) 18160299	(73) DIC Corporation
(87) US2017061064	(32) 06.03.2018	(72) WATANABE, Hajime
17.05.2018	(33) European Patent Office (EPO)	HINOKIMORI, Toshio
(22) 10.11.2017	(51) C08G 18/76	(31) 2013062042
(54) EMULSIFIERS FOR POLYURETHANE	C08G 18/16	(32) 25.03.2013
BASED FOAM	C08G 18/18	(33) Japan
(73) Evonik Operations GmbH	C08G 18/24	(51) C08G 77/26
(72) BANSEBERG, Udo	C08G 18/32	C08G 77/388
BRANDL, Christian	C08G 18/44	C08L 83/08
AL-RASHID, Jennifer Elizabeth Antoline	C08G 101/00	D06M 15/643
BRITTON, Stephanie Lynne	(11) EP3762441	C08G 77/44
(31) 201662420658 P	(21) EP19707034.5	C08G 77/46
(32) 11.11.2016	(47) 13.04.2022	C08L 83/10
(33) United States of America	(87) EP2019055284	C08L 83/12
(51) C08G 18/48	12.09.2019	(11) EP3790923
C08G 18/64	(22) 04.03.2019	(21) EP18940757.0
C08G 18/76		(47) 13.04.2022

(87) CN2018116374 28.05.2020	(54) FILM COMPRISING HYDROPHOBIZED CELLULOSE FIBERS AND OIL	UCHIDA, Yoshiaki OKU, Keisuke
(22) 20.11.2018	(73) Kao Corporation	(31) 2018008560
(54) BLOCK-MODIFIED POLYSILOXANE AND COMPOSITIONS FORMED THEREOF	(72) OHSAKI, Kouji TSUBOI, Takuma HASEGAWA, Yoshinori	(32) 23.01.2018 (33) Japan
(73) Wacker Chemie AG	(31) 2017043304	(51) C08J 11/26 C08J 11/28 B29B 17/02
(72) TIAN, Shuai YANG, Heng SUN, Zhongliang	(32) 07.03.2017 (33) Japan	(11) EP3736306
(51) C08G 85/00	(51) C08J 7/04	(21) EP20175657.4
B01J 19/18	B32B 27/20	(47) 13.04.2022
B01J 19/24	B32B 27/36	(22) 07.09.2017
C08G 65/40	C08K 5/00	(54) RECOVERY OF FIBERS FROM FIBER REINFORCED POLYMERS WITH LEWIS BASES
C08G 75/0277	C08K 5/08	(73) The Boeing Company
C08G 75/0281	B05D 7/04	(72) DAVIS, James Hillard JR DALAL, Hardik
B01J 19/00	B32B 7/00	RODRIGUEZ, April R.
C08G 75/025	(11) EP2935422	NELSON, Ashley M.
C08G 75/20	(21) EP13811197.6	VAJO, John J.
(11) EP3517563	(47) 13.04.2022	GEORGE, Panagiotis Emanuel
(21) EP18826164.8	(87) EP2013077063	GROSS, Adam F.
(47) 13.04.2022	26.06.2014	GUAN, Xin N.
(87) JP2018037915	(22) 18.12.2013	(31) 201615280471
18.04.2019	(54) MULTI-LAYER BODY MADE OF POLYCARBONATE WITH HIGH WEATHERING RESISTANCE	(32) 29.09.2016
(22) 11.10.2018	(73) Covestro Intellectual Property GmbH & Co. KG	(33) United States of America
(54) CONTINUOUS POLYMERIZATION DEVICE AND CONTINUOUS PRODUCTION METHOD FOR POLYMER	(72) MEYER, Alexander MALVESTITI, Gianmaria TARAVELLA, Vincenzo	(51) C08K 3/30 H01B 1/20 H01C 10/10
(73) Kureha Corporation	(31) RM20120656	(11) EP3861061
(72) ISHIOKA, Yuichi MIYAHARA, Michihisa SAKABE, Hiroshi SUZUKI, Kenji	(32) 20.12.2012 (33) Italy	(21) EP20722633.3
(31) 2017198714	(51) C08J 9/14	(47) 13.04.2022
(32) 12.10.2017	C08L 25/04	(87) GB2020050925
(33) Japan	(11) EP3622013	12.11.2020
(51) C08J 3/11	(21) EP18729851.8	(22) 09.04.2020
C08J 11/08	(47) 13.04.2022	(54) FORCE OR PRESSURE SENSING COMPOSITE MATERIAL
C09D 125/06	(87) US2018032048	(73) HILSUM, Cyril
C08K 3/013	15.11.2018	(72) HILSUM, Cyril
(11) EP3515971	(22) 10.05.2018	(31) 201906257
(21) EP17851960.9	(54) Z-HFO-1336MZZ BLOWING AGENT BLENDS FOR FOAMING THERMOPLASTIC POLYMERS COMPRISING POLYSTYRENE	(32) 03.05.2019
(47) 13.04.2022	(73) The Chemours Company FC, LLC	(33) United Kingdom
(87) IB2017058127	(72) KONTOMARIS, Konstantinos MCRAE, Tim	(51) C08L 7/00 B60C 1/00 C08K 3/04 C08K 3/36 C08K 5/10 C08L 15/00
12.07.2018	(31) 201762504261 P	(11) EP3640290
(22) 19.12.2017	(32) 10.05.2017	(21) EP18817584.8
(54) PROCESS FOR FABRICATION OF PAINTS BASED ON EXPANDED POLYSTYRENE (EPS) WASTE	(33) United States of America	(47) 13.04.2022
(73) Acuña Rougier, Cristina Lucía Cifuentes Eaglehurst, Constanza Catalina De Lourde	(51) C08J 9/26	(87) JP2018021642
(72) Acuña Rougier, Cristina Lucía Cifuentes Eaglehurst, Constanza Catalina De Lourde	C08J 5/18 C08J 9/28 B29C 39/00 B29C 67/20 C08F 2/22	20.12.2018
(31) 13 201700	(11) EP3744773	(22) 06.06.2018
(32) 04.01.2017	(21) EP19744508.3	(54) RUBBER COMPOSITION FOR TIRE TREAD, AND TIRE
(33) Chile	(47) 13.04.2022	(73) Bridgestone Corporation
(51) C08J 5/00	(87) JP2019001729	(72) KAJIKI, Ryo
C08J 5/04	01.08.2019	(31) 2017118323
C08J 5/22	(22) 21.01.2019	(32) 16.06.2017
(11) EP3594301	(54) METHOD FOR PRODUCING POROUS MOLDED ARTICLE	(33) Japan
(21) EP18764409.1	(73) FUJIFILM Corporation	(51) C08L 15/00 C08K 3/36 C08K 5/548 B60C 1/00
(47) 13.04.2022	(72) YABU, Hiroshi	(11) EP3255089
(87) JP2018008618	ITO, Koju	(21) EP16752415.6
13.09.2018		
(22) 06.03.2018		

(47) 13.04.2022	(22) 17.11.2020	16.10.2012
(87) JP2016054214	(54) HETEROPHASIC PROPYLENE	(33) Japan
25.08.2016	POLYMER MATERIAL AND USE OF	Japan
(22) 15.02.2016	THE SAME	(51) C08L 29/14
(54) RUBBER COMPOSITION FOR TYRES,	(73) SUMITOMO CHEMICAL COMPANY,	C08K 5/12
AND PNEUMATIC TYRE	LIMITED	C08K 5/15
(73) Sumitomo Rubber Industries, Ltd.	(72) TAKAHASHI, Shun	C08J 5/18
(72) YOKOYAMA, Yuka	YANAGISAWA, Masahiro	(11) EP3230374
(31) 2015030856	(31) 2020153210	(21) EP15868036.3
(32) 19.02.2015	2019233317	(47) 13.04.2022
(33) Japan	(32) 11.09.2020	(87) US2015063933
(51) C08L 23/06	24.12.2019	16.06.2016
C08L 23/08	(33) Japan	(22) 04.12.2015
H01B 3/44	Japan	(54) MULTIPLE LAYER INTERLAYER
C08K 3/22	(51) C08L 23/14	HAVING IMPROVED OPTICAL AND
C08K 3/34	C08F 210/06	SOUND INSULATION PROPERTIES
C08K 5/14	(11) EP3645628	(73) Solutia Inc.
C08L 71/02	(21) EP18738216.3	(72) CHEN, Wenjie
C08K 3/013	(47) 13.04.2022	SCHILLING, Curtis, Louis, III
C08F 2/02	(87) EP2018067067	HURLBUT, Jeffrey, B.
C08F 2/38	03.01.2019	CUI, Weihong
(11) EP3212709	(22) 26.06.2018	LU, Jun
(21) EP15785114.8	(54) POLYPROPYLENE COMPOSITION	D'ERRICO, John, Joseph
(47) 13.04.2022	FOR THE PRODUCTION OF HIGH	LI, Zhou
(87) EP2015074821	PRESSURE PIPES	(31) 201414563622
06.05.2016	(73) Borealis AG	(32) 08.12.2014
(22) 27.10.2015	Abu Dhabi Polymers Co. Ltd (Borouge)	(33) United States of America
(54) POLYMER COMPOSITION AND CABLE	LLC.	(51) C08L 67/02
WITH ADVANTAGEOUS ELECTRICAL	(72) INEPEKOGLOU, Ioannis	C08L 67/04
PROPERTIES	FANG, Dongyu	(11) EP3328941
(73) Borealis AG	TYNYS, Antti Tapio	(21) EP16753852.9
(72) SMEDBERG, Annika	(31) 201710503983	(47) 13.04.2022
HAGSTRAND, Per-Ola	(32) 27.06.2017	(87) EP2016068237
NILSSON, Ulf	(33) China	09.02.2017
ENGLUND, Villgot	(51) C08L 27/16	(22) 29.07.2016
(31) 14190492	C08J 5/18	(54) POLYMER COMPOSITION FOR THE
(32) 27.10.2014	C08K 3/20	MANUFACTURE OF THERMOFORMED
(33) European Patent Office (EPO)	G02B 3/14	ARTICLES
(51) C08L 23/08	G02B 26/00	(73) Novamont S.p.A.
C08L 53/02	G02B 26/02	(72) RALLIS, Angelos
C08L 83/10	G02F 1/19	NICOLINI, Matteo
C09K 21/14	H01G 4/18	(31) UB20152688
(11) EP3665222	(11) EP2910604	(32) 31.07.2015
(21) EP18756069.3	(21) EP13848067.8	(33) Italy
(47) 13.04.2022	(47) 13.04.2022	(51) C08L 69/00
(87) US2018044535	(87) JP2013078073	C08K 5/51
14.02.2019	24.04.2014	C08L 71/02
(22) 31.07.2018	(22) 16.10.2013	G02B 1/04
(54) COMPOSITIONS COMPRISING	(54) HIGH DIELECTRIC FILM	(11) EP3070124
BROMINATED POLYMERIC FLAME	(73) Daikin Industries, Ltd.	(21) EP14859644.8
RETARDANT	(72) OTA Mihar	(47) 13.04.2022
(73) Dow Global Technologies LLC	NAKAMURA Hisako	(87) JP2014079762
(72) SCHEID Jr., Robert Emmett	KITAHARA Takahiro	14.05.2015
GHOSH-DASTIDAR, Abhijit	KINOSHITA Masakazu	(22) 10.11.2014
DREUX, Peter C.	HAZAMA Takeshi	(54) POLYCARBONATE RESIN
MUNDRA, Manish K.	FUKATANI Tomoyuki	COMPOSITION
CHAUDHARY, Bharat I.	IGUCHI Takashi	(73) Idemitsu Kosan Co., Ltd.
(31) 201762543558 P	KOMATSU Nobuyuki	(72) TAKIMOTO, Masami
(32) 10.08.2017	SHIGENAI Fumiko	NAKAE, Mitsugu
(33) United States of America	ISHIKAWA Takuji	(31) 2013233429
(51) C08L 23/12	TATEMACHI Mayuko	(32) 11.11.2013
C08F 2/00	YOKOTANI Kouji	(33) Japan
C08F 10/06	UCHIDA Kazunobu	(51) C08L 71/12
C08F 110/06	KODANI Tetsuhiro	C08K 3/00
C08F 210/06	KOH Meiten	C08K 5/00
(11) EP3842489	(31) 2013007606	C08K 7/02
(21) EP20208003.2	2012228973	C08L 81/02
(47) 13.04.2022	(32) 18.01.2013	C08L 81/06

C08L 71/00	02.06.2016	HASHIGUCHI Taichi
(11) EP3448935	(22) 21.10.2015	KOBAYASHI Nagatoshi
(21) EP17720773.5	(54) ONE-PACK ADDITION CURABLE	(31) 2013159030
(47) 13.04.2022	SILICONE COMPOSITION, METHOD	(32) 31.07.2013
(87) EP2017060220	FOR STORING SAME, AND METHOD	(33) Japan
02.11.2017	FOR CURING SAME	(51) C09C 1/46
(22) 28.04.2017	(73) Shin-Etsu Chemical Co., Ltd.	C09C 1/56
(54) COMPATIBILIZED POLYMER	(72) MASUDA, Kohei	C09C 1/48
COMPOSITIONS	KITAZAWA, Keita	C01B 32/174
(73) Solvay Specialty Polymers USA, LLC	(31) 2014237302	C01B 32/194
(72) BUSHELMAN, Corinne	(32) 25.11.2014	B82Y 30/00
SATTICH, William E	(33) Japan	B82Y 40/00
JEOL, Stéphane	(51) C08L 83/14	C07D 303/30
MOMTAZ, Maryam	C08K 5/548	C09D 5/08
(31) 201662329522 P	(11) EP3717568	C07F 7/18
16187800	(21) EP18803974.7	(11) EP2864426
(32) 29.04.2016	(47) 13.04.2022	(21) EP13722219.6
08.09.2016	(87) EP2018081485	(47) 13.04.2022
(33) United States of America	06.06.2019	(87) US2013038852
European Patent Office (EPO)	(22) 16.11.2018	27.12.2013
(51) C08L 75/06	(54) SILANE MIXTURES AND PROCESS	(22) 30.04.2013
C08G 18/65	FOR PREPARING SAME	(54) TUNABLE MATERIALS
C08G 18/73	(73) Evonik Operations GmbH	(73) Tesla Nanocoatings, Inc.
C08J 5/18	(72) KÖPFER, Alexander	(72) VIRTANEN, Jorma
C08K 5/00	HASSE, Andre	(31) 20120198
C08K 5/17	RÖBEN, Caren	201361850561 P
C08G 18/32	FORSTER, Frank	(32) 21.06.2012
C08G 18/44	(31) 102017221272	20.02.2013
C08G 18/66	(32) 28.11.2017	(33) Finland
C08K 5/134	(33) Germany	United States of America
C08K 5/1575	(51) C08L 89/00	(51) C09D 4/00
C08K 5/3435	C09J 179/08	C08F 265/04
C08K 5/3475	C09J 177/12	C09D 151/00
C08K 5/3492	C08K 5/1545	(11) EP3642285
C08K 13/00	C08K 5/21	(21) EP18745727.0
(11) EP3587496	(11) EP2785809	(47) 13.04.2022
(21) EP18757434.8	(21) EP12791815.9	(87) US2018038708
(47) 13.04.2022	(47) 13.04.2022	27.12.2018
(87) JP2018005841	(87) EP2012074129	(22) 21.06.2018
30.08.2018	06.06.2013	(54) AQUEOUS DISPERSION OF
(22) 20.02.2018	(22) 30.11.2012	POLYMERIC PARTICLES HAVING
(54) THERMOPLASTIC POLYURETHANE	(54) AQUEOUS BINDER COMPOSITION	CORE-SHELL STRUCTURE, THE
RESIN COMPOSITION AND	(73) Rockwool International A/S	PREPARATION THEREOF AND THE
MOLDED BODY USING SAID RESIN	(72) NAERUM, Lars	COATING FORMED THEREFROM
COMPOSITION	HANSEN, Erling Lennart	(73) Guangdong Huarun Paints Co., Ltd.
(73) Tosoh Corporation	NISSIN, Povl	(72) ZHAO, Xi
(72) KOIDE Kazuhiro	BARTNIK JOHANSSON, Dorte	CHEN, Xiaorui
YOKOTA Hiroei	(31) 11191809	DUAN, Gang
(31) 2018014969	(32) 02.12.2011	(31) 201710475589
2017034694	(33) European Patent Office (EPO)	(32) 21.06.2017
(32) 31.01.2018	(51) C09B 67/20	(33) China
27.02.2017	C09D 11/03	(51) C09D 5/02
(33) Japan	C09D 11/037	(11) EP3484964
Japan	C09D 11/08	(21) EP17748971.3
(51) C08L 83/07	C09B 67/04	(47) 13.04.2022
C08K 3/08	C09B 67/22	(87) US2017041858
C08K 3/22	C08K 5/3417	18.01.2018
C08K 3/28	(11) EP2927286	(22) 13.07.2017
C08K 5/53	(21) EP14832978.2	(54) LATEX COATING COMPOSITION
C08K 5/5419	(47) 13.04.2022	HAVING REDUCED FLAVOR
C08L 83/05	(87) JP2014058813	SCALPING PROPERTIES
C08L 83/06	05.02.2015	(73) SWIMC LLC
C08G 77/12	(22) 27.03.2014	(72) RIDDLE, David M.
C08G 77/20	(54) PHTHALOCYANINE PIGMENT	SCANDOLARI, Mary Jo
(11) EP3225662	COMPOSITION, METHOD FOR	HUYNH, Nhan T.
(21) EP15863390.9	MANUFACTURING SAME, AND INK	O'BRIEN, Robert M.
(47) 13.04.2022	(73) DIC Corporation	STUETELBERG Mark
(87) JP2015079667	(72) OTAKE Hidehiro	PUAUD, Samuel

RIAZZI, Arthur	Centre National de la Recherche	(21) EP19763099.9
KOCH, Nikolaus J.	Scientifique	(47) 13.04.2022
(31) 201662362729 P	(72) GUNAY, Ufuk Saim	(87) IB2019055304
(32) 15.07.2016	GIGMES, Didier	02.01.2020
(33) United States of America	LUTZ, Jean-François	(22) 24.06.2019
(51) C09D 5/02	CHARLES-COULIBEU, Laurence	(54) EDGE DETACKIFICATION AND
C09D 7/43	(31) 16169683	DECORATION OF ADHESIVE TAPE
C09D 7/44	(32) 13.05.2016	ROLLS
C09D 7/61	(33) European Patent Office (EPO)	(73) 3M Innovative Properties Company
C09D 7/63	(51) C09D 133/12	(72) HOLBROOK, Matthew T.
C09D 7/40	C08F 2/38	GUNDALE, Jeremy P.
(11) EP3467052	(11) EP3374454	(31) 201862690054 P
(21) EP17195099.1	(21) EP16794859.5	(32) 26.06.2018
(47) 13.04.2022	(47) 13.04.2022	(33) United States of America
(22) 06.10.2017	(87) US2016059475	(51) C09J 7/29
(54) AQUEOUS DISPERSION CONTAINING	18.05.2017	C09J 133/06
SILICON DIOXIDE AND TRIMETHYL	(22) 28.10.2016	(11) EP3789466
1.6-HEXAMETHYLENDIAMINE	(54) AQUEOUS LATEX-BASED COATING	(21) EP20197262.7
(73) Evonik Operations GmbH	COMPOSITIONS	(47) 13.04.2022
(72) HERRWERTH, Sascha	(73) Celanese International Corporation	(22) 17.02.2016
MICHAEL, Günther	(72) JUNK, Matthias	(54) DOUBLE COATED TAPE
BAUERMANN, Peter	FICHTNER, Thomas	(73) 3M Innovative Properties Company
(51) C09D 5/08	KRIEGER, Stephan	(72) ROTHER, Christopher J.
(11) EP3535334	(31) 201562254439 P	KIM, You Hoon
(21) EP17805034.0	(32) 12.11.2015	CHEN, Zhong
(47) 13.04.2022	(33) United States of America	MA, Jingjing
(87) US2017060067	(51) C09J 5/00	KLOPP, Peter J.
11.05.2018	C09J 133/12	DEODHAR, Sarang V.
(22) 04.11.2017	(11) EP2917297	BLUEM, Gregory L.
(54) CORROSION INHIBITING COATING	(21) EP13863445.6	(31) 201562121967 P
ADDITIVE	(47) 13.04.2022	(32) 27.02.2015
(73) Battelle Memorial Institute	(87) US2013074378	(33) United States of America
(72) LALGUDI, Ramanathan S.	19.06.2014	(51) C09J 7/30
JAMES, Joshua P.	(22) 11.12.2013	(11) EP3565863
(31) 201662417578 P	(54) BONDING OF SUBSTRATES INDUCED	(21) EP17811604.2
(32) 04.11.2016	BY IONIZING RADIATION	(47) 13.04.2022
(33) United States of America	(73) Immunolight, LLC.	(87) EP2017082224
(51) C09D 11/328	(72) FATHI, Zakaryae	12.07.2018
D06P 1/39	(31) 201261735754 P	(22) 11.12.2017
D06P 5/30	(32) 11.12.2012	(54) ADHESIVE TAPE, PARTICULARLY
(11) EP3753988	(33) United States of America	WRAPPING TAPE
(21) EP20180435.8	(51) C09J 5/06	(73) Certoplast Technische Klebebänder
(47) 13.04.2022	C09J 175/06	GmbH
(22) 17.06.2020	C09J 175/08	(72) LEERMANN, Timo
(54) AQUEOUS INK COMPOSITION FOR	C09J 7/20	(31) 202017100009 U
INK JET TEXTILE PRINTING AND	C08G 18/08	(32) 03.01.2017
TEXTILE PRINTING METHOD	C08G 18/42	(33) Germany
(73) Seiko Epson Corporation	C08G 18/70	(51) C09J 7/50
(72) MARUYAMA, Hiroaki	C08G 18/79	C08G 18/50
KOMATSU, Hidehiko	C09J 7/25	C08G 18/58
WAKUSHIMA, Yuki	C09J 7/35	C08G 18/72
(31) 2019113620	(11) EP3478782	C08G 18/73
(32) 19.06.2019	(21) EP17734322.5	C08G 18/76
(33) Japan	(47) 13.04.2022	C08G 18/77
(51) C09D 125/06	(87) EP2017066294	C08G 18/79
C08G 71/04	04.01.2018	C08G 18/80
C08J 5/18	(22) 30.06.2017	C08G 18/28
C08L 25/06	(54) THERMALLY ACTIVATABLE LATENT	C08G 18/32
(11) EP3455279	REACTIVE ADHESIVE FILM	C08G 18/38
(21) EP17721756.9	(73) Lohmann GmbH & Co. KG	C08L 67/00
(47) 13.04.2022	(72) SEGSCHEIDER, Daniela	C09J 175/02
(87) EP2017061375	KOPF, Patrik	C08G 18/30
16.11.2017	BUSCH, Christian	C09J 7/20
(22) 11.05.2017	(31) 102016007914	(11) EP3529290
(54) UNIFORM SEQUENCE-DEFINED	(32) 30.06.2016	(21) EP17794116.8
POLYURETHANES AND USES	(33) Germany	(47) 13.04.2022
THEREOF AS MOLECULAR LABELS	(51) C09J 7/00	(87) US2017054690
(73) Université d'Aix-Marseille	(11) EP3814439	26.04.2018

(22) 02.10.2017	G06F 17/10	C10N 40/25
(54) ALDIMINE CONTAINING GLASS BONDING PRIMER	C08F 220/18	(11) EP3615641
(73) Dow Global Technologies LLC	C09J 133/04	(21) EP18724139.3
(72) SOPHIEA, Daniel P.	G01N 3/08	(47) 13.04.2022
WEISHUHN, Jamie M.	H01L 51/00	(87) EP2018059960
MALVADKAR, Niranjana	(11) EP3543309	01.11.2018
(31) 201662409454 P	(21) EP18854897.8	(22) 18.04.2018
(32) 18.10.2016	(47) 13.04.2022	(54) USE OF A DISPERSANT IN A LUBRICATING COMPOSITION
(33) United States of America	(87) KR2018009727	(73) Shell Internationale Research Maatschappij B.V.
(51) C09J 123/12	14.03.2019	(72) SPIKES, Hugh, Alexander
C09J 11/08	(22) 23.08.2018	MORGAN, Neal, Matthew
(11) EP2999760	(54) METHOD FOR SELECTING ADHESIVE WITH EXCELLENT FOLDING STABILITY	SOUTHBY, Mark, Clift
(21) EP14734311.5	(73) LG Chem, Ltd.	KONTOU, Artemis
(47) 13.04.2022	(72) PARK, Hyon Gyu	(31) 17168538
(87) US2014039041	KWON, Yoonkyung	(32) 27.04.2017
27.11.2014	LEE, Hyunsup	(33) European Patent Office (EPO)
(22) 21.05.2014	SONG, Hee	(51) C10M 163/00
(54) HOT MELT ADHESIVE BASED ON LOW MELTING POINT POLYPROPYLENE HOMOPOLYMERS	LEE, Myunghan	C10M 169/04
(73) Bostik, Inc.	(31) 20170116016	(11) EP3124581
(72) HAMANN, Richard	(32) 11.09.2017	(21) EP16179973.9
RACHOW, Lianne	(33) Korea (Republic)	(47) 13.04.2022
(31) 201361855775 P	(51) C09K 5/14	(22) 18.07.2016
(32) 23.05.2013	C04B 28/14	(54) DISPERSANT ADDITIVES AND ADDITIVE CONCENTRATES AND LUBRICATING OIL COMPOSITIONS CONTAINING SAME
(33) United States of America	(11) EP3458540	(73) Infineum International Limited
(51) C09J 133/04	(21) EP17730839.2	(72) MILLINGTON, James
(11) EP3665235	(47) 13.04.2022	STRANGE, Gareth
(21) EP18738422.7	(87) FR2017051153	FITTER, Claire
(47) 13.04.2022	23.11.2017	HOBIN, Peter
(87) US2018040023	(22) 12.05.2017	OBEROI, Sonia
14.02.2019	(54) PHASE-CHANGE MATERIAL FOR STORING THERMAL ENERGY, MANUFACTURING METHOD AND USES OF SUCH A MATERIAL	HU, Gang
(22) 28.06.2018	(73) CY Cergy Paris Université	EMERT, Jacob
(54) WATER-BASED ADHESIVE COMPOSITIONS AND METHODS OF MAKING SAME	(72) LEDESERT, Béatrice	CATANI, Alessandra
(73) Rohm and Haas Company	HEBERT, Ronan	(31) 201514813257
(72) PISONI, Pierluigi	HARLE, Thibault	(32) 30.07.2015
D'IGNOTI, Vincenzo	MELINGE, Yannick	(33) United States of America
FRASCONI, Marco	NGUYEN, Tran Minh Giao	(51) C10M 169/04
(31) 201700091909	(31) 1654431	C10M 171/00
(32) 08.08.2017	(32) 18.05.2016	C10M 107/34
(33) Italy	(33) France	(11) EP3762476
(51) C09J 183/04	(51) C10B 53/07	(21) EP19712343.3
B32B 7/12	C10B 47/44	(47) 13.04.2022
B32B 27/08	C10B 57/04	(87) US2019020473
B32B 27/28	C10B 57/06	12.09.2019
(11) EP3583183	C09C 1/48	(22) 04.03.2019
(21) EP18704953.1	B29B 17/04	(54) LUBRICANT AND REFRIGERANT COMPOSITIONS COMPRISING POLYALKYLENE GLYCOLS AND USES THEREOF
(47) 13.04.2022	(11) EP3798285	(73) Shrieve Chemical Products, Inc.
(87) EP2018053141	(21) EP19734496.3	(72) DIXON, Elizabeth
23.08.2018	(47) 13.04.2022	SEETON, Christopher
(22) 08.02.2018	(87) IB2019000374	(31) 201862639187 P
(54) MULTILAYER COMPOSITE CONTAINING PEEK FILMS AND A PRESSURE SENSITIVE ADHESIVE.	24.10.2019	(32) 06.03.2018
(73) TESA SE	(22) 05.03.2019	(33) United States of America
(72) BELOV, Nikolay	(54) METHOD OF OBTAINING CARBON-CONTAINING MATERIAL FROM RECYCLABLE TIRES AND/OR RUBBER PRODUCTS	(51) C11D 1/72
WINKLER, Tobias	(73) Teplitsky, Alexander	C11D 3/36
EGGER, Michael	(72) TEPLITSKY, Alexander	C11D 3/37
BAMBERG, Alexander	DZYURA, Evgeniy Antonovich	(11) EP3790951
MAATZ, Gero	(31) 201804242	(21) EP19728778.2
(31) 102017202621	(32) 18.04.2018	(47) 13.04.2022
(32) 17.02.2017	(33) Ukraine	(87) US2019029043
(33) Germany	(51) C10M 141/10	14.11.2019
(51) C09J 201/00	C10N 30/06	(22) 25.04.2019
G01N 3/20		

(54) AUTOMATIC DISHWASHING COMPOSITION WITH DISPERSANT POLYMER	26.03.2020	(87) US2016051781 23.03.2017
(73) Dow Global Technologies, LLC Rohm and Haas Company	(22) 18.09.2019	(22) 14.09.2016
(72) BACKER, Scott PULUKKODY, Randara FERRIEUX, Severine	(54) DEVICE FOR DISPENSING MICROBEADS FOR CELL SONOPORATION	(54) METHODS RELATING TO ACTIVATED DENDRITIC CELL COMPOSITIONS FOR SUBJECTS WITH ADVANCED CANCERS
(31) 18290055	(73) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) Universite d'Orleans	(73) NorthWest Biotherapeutics, Inc.
(32) 09.05.2018	(72) LEBERTRE, Matthias	(72) BOSCH, Marnix, L.
(33) European Patent Office (EPO)	DELALANDE, Anthony	(31) 201562219058 P
(51) C11D 3/20	PICHON, Chantal	(32) 15.09.2015
C11D 3/24	DELALANDE, Michaël	(33) United States of America
C11D 3/33	(31) 1858385	(51) C12N 9/22
C11D 3/34	(32) 18.09.2018	C12N 15/62
C11D 3/32	(33) France	(11) EP3730610
C11D 7/32	(51) C12M 3/00	(21) EP19171002.9
C11D 7/26	C12M 1/22	(47) 13.04.2022
C11D 11/00	C12M 1/12	(22) 25.04.2019
(11) EP3589723	C12M 1/34	(54) MODIFIED CAS9 SYSTEM AND ITS USE FOR IMPROVED GENE EDITING
(21) EP18718951.9	C12M 1/42	(73) Albert-Ludwigs-Universität Freiburg
(47) 13.04.2022	(11) EP3464552	(72) Mussolino, Claudio
(87) US2018020408	(21) EP17726917.2	Carusillo, Antonio
07.09.2018	(47) 13.04.2022	Cathomen, Toni
(22) 01.03.2018	(87) EP2017062755	Cornu, Tatjana
(54) MECHANISM OF UREA/SOLID ACID INTERACTION UNDER STORAGE CONDITIONS AND STORAGE STABLE SOLID COMPOSITIONS COMPRISING UREA AND ACID	07.12.2017	(51) C12N 11/00
(73) Ecolab USA, Inc.	(22) 26.05.2017	A61K 47/00
(72) MIRALLES, Altony, J. BABCOCK, Meghan ANDERSON, Derrick MAN, Victor, Fuk-Pong CHRISTIAN, Paul	(54) PERFORATED PLATE	(11) EP3164487
(31) 201762465434 P	(73) Georg-August-Universität Göttingen Stiftung Öffentlichen Rechts, Universitätsmedizin	(21) EP15814870.0
(32) 01.03.2017	(72) ZIMMERMANN, Wolfram-Hubertus TIBURCY, Malte MEYER, Tim	(47) 13.04.2022
(33) United States of America	(31) 102016110328	(87) AU2015050255
(51) C12M 1/00	(32) 03.06.2016	07.01.2016
C02F 11/04	(33) Germany	(22) 19.05.2015
C12P 5/02	(51) C12N 1/14	(54) HOST-GUEST METAL ORGANIC FRAMEWORK SYSTEMS
C12P 1/00	A01N 25/30	(73) Commonwealth Scientific and Industrial Research Organisation
(11) EP2780443	A01N 25/12	(72) LIANG, Kang
(21) EP12849716.1	A01N 63/34	DOHERTY, Cara Maxwell
(47) 13.04.2022	A01P 15/00	RICCO, Raffaele
(87) CA2012050821	(11) EP2713750	FALCARO, Paolo
23.05.2013	(21) EP12789642.1	(31) 2014902560
(22) 16.11.2012	(47) 13.04.2022	(32) 03.07.2014
(54) ANAEROBIC DIGESTER SERVICE DEVICE WITH A SEPARATION CURTAIN	(87) US2012039293	(33) Australia
(73) Anaergia Inc.	29.11.2012	(51) C12N 15/10
(72) LEE, Warren Bruce THEODOULOU, Michael David JOSSE, Juan Carlos	(22) 24.05.2012	(11) EP3455355
(31) 201261595354 P	(54) STABILIZED BIOCONTROL WATER DISPERSIBLE GRANULES	(21) EP17728304.1
201161561088 P	(73) Syngenta Participations AG	(47) 13.04.2022
(32) 06.02.2012	(72) SWANSON, James Alan TYLER, Tammy	(87) US2017032719
17.11.2011	(31) 201161490334 P	16.11.2017
(33) United States of America	(32) 26.05.2011	(22) 15.05.2017
United States of America	(33) United States of America	(54) AUTOMATED AND MANUAL METHODS FOR ISOLATION OF EXTRACELLULAR VESICLES AND CO-ISOLATION OF CELL-FREE DNA FROM BIOFLUIDS
(51) C12M 1/42	(51) C12N 5/0784	(73) Exosome Diagnostics, Inc.
C12N 15/82	C12N 5/02	(72) NOERHOLM, Mikkel
(11) EP3853341	C07K 14/535	SKOG, Johan Karl Olov
(21) EP19770079.2	C07K 14/54	ENDERLE, Daniel
(47) 13.04.2022	C07K 14/57	STOLL, Georg
(87) EP2019075075	C07K 14/525	(31) 201662336203 P
	A61K 35/15	(32) 13.05.2016
	G01N 33/50	(33) United States of America
	G01N 33/569	(51) C12N 15/113
	G01N 33/68	A61K 31/713
	(11) EP3350318	A61P 35/00
	(21) EP16847253.8	A61P 35/04
	(47) 13.04.2022	(11) EP3290054

(21) EP16789510.1	SHI, Guiyang	G01N 29/24
(47) 13.04.2022	ZHOU, Dongjiao	C12N 7/00
(87) JP2016062757	HU, Zhijie	C12Q 1/04
10.11.2016	SUN, Fuxin	C12N 7/02
(22) 22.04.2016	FAN, Zihao	G01N 15/10
(54) ANTI-TUMOR AGENT SUPPRESSING OR INHIBITING ZIC5	(31) 201810986196	(11) EP3332022
(73) Japan Science and Technology Agency	(32) 28.08.2018	(21) EP16833591.7
(72) SATOW Reiko	(33) China	(47) 13.04.2022
FUKAMI Kiyoko	(51) C12P 13/04	(87) US2016044621
(31) 2015093980	(11) EP3802842	09.02.2017
(32) 01.05.2015	(21) EP19728686.7	(22) 29.07.2016
(33) Japan	(47) 13.04.2022	(54) DETECTION OF BACTERIA USING BACTERIOPHAGE
(51) C12N 15/113	(87) EP2019064627	(73) University of Pittsburgh- Of the Commonwealth System of Higher Education
C07H 21/04	12.12.2019	Duquesne University of the Holy Spirit
(11) EP3320094	(22) 05.06.2019	(72) EDGAR, Robert, Hugh
(21) EP16824926.6	(54) METHOD FOR THE PREPARATION OF AMINO BENZOIC ACID OR AN AMINO BENZOIC ACID DERIVATIVE	KELLUM, John, Alston
(47) 13.04.2022	(73) Covestro Intellectual Property GmbH & Co. KG	VIATOR, John, Andrew
(87) US2016041410	(72) KLAFFL, Simon	HEMPEL, John, D.
19.01.2017	OLF, Guenter	(31) 201562199472 P
(22) 08.07.2016	JÄGER, Gernot	(32) 31.07.2015
(54) MODULATORS OF DIACYGLYCEROL ACYLTRANSFERASE 2 (DGAT2)	KLOECKNER, Wolf	(33) United States of America
(73) Ionis Pharmaceuticals, Inc.	BEGGEL, Franz	(51) C12Q 1/6806
(72) FREIER, Susan, M.	(31) 18176433	(11) EP3559265
SWAYZE, Eric, E.	(32) 07.06.2018	(21) EP17885003.8
BHANNOT, Sanjay	(33) European Patent Office (EPO)	(47) 13.04.2022
(31) 201562191231 P	(51) C12P 19/34	(87) US2017068320
(32) 10.07.2015	C12Q 1/68	28.06.2018
(33) United States of America	C12N 15/10	(22) 22.12.2017
(51) C12N 15/86	(11) EP3699289	(54) METHOD FOR PROCESSING POLYNUCLEOTIDES
C07K 14/705	(21) EP20165344.1	(73) 10X Genomics, Inc.
(11) EP3265571	(47) 13.04.2022	(72) BENT, Zachary
(21) EP16710113.8	(22) 09.06.2015	BELGRADER, Phillip
(47) 13.04.2022	(54) SAMPLE PREPARATION FOR NUCLEIC ACID AMPLIFICATION	TERRY, Jessica Michele
(87) EP2016054602	(73) Illumina Cambridge Limited	MCDERMOTT, Geoffrey
09.09.2016	(72) KOKKO-GONZALES, Paula	HINDSON, Christopher
(22) 03.03.2016	FRASER, Louise	SAXONOV, Serge
(54) MULTIPLE VECTOR SYSTEM AND USES THEREOF	SLATTER, Andrew	MIKKELSEN, Tarjei Sigurd
(73) Fondazione Telethon	(31) 201412207	HARADA, Josephine
(72) TRAPANI, Ivana	201410196	STUELPNAGEL, John R.
COLELLA, Pasqualina	(32) 09.07.2014	LENJI, Mohammad Rahimi
AURICCHIO, Alberto	09.06.2014	RYVKIN, Paul
(31) 201562127463 P	(33) United Kingdom	MEER, Elliott
(32) 03.03.2015	United Kingdom	PRICE, Andrew D.
(33) United States of America	(51) C12Q 1/04	O'KEEFFE, Christopher Joachim
(51) C12P 7/48	G01N 33/569	GOPALAN, Vijay Kumar Sreenivasa
C12N 1/14	(11) EP3807416	PFEIFFER, Katherine
C12R 1/685	(21) EP19737863.1	(31) 201715720085
(11) EP3640337	(47) 13.04.2022	201662438341 P
(21) EP18852710.5	(87) FR2019051435	(32) 29.09.2017
(47) 13.04.2022	26.12.2019	22.12.2016
(87) CN2018123053	(22) 13.06.2019	(33) United States of America
05.03.2020	(54) METHOD FOR DETECTING BACTERIA ACCORDING TO THE GRAM SIGNAL THEREOF IN A COMPLEX SAMPLE	United States of America
(22) 24.12.2018	(73) Bioaster	(51) C12Q 1/6837
(54) METHOD FOR CONTINUOUSLY CULTURING ASPERGILLUS NIGER SEEDS AND PRODUCING CITRIC ACID USING SAME	Maat Pharma	G01N 21/25
(73) Jiangnan University	(72) DUQUENOY, Aurore	G01N 27/447
Jiangsu Guoxin Union Energy Co., Ltd	THOMAS, Vincent	(11) EP2718465
(72) LI, Youran	BELLAIS, Samuel	(21) EP12797526.6
LU, Jiawei	(31) 1855350	(47) 13.04.2022
JIN, Sai	(32) 18.06.2018	(87) US2012041732
MIAO, Maodong	(33) France	13.12.2012
ZHANG, Cheng	(51) C12Q 1/06	(22) 08.06.2012
JIANG, Xiaodong	G01N 15/14	(54) METHOD OF MAKING AN ANALYTE ARRAY
		(73) Illumina, Inc.

(72) GUNDERSON, Kevin WU, Yir-Shyuan MOON, John A. LIN, Shengrong	(51) C14C 3/06 (11) EP3740595 (21) EP19700193.6 (47) 13.04.2022 (87) EP2019050672 25.07.2019	(73) Schwartz GmbH (72) REINARTZ, Andreas (31) 102016201024 (32) 25.01.2016 (33) Germany
(31) 201161495266 P (32) 09.06.2011 (33) United States of America	(22) 11.01.2019 (54) CHROMIUM TANNING AGENTS (73) TFL Ledertechnik GmbH (72) RABE, Volker REINERS, Juergen DÖPPERT, Susanne	(51) C22C 14/00 C22F 1/18 (11) EP3759258 (21) EP18819335.3 (47) 13.04.2022 (87) GB2018053461 06.09.2019 (22) 29.11.2018 (54) A BIO-COMPATIBLE TITANIUM ALLOY OPTIMISED FOR ADDITIVE MANUFACTURING (73) Alloyed Limited (72) ALABORT MARTINEZ, Enrique (31) 201814845 201803176 (32) 12.09.2018 27.02.2018 (33) United Kingdom United Kingdom
(51) C12Q 1/6869 (11) EP3587594 (21) EP19183247.6 (47) 13.04.2022 (22) 18.12.2009 (54) PARTICLE-ASSISTED NUCLEIC ACID SEQUENCING (73) President and Fellows of Harvard College (72) Abate, Adam R. Weitz, David A. (31) 139207 P (32) 19.12.2008 (33) United States of America	(31) 18151874 (32) 16.01.2018 (33) European Patent Office (EPO) (51) C21C 5/36 C21C 5/35 C21C 5/00 C21C 1/02 C21C 1/04 (11) EP1809774 (21) EP05809117.4 (47) 13.04.2022 (87) EP2005012081 18.05.2006 (22) 11.11.2005 (54) PRODUCTION OF STAINLESS STEEL OF AISI 4XX GRADE FERRITIC STEEL IN AN AOD CONVERTER (73) SMS group GmbH (72) REICHEL, Johann (31) 102005032929 102004054871 (32) 14.07.2005 12.11.2004 (33) Germany Germany	(51) C22C 38/00 C21D 6/00 C22C 38/26 C22C 38/32 C22C 38/22 C22C 38/24 C21D 1/28 (11) EP3263732 (21) EP16755632.3 (47) 13.04.2022 (87) JP2016055660 01.09.2016 (22) 25.02.2016 (54) FERRITE-BASED HEAT-RESISTANT STEEL AND METHOD FOR PRODUCING SAME (73) National Institute for Materials Science (72) SAWADA, Kota KUSHIMA, Hideaki OHBA, Toshio KIMURA, Kazuhiro TANIUCHI, Yasushi (31) 2015039185 (32) 27.02.2015 (33) Japan
(51) C12Q 1/6876 C12N 15/11 C40B 40/06 (11) EP3676401 (21) EP18897836.5 (47) 13.04.2022 (87) JP2018047136 04.07.2019 (22) 21.12.2018 (54) A PRIMER FOR NEXT GENERATION SEQUENCER AND A METHOD FOR PRODUCING THE SAME, A DNA LIBRARY OBTAINED THROUGH THE USE OF A PRIMER FOR NEXT GENERATION SEQUENCER AND A METHOD FOR PRODUCING THE SAME, AND A DNA ANALYZING METHOD USING A DNA LIBRARY (73) TOYOTA JIDOSHA KABUSHIKI KAISHA (72) ENOKI Hiroyuki TAKEUCHI Yoshie INAMORI Minoru (31) 2017247826 (32) 25.12.2017 (33) Japan	(51) C21D 1/62 C21D 9/573 B21B 45/02 C21D 9/52 C21D 9/46 (11) EP3686291 (21) EP20153427.8 (47) 13.04.2022 (22) 23.01.2020 (54) APPARATUS AND METHOD FOR COOLING METALLIC SHEET (73) LOI Thermprocess GmbH (72) Schröder, Dominikus (31) 102019101948 (32) 25.01.2019 (33) Germany	(51) C22C 38/00 C21D 9/46 C22C 38/02 C22C 38/04 C22C 38/06 C22C 38/42 C22C 38/44 C22C 38/46 C22C 38/48 C22C 38/50 C22C 38/52 C22C 38/54 C21D 1/25 C21D 6/00 C21D 8/02 (11) EP3704280 (21) EP17809010.6 (47) 13.04.2022 (87) IB2017056865
(51) C12Q 1/6883 C12Q 1/70 (11) EP3608425 (21) EP19194614.4 (47) 13.04.2022 (22) 09.07.2015 (54) HCBI, MSBI, MSSI AND CMI SEQUENCES AS AN EARLY MARKER FOR THE FUTURE DEVELOPMENT OF CANCER AND DISEASES OF THE CNS AND AS A TARGET FOR THE TREATMENT AND PREVENTION OF THESE DISEASES (73) Deutsches Krebsforschungszentrum (72) Whitley, Corinna Pérez, Iranzu Lamberto Gunst, Karin de Villiers-zur Hausen, Ethel-Michele zur Hausen, Harald (31) 14176624 (32) 10.07.2014 (33) European Patent Office (EPO)	(51) C21D 8/00 C21D 9/00 C21D 1/19 C21D 1/60 C21D 1/613 C21D 1/62 C21D 1/667 C21D 1/673 (11) EP3408417 (21) EP17703346.1 (47) 13.04.2022 (87) EP2017051514 03.08.2017 (22) 25.01.2017 (54) HEAT TREATMENT METHOD	

09.05.2019	C21D 1/74	(54) CONTROLLING THE UNIFORMITY OF
(22) 03.11.2017	(11) EP3344793	PECVD DEPOSITION ON MEDICAL
(54) MARTENSITIC STAINLESS STEEL AND	(21) EP16763718.0	SYRINGES, CARTRIDGES, AND THE
METHOD FOR PRODUCING SAME	(47) 13.04.2022	LIKE
(73) Aperam	(87) DE2016100359	(73) SiO2 Medical Products, Inc.
(72) MOREAU, Jean-Benoît	09.03.2017	(72) WEIKART, Christopher
SANTACREU, Pierre-Olivier	(22) 11.08.2016	CLARK, Becky, L.
PARRENS, Coralie	(54) METHOD FOR PRODUCING A	BELFANCE, John
(51) C22C 38/00	CALIBRATION BODY	JONES, Joseph, A.
C22C 38/02	(73) Aktiengesellschaft der Dillinger	FISK, Thomas, E.
C22C 38/04	Hüttenwerke	STEVENSON, Adam
C22C 38/06	(72) WILD, Daniel	ABRAMS, Robert, S.
C22C 38/08	BALDAUF, Bernd	(31) 201361872481 P
C22C 38/12	RUPP, Daniel	201361800660 P
C22C 38/14	(31) 102015114831	201261747584 P
C22C 38/16	(32) 04.09.2015	201261732180 P
C22C 38/38	(33) Germany	(32) 30.08.2013
C22C 38/60	(51) C23C 14/00	15.03.2013
C23C 2/06	C23C 14/32	31.12.2012
C23C 2/28	C23C 28/00	30.11.2012
C21D 9/46	C23C 14/16	(33) United States of America
C21D 8/02	C23C 14/02	United States of America
B32B 15/01	B22F 3/105	United States of America
(11) EP2527483	B22F 5/04	United States of America
(21) EP11734789.8	B22F 9/04	(51) C23C 22/40
(47) 13.04.2022	C22C 1/04	(11) EP3385405
(87) JP2011051157	(11) EP3612660	(21) EP16869958.5
28.07.2011	(21) EP18719140.8	(47) 13.04.2022
(22) 18.01.2011	(47) 13.04.2022	(87) CN2016107673
(54) HIGH-STRENGTH HOT-DIP	(87) EP2018060045	08.06.2017
GALVANIZED STEEL SHEET	25.10.2018	(22) 29.11.2016
REDUCED IN BURR FORMATION AND	(22) 19.04.2018	(54) CHROMIUM-FREE SURFACE-
PROCESS FOR PRODUCING SAME	(54) PVD BOND COAT	TREATED TINPLATE, PRODUCTION
(73) JFE Steel Corporation	(73) Oerlikon Surface Solutions AG, Pfäffikon	METHOD AND SURFACE TREATING
(72) NAKAGAITO, Tatsuya	(72) GINDRAT, Malko	AGENT THEREFOR
KANEKO, Shinjiro	RAMM, Jürgen	(73) Baoshan Iron & Steel Co., Ltd.
KAWASAKI, Yoshiyasu	POLCIK, Peter	(72) LI, Peng
NAGATAKI, Yasunobu	WIDRIG, Beno	YAN, Renyun
(31) 2010011949	(31) 5342017	WEI, Junsheng
2010262090	(32) 21.04.2017	LI, Binghu
(32) 22.01.2010	(33) Switzerland	(31) 201510854283
25.11.2010	(51) C23C 14/14	(32) 30.11.2015
(33) Japan	C23C 14/34	(33) China
Japan	C22C 19/00	(51) C23C 30/00
(51) C22F 1/08	C22C 19/03	C22C 38/22
C22C 9/04	H01J 37/34	C22C 38/04
H05B 3/12	(11) EP3757248	C22C 38/32
(11) EP3147382	(21) EP19182532.2	C22C 38/28
(21) EP16190686.2	(47) 13.04.2022	C22C 38/02
(47) 13.04.2022	(22) 26.06.2019	C22C 38/06
(22) 26.09.2016	(54) NISI SPUTTERING TARGET WITH	C22C 38/00
(54) USE OF A METALLIC ELEMENT MADE	IMPROVED GRAIN STRUCTURE	C22C 38/24
FROM A COPPER-ZINC- MANGANESE	(73) Materion Advanced Materials Germany	C21D 8/02
ALLOY AS ELECTRIC HEATING	GmbH	C21D 9/46
ELEMENT	(72) Konietzka, Uwe	C22C 38/26
(73) Berkenhoff GmbH	SCHLOTT, Martin	C22C 38/38
(72) Rühl, Alexander	(51) C23C 16/04	C23C 2/06
Gertler, Martin	A61M 5/178	C23C 2/02
Schmid, Eberhard	C23C 16/40	C23C 2/12
Barthel, Bernd	A61M 5/31	C23C 2/40
(31) 102015116314	A61M 5/315	(11) EP3556890
(32) 25.09.2015	(11) EP2925903	(21) EP17882700.2
(33) Germany	(21) EP13811664.5	(47) 13.04.2022
(51) C23C 8/66	(47) 13.04.2022	(87) KR2017013941
C21D 6/00	(87) US2013071752	28.06.2018
B22F 1/00	05.06.2014	(22) 30.11.2017
C21D 8/02	(22) 25.11.2013	(54) HIGH-STRENGTH STEEL PLATE
G01N 29/30		HAVING EXCELLENT BURNING

WORKABILITY IN LOW TEMPERATURE RANGE AND MANUFACTURING METHOD THEREFOR	(47) 13.04.2022	(51) D01F 6/12
(73) Posco	(87) US2014048656	D01D 5/12
(72) SEO, Seok-Jong	05.02.2015	(11) EP3514269
KIM, Sung-Il	(22) 29.07.2014	(21) EP17850691.1
NA, Hyun-Taek	(54) SEAL CONFIGURATION FOR ELECTROCHEMICAL CELL	(47) 13.04.2022
(31) 20160173445	(73) Nuvera Fuel Cells, LLC	(87) JP2017031121
(32) 19.12.2016	(72) STANG, John	22.03.2018
(33) Korea (Republic)	BEVERAGE, Kevin	(22) 30.08.2017
(51) C23G 1/19	DOMIT, Edward	(54) VINYLIDENE FLUORIDE RESIN FIBERS AND SHEET-LIKE STRUCTURE
C23F 11/18	BLANCHET, Scott	(73) Kureha Corporation
C23F 11/10	VAN BOEYEN, Roger	(72) SAIGUSA, Kotaku
C23G 5/032	(31) 201361859457 P	(31) 2016179948
C11D 3/04	(32) 29.07.2013	(32) 14.09.2016
C11D 3/20	(33) United States of America	(33) Japan
C11D 7/06	(51) C30B 25/02	(51) D01H 1/08
C11D 7/10	C30B 25/18	(11) EP3527701
C11D 7/26	C30B 29/52	(21) EP19155224.9
(11) EP3158110	C30B 29/40	(47) 13.04.2022
(21) EP15810090.9	C30B 29/48	(22) 04.02.2019
(47) 13.04.2022	C30B 29/10	(54) REWINDING METHOD EMPLOYED IN POT SPINNING MACHINE FOLLOWING YARN BREAKAGE
(87) US2015036723	H01L 21/02	(73) Kabushiki Kaisha Toyota Jidoshokki
23.12.2015	C09K 11/66	(72) TSUCHIDA, Daisuke
(22) 19.06.2015	(11) EP3155145	NAKAMURA, Yusuke
(54) CATALYZED NON-STAINING HIGH ALKALINE CIP CLEANER	(21) EP15726035.7	TOMINAGA, Naomichi
(73) Ecolab USA Inc.	(47) 13.04.2022	MIYATA, Yasuhiro
(72) CABANAS, Jesus	(87) EP2015060881	(31) 2018025876
POWER, Caleb	17.12.2015	(32) 16.02.2018
SCHACHT, Paul, Frazer	(22) 18.05.2015	(33) Japan
MIRALLES, Altony, J.	(54) METHOD FOR DEPOSITING AN OPTOELECTRONIC COMPONENT WITH A SINGLE CRYSTALLINE SI-GE-SN SEMICONDUCTING LAYER AND OPTOELECTRONIC COMPONENT WITH SUCH A LAYER	(51) D01H 5/28
WILLIAMS, Brian	(73) Forschungszentrum Jülich GmbH	B65H 54/553
COURT, Colin	(72) WIRTHS, Stephan	D01H 7/92
(31) 201414310479	BUCA, Dan Mihai	D01H 9/16
(32) 20.06.2014	MANTL, Siegfried	(11) EP3865610
(33) United States of America	GRÜTZMACHER, Detlev	(21) EP21156092.5
(51) C25B 1/04	(31) 102014108352	(47) 13.04.2022
C25B 15/08	(32) 13.06.2014	(22) 09.02.2021
C07C 1/02	(33) Germany	(54) FINISHING DEVICE FOR SPINNING PROCESS PROVIDED WITH A ROVING-WINDING ASSEMBLY
C07C 29/152	(51) D01F 2/28	(73) OFFICINE GAUDINO SpA
C07C 31/04	C08B 3/06	(72) GRIFFA, Sergio
C07C 29/78	D01F 1/10	(31) 202000004417
C07C 29/80	D01F 1/04	202000002620
C10L 3/08	A24D 3/10	(32) 03.03.2020
(11) EP3491173	A24D 3/16	11.02.2020
(21) EP17746057.3	C08L 1/12	(33) Italy
(47) 13.04.2022	(11) EP3715509	Italy
(87) EP2017068859	(21) EP19833290.0	(51) D03D 25/00
01.02.2018	(47) 13.04.2022	D03D 1/00
(22) 26.07.2017	(87) JP2019027400	B29C 70/46
(54) METHOD AND SYSTEM FOR THE PRODUCTION OF METHANOL	16.01.2020	B29C 70/70
(73) thyssenkrupp Industrial Solutions AG	(22) 10.07.2019	B29D 99/00
thyssenkrupp AG	(54) CELLULOSE ACETATE FIBER, CELLULOSE ACETATE TOW BAND, AND METHOD FOR PRODUCING CELLULOSE ACETATE TOW BAND	D02G 3/40
(72) SCHIRRMMEISTER, Steffen	(73) Daicel Corporation	D03D 15/267
SCHULZ, Alexander	(72) MATSUMOTO, Takehiro	D03D 15/47
(31) 102016213668	SHIMA, Takahiko	D03D 15/587
(32) 26.07.2016	TAMAGAKI, Hiroaki	D03D 15/275
(33) Germany	TAKAHASHI, Keita	D03D 15/283
(51) C25B 9/77	(31) 2018132666	B29C 70/24
C25B 9/63	(32) 12.07.2018	B29C 70/54
H01M 8/0247	(33) Japan	(11) EP3406778
H01M 8/1004		(21) EP17305592.2
H01M 8/0276		(47) 13.04.2022
H01M 8/1018		(22) 22.05.2017
(11) EP3027939		
(21) EP14750912.9		

(54) METHOD OF MANUFACTURING A COMPOSITE AIRCRAFT BLADE	(87) US2015018055 03.09.2015	(51) E01C 13/08
(73) Ratier-Figeac SAS	(22) 27.02.2015	(11) EP3828341
(72) PRUNET, Ludovic LE MEUR, Kévin BRION, Patrice	(54) TUFTING MACHINE WITH A VARIABLE STROKE DRIVE SYSTEM AND METHOD OF OPERATING A TUFTING MACHINE	(21) EP20207203.9
(51) D04H 1/46	(73) Card-Monroe Corporation	(47) 13.04.2022
D04H 18/02	(72) MATHEWS, Ricky, E.	(22) 05.10.2018
(11) EP3301211	(31) 201461946199 P	(54) METHOD AND COMPOSTABLE TURF WITH DECOMPOSITION INHIBITOR
(21) EP17194246.9	(32) 28.02.2014	(73) Technology Licensing Corporation
(47) 13.04.2022	(33) United States of America	Polytex Sportbeläge Produktions-GmbH
(22) 29.09.2017	(51) D06F 39/08	Stadia Turf Technology Pte. Ltd.
(54) NONWOVEN FABRIC	D06F 37/26	(72) LOHR, Ivo
(73) Advanced Medical Solutions Limited	(11) EP3591114	HALLY, Stefan
(72) Bradford, Colin Horridge, David	(21) EP19182856.5	SUTHERLAND, Hamish
(31) 201616618	(47) 13.04.2022	SICK, Stephan
(32) 30.09.2016	(22) 27.06.2019	HEINLEIN, Mark A.
(33) United Kingdom	(54) WASHING MACHINE	(31) 201762569098 P
(51) D04H 1/49	(73) LG Electronics Inc.	17203097
D04H 1/732	(72) RYU, Hwanchan	(32) 06.10.2017
(11) EP3798342	JANG, Hosung	22.11.2017
(21) EP20397512.3	KIM, Sunghoon	(33) United States of America
(47) 13.04.2022	LEE, Hyunjae	European Patent Office (EPO)
(22) 29.09.2020	KANG, Yohwan	(51) E01C 19/52
(54) MANUFACTURING LINE FOR NONWOVEN FABRIC	CHOI, Jaehyun	E01C 9/08
(73) Suominen Corporation	(31) 20190072391	E02F 3/96
(72) POLOSA, Gian Luca	20180074392	B65H 16/00
NANDGAONKAR, Avinav G.	20180074386	B65H 16/02
SHANBHAG, Pramod U.	20180074385	B66F 9/18
(31) 20194131	(32) 18.06.2019	(11) EP3792400
(32) 30.09.2019	27.06.2018	(21) EP20195141.5
(33) Finland	27.06.2018	(47) 13.04.2022
(51) D04H 13/00	(33) Korea (Republic)	(22) 08.09.2020
B32B 5/26	Korea (Republic)	(54) SPOOL-LESS SYSTEM AND METHOD FOR DEPLOYMENT, RECOVERY AND MANIPULATION OF A TRAVERSABLE ROAD TRACK COVERING
B32B 5/28	Korea (Republic)	(73) FAUN Trackway Limited
(11) EP2591158	Korea (Republic)	(72) Godridge, Paul
(21) EP11728638.5	(51) D06F 58/22	ROBERTS, Dafydd
(47) 13.04.2022	D06F 39/10	Wigley, Neil
(87) EP2011061074	(11) EP3090096	(31) 201913238
12.01.2012	(21) EP14830709.3	(32) 13.09.2019
(22) 30.06.2011	(47) 13.04.2022	(33) United Kingdom
(54) FLEXIBLE PREFORM FOR MANUFACTURING A PRODUCT MADE OF NATURAL FIBRES	(87) IB2014067077	(51) E01C 23/01
(73) Societe Holding Depestele	09.07.2015	G01B 21/30
(72) DEPESTELE, Marc	(22) 18.12.2014	G01N 21/88
(31) 1055545	(54) WASHING/DRYING MACHINE WITH A SYSTEM FOR PREVENTING AN AIR FILTER FROM GETTING CLOGGED	G06T 7/00
(32) 07.07.2010	(73) Whirlpool EMEA S.p.A	(11) EP3296463
(33) France	(72) VERDINI, Lorenzo	(21) EP17189369.6
(51) D04H 18/02	BOMBARDIERI, Giovanni	(47) 13.04.2022
(11) EP3896207	FERRO, Gianluca	(22) 05.09.2017
(21) EP20193058.3	(31) TO20131099	(54) CRACK ANALYSIS DEVICE, METHOD AND PROGRAM
(47) 13.04.2022	(32) 31.12.2013	(73) Toshiba Infrastructure Systems & Solutions Corporation
(22) 27.08.2020	(33) Italy	(72) Ueta, Tomotaka
(54) NEEDLE MACHINE	(51) D21F 3/02	Kumakura, Nobuyuki
(73) Oskar Dilo Maschinenfabrik KG	D21G 1/02	Yonekawa, Yoko
(72) Dilo, Johann Philipp	F16C 13/02	Yamazaki, Takahiko
(31) 20170250	F16C 13/00	(31) 2016174446
(32) 17.04.2020	(11) EP3733963	(32) 07.09.2016
(33) European Patent Office (EPO)	(21) EP19171557.2	(33) Japan
(51) D05C 15/20	(47) 13.04.2022	(51) E02B 17/00
D05C 15/32	(22) 29.04.2019	B08B 9/023
(11) EP3110998	(54) SHOE ROLL PEDESTAL STRUCTURE	B23D 57/00
(21) EP15754672.2	(73) Valmet Technologies Oy	(11) EP3867451
(47) 13.04.2022	(72) LAMMINPARRAS, Sami	(21) EP19813395.1
	YLÖNEN, Taneli	(47) 13.04.2022
		(87) SG2019050550

14.05.2020	(32) 03.06.2013	(73) Grohe AG
(22) 11.11.2019	(33) Japan	(72) BUSCHEY, Werner
(54) APPARATUS FOR SERVICING A STRUCTURE	(51) E02F 9/22	GRANSOW, Eckhard
(73) Rototech Pte Ltd	F15B 11/02	(31) 102010006376
(72) VOS, Andries	F15B 11/08	(32) 29.01.2010
KLEINE, Peter	E02F 9/12	(33) Germany
KENDALL, Stuart	(11) EP3690149	(51) E03D 9/08
HARTOG, Simon	(21) EP18876294.2	E03D 11/14
WESTERBRINK, Michael	(47) 13.04.2022	E03D 11/18
(31) 201818300	(87) JP2018038104	(11) EP3763891
(32) 09.11.2018	16.05.2019	(21) EP19185734.1
(33) United Kingdom	(22) 12.10.2018	(47) 13.04.2022
(51) E02B 17/00	(54) PIVOTING WORK MACHINE	(22) 11.07.2019
F03D 80/80	(73) Kobelco Construction Machinery Co., Ltd.	(54) BIDET ASSEMBLY
H02G 3/04	(72) KOZUI, Masatoshi	(73) Geberit International AG
(11) EP3718187	(31) 2017215634	(72) ZWICKER, Maurus
(21) EP18815282.1	(32) 08.11.2017	(51) E03F 1/00
(47) 13.04.2022	(33) Japan	(11) EP2909385
(87) GB2018053422	(51) E03C 1/04	(21) EP13760085.4
06.06.2019	F16K 11/044	(47) 13.04.2022
(22) 27.11.2018	F16K 31/385	(87) GB2013052308
(54) STIFFENING MEMBER AND PROTECTIVE HOUSING ASSEMBLY	(11) EP3715539	06.03.2014
(73) Subsea Energy Solutions Ltd	(21) EP20153225.6	(22) 03.09.2013
(72) STANYON, Philip	(47) 13.04.2022	(54) SUBTERRANEAN DRAINAGE STRUCTURE AND BASE UNIT THEREFOR
(31) 201719780	(22) 22.01.2020	(73) Polypipe Limited
(32) 28.11.2017	(54) MULTIWAY VALVE WITH A PLURALITY OF COUPLED MEMBRANE VALVES	(72) RAMELLA, Stuart Edward Alan
(33) United Kingdom	(73) Grohe AG	(31) 201215681
(51) E02F 3/36	(72) HEUBROCK, Dominik	(32) 03.09.2012
(11) EP3730697	SCHRÖDER, Claudia	(33) United Kingdom
(21) EP20156522.3	RÖDIGER, Sascha	(51) E04B 1/24
(47) 13.04.2022	MAY, Sascha	E04B 1/61
(22) 11.02.2020	MAINKA, David	F16B 37/04
(54) ADAPTER FOR QUICK CHANGE SYSTEM AND QUICK CHANGE SYSTEM COMPRISING SUCH AN ADAPTER	FLÜGGE, Simon	(11) EP3201404
(73) OilQuick Deutschland KG	(31) 102019103601	(21) EP15847449.4
(72) Kollmann, Michael	(32) 13.02.2019	(47) 13.04.2022
Sieber, Johannes	(33) Germany	(87) US2015050003
(31) 102019106850	(51) E03C 1/04	07.04.2016
(32) 18.03.2019	F16K 31/00	(22) 14.09.2015
(33) Germany	F16K 31/60	(54) MOUNTING DEVICE FOR BUILDING SURFACES HAVING ELONGATED MOUNTING SLOT
(51) E02F 9/20	F16K 11/00	(73) RMH Tech LLC
E02F 9/22	(11) EP3309307	(72) HADDOCK, Dustin M.M.
(11) EP3196367	(21) EP17192939.1	HADDOCK, Robert M.M.
(21) EP14902155.2	(47) 13.04.2022	(31) 201414500919
(47) 13.04.2022	(22) 25.09.2017	(32) 29.09.2014
(87) KR2014008745	(54) FAUCET APPARATUS	(33) United States of America
24.03.2016	(73) TOTO LTD.	(51) E04B 1/76
(22) 19.09.2014	(72) HASHIMOTO, Kenichi	(11) EP2348163
(54) HYDRAULIC CIRCUIT FOR CONSTRUCTION EQUIPMENT	HATAKEYAMA, Makoto	(21) EP11000457.9
(73) Volvo Construction Equipment AB	KAMIYOSHI, Tetsuro	(47) 13.04.2022
(72) JOUNG, Hea-Gyoon	KANEKO, Yoshiyuki	(22) 21.01.2011
(51) E02F 9/22	MATSUI, Hideyuki	(54) Support adapter
(11) EP2811079	(31) 2016201938	(73) Zimmer, Martin
(21) EP14169944.7	(32) 13.10.2016	Zimmer, Günther
(47) 13.04.2022	(33) Japan	(72) Zimmer, Martin
(22) 27.05.2014	(51) E03C 1/084	Zimmer, Günther
(54) Construction machine	B05B 1/30	(31) 102010005444
(73) Kobelco Construction Machinery Co., Ltd.	B05B 1/16	(32) 21.01.2010
(72) Yamamoto, Keiji	B05B 1/18	(33) Germany
Sakatani, Masanori	(11) EP2529056	(51) E04B 2/74
Hiraoka, Yukio	(21) EP11701622.0	E04B 1/70
(31) 2013116883	(47) 13.04.2022	(11) EP3739140
	(87) EP2011000351	(21) EP19174853.2
	04.08.2011	(47) 13.04.2022
	(22) 27.01.2011	
	(54) JET REGULATOR AND JET ADJUSTMENT PROCESS	

(22) 16.05.2019	(54) A FIRE RETAINING WALL STRUCTURE ASSEMBLY FOR PARTITIONING ADJACENT SPACES	(73) Muotolevy Oy	(72) Kuisma, Jarkko	(51) E04B 5/00	E04F 15/02	E04F 15/10	B32B 7/12	B32B 5/24	B32B 5/18	B32B 5/02	B32B 3/06	(11) EP2524090	(21) EP11732276.8	(47) 13.04.2022	(87) US2011020671	14.07.2011	(22) 10.01.2011	(54) SURFACE COVERING WITH INTERLOCKING DESIGN	(73) Välinge Innovation AB	(72) WHISPELL, John, M.	CHEN, Hao, A.	(31) 293831 P	(32) 11.01.2010	(33) United States of America	(51) E04B 5/32	(11) EP2960392	(21) EP15168344.8	(47) 13.04.2022	(22) 20.05.2015	(54) CEILINGS EDGE FORMWORK ELEMENT	(73) DiHa Patentverwertungs GbR	(72) Wetzstein, Konrad	(31) 102014108952	(32) 26.06.2014	(33) Germany	(51) E04C 2/34	E04C 2/52	E04F 17/00	(11) EP3426858	(21) EP17763914.3	(47) 13.04.2022	(87) US2017021179	14.09.2017	(22) 07.03.2017	(54) A PRE-ASSEMBLED WALL PANEL FOR UTILITY INSTALLATION	(73) Innovative Building Technologies, LLC	(72) COLLINS, Arlan	WOERMAN, Mark	(31) 201662304862 P	(32) 07.03.2016	(33) United States of America	(51) E04C 2/38	E04B 1/61	E04F 15/02	F16B 12/26	(11) EP3268554	(21) EP16762131.7	(47) 13.04.2022	(87) US2016020020	15.09.2016	(22) 29.02.2016	(54) A SPRING-LOADED SPLIT-TONGUE CONNECTOR SYSTEM	(73) Baker, Geoff	(72) Baker, Geoff	(31) 201514642679	(32) 09.03.2015	(33) United States of America	(51) E04D 1/36	(11) EP3741922	(21) EP20175570.9	(47) 13.04.2022	(22) 19.05.2020	(54) UNDERLAY ELEMENT FOR ROOF COVERING OR OUTER WALL CLADDING ELEMENTS	(73) GPO Advies	(72) POLMAN, Gerardus Andreas Wilhelmus	(31) 2023175	(32) 21.05.2019	(33) Netherlands	(51) E04D 5/06	E04D 5/10	(11) EP3134590	(21) EP15723355.2	(47) 13.04.2022	(87) US2015027698	29.10.2015	(22) 27.04.2015	(54) ADHERED ROOFING SYSTEM WITH A THERMOPLASTIC ROOFING MEMBRANE	(73) Firestone Building Products Company, LLC	(72) HENEGAR, Jeffrey W.	WATKINS, Carl E., Jr.	WANG, Hao	HUBBARD, Michael J.	TIPPMANN, Donna M.	(31) 201461984306 P	(32) 25.04.2014	(33) United States of America	(51) E04D 13/03	(11) EP3179004	(21) EP16203323.7	(47) 13.04.2022	(22) 09.12.2016	(54) A HOOD FOR A ROOF WINDOW	(73) Keylite Roof Windows Limited	(72) WELLS, Colin	COYLE, Sean	(31) 201521717	(32) 09.12.2015	(33) United Kingdom	(51) E04F 13/00	E04F 13/08	(11) EP3587699	(21) EP19181308.8	(47) 13.04.2022	(22) 19.06.2019	(54) EXTERNAL WALL	(73) Fliesenmarkt Herberhold GmbH	(72) Geuking, Hans-Dieter	(31) 202018103531 U	(32) 22.06.2018	(33) Germany	(51) E04F 13/08	E04B 9/04	(11) EP3724418	(21) EP18833319.9	(47) 13.04.2022	(87) IB2018060014	20.06.2019	(22) 13.12.2018	(54) WALL OR CEILING PANEL GLUEABLE TO A SURFACE	(73) Build Tech IP	(72) MICHEL, Yves	(31) 201705928	(32) 13.12.2017	(33) Belgium	(51) E04F 13/08	E04F 13/12	(11) EP3243976	(21) EP17169788.1	(47) 13.04.2022	(22) 05.05.2017	(54) PANEL SPLICE CONNECTOR FOR LINEAR CEILING PANELS	(73) Hunter Douglas Industries B.V.	(72) DE GOEIJ, Hans Kurt	VAN KOPPEN, Jacob Willem Krijn	(31) 1041856	(32) 09.05.2016	(33) Netherlands	(51) E04F 15/02	E04F 13/08	(11) EP3489431	(21) EP17203608.9	(47) 13.04.2022	(22) 24.11.2017	(54) PANEL	(73) Surface Technologies GmbH & Co. KG	(51) E04F 15/02	E04F 15/10	(11) EP3402940	(21) EP17703794.2	(47) 13.04.2022	(87) IB2017050148	20.07.2017	(22) 12.01.2017	(54) FLOOR PANEL FOR FORMING A FLOOR COVERING	(73) Flooring Industries Limited, SARL	(72) DEVOS, Pieter	(31) 201605033	(32) 15.01.2016	(33) Belgium	(51) E04F 21/24	(11) EP2271804	(21) EP09767127.5	(47) 13.04.2022	(87) US2009035397	23.12.2009	(22) 27.02.2009	(54) CONCRETE FINISHING APPARATUS	(73) Somero Enterprises, Inc.	(72) SOMERO, David W.	QUENZI, Philip J.	MATSON, Tracy L.	(31) 31796	(32) 27.02.2008	(33) United States of America	(51) E04G 11/48
-----------------	--	-------------------	---------------------	----------------	------------	------------	-----------	-----------	-----------	-----------	-----------	----------------	-------------------	-----------------	-------------------	------------	-----------------	--	----------------------------	-------------------------	---------------	---------------	-----------------	-------------------------------	----------------	----------------	-------------------	-----------------	-----------------	-------------------------------------	---------------------------------	------------------------	-------------------	-----------------	--------------	----------------	-----------	------------	----------------	-------------------	-----------------	-------------------	------------	-----------------	--	--	---------------------	---------------	---------------------	-----------------	-------------------------------	----------------	-----------	------------	------------	----------------	-------------------	-----------------	-------------------	------------	-----------------	--	-------------------	-------------------	-------------------	-----------------	-------------------------------	----------------	----------------	-------------------	-----------------	-----------------	---	-----------------	---	--------------	-----------------	------------------	----------------	-----------	----------------	-------------------	-----------------	-------------------	------------	-----------------	---	---	--------------------------	-----------------------	-----------	---------------------	--------------------	---------------------	-----------------	-------------------------------	-----------------	----------------	-------------------	-----------------	-----------------	-------------------------------	-----------------------------------	-------------------	-------------	----------------	-----------------	---------------------	-----------------	------------	----------------	-------------------	-----------------	-----------------	--------------------	-----------------------------------	---------------------------	---------------------	-----------------	--------------	-----------------	-----------	----------------	-------------------	-----------------	-------------------	------------	-----------------	--	--------------------	-------------------	----------------	-----------------	--------------	-----------------	------------	----------------	-------------------	-----------------	-----------------	---	-------------------------------------	--------------------------	--------------------------------	--------------	-----------------	------------------	-----------------	------------	----------------	-------------------	-----------------	-----------------	------------	---	-----------------	------------	----------------	-------------------	-----------------	-------------------	------------	-----------------	---	--	--------------------	----------------	-----------------	--------------	-----------------	----------------	-------------------	-----------------	-------------------	------------	-----------------	-----------------------------------	-------------------------------	-----------------------	-------------------	------------------	------------	-----------------	-------------------------------	-----------------

E04G 11/50	15.12.2016	E05B 45/12
(11) EP3176349	(22) 08.06.2016	E05C 1/00
(21) EP16201635.6	(54) EXPANDABLE SAFE ROOM	E05B 47/00
(47) 13.04.2022	(73) Klein, Amos	(11) EP3798391
(22) 01.12.2016	(72) Klein, Amos	(21) EP20178180.4
(54) ANTI-LIFTING COUPLING SYSTEM	(31) 23928215	(47) 13.04.2022
(73) Faresin Formwork S.p.A.	(32) 08.06.2015	(22) 04.06.2020
(72) FARESIN, Guido	(33) Israel	(54) DETECTOR OF THE POSITION OF A
(31) UB20156234	(51) E05B 1/00	MOBILE FITTING OF A FRAME
(32) 04.12.2015	A61L 2/18	(73) Somfy Activites SA
(33) Italy	E05B 47/00	(72) BEAU, Stéphane
(51) E04G 11/48	(11) EP3861186	ANTHOINE, Sébastien
E04G 17/00	(21) EP20701194.1	GARBY, Thierry
E04G 21/32	(47) 13.04.2022	SERVE, David
(11) EP3686375	(87) EP2020051690	(31) 1910700
(21) EP19382050.3	30.07.2020	(32) 27.09.2019
(47) 13.04.2022	(22) 23.01.2020	(33) France
(22) 24.01.2019	(54) DEVICE FOR AUTOMATIC CLEANING	(51) E05B 19/00
(54) PERIMETER PROTECTION SYSTEM	OF A HANDLE	F16B 21/06
FOR A HORIZONTAL FORMWORK	(73) Cleanmotion Sàrl	E05B 47/00
SYSTEM, AND METHOD OF	(72) BARILLA, Giovanni	E05B 67/00
ASSEMBLY OF A PERIMETER	VAN SPROLANT, Valentin	F16B 21/07
PROTECTION SYSTEM	HORVATH, Alex	E05B 67/06
(73) ULMA C y E, S. COOP.	(31) 19153558	E05B 63/00
(72) SOBRAL VILLANUEVA, Roberto	(32) 24.01.2019	(11) EP3589806
EROGLU, Yildiray	(33) European Patent Office (EPO)	(21) EP18710291.8
(51) E04G 21/04	(51) E05B 3/00	(47) 13.04.2022
A01G 25/09	E05B 13/00	(87) US2018020242
B65H 75/00	E05B 17/20	07.09.2018
(11) EP3246491	E05B 63/04	(22) 28.02.2018
(21) EP17153251.8	E05B 55/00	(54) LOCKING MODULE AND METHOD OF
(47) 13.04.2022	E05B 55/06	OPERATING A LOCKING MODULE
(22) 26.01.2017	E05B 3/06	(73) Carrier Corporation
(54) MOBILE DISTRIBUTOR APPARATUS	E05B 17/04	(72) HILL, Matthew S.
FOR DISTRIBUTING THICK MATTER	(11) EP3344830	(31) 201762465364 P
(73) FASTERHOLT Maskinfabrik A/S	(21) EP16840425.9	(32) 01.03.2017
(72) Jensen, Mogens Bode	(47) 13.04.2022	(33) United States of America
(31) 201600295	(87) AU2016050827	(51) E05B 53/00
(32) 17.05.2016	09.03.2017	E05C 3/04
(33) Denmark	(22) 02.09.2016	E05C 9/00
(51) E04H 1/12	(54) A MECHANISM FOR A LOCKSET AND	E05C 9/02
E04H 4/00	A METHOD FOR CONFIGURING A	E05B 79/16
E04H 3/16	LOCKSET'S FUNCTION	(11) EP3636863
(11) EP3230538	(73) TNBT Holdings Pty Ltd	(21) EP19200973.6
(21) EP15808399.8	(72) COHEN, Marc	(47) 13.04.2022
(47) 13.04.2022	WOODCOCK, Jonathon	(22) 02.10.2019
(87) EP2015079492	MASCIA, Daniel	(54) SECURING DEVICE FOR A JOINT
16.06.2016	SZARKA-KOVACS, Zsolt	(73) EMKA Beschlagteile GmbH & Co. KG
(22) 11.12.2015	(31) 2015903590	(72) Alan, Turgay
(54) MODULAR SWIMMING POOL SYSTEM	(32) 02.09.2015	(31) 102018124713
(73) Zeller Bäderbau GmbH	(33) Australia	(32) 08.10.2018
(72) STAMPA, Frank	(51) E05B 17/20	(33) Germany
LASSNIG, Josef	E05C 19/18	(51) E05B 67/28
LASSNIG, Marco	(11) EP3739152	(11) EP3789570
(31) 102014118561	(21) EP20173486.0	(21) EP20192442.0
(32) 12.12.2014	(47) 13.04.2022	(47) 13.04.2022
(33) Germany	(22) 07.05.2020	(22) 24.08.2020
(51) E04H 9/02	(54) LOCKING ASSEMBLY COMPRISING A	(54) RING SHACKLE PADLOCK AND
E04H 9/06	SPINDLE, A YOKE AND A SECURITY	METHOD OF ASSEMBLING SAME
E04B 1/344	DEVICE SECURING THE SPINDLE	(73) ABUS August Bremicker Söhne KG
E04B 1/348	ENGAGED IN THE YOKE	(31) 102019123897
E04B 1/92	(73) Tubex	(32) 05.09.2019
E04H 9/00	(72) JOURDAIN, Dominique	(33) Germany
E04H 9/10	(31) 1904957	(51) E05C 1/06
(11) EP3303715	(32) 13.05.2019	E05B 15/00
(21) EP16807027.4	(33) France	B64C 1/14
(47) 13.04.2022	(51) E05B 17/22	B64D 29/06
(87) IL2016050594	E05B 9/08	(11) EP3740633

(21) EP19703871.4	(54) SLIDING DOOR STRUCTURE	(73) REHAU Industries SE & Co. KG
(47) 13.04.2022	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(72) Meyerhöfer, Herbert
(87) US2019013899	(72) ISHIKAWA, Hironari	Koller, Markus
25.07.2019	(31) 2016212060	(31) 202016106996 U
(22) 17.01.2019	(32) 28.10.2016	(32) 15.12.2016
(54) PIN LATCH WITH ADJUSTABLE PRE-LOAD	(33) Japan	(33) Germany
(73) Hartwell Corporation	(51) E05F 1/10	(51) E06B 3/58
(72) ARTIN, Bo D.	(11) EP3250771	E06B 3/60
COLLINS, Brody Wayne	(21) EP15825784.0	(11) EP3414416
(31) 201862752055 P	(47) 13.04.2022	(21) EP17749982.9
201862618430 P	(87) AT2015000159	(47) 13.04.2022
(32) 29.10.2018	04.08.2016	(87) IL2017050164
17.01.2018	(22) 14.12.2015	17.08.2017
(33) United States of America	(54) DRIVE DEVICE FOR A MOVABLE FURNITURE PART	(22) 09.02.2017
United States of America	(73) Julius Blum GmbH	(54) GLAZING PROFILES WITH SEAMLESS APPEARANCE AND METHOD OF USE
(51) E05C 9/02	(72) RÜCKER, Marco	(73) Kll Industries Ltd.
E05B 63/14	DUBACH, Fredi	(72) SHLOZNIKOV, Alona
E05C 1/14	(31) 392015	(31) 24408316
E05B 5/00	(32) 29.01.2015	(32) 11.02.2016
E05B 15/04	(33) Austria	(33) Israel
E05B 15/02	(51) E05F 1/12	(51) E06B 3/667
(11) EP3336291	(11) EP2851498	(11) EP3353366
(21) EP17206881.9	(21) EP14184645.1	(21) EP16778215.0
(47) 13.04.2022	(47) 13.04.2022	(47) 13.04.2022
(22) 13.12.2017	(22) 12.09.2014	(87) EP2016071745
(54) DUAL LATCH ASSEMBLY FOR OPENABLE STRUCTURES	(54) HINGE ASSEMBLY AND IMAGE FORMING APPARATUS HAVING THE SAME	30.03.2017
(73) AMI Industries, Inc.	(73) Hewlett-Packard Development Company, L.P.	(22) 15.09.2016
(72) KAISER, Brad	(72) LEE, Jung-hoon	(54) PLUG CONNECTOR AND PLUG CONNECTION
NARAYANAMURTHY, Lokesh	BANG, Jung-ho	(73) Kronenberg, Ralf M.
KALATHIL, Sajeesh	(31) 20140115326	(72) Kronenberg, Ralf M.
(31) 201611042839	20130130972	(31) 202015105061 U
(32) 15.12.2016	20130116509	(32) 24.09.2015
(33) India	201361876982 P	(33) Germany
(51) E05C 9/02	(32) 01.09.2014	(51) E06B 9/06
E05C 9/18	31.10.2013	(11) EP3405639
(11) EP3749821	30.09.2013	(21) EP17704098.7
(21) EP18720025.8	12.09.2013	(47) 13.04.2022
(47) 13.04.2022	(33) Korea (Republic)	(87) NL2017050039
(87) IT2018000017	Korea (Republic)	27.07.2017
15.08.2019	Korea (Republic)	(22) 20.01.2017
(22) 07.02.2018	United States of America	(54) COLLAPSIBLE SECURITY GRILLE AND GRILLE SYSTEM
(54) PERIPHERAL ASSEMBLY FOR MULTIPOINT LOCKS	(51) E06B 3/263	(73) Metal Quartz SA
(73) Cisa S.p.a.	E06B 3/58	(72) SCHUT, Tammo
(72) FABBRI, Matteo	E06B 5/16	(31) 2016133
(51) E05D 15/10	(11) EP3022376	(32) 21.01.2016
(11) EP3204583	(21) EP14741786.9	(33) Netherlands
(21) EP15778030.5	(47) 13.04.2022	(51) E06B 9/17
(47) 13.04.2022	(87) CH2014000106	E06B 9/174
(87) IB2015056944	22.01.2015	(11) EP3757342
21.04.2016	(22) 14.07.2014	(21) EP20182154.3
(22) 10.09.2015	(54) FIXING OF A FIRE-RESISTANT GLASS IN A FRAME	(47) 13.04.2022
(54) FURNITURE ITEM WITH SLIDING LEAF MECHANISM	(73) SAINT-GOBAIN GLASS FRANCE	(22) 25.06.2020
(73) Bortoluzzi Sistemi S.p.A.	(72) WILDENHAIN, Klaus	(54) ATTACHMENT LUG FOR POSITIONING A ROLLER SHUTTER TUBE, ROLLER SHUTTER SUPPORT, SUB-ASSEMBLY FOR MOUNTING COMPRISING SUCH A POSITIONING LUG, INSTALLATION COMPRISING A ROLLER SHUTTER AND METHOD FOR MOUNTING A ROLLER SHUTTER
(72) DAL CASTEL, Rodolfo	(31) 12732013	(73) Zurflüh-Feller
GIROTTO, Adriano	(32) 16.07.2013	(72) BROGLY, Sebastien
(31) TV20140146	(33) Switzerland	(31) 1906947
(32) 12.10.2014	(51) E06B 3/54	(32) 26.06.2019
(33) Italy	(11) EP3336296	
(51) E05D 15/10	(21) EP17205431.4	
E05F 15/646	(47) 13.04.2022	
(11) EP3315699	(22) 05.12.2017	
(21) EP17197590.7	(54) GLASS PACKER AND WINDOW OR DOOR FRAME COMPRISING SAME	
(47) 13.04.2022		
(22) 20.10.2017		

(33) France	United States of America	HOOD, Andrew
(51) E06B 9/50	(51) E21B 19/06	(31) 201562193801 P
(11) EP3591164	E21B 19/16	(32) 17.07.2015
(21) EP18725571.6	(11) EP3693533	(33) United States of America
(47) 13.04.2022	(21) EP20168008.9	(51) E21B 31/107
(87) ES2018070155	(47) 13.04.2022	(11) EP3803034
07.09.2018	(22) 01.10.2013	(21) EP19731499.0
(22) 02.03.2018	(54) COMPENSATING BAILS	(47) 13.04.2022
(54) FASTENING SYSTEM FOR A	(73) Weatherford Technology Holdings, LLC	(87) US2019034681
DECORATIVE VALANCE OF A ROLLER	(72) HEIDECHE, Karsten	05.12.2019
SHADE OR BLIND AND DECORATIVE	PRATT, Brittan S.	(22) 30.05.2019
VALANCE PROVIDED WITH SUCH A	(31) 201314041841	(54) SYSTEMS AND METHODS FOR
FASTENING SYSTEM	201261709089 P	STUCK DRILL STRING MITIGATION
(73) Bandalux Industrial, S.a.	(32) 30.09.2013	(73) Saudi Arabian Oil Company
(72) GARCIA GARCIA, Emiliano	02.10.2012	(72) AFFLECK, Michael Anthony
(31) 201715447217	(33) United States of America	MACHOCKI, Krzysztof
(32) 02.03.2017	United States of America	(31) 201916425427
(33) United States of America	(51) E21B 19/16	201862678040 P
(51) E06B 9/72	G01L 5/24	(32) 29.05.2019
E06B 9/62	(11) EP2723967	30.05.2018
(11) EP2820226	(21) EP12729254.8	(33) United States of America
(21) EP13713547.1	(47) 13.04.2022	United States of America
(47) 13.04.2022	(87) US2012036173	(51) E21B 33/076
(87) NL2013000009	27.12.2012	E21B 33/038
06.09.2013	(22) 02.05.2012	E21B 33/064
(22) 27.02.2013	(54) SHOULDER YIELDING DETECTION	E21B 34/04
(54) ARCHITECTURAL COVERING HAVING	DURING TUBULAR MAKEUP	E21B 43/30
A DRIVE MECHANISM	(73) Weatherford Technology Holdings, LLC	(11) EP3458675
(73) Hunter Douglas Industries B.V.	(72) RUEHMANN, Rainer	(21) EP17865600.5
(72) KOOP, Lars	RUARK, Graham Myles	(47) 13.04.2022
BOHLEN, Jörg	(31) 201213460924	(87) US2017058251
(31) 1039407	201161499984 P	03.05.2018
(32) 27.02.2012	(32) 01.05.2012	(22) 25.10.2017
(33) Netherlands	22.06.2011	(54) RELIEF WELL INJECTION SPOOL
(51) E21B 7/02	(33) United States of America	APPARATUS AND METHOD FOR
(11) EP3690178	United States of America	KILLING A BLOWING WELL
(21) EP20154550.6	(51) E21B 23/04	(73) Add Energy Group AS
(47) 13.04.2022	E21B 34/14	Trendsetter Engineering, Inc.
(22) 30.01.2020	(11) EP3728785	(72) MORRY, Brett
(54) DRILLING MACHINE WITH BLOCKING	(21) EP18833210.0	CARGOL, Patrick, Michael, Jr.
SYSTEM	(47) 13.04.2022	RYGG, Ole
(73) HPM - Hydraulic Performance Machines	(87) EP2018085975	OSKARSEN, Ray, Tommy
S.r.l.	27.06.2019	LUGO, Mario, R.
(72) CARTECHINI, GIUSEPPE	(22) 19.12.2018	(31) 201615335805
(31) 201900001543	(54) CATCHER DEVICE FOR A DOWNHOLE	(32) 27.10.2016
(32) 01.02.2019	TOOL	(33) United States of America
(33) Italy	(73) Schoeller Bleckmann Oilfield Equipment	(51) F01C 9/00
(51) E21B 17/02	AG	F01C 21/00
E21B 17/04	(72) STRILCHUK, Nathan	(11) EP3755883
E21B 17/042	(31) 201721482	(21) EP19707078.2
E21B 17/10	(32) 20.12.2017	(47) 13.04.2022
E21B 19/16	(33) United Kingdom	(87) GB2019050401
(11) EP3577304	(51) E21B 28/00	06.09.2019
(21) EP18747183.4	E21B 33/13	(22) 15.02.2019
(47) 13.04.2022	E21B 33/134	(54) ROTICULATING THERMODYNAMIC
(87) US2018016899	(11) EP3325761	APPARATUS
09.08.2018	(21) EP16828321.6	(73) FETU LIMITED
(22) 05.02.2018	(47) 13.04.2022	(72) FENTON, Jonathan
(54) MODULAR TUBULAR PRODUCT FOR	(87) US2016042583	(31) 201803181
WELL APPLICATIONS	26.01.2017	(32) 27.02.2018
(73) Dziekonski, Mitchell Z.	(22) 15.07.2016	(33) United Kingdom
(72) Dziekonski, Mitchell Z.	(54) WELL ABANDONMENT USING	(51) F01C 9/00
(31) 201815885005	VIBRATION TO ASSIST CEMENT	F01C 21/00
201762455222 P	PLACEMENT	F01C 11/00
(32) 31.01.2018	(73) ConocoPhillips Company	(11) EP3755884
06.02.2017	(72) MILNE, Ian	(21) EP19707079.0
(33) United States of America	CROMAR, Stephen	(47) 13.04.2022
	PRIEUR, Jean-Marie	(87) GB2019050402

06.09.2019	MORGAN, Victor John	(73) Raytheon Technologies Corporation
(22) 15.02.2019	(31) 201414337453	(72) HUSBAND, Jason
(54) ROTICULATING THERMODYNAMIC APPARATUS	(32) 22.07.2014	LANCASTER, Drew W.
(73) FETU LIMITED	(33) United States of America	(31) 201361778572 P
(72) FENTON, Jonathan	(51) F01D 11/24	(32) 13.03.2013
(31) 201803181	F01D 25/10	(33) United States of America
(32) 27.02.2018	F01D 11/18	(51) F01D 21/04
(33) United Kingdom	(11) EP3569825	F01D 25/24
(51) F01D 5/14	(21) EP19174395.4	F02K 3/06
F01D 5/28	(47) 13.04.2022	(11) EP3290658
F01D 5/30	(22) 14.05.2019	(21) EP17193286.6
(11) EP3643878	(54) ELECTRIC HEATING FOR	(47) 13.04.2022
(21) EP19203572.3	TURBOMACHINERY CLEARANCE	(22) 15.12.2015
(47) 13.04.2022	CONTROL	(54) LINERS FOR TURBOMACHINERY
(22) 16.10.2019	(73) Raytheon Technologies Corporation	CASES
(54) PINNED AIRFOIL FOR GAS TURBINE ENGINES	(72) WOOD, Coy Bruce	(73) Raytheon Technologies Corporation
(73) Raytheon Technologies Corporation	HANLON, Christopher J.	(72) ROBERTSON, Thomas J. JR.
(72) GLASPEY, James	TERWILLIGER, Neil	CLARKSON, Steven
HUSBAND, Jason	COUTURE, Patrick D.	(31) 201462091896 P
(31) 201816163610	(31) 201815979085	(32) 15.12.2014
(32) 18.10.2018	(32) 14.05.2018	(33) United States of America
(33) United States of America	(33) United States of America	(51) F01D 25/02
(51) F01D 5/18	(51) F01D 15/10	F02C 7/047
(11) EP3762587	H02J 1/10	B64D 15/20
(21) EP19723730.8	H02P 9/42	F01D 21/00
(47) 13.04.2022	H02P 9/00	G01N 25/02
(87) EP2019061354	(11) EP3058651	(11) EP3431720
07.11.2019	(21) EP14790955.0	(21) EP18178808.4
(22) 03.05.2019	(47) 13.04.2022	(47) 13.04.2022
(54) AIRFOIL FOR A TURBINE BLADE	(87) US2014060849	(22) 20.06.2018
(73) Siemens Energy Global GmbH & Co. KG	23.04.2015	(54) ICE DETECTION ON GAS TURBINE
(72) KOCH, Daniela	(22) 16.10.2014	COMPONENTS
AHMAD, Fathi	(54) TURBINE GENERATOR SYSTEM WITH	(73) Rolls-Royce plc
SCHÜLER, Marco	DC OUTPUT	(72) Scothern, David
(31) 18170731	(73) ABB Schweiz AG	(31) 201711689
(32) 04.05.2018	(72) TREMELLING, Darren	(32) 20.07.2017
(33) European Patent Office (EPO)	BALA, Sandeep	(33) United Kingdom
(51) F01D 5/18	(31) 201314057613	(51) F01D 25/10
B22C 9/10	(32) 18.10.2013	F02C 7/06
F01D 25/12	(33) United States of America	F02C 7/14
F01D 9/04	(51) F01D 17/16	F02C 7/224
(11) EP3342982	F02C 7/042	(11) EP3418505
(21) EP18156708.2	F02C 9/22	(21) EP17177567.9
(47) 13.04.2022	(11) EP2820255	(47) 13.04.2022
(22) 09.02.2016	(21) EP13785331.3	(22) 23.06.2017
(54) INCLINED CROSSOVER PASSAGES FOR INTERNAL AIRFOIL CAVITIES	(47) 13.04.2022	(54) HEATED LUBRICATION CIRCUIT
(73) Raytheon Technologies Corporation	(87) US2013025727	(73) HS Marston Aerospace Limited
(72) KING, Christopher	07.11.2013	(72) McCormick, John
QUACH, San	(22) 12.02.2013	(51) F01D 25/18
GUATSCHI, Steven Bruce	(54) VARIABLE AREA TURBINE	(11) EP3084146
(31) 201514618912	(73) Raytheon Technologies Corporation	(21) EP14825282.8
(32) 10.02.2015	(72) SCHWARZ, Frederick M.	(47) 13.04.2022
(33) United States of America	KUPRATIS, Daniel Bernard	(87) EP2014077892
(51) F01D 11/00	(31) 201213406748	25.06.2015
F16J 15/12	(32) 28.02.2012	(22) 16.12.2014
F16J 15/08	(33) United States of America	(54) APPARATUS FOR SEALING AN
(11) EP2977561	(51) F01D 21/00	INTERNAL ENVIRONMENT OF A
(21) EP15177432.0	F01D 25/00	TURBOMACHINE
(47) 13.04.2022	F02C 7/00	(73) Nuovo Pignone Tecnologie - S.r.l.
(22) 20.07.2015	F01D 21/04	(72) GIORDANO, Rosaria
(54) FLEXIBLE LAYERED SEAL FOR TURBOMACHINERY	F01D 15/12	BIANCO, Lucrezia
(73) General Electric Company	(11) EP3575561	MARIOTTI, Gabriele
(72) WEBER, David Wayne	(21) EP19183996.8	(31) CO20130070
SARAWATE, Neelesh Nandkumar	(47) 13.04.2022	(32) 18.12.2013
	(22) 03.12.2013	(33) Italy
	(54) A TURBOFAN ENGINE AND A	(51) F01K 3/02
	METHOD OF CONTROLLING LOADS	F01K 23/10
	ON A SPEED REDUCTION DEVICE	

(11) EP3775502	(87) EP2017073298	(47) 13.04.2022
(21) EP19729678.3	22.03.2018	(87) EP2018063584
(47) 13.04.2022	(22) 15.09.2017	27.12.2018
(87) EP2019064277	(54) DEVICE AND METHOD FOR	(22) 24.05.2018
26.12.2019	REDUCING NITROGEN OXIDES IN	(54) INTERNAL COMBUSTION ENGINE
(22) 03.06.2019	EXHAUST	(73) Bayerische Motoren Werke
(54) METHOD FOR OPERATING A POWER	(73) HYDROGENIOUS LOHC	Aktiengesellschaft
PLANT	TECHNOLOGIES GMBH	(72) SCHWARZ, Christian
(73) Siemens Energy Global GmbH & Co. KG	(72) WENSING, Michael	(31) 102017210582
(72) ZEIS, Maria	KARL, Jürgen	(32) 23.06.2017
HENNING, Michael	ARLT, Wolfgang	(33) Germany
WIESENMÜLLER, Wolfgang	(31) 102016011208	(51) F02B 37/24
(31) 102018210240	(32) 16.09.2016	F01D 5/14
(32) 22.06.2018	(33) Germany	F01D 17/16
(33) Germany	(51) F01N 3/20	(11) EP3477075
(51) F01K 3/12	F01N 5/02	(21) EP16924655.0
F01K 23/04	F01N 5/04	(47) 13.04.2022
F01K 25/10	F02G 5/02	(87) JP2016088036
(11) EP3256700	F25B 9/00	28.06.2018
(21) EP16704907.1	F25B 11/00	(22) 21.12.2016
(47) 13.04.2022	F25B 13/00	(54) TURBOCHARGER, TURBOCHARGER
(87) GB2016050327	(11) EP3663552	NOZZLE VANE, AND TURBINE
18.08.2016	(21) EP19214299.0	(73) Mitsubishi Heavy Industries Engine &
(22) 11.02.2016	(47) 13.04.2022	Turbocharger, Ltd.
(54) METHOD FOR ENERGY STORAGE	(22) 06.12.2019	(72) DAMMOTO, Yosuke
(73) Futurebay Limited	(54) METHOD AND SYSTEM FOR	AKIYAMA, Yoji
(72) HUTCHINGS, Adrian Charles	THERMAL MANAGEMENT OF AN	GUPTA, Bipin
(31) 201502249	AFTER TREATMENT SYSTEM OF AN	YOSHIDA, Toyotaka
(32) 11.02.2015	INTERNAL COMBUSTION ENGINE	(51) F02B 39/00
(33) United Kingdom	(73) FPT Motorenforschung AG	F01D 17/14
(51) F01N 3/02	(72) WACHTER, Ralph	F01D 25/24
F02D 41/02	FESSLER, Harald	(11) EP3617476
(11) EP2546483	(31) 201800010899	(21) EP17921069.5
(21) EP11753147.5	(32) 07.12.2018	(47) 13.04.2022
(47) 13.04.2022	(33) Italy	(87) JP2017029080
(87) JP2011053231	(51) F01N 3/28	14.02.2019
15.09.2011	B62M 7/02	(22) 10.08.2017
(22) 16.02.2011	F01N 3/20	(54) TURBINE FOR TURBOCHARGER, AND
(54) EXHAUST GAS TREATMENT SYSTEM	F01N 3/24	TURBOCHARGER
FOR ENGINE	F01N 13/18	(73) Mitsubishi Heavy Industries Engine &
(73) Yanmar Power Technology Co., Ltd.	F01N 13/00	Turbocharger, Ltd.
(72) SHIOMI Hideo	(11) EP3498996	(72) HOSHI, Toru
TOGASHI Taichi	(21) EP17839183.5	GUPTA, Bipin
(31) 2010052004	(47) 13.04.2022	YOKOYAMA, Takao
(32) 09.03.2010	(87) JP2017026357	YOSHIDA, Toyotaka
(33) Japan	15.02.2018	(51) F02C 7/04
(51) F01N 3/08	(22) 20.07.2017	F02C 7/00
F01N 3/10	(54) EXHAUST STRUCTURE FOR	F02K 3/06
F01N 13/00	SADDLED VEHICLE	(11) EP3564507
F01N 3/20	(73) Honda Motor Co., Ltd.	(21) EP19174038.0
F01N 3/30	(72) MAKI, Satoru	(47) 13.04.2022
(11) EP3620625	KAWANO, Sunao	(22) 26.02.2014
(21) EP19195665.5	YAMADA, Tsunaki	(54) GAS TURBINE ENGINE INLET
(47) 13.04.2022	KITAMOTO, Hiroshi	(73) Raytheon Technologies Corporation
(22) 05.09.2019	OMORI, Jumpei	(72) LORD, Wesley K.
(54) EXHAUST AFTER TREATMENT	(31) 2016157531	MILLER, Robert M
SYSTEM	(32) 10.08.2016	QIU, Yuan J
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(33) Japan	HENDRICKS, Gavin
(72) SAKUMA, Tetsuya	(51) F02B 37/00	(31) 201361772460 P
(31) 2018166938	F02B 37/007	(32) 04.03.2013
(32) 06.09.2018	F02B 37/02	(33) United States of America
(33) Japan	F02B 37/04	(51) F02C 7/06
(51) F01N 3/20	F02B 39/10	F01D 25/18
C01B 3/00	F02B 75/22	F01D 25/16
C01B 3/26	F02B 39/04	F01M 11/02
(11) EP3513047	F02B 75/18	F02C 7/36
(21) EP17768770.4	(11) EP3642463	(11) EP3792472
(47) 13.04.2022	(21) EP18726991.5	(21) EP20201613.5

(47) 13.04.2022	F02C 9/28	(72) HUA, Dongyun
(22) 25.11.2014	(11) EP3670875	HSU, Stephen, M.
(54) GAS TURBINE ENGINE WITH FAN DRIVE GEAR SYSTEM INCLUDING A TWO-PIECE FAN SHAFT WITH LUBRICANT TRANSFER LEAKAGE RECAPTURE	(21) EP19218339.0	MO, Yufei
(73) Raytheon Technologies Corporation	(47) 13.04.2022	JING, Yang
(72) SHERIDAN, William G.	(22) 19.12.2019	CHAN, Ming
BLUME, Karl D.	(54) GAS TURBINE ENGINE SYSTEM WEAR REDUCTION	(31) 201161445507 P
(31) 201361921791 P	(73) Raytheon Technologies Corporation	201161445503 P
(32) 30.12.2013	(72) WITALIS, Stephen A.	(32) 22.02.2011
(33) United States of America	CHOWDHURY, Subhradeep	22.02.2011
(51) F02C 7/18	RAJAGOPALAN, Ramesh	(33) United States of America
F01D 25/12	(31) 201862781744 P	United States of America
F01D 5/18	(32) 19.12.2018	(51) F02K 1/76
(11) EP3063389	(33) United States of America	(11) EP3527813
(21) EP14857390.0	(51) F02D 41/02	(21) EP19160136.8
(47) 13.04.2022	F02D 41/08	(47) 13.04.2022
(87) US2014060801	F02D 41/14	(22) 07.10.2014
07.05.2015	F02D 37/02	(54) GIMBAL PIN FOR JET PROPULSION SYSTEM
(22) 16.10.2014	F01N 3/023	(73) Rohr, Inc.
(54) BORE-COOLED FILM DISPENSING PEDESTALS	F01N 9/00	(72) FRANCISCO, Jay
(73) Raytheon Technologies Corporation	(11) EP3685031	KEE, Jimmy
(72) SLAVENS, Thomas N.	(21) EP18769759.4	(31) 201314062733
SNYDER, Brooks E.	(47) 13.04.2022	(32) 24.10.2013
(31) 201361897261 P	(87) FR2018052107	(33) United States of America
(32) 30.10.2013	28.03.2019	(51) F02K 9/26
(33) United States of America	(22) 27.08.2018	F02K 9/32
(51) F02C 7/25	(54) METHOD FOR REGENERATING A PARTICULATE FILTER FOR A HEAT ENGINE	F02K 9/94
G08B 17/113	(73) PSA Automobiles SA	F02K 9/95
(11) EP3505740	(72) FOLLIO, Pascal	(11) EP3440332
(21) EP18201169.2	LAIGLE, Emmanuel	(21) EP16788851.0
(47) 13.04.2022	(31) 1758678	(47) 13.04.2022
(22) 18.10.2018	(32) 19.09.2017	(87) US2016056387
(54) RAIL-MOUNTED FIRE DETECTION SYSTEM	(33) France	12.10.2017
(73) Kidde Technologies, Inc.	(51) F02D 41/04	(22) 11.10.2016
(72) KUPPUSAMY, Balasunder	F02D 43/00	(54) THRUSTER WITH SEGMENTED PROPELLANT
(31) 201711036996	F02D 45/00	(73) Raytheon Company
(32) 18.10.2017	F02D 9/02	(72) LANGHENRY, Mark T.
(33) India	F02D 23/00	DANFORTH, Jeremy C.
(51) F02C 7/36	F02B 37/00	PONTIUS, Paul E.
F02K 3/06	F02B 37/18	PAPE, Brian M.
F16H 1/28	F02M 26/00	VILLARREAL, Thomas
F16H 57/08	F02D 41/40	LYMAN, Ward D.
H02K 7/116	(11) EP2998551	STALLINGS, Jared D.
H02K 7/18	(21) EP14774994.9	SUMMERS, Matt H.
H02K 21/24	(47) 13.04.2022	KOEHLER, Frederick B.
H02K 16/00	(87) JP2014050142	VILLARREAL, James K.
(11) EP3848569	02.10.2014	(31) 201615091245
(21) EP21150390.9	(22) 08.01.2014	(32) 05.04.2016
(47) 13.04.2022	(54) CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE	(33) United States of America
(22) 06.01.2021	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(51) F02M 35/024
(54) REDUCTION GEAR FOR TURBINE ENGINE PROVIDED WITH AN ELECTRIC GENERATOR	(72) KUZE, Yasuhiro	B01D 46/10
(73) Safran Transmission Systems	(31) 2013066968	(11) EP3377750
(72) MORELLI, Boris Pierre Marcel	(32) 27.03.2013	(21) EP16866913.3
RAPPAPORT, Florian	(33) Japan	(47) 13.04.2022
NIEPCERON, Clément Paul René	(51) F02F 1/20	(87) US2016061837
CHARPENTIER, Bernard Guy Antoine	F16J 10/04	26.05.2017
(31) 2000156	(11) EP2678546	(22) 14.11.2016
(32) 09.01.2020	(21) EP12749698.2	(54) FILTER MEDIA PACK WITH POROUS WRAPPER
(33) France	(47) 13.04.2022	(73) Baldwin Filters, Inc.
(51) F02C 9/26	(87) US2012025949	(72) VON SEGGERN, Michael J.
F02C 9/52	30.08.2012	ROGERS, Jeffrey E. D.
	(22) 21.02.2012	KRULL, Timothy L.
	(54) FRICTION REDUCTION FOR ENGINE COMPONENTS	(31) 201562257836 P
	(73) The George Washington University	(32) 20.11.2015
		(33) United States of America
		(51) F02M 35/14

F02M 35/12	(31) 102015122126	(73) Heerema Marine Contractors Nederland
F02M 35/02	(32) 17.12.2015	SE
F02M 35/024	(33) Germany	(72) ZOONTJES, Richard, Petrus, Gerhardus
(11) EP3757381	(51) F03D 7/04	HILLENAAR, Maikel
(21) EP20182234.3	(11) EP3394437	DE JONG, Jurgen Albertus
(47) 13.04.2022	(21) EP16877729.0	(31) 2019718
(22) 25.06.2020	(47) 13.04.2022	(32) 12.10.2017
(54) STRADDLED VEHICLE	(87) CN2016111289	(33) Netherlands
(73) YAMAHA HATSUDOKI KABUSHIKI	29.06.2017	(51) F03D 13/20
KAISHA	(22) 21.12.2016	F03D 5/00
(72) SHIRAISHI, Naoya	(54) METHOD AND SYSTEM OF	F03D 13/10
KITAMURA, Eigo	OPERATING A WIND TURBINE FARM	(11) EP3631193
(31) 2019122003	(73) Envision Energy (Jiangsu) Co., Ltd.	(21) EP18724126.0
(32) 28.06.2019	(72) WANG, Linpeng	(47) 13.04.2022
(33) Japan	ZHANG, Feng	(87) DK2018050095
(51) F02M 61/16	CHEN, Anthony Tong	29.11.2018
F16K 31/06	SHAH, Jigar Jayesh	(22) 04.05.2018
F02M 26/67	(31) 201570852	(54) METHOD FOR DISMANTLING A
F16K 1/36	(32) 22.12.2015	WIND TURBINE AND ERECTING
F16K 27/02	(33) Denmark	AN AIRBORNE WIND ENERGY
F01L 1/344	(51) F03D 7/04	GENERATING SYSTEM
(11) EP3532723	(11) EP3265675	(73) Vestas Wind Systems A/S
(21) EP17772719.5	(21) EP16706379.1	(72) LINDHOLST, Peter
(47) 13.04.2022	(47) 13.04.2022	BAUN, Torben Ladegaard
(87) EP2017074494	(87) EP2016054092	(31) PA201770379
03.05.2018	09.09.2016	(32) 24.05.2017
(22) 27.09.2017	(22) 26.02.2016	(33) Denmark
(54) SOLENOID VALVE FOR AN INTERNAL	(54) METHOD FOR OPERATING A WIND	(51) F04B 43/12
COMBUSTION ENGINE	TURBINE	(11) EP3775554
(73) Pierburg GmbH	(73) Wobben Properties GmbH	(21) EP19721337.4
(72) LAPPAN, Rolf	(72) BEEKMANN, Alfred	(47) 13.04.2022
GRÜNHAGEN, Thomas	KRUSE, Marcel	(87) GB2019050898
HENZE, Nikolaus	(31) 102015203841	03.10.2019
SCHWARZ, Markus	(32) 04.03.2015	(22) 28.03.2019
ROMANOWSKI, Lukas	(33) Germany	(54) A PUMPING APPARATUS FOR
YILMAZ, Turgut	(51) F03D 13/00	DISPENSING A FLOWABLE PRODUCT
(31) 102016120551	F03D 13/10	(73) Hodges & Drake Design Limited
(32) 27.10.2016	F03D 13/40	(72) WILDE, Ronan
(33) Germany	(11) EP3397854	HODGES, Kevin
(51) F03D 1/06	(21) EP16828711.8	(31) 201805144
(11) EP3755899	(47) 13.04.2022	(32) 29.03.2018
(21) EP19706522.0	(87) DK2016050464	(33) United Kingdom
(47) 13.04.2022	06.07.2017	(51) F04C 18/02
(87) EP2019053932	(22) 23.12.2016	F04C 28/16
22.08.2019	(54) TRANSPORT FRAMES FOR A WIND	(11) EP3159542
(22) 18.02.2019	TURBINE BLADE	(21) EP15809073.8
(54) ROTOR BLADE OF A WIND TURBINE,	(73) Vestas Wind Systems A/S	(47) 13.04.2022
HAVING A SPLITTER PLATE	(72) THOMSEN, Peter Frans	(87) JP2015002856
(73) Wobben Properties GmbH	BOTWRIGHT, Adrian	23.12.2015
(72) KNEISSL, Stefan	JASPER, Carsten	(22) 08.06.2015
STEMBERG, Jochen	DAM, Martin	(54) SCROLL COMPRESSOR
(31) 102018103678	VAHLE, Troels	(73) Panasonic Intellectual Property
(32) 19.02.2018	FREDRIKSEN, Kristoffer Lolk	Management Co., Ltd.
(33) Germany	(31) 201523122	(72) OGATA, Takeshi
(51) F03D 7/02	(32) 30.12.2015	MORIMOTO, Takashi
G01S 19/14	(33) United Kingdom	SAKUDA, Atsushi
G01S 19/53	(51) F03D 13/10	IMAI, Yusuke
(11) EP3390814	F03D 13/20	HAYASHI, Akihiro
(21) EP16812945.0	F03D 13/40	YAMADA, Sadayuki
(47) 13.04.2022	(11) EP3695113	(31) 2014137824
(87) EP2016081259	(21) EP18812340.0	2014126892
22.06.2017	(47) 13.04.2022	(32) 03.07.2014
(22) 15.12.2016	(87) NL2018050667	20.06.2014
(54) METHOD FOR DETERMINING AN	18.04.2019	(33) Japan
AZIMUTH ANGLE OF A WIND TURBINE	(22) 10.10.2018	Japan
(73) Wobben Properties GmbH	(54) SYSTEM FOR PLACING A WIND	(51) F04C 29/12
(72) JANDL, Marc	TURBINE ASSEMBLY ON A SUPPORT	F04C 23/00
WEBER, Marcel	STRUCTURE	F04C 29/00

(11) EP3636930	(54) HIGH EFFICIENCY LOW SPECIFIC	KIM, Changlae
(21) EP17912579.4	SPEED CENTRIFUGAL PUMP	KIM, Byungjik
(47) 13.04.2022	(73) Nuovo Pignone Tecnologie - S.r.l.	(31) 20180146314
(87) CN2017118250	(72) BERGAMINI, Lorenzo	(32) 23.11.2018
13.12.2018	(31) FI20120210	(33) Korea (Republic)
(22) 25.12.2017	(32) 15.10.2012	(51) F04D 29/24
(54) MULTI-STAGE COMPRESSOR AND AIR	(33) Italy	F04D 29/18
CONDITIONER	(51) F04D 17/16	F04D 7/04
(73) Gree Electric Appliances (Wuhan) Co.,	F04D 25/08	F04D 29/22
Ltd.	F04D 29/28	(11) EP3341614
Gree Electric Appliances, Inc. of Zhuhai	F04D 29/58	(21) EP16838135.8
(72) BI, Yushi	H02K 9/06	(47) 13.04.2022
CAO, Cong	H02K 9/14	(87) AU2016050798
ZHANG, Tianyi	F04D 29/30	02.03.2017
(31) 201710413461	(11) EP3575609	(22) 26.08.2016
(32) 05.06.2017	(21) EP19177703.6	(54) ROTARY PARTS FOR A SLURRY PUMP
(33) China	(47) 13.04.2022	(73) Weir Minerals Australia Ltd
(51) F04D 3/00	(22) 31.05.2019	Weir Minerals Europe Limited
F04B 9/14	(54) SYSTEM HAVING MACHINE AND FAN	(72) WALKER, Craig Ian
F04B 53/12	(73) ABB Schweiz AG	LODERER, Pavol
F04B 53/14	(72) Liou, Joe J.	(31) 2015903450
F24D 19/00	Dong, Qimin	(32) 26.08.2015
F04B 13/00	Rakuff, Stefan	(33) Australia
(11) EP2596245	(31) 201815994649	(51) F04D 29/42
(21) EP11749473.2	(32) 31.05.2018	F04D 13/16
(47) 13.04.2022	(33) United States of America	F04D 29/62
(87) GB2011001111	(51) F04D 19/04	F04D 13/06
26.01.2012	F01C 21/10	F04D 29/02
(22) 22.07.2011	F04C 25/02	F16K 15/06
(54) FLUID DOSE DISPENSING	(11) EP3739166	F16K 27/02
APPARATUS	(21) EP20198997.7	(11) EP3156660
(73) Abbott, Kevin	(47) 13.04.2022	(21) EP15189911.9
(72) Abbott, Kevin	(22) 29.09.2020	(47) 13.04.2022
(31) 201012320	(54) VACUUM PUMP, SCROLL PUMP AND	(22) 15.10.2015
201012322	METHOD OF MANUFACTURING SAME	(54) DOMESTIC WATER SYSTEM
(32) 22.07.2010	AND CHECK VALVE	WITH CENTRIFUGAL PUMP AND
22.07.2010	(73) PFEIFFER VACUUM GMBH	MEMBRANE PRESSURE TANK
(33) United Kingdom	(72) Bernhardt, Gernot	(73) Grundfos Holding A/S
United Kingdom	Kallenborn, Stefan	(72) VINTHER TOFT, Bjarne
(51) F04D 13/06	Hofmann, Jan	(51) F15B 13/043
F04D 29/58	Willig, Michael	F15B 13/044
F01P 5/12	Becker, Jonas	F16K 31/06
F04D 29/70	Harapat, Erhard	(11) EP3597939
(11) EP3545196	Söhngen, Wolfgang	(21) EP18461587.0
(21) EP17768126.9	Pauli, Lars	(47) 13.04.2022
(47) 13.04.2022	Schaefer, Heiko	(22) 20.07.2018
(87) EP2017073387	Wangorsch, Verena	(54) SERVO VALVE
31.05.2018	(31) 19201749	(73) Hamilton Sundstrand Corporation
(22) 18.09.2017	19201745	(72) Korczynski, Marcin
(54) MOTOR VEHICLE ELECTRIC	(32) 07.10.2019	(51) F15B 15/12
COOLANT PUMP	07.10.2019	E21B 34/02
(73) Pierburg Pump Technology GmbH	(33) European Patent Office (EPO)	E21B 33/035
(72) MAETER, DR., Hemke	European Patent Office (EPO)	E21B 34/04
STEIGER, Falk	(51) F04D 29/057	(11) EP3161328
HEITZIG, Lars	F04D 29/058	(21) EP15732911.1
REICHEL, Clemens	F04D 29/059	(47) 13.04.2022
(31) 102016122784	F16C 21/00	(87) GB2015051827
(32) 25.11.2016	F16C 32/04	07.01.2016
(33) Germany	F16C 41/00	(22) 23.06.2015
(51) F04D 15/00	F04D 25/06	(54) TEST TREE AND ACTUATOR
F04D 29/10	(11) EP3657023	(73) Interventek Subsea Engineering Limited
F04D 29/16	(21) EP19207377.3	(72) COWIE, Gavin David
(11) EP2912318	(47) 13.04.2022	SANGSTER, John David
(21) EP13774691.3	(22) 06.11.2019	(31) 201411639
(47) 13.04.2022	(54) MOTOR	(32) 30.06.2014
(87) EP2013071404	(73) LG Electronics Inc.	(33) United Kingdom
24.04.2014	(72) KIM, Sunggi	(51) F15B 21/14
(22) 14.10.2013	KIM, Taeho	

E02F 9/22	(33) Italy	(54) ROLLING BEARING, WIND TURBINE, AND METHOD FOR OPERATING A ROLLING BEARING
F15B 11/024	(51) F16C 11/06	
(11) EP3203089	B60H 1/34	(73) thyssenkrupp AG
(21) EP15847051.8	(11) EP3832154	thyssenkrupp rothe erde Germany GmbH
(47) 13.04.2022	(21) EP21153515.8	(72) ELFERT, Gunther
(87) JP2015076349	(47) 13.04.2022	LÖFFLER, Stefan
07.04.2016	(22) 11.10.2019	ROLLMANN, Jörg
(22) 16.09.2015	(54) BEARING MEMBER FOR A BALL JOINT AND BALL JOINT ASSEMBLY COMPRISING A BEARING MEMBER	LÜNEBURG, Bernd
(54) WORKMACHINE COMPRISING A HYDRAULIC DRIVE SYSTEM	(73) Dr. Schneider Kunststoffwerke GmbH	(31) 102016118054
(73) Hitachi Construction Machinery Co., Ltd.	(72) Kamm, Daniel	102016101276
(72) IMURA Shinya	Buss, Alexander	(32) 23.09.2016
ISHIKAWA Kouji	Löffler, Michael	26.01.2016
HIJIKATA Seiji	(31) 102018125619	(33) Germany
(31) 2014204348	(32) 16.10.2018	Germany
(32) 02.10.2014	(33) Germany	
(33) Japan	(51) F16C 17/02	(51) F16C 43/06
(51) F16B 3/06	B60G 21/055	F16C 33/41
F16B 5/02	F16C 23/04	(11) EP3760888
(11) EP3500758	F16C 25/04	(21) EP20184084.0
(21) EP17758375.4	F16C 27/02	(47) 13.04.2022
(47) 13.04.2022	F16C 33/04	(22) 03.07.2020
(87) US2017047218	F16C 33/14	(54) ROLLING BEARING CAGE, ASSOCIATED ASSEMBLY AND ASSOCIATED METHODS FOR MOUNTING AND DEMOUNTING
22.02.2018	(11) EP3775587	(73) NTN-SNR ROULEMENTS
(22) 16.08.2017	(21) EP19712525.5	(72) TEILLOU, Cyprien
(54) APPARATUS FOR FASTENING AND/OR ALIGNING OBJECTS	(47) 13.04.2022	GOUDET, Ivan
(73) Hytorc Division Unex Corporation	(87) EP2019056091	CALATRABA, David
(72) EBLER, Stefan	17.10.2019	LEFORT, Guillaume
OEHMS, Ulrich, Wilhelm	(22) 12.03.2019	PALLANCHARD, Vincent
MELENCIO, Jean, Paul	(54) OSCILLATING MOTOR OF AN ACTIVE ROLL STABILISER	BONNAUDET, Aurélien
(31) 201662375682 P	(73) ZF Friedrichshafen AG	(31) 1914102
(32) 16.08.2016	(72) SCHIESS, Marc	1907413
(33) United States of America	MAIR, Ulrich	(32) 10.12.2019
(51) F16B 5/02	(31) 102018205509	03.07.2019
F16B 35/04	(32) 12.04.2018	(33) France
F16B 41/00	(33) Germany	France
(11) EP3120033	(51) F16C 17/02	(51) F16D 3/54
(21) EP15764490.7	F16C 29/02	F16D 3/74
(47) 13.04.2022	F16C 33/10	B62D 5/04
(87) US2015021311	F02F 1/20	F16D 3/68
24.09.2015	F02F 3/02	(11) EP3660346
(22) 18.03.2015	(11) EP3669093	(21) EP18839089.2
(54) STABILIZED PANEL FASTENER	(21) EP18734920.4	(47) 13.04.2022
(73) Penn Engineering & Manufacturing Corp.	(47) 13.04.2022	(87) JP2018027523
(72) HE, Yi	(87) GB2018051690	31.01.2019
(31) 201461955473 P	21.02.2019	(22) 23.07.2018
(32) 19.03.2014	(22) 19.06.2018	(54) TORQUE TRANSMISSION JOINT AND ELECTRIC POWER STEERING DEVICE
(33) United States of America	(54) A BEARING ASSEMBLY	(73) NSK Ltd.
(51) F16B 5/12	(73) Ford Global Technologies, LLC	(72) ISHII, Toru
F16B 21/08	(72) GANGOPADHYAY, Arup	KUROKAWA, Yoshifumi
F16B 21/07	VLADESCU, Sorin-Cristian	SEGAWA, Toru
E04B 9/04	REDDYHOFF, Thomas	(31) 2017143554
E04B 9/26	STARK, Roland	(32) 25.07.2017
F16B 5/06	TUFAIL, Khizer	(33) Japan
F16B 2/04	(31) 201712976	
E04F 13/08	(32) 14.08.2017	(51) F16D 51/02
E04B 9/18	(33) United Kingdom	B23Q 16/10
(11) EP3736455	(51) F16C 33/66	F16D 59/02
(21) EP20170781.7	(11) EP3408549	F16D 71/00
(47) 13.04.2022	(21) EP17701480.0	F16D 125/66
(22) 22.04.2020	(47) 13.04.2022	F16D 121/06
(54) DEVICE AND KIT FOR FIXING PANELS TO A STRUCTURE	(87) EP2017051465	(11) EP3516254
(73) Volpato Daniele	03.08.2017	(21) EP17778136.6
(72) VOLPATO, Daniele	(22) 25.01.2017	(47) 13.04.2022
(31) 201900006630		(87) US2017052900
(32) 08.05.2019		29.03.2018

(22) 22.09.2017	(31) 102012211491	(33) Germany
(54) MODULAR ZERO BACKLASH DEFAULT TO LOCK BRAKE/LOCKING APPARATUS	(32) 03.07.2012	(51) F16H 1/28
(73) Nexen Group, Inc.	(33) Germany	(11) EP3688339
(72) HILLUKKA, Justin William	(51) F16F 15/00	(21) EP18779618.0
KLIBER, Anthony Will	B25J 9/00	(47) 13.04.2022
(31) 201662398011 P	B25J 19/00	(87) EP2018075870
(32) 22.09.2016	F16F 7/10	04.04.2019
(33) United States of America	B25J 9/16	(22) 25.09.2018
(51) F16D 55/2265	(11) EP3690277	(54) GEARING ASSEMBLY FOR AN ADJUSTING UNIT
F16D 65/097	(21) EP19209923.2	(73) KEIPER Seating Mechanisms Co., Ltd.
(11) EP3250839	(47) 13.04.2022	(72) HO, Van-Toan
(21) EP16709576.9	(22) 19.11.2019	(31) 102017217050
(47) 13.04.2022	(54) COUPLINGS THAT ACTIVELY STABILIZE VIBRATIONS	(32) 26.09.2017
(87) IB2016050403	(73) The Boeing Company	(33) Germany
04.08.2016	(72) SAILING, John D Sr	(51) F16H 23/04
(22) 27.01.2016	AHN, Jonathan Y	F16H 23/00
(54) PAD AND SPRING ASSEMBLY FOR A DISC BRAKE CALIPER	(31) 201916245972	F16H 21/00
(73) BREMBO S.p.A.	(32) 11.01.2019	F16H 15/04
(72) BERRA, Simone	(33) United States of America	F16H 25/18
RATTI, Marco	(51) F16F 15/04	(11) EP2610524
TOMASZ, Woloszyn	(11) EP2942543	(21) EP11820217.5
(31) BG20150001	(21) EP15165436.5	(47) 13.04.2022
(32) 30.01.2015	(47) 13.04.2022	(87) KR2011006342
(33) Italy	(22) 28.04.2015	01.03.2012
(51) F16D 66/02	(54) ISOLATION DEVICE FOR ABSORBING SEISMIC WAVES SUFFERED BY A REFERENCE SURFACE	(22) 26.08.2011
F16D 55/40	(73) FIP MEC S.R.L.	(54) FORCE TRANSFER MECHANISM
(11) EP3748189	(72) Castellano, Maria Gabriella	(73) Kim, Young Hee
(21) EP19214533.2	Colato, Gian Paolo	(72) Kim, Young Hee
(47) 13.04.2022	(31) PD20140119	(31) 20100083687
(22) 09.12.2019	(32) 09.05.2014	20110085858
(54) RETRACTABLE ELECTRONIC WEAR PIN	(33) Italy	(32) 27.08.2010
(73) Goodrich Corporation	(51) F16G 1/28	26.08.2011
(72) GEORGIN, Marc	B29D 29/08	(33) Korea (Republic)
(31) 201916370143	(11) EP3617548	Korea (Republic)
(32) 29.03.2019	(21) EP18790983.3	(51) F16H 25/20
(33) United States of America	(47) 13.04.2022	F16F 13/02
(51) F16F 1/02	(87) JP2018016500	(11) EP3339683
F16F 1/18	01.11.2018	(21) EP16206401.8
F16F 3/02	(22) 23.04.2018	(47) 13.04.2022
(11) EP3751169	(54) TOOTHED BELT	(22) 22.12.2016
(21) EP20189468.0	(73) Mitsuboshi Belting Ltd.	(54) LINEAR ACTUATOR WITH DAMPING MEANS
(47) 13.04.2022	(72) TAMURA Eiki	(73) Goodrich Actuation Systems Limited
(22) 01.09.2017	(31) 2018079008	(72) Haworth, Andrew
(54) BI-DIRECTIONAL NON-LINEAR SPRING	2017085025	Morgan, Antony
(73) Raytheon Company	(32) 17.04.2018	(51) F16H 25/22
(72) AGUILERA, Ricardo A.	24.04.2017	F16H 25/24
BULLARD, Andrew L.	(33) Japan	B62D 5/04
WILSON, Shane E.	Japan	F16H 25/20
YATES, Ryan	(51) F16G 11/02	(11) EP3557096
(31) 201615344434	E04G 21/00	(21) EP18168493.7
(32) 04.11.2016	F16G 11/14	(47) 13.04.2022
(33) United States of America	(11) EP3649371	(22) 20.04.2018
(51) F16F 9/38	(21) EP18756177.4	(54) IMBALANCE COMPENSATION METHOD UND BALL SCREW DRIVE WITH POWER TRANSMISSION ELEMENT ACCORDING TO THIS METHOD
F16F 9/05	(47) 13.04.2022	(73) SFS Group International AG
(11) EP2870378	(87) EP2018071757	(72) SCHÄDLICH, André
(21) EP13732419.0	21.02.2019	PERIC, Edi
(47) 13.04.2022	(22) 10.08.2018	FREI, Stefan
(87) EP2013062871	(54) SYSTEM CONSISTING OF STATICALLY LOADABLE COMPONENTS IN A STRUCTURE	ZACH, Marijo
09.01.2014	(73) Pfeifer Holding GmbH & Co. KG	(51) F16H 49/00
(22) 20.06.2013	(72) FITZ, Christian	B62M 6/55
(54) AIR SPRING STRUT	(31) 202017104917 U	(11) EP3692279
(73) Continental Teves AG & Co. OHG	(32) 16.08.2017	
(72) GLEU, Jens Uwe		

(21) EP18804044.8	F16J 15/52	(21) EP17826866.0
(47) 13.04.2022	G10K 11/16	(47) 13.04.2022
(87) GB2018052838	F16J 15/3216	(87) CN2017089310
11.04.2019	B62D 1/16	18.01.2018
(22) 04.10.2018	F16J 15/322	(22) 21.06.2017
(54) TRANSMISSION SYSTEMS FOR	(11) EP3828447	(54) FLOW CONTROL APPARATUS
VEHICLES	(21) EP19841309.8	(73) Zhejiang Sanhua Intelligent Controls Co.,
(73) Freeflow Technologies Limited	(47) 13.04.2022	Ltd.
(72) MACMARTIN, Neil	(87) JP2019025060	(72) WU, Zhi
EDWARDS, Neil	30.01.2020	YU, Yumin
(31) 201716311	(22) 25.06.2019	JIANG, Huayuan
(32) 05.10.2017	(54) SEALING DEVICE	(31) 201610551487
(33) United Kingdom	(73) NOK Corporation	(32) 12.07.2016
(51) F16H 59/02	(72) SUZUKI Atsushi	(33) China
F16H 61/00	(31) 2018139776	(51) F16K 31/06
F16H 61/16	(32) 25.07.2018	F16K 1/36
F16H 61/24	(33) Japan	(11) EP3359851
(11) EP3478990	(51) F16J 15/3232	(21) EP16781071.2
(21) EP16741258.4	F16J 3/04	(47) 13.04.2022
(47) 13.04.2022	F16J 15/3224	(87) EP2016073116
(87) EP2016065718	F16J 15/3252	13.04.2017
11.01.2018	F16J 15/52	(22) 28.09.2016
(22) 04.07.2016	G10K 11/16	(54) ELECTROMAGNETIC SWITCH VALVE
(54) GEAR SELECT MODULES WITH	F16J 15/324	(73) Kendrion (Villingen) GmbH
INTENTION DETECTOR	(11) EP3828448	(72) BERGFELD, Björn
(73) Fico Triad, S.A.	(21) EP19841992.1	ZELANO, Frank
(72) BATLLE MARTIN, Josep Maria	(47) 13.04.2022	BÜRK, Wolfgang
FERRÉ RIPOLL, Jaume	(87) JP2019025061	FLÜHS, Joachim
DOMINGUIS BOTELLA, Marc	30.01.2020	(31) 102015116909
(51) F16H 59/10	(22) 25.06.2019	(32) 05.10.2015
F16H 59/02	(54) SEALING DEVICE	(33) Germany
F16H 61/22	(73) NOK Corporation	(51) F16L 1/12
(11) EP3012490	(72) SUZUKI Atsushi	F16L 11/08
(21) EP15190343.2	(31) 2018139777	F16L 11/12
(47) 13.04.2022	(32) 25.07.2018	F16L 11/127
(22) 19.10.2015	(33) Japan	F16L 53/00
(54) SHIFT DEVICE	(51) F16K 1/22	(11) EP3551916
(73) KABUSHIKI KAISHA TOKAI RIKI	F24F 13/14	(21) EP17780874.8
DENKI SEISAKUSHO	B29C 59/00	(47) 13.04.2022
(72) NAKANISHI, Kenji	(11) EP3794255	(87) GB2017052960
(31) 2014214784	(21) EP20731347.9	21.06.2018
(32) 21.10.2014	(47) 13.04.2022	(22) 03.10.2017
(33) Japan	(87) US2020033859	(54) DETECTING METHOD
(51) F16J 13/04	26.11.2020	(73) Baker Hughes Energy Technology UK
F16J 13/24	(22) 20.05.2020	Limited
(11) EP3803162	(54) METHOD FOR PRODUCING AN	(72) NOTT, Philip Michael
(21) EP19739736.7	AIRDUCT DAMPER, DAMPER	MCNABB, John Cross
(47) 13.04.2022	UNIT WITH SUCH A DAMPER, AND	(31) 201621120
(87) US2019035559	DUCTWORK WITH A DAMPER UNIT	(32) 12.12.2016
12.12.2019	HAVING SUCH A DAMPER	(33) United Kingdom
(22) 05.06.2019	(73) Capital Hardware Supply, LLC.	(51) F16L 9/12
(54) VESSEL CLOSURE DEVICE WITH FAIL	(72) YOSKOWITZ, David	F16L 13/02
SAFE FAILURE DETECTION MEANS	(31) 201962850020 P	F16L 47/02
(73) TDW Delaware, Inc.	(32) 20.05.2019	F16L 57/00
(72) MITCHELL, Joshua	(33) United States of America	(11) EP3760903
RITCHIE, Aaron, M.	(51) F16K 11/044	(21) EP19184335.8
TEFFT, William	F16K 31/06	(47) 13.04.2022
HENDRICKS, Robert, Fulton	F16K 27/02	(22) 04.07.2019
BOEHNING, Samuel, R.	(11) EP3771850	(54) MULTILAYERED TUBE AND METHODS
MORTON, Joseph, Alan	(21) EP19188849.4	OF USE AND MANUFACTURE
KEENAN, William	(47) 13.04.2022	(73) HakaGerodur AG
(31) 201862680801 P	(22) 29.07.2019	(72) VOLLENWEIDER, Bruno
(32) 05.06.2018	(54) VALVE SYSTEM	ALAIMO, Hugo
(33) United States of America	(73) BIERI HYDRAULIK AG	(51) F16L 11/15
(51) F16J 15/3232	(72) Josi, Ulrich	F16L 11/11
F16J 3/04	Schneider, Wolfgang	F16L 11/12
F16J 15/3224	(51) F16K 11/074	(11) EP3775652
F16J 15/3252	(11) EP3486537	(21) EP19716728.1

(47) 13.04.2022	(51) F16M 11/04	(31) 102017008211
(87) US2019024232	G05D 3/00	(32) 31.08.2017
03.10.2019	(11) EP3683488	(33) Germany
(22) 27.03.2019	(21) EP20155409.4	(51) F17C 5/06
(54) FLUID DUCT	(47) 13.04.2022	F17C 13/00
(73) DUPONT POLYMERS, INC.	(22) 14.03.2014	(11) EP3467370
(72) RENAUD, Michel C.	(54) CONTROL METHOD FOR PAN TILT	(21) EP16903200.0
(31) 201862649689 P	AND CONTROL SYSTEM OF PAN TILT	(47) 13.04.2022
(32) 29.03.2018	(73) SZ DJI Osmo Technology Co., Ltd.	(87) JP2016068242
(33) United States of America	(72) Wang, Mingyu	30.11.2017
(51) F16L 13/14	(51) F16N 11/08	(22) 20.06.2016
(11) EP3458760	F16N 29/00	(54) GAS-FILLING DEVICE
(21) EP17723687.4	F04B 53/12	(73) Tatsuno Corporation
(47) 13.04.2022	F04B 23/02	(72) TAKASE, Atsushi
(87) EP2017061594	F04B 49/04	TSUMURA, Yasuyuki
23.11.2017	F04B 53/06	KIMURA, Kiyoshi
(22) 15.05.2017	F04B 53/16	FUSE, Takayuki
(54) FITTING FOR PRODUCING	F16K 31/18	(31) 2016103128
A LEAKTIGHT CONNECTION	F16N 7/38	(32) 24.05.2016
COMPRISING A RETAINING ELEMENT	F16N 13/22	(33) Japan
WITH CONTACT SURFACES	F16N 11/00	(51) F17C 13/02
(73) Viega Technology GmbH & Co. KG	(11) EP3739255	(11) EP3760912
(72) MÜLLER, Andreas	(21) EP20173825.9	(21) EP20181320.1
WIETHOFF, Benedikt	(47) 13.04.2022	(47) 13.04.2022
ARNING, Ulrich	(22) 22.04.2016	(22) 22.06.2020
HARTMANN, Anton	(54) AUTOFILL SHUTOFF VALVE	(54) CYLINDER FOR PRESSURISED FLUID
RISCHEN, Christian	(73) Graco Minnesota Inc.	(73) L'Air Liquide Société Anonyme pour
KOST, Alexander	(72) HOLMAN, John C.	l'Etude et l'Exploitation des Procédés
(31) 102016109034	ATKINSON, Mike V.	Georges Claude
(32) 17.05.2016	GUSTAFSON, Brandon T.	(72) LAMIABLE, Morgan
(33) Germany	PAAR, Benjamin J.	FISCHER, Benjamin
(51) F16L 37/088	(31) 201662302417 P	RISSE, Claude
F16L 37/12	201662302395 P	FRENAL, Antoine
F16L 37/138	201562154222 P	(31) 1907550
(11) EP3918243	201562151593 P	(32) 05.07.2019
(21) EP20705946.0	(32) 02.03.2016	(33) France
(47) 13.04.2022	02.03.2016	(51) F17C 13/06
(87) EP2020054080	29.04.2015	(11) EP3289279
01.10.2020	23.04.2015	(21) EP16719065.1
(22) 17.02.2020	(33) United States of America	(47) 13.04.2022
(54) PLUG CONNECTION FOR FLUID	United States of America	(87) EP2016059301
LINES	United States of America	03.11.2016
(73) VOSS Fluid GmbH	United States of America	(22) 26.04.2016
(72) BERGHAUS, Gerd	(51) F17C 1/00	(54) MODULAR GAS EXTRACTION
POTT, Harald	F15B 1/16	SYSTEM FOR PRESSURIZED GAS
(31) 102019107909	F16L 55/053	BOTTLES
(32) 27.03.2019	(11) EP3565998	(73) Messer GasPack GmbH
(33) Germany	(21) EP15729729.2	(72) KRIESE, Alexander
(51) F16L 41/00	(47) 13.04.2022	(31) 102015005599
E03B 7/07	(87) US2015014907	(32) 29.04.2015
E04H 4/12	25.06.2015	(33) Germany
F16L 41/06	(22) 06.02.2015	(51) F21S 41/50
F16L 41/12	(54) BLADDER SURGE SUPPRESSOR	F21S 45/10
G01D 11/30	(73) Young Engineering & Manufacturing Inc.	(11) EP3208526
(11) EP3301342	(72) YOUNG, Winston B.	(21) EP17154926.4
(21) EP17194612.2	(51) F17C 5/02	(47) 13.04.2022
(47) 13.04.2022	(11) EP3450819	(22) 07.02.2017
(22) 03.10.2017	(21) EP18187582.4	(54) LIGHTING ASSEMBLY FOR LIGHTING
(54) INSTRUMENT-HOLDER FOR PIPE AND	(47) 13.04.2022	AND/OR SIGNALLING OF A MOTOR
ASSOCIATED APPARATUS	(22) 06.08.2018	VEHICLE
(73) Pool Technologie	(54) METHOD FOR FILLING A MOBILE	(73) Valeo Vision
(72) GRARD, Philippe	COOLANT TANK WITH A CRYOGENIC	(72) BRASSIER, Marc
(31) 1662294	COOLANT	PUENTE, Jean-Claude
1659533	(73) Messer France S.A.S.	(31) 1651305
(32) 12.12.2016	Messer SE & Co. KGaA	(32) 18.02.2016
03.10.2016	(72) Beil, Denis	(33) France
(33) France	Gockel, Frank	(51) F21S 41/686
France	Frère, Émilien	

(11) EP3234452	CHEN, Wei	(54) SYSTEM AND METHOD FOR
(21) EP15805576.4	LI, Heran	SEPARATING FLUIDS
(47) 13.04.2022	(31) 201720516122 U	(73) General Electric Company
(87) FR2015052974	(32) 10.05.2017	(72) Bobba, Mohan Krishna
23.06.2016	(33) China	Washam, Roy Marshall
(22) 04.11.2015	(51) F21V 33/00	(31) 201213649090
(54) CUT-OFF MECHANISM INCLUDING	F21V 23/04	(32) 10.10.2012
A STRIP ACTUATED BY AN	F21S 10/04	(33) United States of America
ELECTROMAGNET COMPRISING TWO	F21S 10/02	(51) F23R 3/28
AIR-GAPS	F21S 9/02	F23R 3/14
(73) AML Systems	F21V 31/00	(11) EP3333485
(72) KOULOUEH, Hassan	A63H 27/10	(21) EP17195301.1
LOPEZ, Daniel	A63H 3/06	(47) 13.04.2022
(31) 1462712	B63B 7/08	(22) 06.10.2017
(32) 18.12.2014	E04H 4/00	(54) MAIN MIXER IN AN AXIAL STAGED
(33) France	B63C 9/15	COMBUSTOR FOR A GAS TURBINE
(51) F21V 17/14	(11) EP3477196	ENGINE
F21V 29/74	(21) EP18202471.1	(73) Raytheon Technologies Corporation
F21Y 115/10	(47) 13.04.2022	(72) COHEN, Jeffrey M.
F21Y 103/00	(22) 25.10.2018	DAI, Zhongtao
(11) EP3538815	(54) INFLATABLES WITH LIGHTING	SMITH, Lance L.
(21) EP17800442.0	MODULE, SYSTEMS, AND METHODS	(31) 201615371653
(47) 13.04.2022	(73) Polygroup Macau Limited (BVI)	(32) 07.12.2016
(87) EP2017078137	(72) TONG, Ricky	(33) United States of America
17.05.2018	YAN, Jinming	(51) F23R 3/34
(22) 03.11.2017	OCEGUEDA GALLAGA, Victor Hugo	(11) EP3798517
(54) LIGHTING ARRANGEMENT WITH AN	(31) 201762576914 P	(21) EP20192824.9
EXCHANGEABLE LIGHTING CAP	(32) 25.10.2017	(47) 13.04.2022
(73) Lumileds LLC	(33) United States of America	(22) 26.08.2020
(72) MERTENS, Juergen	(51) F23D 1/00	(54) FUEL SPRAY NOZZLE
VERSLUIJS, Cornelis	F23C 6/04	(73) Rolls-Royce plc
(31) 16197903	F23L 9/02	(72) Stankowski, Tomasz
(32) 09.11.2016	(11) EP2696139	(31) 201913882
(33) European Patent Office (EPO)	(21) EP12768148.4	(32) 26.09.2019
(51) F21V 29/76	(47) 13.04.2022	(33) United Kingdom
F21S 41/689	(87) JP2012055850	(51) F24C 7/02
F21S 41/47	11.10.2012	H05B 6/64
(11) EP3412960	(22) 07.03.2012	H05B 6/72
(21) EP17747585.2	(54) SOLID-FUEL-FIRED BURNER AND	(11) EP3798518
(47) 13.04.2022	SOLID-FUEL-FIRED BOILER	(21) EP19807988.1
(87) JP2017004055	(73) Mitsubishi Heavy Industries, Ltd.	(47) 13.04.2022
10.08.2017	(72) MATSUMOTO, Keigo	(87) JP2019019202
(22) 03.02.2017	KASAI, Jun	28.11.2019
(54) VEHICLE LAMP	DOMOTO, Kazuhiro	(22) 15.05.2019
(73) Ichikoh Industries, Ltd.	ABE, Naofumi	(54) MICROWAVE PROCESSING DEVICE
(72) ABE Toshiya	(31) 2011138564	(73) Panasonic Intellectual Property
(31) 2016019571	2011138563	Management Co., Ltd.
(32) 04.02.2016	2011081879	(72) HOSOKAWA Daisuke
(33) Japan	2011081877	OOMORI Yoshiharu
(51) F21V 29/77	2011081876	FUKUI Mikio
F21V 29/85	(32) 22.06.2011	(31) 2018096705
F21V 31/00	22.06.2011	(32) 21.05.2018
F21Y 115/10	01.04.2011	(33) Japan
F21V 17/12	01.04.2011	(51) F24C 7/08
F21W 131/103	01.04.2011	H05B 6/06
(11) EP3640536	(33) Japan	A47J 27/14
(21) EP17909235.8	Japan	(11) EP3574264
(47) 13.04.2022	Japan	(21) EP18701724.9
(87) CN2017118682	Japan	(47) 13.04.2022
15.11.2018	Japan	(87) EP2018051562
(22) 26.12.2017	(51) F23R 3/04	02.08.2018
(54) GRAPHENE HEAT-DISSIPATION LED	F23R 3/00	(22) 23.01.2018
LAMP	F23R 3/16	(54) METHOD FOR OPERATING A
(73) Tunghsu Optoelectronic Technology Co.,	F23R 3/28	COOKING DEVICE AND ASSEMBLY
Ltd.	(11) EP2719950	FOR CARRYING OUT THE METHOD
Huzhou Mingshuo Optoelectronic	(21) EP13188112.0	(73) RATIONAL International AG
Technology Co., Ltd.	(47) 13.04.2022	(72) LINGENHEIL, Markus
(72) LI, Qing	(22) 10.10.2013	DEIS, Jérôme

(31) 102017101407	(54) AIR PURIFIER DEVICE WITH COUPLING MECHANISM	(51) F24H 3/04
(32) 25.01.2017		H01R 9/22
(33) Germany	(73) Blueair AB	(11) EP3437158
(51) F24C 15/20	(72) WENNERSTRÖM, Johan	(21) EP17713742.9
(11) EP3775699	ENGBERG, Elin	(47) 13.04.2022
(21) EP19708676.2	(51) F24F 11/58	(87) FR2017050525
(47) 13.04.2022	F24F 11/61	05.10.2017
(87) IB2019051115	F24F 11/89	(22) 09.03.2017
03.10.2019	H04M 11/00	(54) ELECTRICAL CONNECTION DEVICE, HEATING DEVICE AND VENTILATION, HEATING AND/OR AIR CONDITIONING UNIT
(22) 12.02.2019	H04Q 9/00	(73) Valeo Systemes Thermiques
(54) ENCLOSURE FOR A COOKING FUME EXTRACTION HOOD	(11) EP3392574	(72) KARAASLAN, Serif
(73) ELICA S.p.A.	(21) EP16875470.3	PUZENAT, Bertrand
(72) LATINI, Stefano	(47) 13.04.2022	PIERRON, Frédéric
(31) 201800003993	(87) JP2016086251	BIGEY, Mickael
(32) 27.03.2018	22.06.2017	(31) 1652690
(33) Italy	(22) 06.12.2016	(32) 29.03.2016
(51) F24F 1/00	(54) AIR CONDITIONER	(33) France
F24F 1/0014	(73) Daikin Industries, Ltd.	(51) F24S 10/70
F24F 1/0007	(72) YAMAMOTO, Ryousuke	F24S 70/12
F24F 11/77	KATO, Youta	F24S 70/225
F24F 11/30	INOUE, Ryouji	(11) EP3835682
F24F 11/62	HIGUCHI, Tatsuya	(21) EP19846157.6
F24F 13/14	INOUE, Yukio	(47) 13.04.2022
F24F 13/10	YAGI, Asuka	(87) JP2019029411
F24F 1/005	KOBAYASHI, Yasuaki	13.02.2020
F24F 1/0073	(31) 2015247688	(22) 26.07.2019
F24F 8/10	(32) 18.12.2015	(54) SOLAR-HEAT-COLLECTING PIPE
(11) EP3249308	(33) Japan	(73) Kabushiki Kaisha Toyota Jidoshokki
(21) EP16740431.8	(51) F24F 13/20	Japan Fine Ceramics Center
(47) 13.04.2022	F24F 1/0057	(72) KUROYAMA, Tomohiro
(87) KR2016000694	F24F 1/0011	IGIMI, Daisuke
28.07.2016	(11) EP3339763	TSUTSUI, Takuhito
(22) 22.01.2016	(21) EP15902212.8	OKUHARA, Yoshiki
(54) AIR CONDITIONER HAVING AIR VOLUME VARYING DEVICE	(47) 13.04.2022	NORITAKE, Kazuto
(73) Hwang, Yong Hee	(87) JP2015073613	(31) 2018150307
(72) Hwang, Yong Hee	02.03.2017	(32) 09.08.2018
(31) 20150011041	(22) 21.08.2015	(33) Japan
(32) 23.01.2015	(54) INDOOR UNIT OF AN AIR-CONDITIONING APPARATUS	(51) F24S 70/00
(33) Korea (Republic)	(73) Mitsubishi Electric Corporation	(11) EP3692313
(51) F24F 1/0007	(72) MAKINO, Hiroaki	(21) EP18782721.7
F24F 13/20	SHIROTA, Mitsuhiro	(47) 13.04.2022
F24F 110/10	ADACHI, Yusuke	(87) EP2018076923
F24F 11/56	IKEDA, Takashi	11.04.2019
F24F 11/89	SHISHIDO, Takahiro	(22) 03.10.2018
(11) EP3330629	(51) F24H 1/00	(54) SOLAR THERMAL ABSORBER AND RELATED METHODS
(21) EP15899681.9	F24H 1/10	(73) Heliac ApS
(47) 13.04.2022	F24H 9/00	(72) PRANOV, Henrik
(87) JP2015071696	B60H 1/00	MATSCHUK, Maria
02.02.2017	F28F 1/10	(31) PA201700555
(22) 30.07.2015	H05B 3/00	(32) 04.10.2017
(54) STORAGE COVER, AND AIR CONDITIONER INDOOR UNIT PROVIDED WITH SAME	(11) EP2831514	(33) Denmark
(73) Mitsubishi Electric Corporation	(21) EP13706192.5	(51) F25B 1/00
(72) YOKOTA, Shuhei	(47) 13.04.2022	F25B 7/00
KAWAI, Shinji	(87) EP2013052527	F25B 9/00
OISHI, Masayuki	03.10.2013	F25B 40/02
(51) F24F 8/30	(22) 08.02.2013	F24F 11/89
F24F 8/80	(54) ELECTRICAL HEATING DEVICE FOR A MOTOR VEHICLE, AND ASSOCIATED HEATING, VENTILATION AND/OR AIR CONDITIONING APPARATUS	F25B 1/10
F24F 8/10	(73) Valeo Systemes Thermiques	F25B 40/00
F24F 13/28	(72) LEBORGNE, José	F25B 41/39
(11) EP2908067	PIERRON, Frédéric	(11) EP3457049
(21) EP14155644.9	TELLIER, Laurent	(21) EP18198946.8
(47) 13.04.2022	(31) 1200930	(47) 13.04.2022
(22) 18.02.2014	(32) 28.03.2012	(22) 18.06.2015
	(33) France	(54) REFRIGERATION CYCLE DEVICE

(73) Mitsubishi Electric Corporation	(47) 13.04.2022	(21) EP19718191.0
(72) ISHIKAWA, Tomotaka	(87) ES2019070154	(47) 13.04.2022
ISHIHARA, Nobuya	30.01.2020	(87) GB2019050670
UMEKI, Takashi	(22) 08.03.2019	12.09.2019
(51) F25B 1/10	(54) MECHANICAL REFRIGERATION	(22) 11.03.2019
F25B 9/00	SYSTEM	(54) A VAPOUR COMPRESSION
F25B 5/02	(73) OFF TECHNOLOGIES STP, S.L.	APPARATUS
(11) EP3438566	(72) RAMOS RAMOS, Ángel Gabriel	(73) Sunamp Limited
(21) EP18185616.2	ZUÑIGA MANGAS, Luis	(72) MCCAHEY, Andrew William
(47) 13.04.2022	(31) 201830743	BISSELL, Andrew John
(22) 25.07.2018	(32) 22.07.2018	ZAGLIO, Maurizio
(54) THERMAL STORAGE OF CARBON	(33) Spain	OLIVER, David
DIOXIDE SYSTEM FOR POWER	(51) F25B 39/02	(31) 201803841
OUTAGE	F25B 1/00	(32) 09.03.2018
(73) Heatcraft Refrigeration Products LLC	F28D 1/047	(33) United Kingdom
(72) ZHA, Shitong	(11) EP3147591	(51) F25B 49/02
SUN, Xi	(21) EP15796237.4	F25B 13/00
NAJAFIFARD, Fardis	(47) 13.04.2022	(11) EP3764025
(31) 201715667194	(87) JP2015059095	(21) EP18908396.7
(32) 02.08.2017	26.11.2015	(47) 13.04.2022
(33) United States of America	(22) 25.03.2015	(87) JP2018009277
(51) F25B 19/00	(54) AIR-CONDITIONING DEVICE	12.09.2019
F25B 25/00	(73) Mitsubishi Electric Corporation	(22) 09.03.2018
F25D 3/10	(72) MATSUMOTO, Takashi	(54) REFRIGERATION CYCLE APPARATUS
H02G 15/34	OKANO, Hiroyuki	(73) Mitsubishi Electric Corporation
(11) EP3749903	NAKAMUNE, Hiroaki	(72) KATO, Shun
(21) EP18830476.0	SAITO, Eito	ISHIBASHI, Akira
(47) 13.04.2022	MORIMOTO, Osamu	ITO, Daisuke
(87) EP2018086290	MURAKAMI, Hiroki	NAKAMURA, Shin
15.08.2019	ONAKA, Yoji	(51) F25D 11/02
(22) 20.12.2018	KOGE, Hirofumi	F25D 19/04
(54) METHOD AND DEVICE FOR COOLING	(31) 2014102954	G06Q 10/08
A SUPERCONDUCTING CURRENT	(32) 19.05.2014	B65D 88/12
CARRIER	(33) Japan	G06Q 10/00
(73) Messer SE & Co. KGaA	(51) F25B 41/00	F25D 29/00
Messer Industriegase GmbH	(11) EP3264010	G01D 18/00
(72) HERZOG, Friedhelm	(21) EP15883229.5	G01D 21/00
KUTZ, Thomas	(47) 13.04.2022	(11) EP3589902
(31) 102018001040	(87) JP2015055730	(21) EP18761949.9
(32) 08.02.2018	01.09.2016	(47) 13.04.2022
(33) Germany	(22) 27.02.2015	(87) US2018019620
(51) F25B 21/00	(54) HEAT EXCHANGE APPARATUS AND	07.09.2018
(11) EP3394524	AIR CONDITIONER USING SAME	(22) 26.02.2018
(21) EP15825731.1	(73) Hitachi-Johnson Controls Air	(54) CONTROLLING DETECTION OF
(47) 13.04.2022	Conditioning, Inc.	CARGO TRANSPORTATION UNIT
(87) US2015067182	(72) TSUBOE Hiroaki	CONDITIONS
29.06.2017	TSUKADA Yoshiharu	(73) BlackBerry Limited
(22) 21.12.2015	ARAI Yuki	(72) GAO, Yu
(54) ELECTROCALORIC HEAT TRANSFER	YOKOZEKI Atsuhiko	FULESHWAR PRASAD, Mahendra
SYSTEM	(51) F25B 49/02	JANTZI, Jason Wayne
(73) Carrier Corporation	(11) EP3056841	LEVATO, Alexander Karl
(72) ANNAPRAGADA, Subramanyaravi	(21) EP16154466.3	DILL, Scott Leonard
LYNCH, Matthew E.	(47) 13.04.2022	REAUME, Mark Edward
KUCZEK, Andrzej E.	(22) 05.02.2016	BENNETT, Jesse William
GORBOUNOV, Mikhail B.	(54) CONTROL METHOD FOR AIR-	(31) 201762464980 P
VERMA, Parmesh	CONDITIONING SYSTEM HAVING	(32) 28.02.2017
RADCLIFF, Thomas D.	ELECTRONIC EXPANSION VALVE	(33) United States of America
JONSSON, Ulf J.	(73) Zhejiang Sanhua Automotive	(51) F25D 21/02
HERRING, Neal R.	Components Co., Ltd.	F25B 47/00
SMELTZ, Andrew	(72) LU, Yingchong	F25B 49/00
(51) F25B 31/02	ZHANG, Rongrong	(11) EP3599436
F04B 5/02	ZHANG, Genxiang	(21) EP19184583.3
F04B 9/10	(31) 201510078455	(47) 13.04.2022
F04B 9/109	(32) 13.02.2015	(22) 05.07.2019
F04B 9/113	(33) China	(54) DOMESTIC REFRIGERATOR WITH
F04B 31/00	(51) F25B 49/02	A SPEED-CONTROLLED FAN AND
(11) EP3699425	F25B 13/00	METHOD FOR OPERATING A
(21) EP19840842.9	(11) EP3762667	

DOMESTIC REFRIGERATOR WITH A SPEED-CONTROLLED FAN	BRETTMANN, Matthias PAMMLER, Thomas	BARJHOUX, Pierre ALLIDIERES, Laurent
(73) BSH Hausgeräte GmbH	(31) 202016106531 U	(31) 1907571
(72) Schneider, Michael Mayer, Simon Schimmele, Martin	(32) 22.11.2016 (33) Germany	(32) 08.07.2019 (33) France
(31) 102018212127	(51) F25D 25/00	(51) F25J 3/02
(32) 20.07.2018	F25D 3/10	(11) EP3542112
(33) Germany	(11) EP3812674	(21) EP17811996.2
(51) F25D 23/00	(21) EP20215024.9	(47) 13.04.2022
F25B 39/04	(47) 13.04.2022	(87) FR2017053139
(11) EP3290839	(22) 21.11.2011	24.05.2018
(21) EP17188063.6	(54) STORAGE SYSTEM FOR STORING LABORATORY OBJECTS AT LOW TEMPERATURES	(22) 16.11.2017
(47) 13.04.2022	(73) LICONIC AG	(54) METHOD AND INSTALLATION FOR CRYOGENIC SEPARATION OF A GASEOUS MIXTURE BY METHANE SCRUBBING
(22) 28.08.2017	(72) Malin, Cosmas	(73) L'AIR LIQUIDE, Société Anonyme pour l'Etude et l'Exploitation des Procédés
(54) REFRIGERATION AND/OR FREEZER DEVICE	(31) 19682010	Georges Claude
(73) Liebherr-Hausgeräte Ochsenhausen GmbH	(32) 24.11.2010	(72) GAERTNER, Axelle
(72) Thalmann, Alexander	(33) Switzerland	HERNANDEZ, Antoine
Belchilov, Hristo	(51) F25D 25/02	BILLY, Jean
Straub, Mario	A47B 88/00	TSEVERY, Jean-Marc
Oelmaier, Klaus	F25D 23/06	VICTOR, Marie-Pascal
(31) 102016010444	A47B 88/975	(31) 1661177
(32) 29.08.2016	(11) EP3715754	(32) 18.11.2016
(33) Germany	(21) EP18880174.0	(33) France
(51) F25D 23/02	(47) 13.04.2022	(51) F26B 13/08
F25D 23/12	(87) CN2018115563	D06B 1/00
(11) EP3611453	31.05.2019	D06C 7/00
(21) EP19189406.2	(22) 15.11.2018	D06F 65/02
(47) 13.04.2022	(54) STORAGE DEVICE AND REFRIGERATOR WITH STORAGE DEVICE	D06F 67/00
(22) 31.07.2019	(73) Qingdao Haier Co., Ltd.	F26B 13/18
(54) REFRIGERATOR	(72) WU, Guangrui	(11) EP2546406
(73) LG ELECTRONICS INC.	LI, Dengqiang	(21) EP12002574.7
(72) CHOI, Sangphil	SHANG, Yazhou	(47) 13.04.2022
YOU, Jimin	FEI, Bin	(22) 12.04.2012
YI, Youngho	CHENG, Xueli	(54) Method and device for handling a textile good
(31) 20180089934	YANG, Falin	(73) KARL MAYER STOLL R&D GmbH
(32) 01.08.2018	(31) 201711167756	(72) Wroblowski, Hans Gerhard
(33) Korea (Republic)	(32) 21.11.2017	(31) 102011107126
(51) F25D 23/06	(33) China	(32) 12.07.2011
(11) EP3447416	(51) F25D 29/00	(33) Germany
(21) EP18189861.0	(11) EP2615395	(51) F27B 7/38
(47) 13.04.2022	(21) EP13000052.4	F27D 15/02
(22) 21.08.2018	(47) 13.04.2022	C04B 7/47
(54) REFRIGERATION AND/OR FREEZER DEVICE AND METHOD OF MANUFACTURING THE SAME	(22) 07.01.2013	B65G 25/06
(73) Liebherr-Hausgeräte Ochsenhausen GmbH	(54) Diagnostic method for a refrigerator and refrigerator using the same	F26B 17/26
(72) Friedmann, Volker	(73) LG Electronics Inc.	(11) EP3759410
Schick, Michael	(72) Oh, Minjin	(21) EP19708937.8
(31) 102017119046	Kang, Daejong	(47) 13.04.2022
(32) 21.08.2017	(31) 20120003102	(87) DK2019050066
(33) Germany	(32) 10.01.2012	06.09.2019
(51) F25D 23/08	(33) Korea (Republic)	(22) 22.02.2019
(11) EP3545247	(51) F25J 1/00	(54) COOLER
(21) EP17800705.0	F25J 1/02	(73) Føns Companies Aps
(47) 13.04.2022	(11) EP3764047	(72) FØNS, Mogens Juhl
(87) EP2017001356	(21) EP20181311.0	(31) PA201800097
31.05.2018	(47) 13.04.2022	(32) 28.02.2018
(22) 17.11.2017	(22) 22.06.2020	(33) Denmark
(54) PROFILE ARRANGEMENT, IN PARTICULAR FOR A REFRIGERATOR AND/OR FREEZER	(54) METHOD AND INSTALLATION FOR PRODUCING LIQUID HYDROGEN	(51) F27D 5/00
(73) REHAU Industries SE & Co. KG	(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés	F27D 9/00
(72) WILLERT, Manfred	Georges Claude	H01L 21/67
KERNCHEN, Uwe	(72) MARLIER, Pierre-Germain	H01L 21/673
	RIGOUT, Grégoire	(11) EP3427291
		(21) EP16709913.4
		(47) 13.04.2022

(87) EP2016054909 14.09.2017	F28F 21/08 F28F 9/02	(22) 27.02.2017
(22) 08.03.2016	(11) EP3839402	(54) COUNTERMASS PROPULSION SYSTEM
(54) CHAMBER FOR DEGASSING SUBSTRATES	(21) EP21156850.6	(73) Nammo Talley, Inc.
(73) Evatec AG	(47) 13.04.2022	(72) EARLY, Joseph Stephen
(72) LODDER, Rogier	(22) 21.07.2020	ADAMO, Nick
SCHÄFER, Martin	(54) SHEET HEAT EXCHANGERS	KNEBLE, David
WEICHART, Jürgen	(73) Benteler Automobiltechnik GmbH	JEZIERSKI, Dominic
(51) F27D 17/00	(72) Großmann, Elmar	GOOGWIN, Bill
C21D 1/06	Böhnke, Max	(31) 201662301278 P
C21D 1/76	Grewe, Jochem	(32) 29.02.2016
C23C 8/26	Rusche, Ulrich	(33) United States of America
C21D 1/18	Huschen, Ulrich	(51) F41B 11/80
(11) EP3290844	(31) 102019120862	F41H 13/00
(21) EP16789470.8	(32) 01.08.2019	F41C 27/06
(47) 13.04.2022	(33) Germany	F41H 11/02
(87) JP2016056964	(51) F28F 9/02	(11) EP3475644
10.11.2016	F28D 1/053	(21) EP17732431.6
(22) 07.03.2016	F28D 20/02	(47) 13.04.2022
(54) HEAT TREATING DEVICE	F28F 1/00	(87) EP2017065510
(73) IHI Machinery and Furnace Co., Ltd.	F28D 20/00	28.12.2017
IHI Corporation	(11) EP3405736	(22) 23.06.2017
(72) KATSUMATA Kazuhiko	(21) EP17702023.7	(54) ATTACHMENT MODULE FOR INTERCEPTING UNMANNED FLYING OBJECTS
(31) 2015094167	(47) 13.04.2022	(73) Droptec GmbH
(32) 01.05.2015	(87) EP2017051117	(72) THALLER, Daniel
(33) Japan	27.07.2017	FURRER, Philipp
(51) F28D 7/16	(22) 19.01.2017	ENGEL, Sebastian
(11) EP3423771	(54) HEAT-TRANSFER-FLUID HEAT EXCHANGER WITH OPTIMISED ASSEMBLY, AND THERMAL ENERGY STORAGE DEVICE USING A PHASE CHANGE MATERIAL AND COMPRISING SAID EXCHANGER	(31) 102016111563
(21) EP17711415.4	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives	(32) 23.06.2016
(47) 13.04.2022	(72) GARCIA, Pierre	(33) Germany
(87) US2017019965	NIVELON, Pierre	(51) F41G 3/06
08.09.2017	(31) 1650444	F41G 3/14
(22) 28.02.2017	(32) 20.01.2016	G01S 7/48
(54) HEAT EXCHANGE DEVICE SUITABLE FOR LOW PRESSURE REFRIGERANT	(33) France	G01S 17/08
(73) York (Wuxi) Air Conditioning and Refrigeration Company, Ltd.	(51) F41A 1/08	G01S 17/10
Johnson Controls Building Efficiency Technology (Wuxi) Co., Limited	F41A 1/10	(11) EP3752786
Johnson Controls Tyco IP Holdings LLP	(11) EP3408602	(21) EP19700274.4
(72) SU, Xiuping	(21) EP17776176.4	(47) 13.04.2022
WANG, Li	(47) 13.04.2022	(87) EP2019050415
(31) 201610112227	(87) US2017019749	22.08.2019
201620153761 U	05.10.2017	(22) 09.01.2019
(32) 29.02.2016	(22) 27.02.2017	(54) METHOD AND SYSTEM FOR MEASURING AIRBURST MUNITION BURST POINT
29.02.2016	(54) COUNTERMASS LIQUID FOR A SHOULDER LAUNCHED MUNITION PROPULSION SYSTEM	(73) Kongsberg Defence & Aerospace AS
(33) China	(73) Nammo Talley, Inc.	(72) BJØRSET, Lars, Egil
China	(72) GOODWIN, Bill	JENSEN, Per, Inge
(51) F28F 3/08	LAMBERT, Jerry	NILLAND, Dag-Martin
F24F 3/147	BLOMQUIST, Harry	(31) 20180248
F24F 7/08	JEZIERSKI, Dominic	(32) 16.02.2018
F28D 9/00	EARLY, Stephen Joseph	(33) Norway
F24F 3/08	(31) 201660301269 P	(51) F41J 3/00
F28D 21/00	(32) 29.02.2016	G09B 19/00
F28F 13/18	(33) United States of America	(11) EP3473971
(11) EP3770543	(51) F41A 1/08	(21) EP17211082.7
(21) EP18910419.3	F41A 21/30	(47) 13.04.2022
(47) 13.04.2022	F41A 21/36	(22) 29.12.2017
(87) JP2018011121	(11) EP3408603	(54) DART GAME SYSTEM AND METHOD FOR PROVIDING A LESSON IMAGE
26.09.2019	(21) EP17803190.2	(73) Phoenixdarts Co., Ltd.
(22) 20.03.2018	(47) 13.04.2022	(72) HONG, Sang Uk
(54) TOTAL HEAT EXCHANGE ELEMENT AND TOTAL HEAT EXCHANGER	(87) US2017019764	(31) 20170134892
(73) Mitsubishi Electric Corporation	30.11.2017	(32) 17.10.2017
(72) SOTOKAWA, Hajime		(33) Korea (Republic)
TOKIZAKI, Shinya		(51) F42B 4/20
(51) F28F 3/14		F42B 4/26

H01R 33/20	(47) 13.04.2022	CORRESPONDING ENVIRONMENT
H01R 12/71	(87) EP2015000872	SENSOR DEVICE
(11) EP3765811	05.11.2015	(73) Audi AG
(21) EP19717370.1	(22) 29.04.2015	(72) KRÄMER, Stefan
(47) 13.04.2022	(54) INTERFEROMETRIC DISPLACEMENT	RAAIJMAKERS, Marvin
(87) IT2019050055	SENSOR FOR INTEGRATION	(31) 102018216983
19.09.2019	INTO MACHINE TOOLS AND	(32) 04.10.2018
(22) 14.03.2019	SEMICONDUCTOR LITHOGRAPHY	(33) Germany
(54) PYROTECHNIC INSTALLATION	SYSTEMS	(51) G01B 11/27
CONSISTING OF AT LEAST ONE	(73) Attocube Systems AG	G01S 7/40
FIREWORK, AN ELECTRIC IGNITER,	(72) ZECH, Martin	B60W 30/12
AND A DOCKING BASE, THE	THURNER, Klaus	B60W 30/14
INSTALLATION COMPRISING A	(31) 102014006305	G01S 13/931
SYSTEM FOR REMOVABLY COUPLING	(32) 30.04.2014	(11) EP3608687
THEM	(33) Germany	(21) EP18833818.0
(73) Monetti S.r.l.	(51) G01B 7/12	(47) 13.04.2022
(72) LENZI, Andrea	G01N 27/00	(87) CN2018093307
MONETTI, Luigi Leone Paolo	(11) EP3721167	02.01.2020
(31) 201800003551	(21) EP18830000.8	(22) 28.06.2018
(32) 14.03.2018	(47) 13.04.2022	(54) VEHICLE ADVANCED ASSISTED
(33) Italy	(87) IT2018050239	DRIVING CALIBRATION DEVICE
(51) F42B 5/02	13.06.2019	(73) Shenzhen Smartsafe Tech Co., Ltd.
F42B 10/44	(22) 06.12.2018	(72) LIU, Jun
F42B 10/46	(54) APPARATUS FOR DETECTING	ZHONG, Yibin
(11) EP3707461	AT LEAST ONE PHYSICAL	(51) G01B 15/04
(21) EP18803380.7	QUANTITY OF A FERROMAGNETIC	G01N 23/04
(47) 13.04.2022	PRODUCT, INSTALLATION FOR THE	(11) EP3011266
(87) EP2018080768	PRODUCTION OF SAID PRODUCT	(21) EP14735006.0
16.05.2019	AND DETECTION METHOD	(47) 13.04.2022
(22) 09.11.2018	(73) Schnell S.p.A.	(87) US2014039968
(54) PROJECTILE FOR FIREARMS	(72) RUPOLI, Simone	24.12.2014
(73) Fimbinger, Johann	(31) 201700141343	(22) 29.05.2014
(72) FIMBINGER, Johann	(32) 06.12.2017	(54) METHOD AND APPARATUS OF
FIMBINGER, Eric	(33) Italy	MEASURING OBJECTS USING
(31) 102017126442	(51) G01B 7/16	SELECTIVE IMAGING
(32) 10.11.2017	G01L 1/18	(73) Hexagon Metrology, Inc
(33) Germany	G01L 1/22	(72) O'HARE, Jonathan J.
(51) F42B 19/22	G01L 5/162	DARROUZET, Stephen
F42B 19/24	(11) EP3430348	(31) 201361835952 P
F42B 19/30	(21) EP17706432.6	(32) 17.06.2013
B60L 15/20	(47) 13.04.2022	(33) United States of America
B60L 50/13	(87) EP2017053497	(51) G01B 15/08
B60L 50/61	21.09.2017	G01N 23/201
(11) EP3418672	(22) 16.02.2017	G03F 7/20
(21) EP18179556.8	(54) MEASURING DEVICE, MOTOR	(11) EP3617646
(47) 13.04.2022	VEHICLE, AND METHOD FOR	(21) EP19194449.5
(22) 25.06.2018	DETECTING INSTANTANEOUS	(47) 13.04.2022
(54) SERIES HYBRID ARCHITECTURE	DEFORMATION OF A COMPONENT	(22) 29.08.2019
FOR AN UNMANNED UNDERWATER	(73) ZF Friedrichshafen AG	(54) METHOD FOR MEASURING THE LINE
VEHICLE PROPULSION SYSTEM	(72) ELBERS, Christoph	ROUGHNESS OF AN ARRAY OF LINES
(73) Hamilton Sundstrand Corporation	HASKAMP, Klaus	BY X-RAY DIFFRACTION
(72) HIMMELMANN, Richard A.	KLANK, Michael	(73) Université Grenoble Alpes
(31) 201715631229	LUNDBERG, Alexander	Commissariat à l'énergie atomique et aux
(32) 23.06.2017	(31) 102016204557	énergies alternatives
(33) United States of America	(32) 18.03.2016	(72) RECHE, Jérôme
(51) G01B 3/56	(33) Germany	(31) 1857764
B43L 7/12	(51) G01B 11/06	(32) 29.08.2018
(11) EP3792586	(11) EP3861280	(33) France
(21) EP19196421.2	(21) EP19782495.6	(51) G01C 11/02
(47) 13.04.2022	(47) 13.04.2022	G01C 3/08
(22) 10.09.2019	(87) EP2019075693	G06T 7/70
(54) STEPWISE ADJUSTABLE SQUARE	09.04.2020	G06T 7/55
(73) Hultafors Group AB	(22) 24.09.2019	(11) EP3436777
(72) ANDERSSON, Göran	(54) METHOD FOR SUPPRESSING IMAGES	(21) EP17727466.9
(51) G01B 5/00	OF REFLECTIONS IN AT LEAST ONE	(47) 13.04.2022
G01D 11/24	CAMERA PICTURE OF A CAMERA	(87) CN2017000026
(11) EP3137847	OF AN ENVIRONMENT SENSOR	05.10.2017
(21) EP15721571.6	DEVICE OF A MOTOR VEHICLE, AND	(22) 03.01.2017

(54) DISTANCE MEASURING DEVICE AND DISTANCE MEASURING METHOD	(21) EP19201821.6	G01F 15/14
(73) BOE Technology Group Co., Ltd.	(47) 13.04.2022	(11) EP3748311
Peking University	(22) 08.10.2019	(21) EP20178167.1
(72) WU, Yanbing	(54) SYSTEM OF ARTIFICIAL LANDMARKS IN AN ENVIRONMENT FOR USE IN	(47) 13.04.2022
WANG, Yi	THE SENSOR-BASED LOCATION OF	(22) 04.06.2020
ZHANG, Xing	MOBILE PLATFORMS	(54) UNITIZED MEASURING ELEMENT FOR
(31) 201610196256	(73) Robert Bosch GmbH	WATER METER ASSEMBLY
(32) 31.03.2016	(72) Nienhueser, Dennis	(73) Neptune Technology Group Inc.
(33) China	Schreiber, Miriam	(72) Scarborough, III, John R.
(51) G01C 15/00	(31) 102018217734	Garth, J. Davis
G01C 11/02	(32) 17.10.2018	(31) 201962857549 P
(11) EP3559596	(33) Germany	(32) 05.06.2019
(21) EP17808686.4	(51) G01C 21/32	(33) United States of America
(47) 13.04.2022	G01S 19/03	(51) G01F 1/74
(87) US2017061637	G01S 5/00	(11) EP3066426
28.06.2018	G01S 19/39	(21) EP14861011.6
(22) 14.11.2017	(11) EP3491338	(47) 13.04.2022
(54) ENHANCED REMOTE SURVEYING SYSTEMS AND METHODS	(21) EP17811191.0	(87) US2014064514
(73) Topcon Positioning Systems, Inc.	(47) 13.04.2022	14.05.2015
(72) HALLETT, Jason	(87) DE2017200073	(22) 07.11.2014
SRIVASTAVA, Alok	08.02.2018	(54) FLOW REGIME RECOGNITION FOR
EDELMAN, Leonid Valerianovich	(22) 25.07.2017	FLOW MODEL ADAPTATION
(31) 201615389877	(54) METHOD FOR TRANSMITTING DATA FROM A VEHICLE TO A SERVER, AND	(73) Schlumberger Holdings Limited
(32) 23.12.2016	METHOD FOR UPDATING A MAP	(72) FOURNIER, Benoit
(33) United States of America	(73) Continental Teves AG & Co. OHG	CADALEN, Sebastien
(51) G01C 21/00	(72) STÄHLIN, Ulrich	(31) 201361902048 P
G01C 21/20	(31) 102016214156	(32) 08.11.2013
G06K 19/06	(32) 01.08.2016	(33) United States of America
H04W 4/20	(33) Germany	(51) G01F 3/10
(11) EP2748560	(51) G01C 21/36	G01F 15/02
(21) EP12751674.8	G08G 1/16	F04C 2/10
(47) 13.04.2022	G06K 9/00	F04C 15/00
(87) US2012050784	G05D 1/02	(11) EP3350550
07.03.2013	B60W 30/08	(21) EP16765989.5
(22) 14.08.2012	G06K 9/62	(47) 13.04.2022
(54) IDENTIFIER GENERATION FOR VISUAL BEACON	(11) EP3548846	(87) EP2016071753
(73) Qualcomm Incorporated	(21) EP18717414.9	23.03.2017
(72) DO, Ju-Yong	(47) 13.04.2022	(22) 15.09.2016
(31) 201113219350	(87) IB2018000341	(54) COOLABLE DEVICE FOR MEASURING
(32) 26.08.2011	07.09.2018	THROUGH-FLOW PROCESSES OF
(33) United States of America	(22) 01.03.2018	FLUIDS
(51) G01C 21/20	(54) SYSTEMS AND METHODS FOR NAVIGATING WITH SENSING	(73) AVL List GmbH
(11) EP3538845	UNCERTAINTY	(72) DERSCHMIDT, Otfried
(21) EP17809381.1	(73) Mobileye Vision Technologies Ltd.	PROSS, Manfred
(47) 13.04.2022	(72) SHASHUA, Amnon	KAMMERSTETTER, DR., Heribert
(87) IB2017057033	SHALEV-SHWARTZ, Shai	(31) 603152015
17.05.2018	SHAMMAH, Shaked	(32) 15.09.2015
(22) 10.11.2017	(31) 201762465301 P	(33) Austria
(54) METHOD FOR SUPPORTING THE APPROACH MANEUVER OF A BOAT TO THE MOORING SITE WITHIN A PORT AREA AND SYSTEM THEREOF	(32) 01.03.2017	(51) G01F 15/06
(73) Seastema S.p.A.	(33) United States of America	G01D 4/00
(72) SEBASTIANI, Luca	(51) G01C 22/00	G08C 15/00
CHITI, Roberto	G01C 25/00	H04Q 9/00
(31) 201600113495	(11) EP3521764	G01F 15/00
(32) 10.11.2016	(21) EP16919864.5	(11) EP3719454
(33) Italy	(47) 13.04.2022	(21) EP18883720.7
(51) G01C 21/20	(87) CN2016103393	(47) 13.04.2022
G05D 1/02	03.05.2018	(87) JP2018042216
G06K 19/06	(22) 26.10.2016	06.06.2019
H04W 4/024	(54) STRIDE CALIBRATING METHOD, AND RELEVANT DEVICE AND SYSTEM	(22) 15.11.2018
H04W 4/33	(73) Huawei Technologies Co., Ltd.	(54) GAS METER SYSTEM
H04W 4/40	(72) YU, Shangchun	(73) Panasonic Intellectual Property
(11) EP3640594	WANG, Huaiyong	Management Co., Ltd.
	SHAO, Xiaojie	(72) SHIOTA, Kazuki
	(51) G01F 1/66	SHIRASAWA, Tadanori
		TAMURA, Yoshikuni
		MURABAYASHI, Nobuaki
		(31) 2017229830
		(32) 30.11.2017

(33) Japan	(54) STRUCTURE FOR MASKS	G01D 11/24
(51) G01F 25/00	(73) EIZO Corporation	(11) EP2559987
G01F 23/296	(72) MINAMI, Sachi	(21) EP12180795.2
(11) EP3492884	MIYANAGA, Shuhei	(47) 13.04.2022
(21) EP18209465.6	MURATA, Takashi	(22) 17.08.2012
(47) 13.04.2022	MIYAZAWA, Seiji	(54) Combination pressure/temperature in a
(22) 30.11.2018	(31) 2012170457	compact sensor assembly
(54) ULTRASONIC FLUID MEASUREMENT	(32) 31.07.2012	(73) Sensata Technologies, Inc.
CALIBRATION PROBE AND METHOD	(33) Japan	(72) Papadeas, Nicholas G.
OF CALIBRATING AN ULTRASONIC	(51) G01K 1/08	Girroi, Jared E.
FLUID MEASUREMENT SYSTEM	G01K 13/02	Zwijze, Albert Ferdinand
(73) The Boeing Company	(11) EP2786106	Gennissen, Paulus Thomas Johannes
(72) WAHLIN, Sigvard Johann	(21) EP12787275.2	Silveria, Jeffrey Peter
(31) 201715829767	(47) 13.04.2022	Norberg, Edward
(32) 01.12.2017	(87) US2012062559	Ghani, Omar Rashid
(33) United States of America	06.06.2013	(31) 201161524989 P
(51) G01G 17/00	(22) 30.10.2012	(32) 18.08.2011
A61J 3/07	(54) TWISTED SENSOR TUBE	(33) United States of America
(11) EP3735571	(73) Rosemount Inc.	(51) G01M 3/24
(21) EP18807291.2	(72) KLEVEN, Lowell, A.	F16J 15/10
(47) 13.04.2022	(31) 201213537817	(11) EP3805723
(87) EP2018081908	201161565765 P	(21) EP20199832.5
11.07.2019	(32) 29.06.2012	(47) 13.04.2022
(22) 20.11.2018	01.12.2011	(22) 02.10.2020
(54) DEVICE FOR DETERMINING THE	(33) United States of America	(54) DEVICE FOR CHECKING THE SEAL
WEIGHT OF A CAPSULE ARRANGED	United States of America	OF A PANEL OF A MOTOR VEHICLE
IN A CAPSULE HOLDER OF AN	(51) G01K 1/14	WITH DOUBLE WALL
INCREMENTALLY ROTATED	G01K 1/16	(73) Compagnie Plastic Omnium SE
CONVEYOR WHEEL	H01M 10/48	(72) STUMPP, Eric
(73) Syntegon Technology GmbH	H01M 10/0525	TRESSE, David
(72) RUNFT, Werner	H01M 10/42	BRIZIN, Jérôme
WICK, Wolfgang	H01M 50/105	VIRELIZIER, François
(31) 102018200068	H01M 50/224	(31) 1911107
(32) 04.01.2018	(11) EP3722759	(32) 07.10.2019
(33) Germany	(21) EP18887069.5	(33) France
(51) G01H 17/00	(47) 13.04.2022	(51) G01M 5/00
A01K 11/00	(87) JP2018044611	G01B 11/245
A01K 29/00	13.06.2019	G01M 11/08
G01V 1/00	(22) 04.12.2018	G01M 15/14
(11) EP2316006	(54) TEMPERATURE MEASURING DEVICE	G06F 3/01
(21) EP09767657.1	AND TEMPERATURE MEASURING	G06T 7/593
(47) 13.04.2022	MECHANISM	(11) EP3805725
(87) US2009047666	(73) NOK Corporation	(21) EP20195930.1
23.12.2009	(72) YAMAMOTO, Hiroki	(47) 13.04.2022
(22) 17.06.2009	(31) 2017234482	(22) 14.09.2020
(54) SYSTEM AND METHOD FOR	(32) 06.12.2017	(54) INSPECTION SYSTEM
DETECTING BATS AND THEIR IMPACT	(33) Japan	(73) Rolls-Royce plc
ON WIND FACILITIES	(51) G01K 11/00	(72) Kell, James
(73) Normandean Associates, Inc.	H01L 39/22	Sun, Erhui
(72) WEST, Peter	G01J 5/20	Dong, Xin
SUTTER, Christine, L.	(11) EP3714245	Axinte, Dragos
RIBE, Chris	(21) EP18812221.2	Alatorre Troncoso, David
ADLER, Michael, J.	(47) 13.04.2022	(31) 201914638
EBELING, Carla	(87) FI2018050851	(32) 10.10.2019
NEWMAN, Christian, M.	31.05.2019	(33) United Kingdom
(31) 73215	(22) 22.11.2018	(51) G01M 11/00
(32) 17.06.2008	(54) CRYOGENIC MICROWAVE ANALYZER	G01J 1/00
(33) United States of America	(73) IQM Finland Oy	G01J 3/50
(51) G01J 1/02	(72) LAKE, Russell	G02F 1/13
G01J 1/06	MÖTTÖNEN, Mikko	G01J 1/36
G01V 8/12	VESTERINEN, Visa	G01J 1/44
G01V 8/20	KOKKONIEMI, Roope	G01J 1/42
G01J 5/34	(31) 20176051	(11) EP3379224
G01J 1/04	(32) 23.11.2017	(21) EP16875457.0
(11) EP3327410	(33) Finland	(47) 13.04.2022
(21) EP17209202.5	(51) G01L 9/00	(87) JP2016086118
(47) 13.04.2022	G01L 19/00	22.06.2017
(22) 28.02.2013	G01L 19/14	(22) 05.12.2016

(54) OPTICAL CHARACTERISTIC MEASURING DEVICE	(54) AUTOMATED SPECIMEN PREPARATION SYSTEM WITH A WASTE EVACUATION APPARATUS	(73) Testo AG
(73) Konica Minolta, Inc.	(73) Hologic, Inc.	(72) Burtscher, Heinz
(72) SEKIGUCHI, Akihito	(72) GRIMES, Eric	Fierz, Martin
SHIMIZU, Shinji	JENOSKI, Raymond	(31) 05405015
TAKAHASHI, Makoto	(31) 201762554458 P	(32) 13.01.2005
(31) 2015245500	(32) 05.09.2017	(33) European Patent Office (EPO)
(32) 16.12.2015	(33) United States of America	(51) G01N 15/12
(33) Japan	(51) G01N 1/28	G01N 15/14
(51) G01M 13/045	G03H 1/00	G01N 33/49
(11) EP3526575	G03H 1/06	G01N 15/00
(21) EP17777604.4	G03H 1/04	(11) EP3260842
(47) 13.04.2022	G03H 1/08	(21) EP17182593.8
(87) EP2017075514	G03H 1/22	(47) 13.04.2022
19.04.2018	G01N 15/14	(22) 30.01.2008
(22) 06.10.2017	G01N 15/10	(54) HEMATOLOGICAL ANALYZER AND METHOD FOR ANALYZING A SAMPLE
(54) DETECTION OF FAULTY BEARINGS	G01N 21/64	(73) SYSMEX CORPORATION
(73) ABB Schweiz AG	(11) EP3671176	(72) KALKMAN, Hans
(72) KANSANAHO, Jarno	(21) EP20156195.8	NAGAI, Takaaki
SAARINEN, Kari	(47) 13.04.2022	NARISADA, Noriyuki
(31) 16193178	(22) 19.10.2010	(31) 2007119012
(32) 11.10.2016	(54) INCOHERENT LENSFREE CELL HOLOGRAPHY AND MICROSCOPY ON A CHIP	2007022524
(33) European Patent Office (EPO)	(73) The Regents of the University of California	(32) 27.04.2007
(51) G01N 1/22	(72) AYDOGAN, Ocan	01.02.2007
(11) EP3320320	ISIKMAN, Serhan Omer	(33) Japan
(21) EP16734257.5	OZTOPRAK, Chetin	Japan
(47) 13.04.2022	(31) 33150010 P	(51) G01N 21/15
(87) EP2016064893	25327609 P	G02B 27/00
12.01.2017	(32) 05.05.2010	B08B 3/00
(22) 27.06.2016	20.10.2009	(11) EP3791156
(54) LIQUID-COOLED GAS SAMPLING PROBE	(33) United States of America	(21) EP19742997.0
(73) Enotec GmbH Prozess und Umweltmesstechnik	United States of America	(47) 13.04.2022
(72) GUMPRECHT, Fred	(51) G01N 11/08	(87) NL2019050274
(31) 102015122251	(11) EP3411688	14.11.2019
102015110873	(21) EP17703370.1	(22) 08.05.2019
(32) 18.12.2015	(47) 13.04.2022	(54) METHOD AND SYSTEM FOR CLEANING AN INLINE SENSOR
06.07.2015	(87) EP2017052112	(73) Nijhuis Water Technology B.V.
(33) Germany	10.08.2017	Qsenz B.V.
Germany	(22) 01.02.2017	(72) RITECO, Ewout Pieter
(51) G01N 1/22	(54) RHEOMETER WITH CYCLICAL NARROWING AND WIDENING CROSS SECTION	RUIJTENBERG, Antonie
G01N 1/10	(73) Leistritz Extrusionstechnik GmbH	MENKVELD, Hendrik Willem Herman
(11) EP3044565	(72) MIETHLINGER, Jürgen	HOLTERMAN, Menno-Martijn
(21) EP14759022.8	(31) 102016201537	KEIJZER, Wilco Jacob Christiaan
(47) 13.04.2022	(32) 02.02.2016	(31) 2020899
(87) FR2014051982	(33) Germany	(32) 08.05.2018
19.03.2015	(51) G01N 15/06	(33) Netherlands
(22) 30.07.2014	B03C 3/00	(51) G01N 21/3581
(54) BOX IN WHICH IS INTEGRATED A GAS SAMPLING DEVICE AND FILLING STATION COMPRISING SUCH A BOX	B03C 3/08	G01N 21/3586
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude	B03C 3/12	G01N 21/85
(72) MAUVAIS, Patrick	B03C 3/38	(11) EP2863211
CARTEAU, David	B03C 3/41	(21) EP13807600.5
(31) 1358752	B03C 3/47	(47) 13.04.2022
(32) 12.09.2013	B03C 3/017	(87) JP2013066479
(33) France	G01N 15/02	27.12.2013
(51) G01N 1/28	(11) EP2264429	(22) 14.06.2013
(11) EP3679342	(21) EP10010809.1	(54) DEVICE FOR DETECTING IMPURITIES IN POWDER USING TERAHERTZ PULSE WAVES, AND METHOD FOR DETECTING IMPURITIES
(21) EP18811087.8	(47) 13.04.2022	(73) Nipro Corporation
(47) 13.04.2022	(22) 19.12.2005	(72) FUKASAWA Ryoichi
(87) US2018048495	(54) Method and device for determining the amount of elemental carbon in aerosol by measuring the average size and total charge of aerosol particles	TOMINAGA Shigenori
14.03.2019		(31) 2012137127
(22) 29.08.2018		(32) 18.06.2012
		(33) Japan
		(51) G01N 21/47
		G01N 21/55

G01N 21/88	(51) G01N 21/65	(47) 13.04.2022
G01N 21/17	G01Q 60/22	(22) 12.07.2011
(11) EP3564654	(11) EP3586109	(54) Calibration of conductivity measurement system
(21) EP19179901.4	(21) EP18709861.1	(73) Mettler-Toledo Thornton, Inc.
(47) 13.04.2022	(47) 13.04.2022	(72) Feng, Xiaoxing
(22) 31.01.2012	(87) US2018019202	Kunicki, Richard G.
(54) METHOD AND DEVICE FOR INSPECTING COATINGS WITH EFFECT PIGMENTS	30.08.2018	Bevilacqua, Anthony
(73) BYK-Gardner GmbH	(22) 22.02.2018	Marsh, David W.
(72) Schwarz, Peter	(54) FIBER-COUPLED METAL-TIP NEAR-FIELD CHEMICAL IMAGING SPECTROSCOPY	Mansur, Robert
Sperling, Uwe	(73) Baylor University	(31) 843387
(31) 102011108599	(72) ZHANG, Zhenrong	(32) 26.07.2010
(32) 27.07.2011	BIRMINGHAM, Blake	(33) United States of America
(33) Germany	LEE, Ho Wai, Howard	
(51) G01N 21/53	(31) 201762462225 P	(51) G01N 27/74
G01N 21/64	(32) 22.02.2017	(11) EP3807629
G01N 33/18	(33) United States of America	(21) EP19731677.1
G01N 21/85	(51) G01N 21/78	(47) 13.04.2022
(11) EP3265784	G01N 33/49	(87) EP2019065560
(21) EP16759602.2	G01N 21/77	19.12.2019
(47) 13.04.2022	(11) EP3115770	(22) 13.06.2019
(87) US2016020963	(21) EP16178062.2	(54) DEVICE AND METHOD FOR MAGNETIC DETECTION OF MICROSCOPIC BIOLOGICAL OBJECTS
09.09.2016	(47) 13.04.2022	(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(22) 04.03.2016	(22) 05.07.2016	(72) GIRAUD, Manon
(54) OPTICAL SENSOR FOR DETECTING FLUORESCENCE AND SCATTERING BY A FLUID SAMPLE	(54) METHOD FOR ESTIMATING AN AMOUNT OF ANALYTE IN A LIQUID	JASMIN, Guenaelle
(73) Ecolab USA Inc.	(73) Commissariat à l'énergie atomique et aux énergies alternatives	DELAPIERRE, Francois-Damien
(72) TOKHTUEV, Eugene	Avalun	FERMON, Claude
CHRISTENSEN, William M.	(72) COUTARD, Jean-Guillaume	(31) 1855217
SKIRDA, Anatoly	CUBIZOLLES, Myriam-Laure	(32) 14.06.2018
(31) 201514637576	POUTEAU, Patrick	(33) France
(32) 04.03.2015	(31) 1556445	(51) G01N 27/80
(33) United States of America	(32) 07.07.2015	G01N 27/72
(51) G01N 21/552	(33) France	G01D 11/24
(11) EP3359952	(51) G01N 23/201	G01B 7/06
(21) EP16775725.1	G01N 23/202	(11) EP3265799
(47) 13.04.2022	(11) EP2803982	(21) EP16711700.1
(87) EP2016073673	(21) EP14168166.8	(47) 13.04.2022
13.04.2017	(47) 13.04.2022	(87) JP2016001142
(22) 04.10.2016	(22) 13.05.2014	15.09.2016
(54) ANALYSING APPARATUS AND METHOD	(54) Method of evaluating neutron scattering length density	(22) 02.03.2016
(73) Causeway Sensors Limited	(73) SUMITOMO RUBBER INDUSTRIES, LTD.	(54) HARDENED LAYER DEPTH MEASURING APPARATUS
(72) HILL, Breandan	(72) Mashita, Ryo	(73) Oita University
MURPHY, Anthony	(31) 2013105436	Neturen Co., Ltd.
POLLARD, Robert	(32) 17.05.2013	(72) MISAKA, Yoshitaka
(31) 201517626	(33) Japan	SAKURAI, Kenta
(32) 06.10.2015	(51) G01N 25/52	KAWASAKI, Kazuhiro
(33) United Kingdom	(11) EP3633363	GOTOH, Yuji
(51) G01N 21/64	(21) EP19197925.1	(31) 2015045307
(11) EP2908089	(47) 13.04.2022	(32) 06.03.2015
(21) EP13845775.9	(22) 18.09.2019	(33) Japan
(47) 13.04.2022	(54) ELECTRIC IGNITION FOR FLASH POINT TESTER	(51) G01N 27/90
(87) JP2013077159	(73) Anton Paar ProveTec GmbH	G01N 29/06
17.04.2014	(72) Erler, Xenia	G01N 29/265
(22) 04.10.2013	Strasser, Florian	(11) EP3353539
(54) HEIGHT DIFFERENCE DETECTION METHOD, MICROARRAY ANALYSIS METHOD AND FLUORESCENCE READING DEVICE	Williams, Benjamin	(21) EP16747704.1
(73) Toray Industries, Inc.	(31) 102018123097	(47) 13.04.2022
(72) YOSHIKAWA, Syunpei	(32) 20.09.2018	(87) US2016044141
NAGINO, Kunihisa	(33) Germany	30.03.2017
(31) 2012227302	(51) G01N 27/06	(22) 27.07.2016
(32) 12.10.2012	G01N 27/416	(54) INSPECTION PATH DISPLAY
(33) Japan	(11) EP2413133	(73) General Electric Company
	(21) EP11173546.0	(72) GRONINGER, Daniel, Scott
		(31) 201514865533
		(32) 25.09.2015
		(33) United States of America

(51) G01N 29/02	B01F 15/00	B01J 20/281
B06B 1/06	B01D 15/16	B01J 20/285
G01N 29/036	B29B 7/00	B01J 20/286
G01N 29/22	B29B 7/38	G01N 30/26
G01N 29/24	G01N 30/34	G01N 30/34
G01N 9/00	G05D 11/02	G01N 30/50
H01L 41/053	G01N 30/24	G01N 30/72
H01L 41/25	G01N 30/20	G01N 30/74
H03H 9/17	(11) EP2523749	B01J 20/32
(11) EP3306311	(21) EP11732302.2	B01D 15/30
(21) EP17183782.6	(47) 13.04.2022	B01D 15/16
(47) 13.04.2022	(87) US2011020792	(11) EP3644055
(22) 28.07.2017	14.07.2011	(21) EP18820716.1
(54) KRYO-CAPABLE RESONATOR	(22) 11.01.2011	(47) 13.04.2022
SENSOR	(54) SYSTEM AND MANIFOLD FOR	(87) JP2018023650
(73) ArianeGroup GmbH	SOLVENT MIXING IN LIQUID	27.12.2018
(72) Lindner, Gerhard	CHROMATOGRAPHY SYSTEMS	(22) 21.06.2018
Fairuschin, Viktor	(73) Waters Technologies Corporation	(54) SEPARATION/ANALYSIS METHOD FOR
Konopka, Martin	(72) LINDERSON, Paul, E.	MIXTURE OF OLIGONUCLEOTIDES
(31) 102016118897	ANGELOSANTO, John	(73) Showa Denko K.K.
(32) 05.10.2016	O'DONNELL'S, Kara	(72) KOKIDO, Yuzuru
(33) Germany	LEVEILLE, Wade, P.	AOKI, Hirobumi
(51) G01N 29/024	JOUDREY, Kurt	SASUGA, Junji
G01H 5/00	JACKSON, Michael, R.	(31) 2017122345
G01N 29/32	LEBEAU, Michael	(32) 22.06.2017
G01N 29/44	MURPHY, Charles, T.	(33) Japan
(11) EP3517946	(31) 293863 P	(51) G01N 30/91
(21) EP19153194.6	(32) 11.01.2010	G01N 1/10
(47) 13.04.2022	(33) United States of America	G01N 35/10
(22) 23.01.2019	(51) G01N 30/34	B01L 9/00
(54) METHOD FOR DETERMINING A	G01N 30/86	G01N 1/02
CORRECTED VALUE FOR VISCOSITY-	B01D 15/12	G01N 1/40
DEPENDENT SOUND VELOCITY IN A	(11) EP3201618	B01D 15/08
FLUID TO BE EXAMINED	(21) EP15774884.9	B01L 3/02
(73) Anton Paar GmbH	(47) 13.04.2022	(11) EP2936144
(72) ROSSEGGER, Stefan	(87) EP2015071762	(21) EP13814032.2
AMSÜSS, Robert	07.04.2016	(47) 13.04.2022
BREIDLER, Robert	(22) 22.09.2015	(87) EP2013003553
SCHANTL, Lukas	(54) METHOD FOR PREDICTING THE	26.06.2014
(31) 500622018	SOLUBILITY OF A BUFFER	(22) 25.11.2013
(32) 24.01.2018	(73) Cytiva Sweden AB	(54) METHOD AND DEVICE FOR
(33) Austria	(72) STRANDBERG, Elenor	CARRYING OUT THIN-FILM
(51) G01N 29/04	CARREDANO, Enrique	CHROMATOGRAPHY
G01N 29/11	(31) 1451148	(73) Merck Patent GmbH
G01N 29/26	(32) 29.09.2014	(72) SCHULZ, Michael
G01N 29/265	(33) Sweden	(31) 12008479
(11) EP3239706	(51) G01N 30/46	(32) 20.12.2012
(21) EP17168746.0	G01N 30/72	(33) European Patent Office (EPO)
(47) 13.04.2022	G01N 30/84	(51) G01N 31/22
(22) 28.04.2017	(11) EP3425386	(11) EP3055689
(54) APPARATUS AND METHOD FOR	(21) EP17180388.5	(21) EP14799354.7
INSPECTING AN OBJECT USING	(47) 13.04.2022	(47) 13.04.2022
ULTRASONIC WAVES IN THE FIELD	(22) 07.07.2017	(87) EP2014071520
OF MATERIAL TESTING	(54) ONLINE APPARATUS FOR IN-DEPTH	16.04.2015
(73) Fraunhofer-Gesellschaft zur Förderung	CHARACTERIZATION OF ANTIBODY	(22) 08.10.2014
der angewandten Forschung e.V.	DRUG CONJUGATES	(54) PH INDICATOR DEVICE AND METHOD
(72) Bähr, Werner	(73) UNIVERSITE CLAUDE BERNARD -	FOR MEASURING A PH
ZAPF, Michael	LYON 1	(73) Smith & Nephew plc
Osman, Ahmad	Université de Strasbourg	(72) HAMMOND, Victoria, Jody
HOPP, Torsten	Ecole Normale Supérieure de Lyon	HICKS, John, Kenneth
RUITER, Nicole	Centre National de la Recherche	(31) 201317746
HANKE, Randolph	Scientifique (CNRS)	(32) 08.10.2013
Valeske, Bernd	(72) CIANFERANI, Sarah	(33) United Kingdom
GEMMEKE, Hartmut	ROUVIERE, Florent	(51) G01N 33/08
(31) 16167716	GUILLARME, Davy	(11) EP3274704
(32) 29.04.2016	HEINISCH, Sabine	(21) EP15769912.5
(33) European Patent Office (EPO)	(51) G01N 30/88	(47) 13.04.2022
(51) G01N 30/32	B01D 15/32	(87) IL2015050309

01.10.2015	G01N 33/543	DKFZ Deutsches
(22) 24.03.2015	(11) EP3258265	Krebsforschungszentrum
(54) METHOD AND SYSTEM FOR	(21) EP16748586.1	(72) PIKE, Ian, Hugo
EXAMINING EGGS	(47) 13.04.2022	KONCAREVIC, Sasa
(73) LIVEGG (2015) LTD	(87) CN2016072094	OPITZ, Christiane
(72) HOFFMAN, Eliahu Shalom	18.08.2016	SCHULZ-KNAPPE, Peter
ADAR, Gavriel	(22) 26.01.2016	PLATTEN, Michael
ADAR, Yair Or	(54) METHOD FOR ASSESSING RISK OF	KUHN, Karsten
(51) G01N 33/38	HUMAN CYTOMEGALOVIRUS ACTIVE	(31) 201519186
G01N 25/72	INFECTION IN BODY AND RELATED	(32) 30.10.2015
G01N 3/60	KIT	(33) United Kingdom
(11) EP3180610	(73) Xiamen University	(51) G01N 33/68
(21) EP15756545.8	(72) XIA, Ningshao	(11) EP3517964
(47) 13.04.2022	HUANG, Xi	(21) EP18210390.3
(87) AT2015050194	LI, Tingdong	(47) 13.04.2022
18.02.2016	LI, Jinjie	(22) 20.03.2015
(22) 10.08.2015	GE, Shengxiang	(54) NEW MARKERS FOR THE
(54) METHOD FOR TESTING A BODY WITH	ZHANG, Jun	ASSESSMENT OF THE RISK
BRITTLE MATERIAL BEHAVIOR	(31) 201510067190	FOR DEVELOPMENT OF A
(73) Materials Center Leoben Forschung	(32) 09.02.2015	CARDIOVASCULAR DISORDER
GmbH	(33) China	(73) McMaster University
(72) SUPANCIC, Peter	(51) G01N 33/543	Sanofi-Aventis Deutschland GmbH
STROBL, Stefan	G01N 33/545	(72) MCQUEEN, Matthew
DANZER, Robert	(11) EP3531130	GERSTEIN, Hertzfel
EBNER, Reinhold	(21) EP17861349.3	PARE, Guillaume
(31) 505602014	(47) 13.04.2022	HESS, Sybille
(32) 11.08.2014	(87) JP2017037517	(31) 14306528
(33) Austria	26.04.2018	14305406
(51) G01N 33/49	(22) 17.10.2017	(32) 30.09.2014
(11) EP3411709	(54) IMMUNOASSAY METHOD AND ASSAY	21.03.2014
(21) EP17702569.9	REAGENT	(33) European Patent Office (EPO)
(47) 13.04.2022	(73) Eiken Kagaku Kabushiki Kaisha	European Patent Office (EPO)
(87) EP2017051590	(72) MURAKAMI Yusuke	(51) G01N 35/00
10.08.2017	(31) 2016205056	G01N 33/48
(22) 26.01.2017	(32) 19.10.2016	(11) EP3531134
(54) AN ARRANGEMENT FOR	(33) Japan	(21) EP19165927.5
COLLECTION AND SEPARATION OF	(51) G01N 33/58	(47) 13.04.2022
A BODY FLUID FOR PURPOSES OF	G01N 33/50	(22) 02.08.2011
ANALYSIS AND A METHOD RELATING	B01L 3/00	(54) URINE SAMPLE TESTING APPARATUS
THERETO	G01N 15/14	AND APPARATUS FOR PROCESSING
(73) Hemcheck Sweden Aktiebolag	(11) EP3289362	MEASUREMENT RESULT OF URINE
(72) BROLINSON, Annelie	(21) EP16719414.1	SAMPLE
ERIKSSON, Björn	(47) 13.04.2022	(73) SYSMEX CORPORATION
(31) 1650130	(87) EP2016059658	(72) Mizumoto, Toru
(32) 03.02.2016	03.11.2016	Izumi, Takayoshi
(33) Sweden	(22) 29.04.2016	Tsutsumida, Keisuke
(51) G01N 33/49	(54) MICROFLUIDIC DROPLET DETECTION	(31) 2010174191
G01N 1/28	AND SORTING	(32) 03.08.2010
G01N 1/38	(73) European Molecular Biology Laboratory	(33) Japan
G01N 15/14	(72) EUSTACE, David	(51) G01P 3/489
G01N 15/00	HU, Hongxing	G01P 3/486
(11) EP3017286	MERTEN, Christoph, A.	G01P 13/04
(21) EP14741677.0	(31) 15165915	G01D 5/245
(47) 13.04.2022	(32) 30.04.2015	G01D 5/246
(87) IL2014050585	(33) European Patent Office (EPO)	G01D 5/36
08.01.2015	(51) G01N 33/68	G01D 5/347
(22) 30.06.2014	(11) EP3368905	(11) EP3653997
(54) A METHOD, KIT AND SYSTEM FOR	(21) EP16790579.3	(21) EP17934932.9
IMAGING A BLOOD SAMPLE	(47) 13.04.2022	(47) 13.04.2022
(73) S.D. Sight Diagnostics Ltd.	(87) EP2016076265	(87) CN2017115537
(72) SALPETER, Seth J.	04.05.2017	20.06.2019
HOURI YAFIN, Arnon	(22) 31.10.2016	(22) 12.12.2017
POLLAK, Joseph Joel	(54) ISOTOPIC METHODS FOR	(54) ROTATION PARAMETER DETECTION
(31) 22727613	MEASUREMENT OF TRYPTOPHAN	METHOD, ENCODER, LASER RADAR
(32) 01.07.2013	AND METABOLITES THEREOF	AND UNMANNED AERIAL VEHICLE
(33) Israel	(73) Electrophoretics Limited	(73) SZ DJI Technology Co., Ltd.
(51) G01N 33/53	Ruprecht-Karls-Universität	(72) LIU, Wanqi
G01N 33/569		ZHOU, Changxing

LAN, Qiu	(32) 24.08.2004	ANDO, Yasuo
(51) G01R 1/22	10.05.2004	(31) 2015256150
G01R 15/20	(33) United States of America	(32) 28.12.2015
G01R 15/18	United States of America	(33) Japan
(11) EP3405795	(51) G01R 31/01	(51) G01S 5/16
(21) EP17701558.3	(11) EP2378300	G06T 7/20
(47) 13.04.2022	(21) EP11160682.8	G06T 11/00
(87) GB2017050109	(47) 13.04.2022	H04N 1/00
27.07.2017	(22) 31.03.2011	H04N 1/32
(22) 18.01.2017	(54) Apparatus and method for screening electrolytic capacitors	H04N 5/232
(54) MEASUREMENT DEVICE	(73) Kemet Electronics Corporation	H04W 4/02
(73) GMC-I Prosys Ltd.	(72) Reed, Erik	H04W 64/00
(72) GOULDSON, Dean	Freeman, Yuri	H04W 88/02
JACYNA, Geoffrey	Paulsen, Jonathan	(11) EP2625847
MAHON, James	(31) 751107	(21) EP11832222.1
(31) 201601188	(32) 31.03.2010	(47) 13.04.2022
(32) 22.01.2016	(33) United States of America	(87) IL2011000787
(33) United Kingdom	(51) G01R 31/28	19.04.2012
(51) G01R 19/00	(11) EP3320353	(22) 06.10.2011
G01R 1/36	(21) EP16744810.9	(54) NETWORK-BASED REAL TIME REGISTERED AUGMENTED REALITY FOR MOBILE DEVICES
G05F 3/26	(47) 13.04.2022	(73) Rafael Advanced Defense Systems Ltd.
(11) EP3770613	(87) FR2016051753	(72) ADLER, Avigdor
(21) EP20185427.0	12.01.2017	BERKOVICH, Erez
(47) 13.04.2022	(22) 08.07.2016	LITWITZ, Elon
(22) 13.07.2020	(54) DEVICE INTENDED FOR OPERATING IN A HOSTILE ENVIRONMENT	(31) 20860010
(54) CURRENT SENSE CIRCUIT AND METHOD THEREOF	(73) Elements	(32) 10.10.2010
(73) NXP B.V.	(72) BALLOT, Yohann	(33) Israel
(72) TORNILA OLIVER, Jaume	MESNIER, Didier	(51) G01S 5/26
(31) 201916522785	LAVIELLE, Denis	G01V 1/00
(32) 26.07.2019	GALINIER, Stéphane	G01V 1/28
(33) United States of America	(31) 1556504	G06F 21/53
(51) G01R 21/08	(32) 09.07.2015	G06F 21/57
G01R 15/20	(33) France	G06F 21/72
G01R 21/00	(51) G01R 31/28	H04L 9/08
G01R 33/07	G01R 31/3185	G06F 11/30
G01R 1/20	(11) EP3312623	G06F 21/55
G01R 15/14	(21) EP15895526.0	G01V 1/30
(11) EP2833156	(47) 13.04.2022	(11) EP3465253
(21) EP13769691.0	(87) JP2015003047	(21) EP16903896.5
(47) 13.04.2022	22.12.2016	(47) 13.04.2022
(87) JP2013001860	(22) 18.06.2015	(87) FI2016050391
03.10.2013	(54) SEMICONDUCTOR DEVICE AND DIAGNOSTIC TEST METHOD	07.12.2017
(22) 19.03.2013	(73) Renesas Electronics Corporation	(22) 01.06.2016
(54) POWER MEASURING APPARATUS	(72) MAEDA, Yoichi	(54) SEISMIC DETERMINATION OF LOCATION
(73) Osaka City University	SUZUKI, Takayuki	(73) Nokia Technologies Oy
(72) TSUJIMOTO, Hiroaki	MATSUSHIMA, Jun	(72) HIPPELÄINEN, Leo
(31) 2012072532	(51) G01R 33/09	OLIVER, Ian
(32) 27.03.2012	G01R 33/02	(51) G01S 7/481
(33) Japan	H01L 43/08	G01S 17/89
(51) G01R 27/28	G01R 33/10	H01L 27/146
G01R 31/3183	(11) EP3399324	G01S 17/32
G01R 31/3193	(21) EP16881813.6	(11) EP3598167
G01R 31/317	(47) 13.04.2022	(21) EP19185887.7
(11) EP1771796	(87) JP2016089053	(47) 13.04.2022
(21) EP05738841.5	06.07.2017	(22) 11.07.2019
(47) 13.04.2022	(22) 28.12.2016	(54) LIGHT-RECEIVING ELEMENT AND DISTANCE MEASUREMENT MODULE
(87) IL2005000495	(54) MAGNETIC SENSOR, SENSOR UNIT, MAGNETIC DETECTION DEVICE, AND MAGNETIC MEASUREMENT DEVICE	(73) Sony Semiconductor Solutions Corporation
17.11.2005	(73) Tohoku University	(72) YAMAZAKI, Takeshi
(22) 10.05.2005	Konica Minolta, Inc.	MURASE, Takuro
(54) TESTING SUITE FOR PRODUCT FUNCTIONALITY ASSURANCE AND GUIDED TROUBLESHOOTING	(72) OOGANE, Mikihiro	ISOGAI, Yuji
(73) QualiSystems Ltd	TERAUCHI, Takashi	WATANABE, Ryota
(72) MOSKOVICH, Moshe	FUJIWARA, Kousuke	MARUYAMA, Takuya
ACKERMAN, Alex	JONO, Junichi	IMOTO, Tsutomu
(31) 603543 P		
569261 P		

(31) 2018135401	(21) EP18761275.9	(33) Japan
(32) 18.07.2018	(47) 13.04.2022	(51) G01S 13/931
(33) Japan	(87) US2018019646	G01S 7/41
(51) G01S 13/44	07.09.2018	G01S 13/50
G01S 13/93	(22) 26.02.2018	G01S 13/72
G01S 7/292	(54) MILLIMETER WAVE IMAGING	G01S 13/87
G01S 13/10	DEVICES, AND METHODS OF	G01S 13/86
H01Q 25/02	OPERATING MILLIMETER WAVE	(11) EP3644090
H01Q 21/06	IMAGING DEVICES	(21) EP18001023.3
G01S 3/46	(73) VU Systems, LLC	(47) 13.04.2022
G01S 13/02	(72) AMMAR, Dan	(22) 28.12.2018
G01S 13/933	(31) 201715847378	(54) DRIVER ASSISTANCE SYSTEM AND
(11) EP3534178	201762464737 P	CONTROL METHOD THEREOF
(21) EP19158704.7	(32) 19.12.2017	(73) Mando Mobility Solutions Corporation
(47) 13.04.2022	28.02.2017	(72) JinHyeon, Park
(22) 22.02.2019	(33) United States of America	(31) 20180128523
(54) RADAR APPARATUS WITH ANTENNA	United States of America	(32) 25.10.2018
ARRAY AND METHOD FOR	(51) G01S 13/91	(33) Korea (Republic)
SOURCE LOCATION USING A TWO-	G01S 13/93	(51) G01S 17/04
DIMENSIONAL ANTENNA ARRAY	(11) EP3625586	G01S 7/481
(73) MBDA Deutschland GmbH	(21) EP17910228.0	G01S 17/42
(72) Schwab, Wolfgang	(47) 13.04.2022	G01S 17/58
Leberer, Ralf	(87) CN2017084743	G01S 7/48
Utschick, Wolfgang	22.11.2018	(11) EP3379287
Weiland, Lorenz	(22) 17.05.2017	(21) EP15908702.2
(31) 102018001499	(54) VEHICLE-MOUNTED LIGHT	(47) 13.04.2022
(32) 26.02.2018	DETECTION AND RANGING (LIDAR)	(87) JP2015082113
(33) Germany	SYSTEM	26.05.2017
(51) G01S 13/76	(73) O-Net Communications (Shenzhen)	(22) 16.11.2015
G01S 13/87	Limited	(54) LASER SCANNING SENSOR
G01S 13/93	(72) YU, Aihua	(73) Optex Co., Ltd.
G01S 13/931	HUA, Yimin	(72) KATSUMI Keisuke
G01S 7/00	(51) G01S 13/93	(51) G01S 17/42
G01S 13/00	G01S 13/86	G01S 17/89
H04W 4/02	G08G 1/16	G01S 17/86
H04W 4/46	G06K 9/00	G01S 7/481
H04W 4/80	B60R 21/00	(11) EP2506035
(11) EP3803453	G06T 7/20	(21) EP12161519.9
(21) EP19729931.6	G06T 7/60	(47) 13.04.2022
(47) 13.04.2022	(11) EP3159866	(22) 27.03.2012
(87) US2019029162	(21) EP15809777.4	(54) Laser scanner and method for detecting
05.12.2019	(47) 13.04.2022	mobile object
(22) 25.04.2019	(87) JP2015065967	(73) Kabushiki Kaisha TOPCON
(54) SIGNALING FOR RADAR SYSTEMS	23.12.2015	(72) Yoshino, Ken-ichiro
(73) QUALCOMM Incorporated	(22) 03.06.2015	Ito, Tadayuki
(72) NIESEN, Urs	(54) OBJECT RECOGNITION APPARATUS	Matsumoto, Masae
LI, Junyi	AND VEHICLE TRAVEL CONTROLLER	(31) 2011071544
(31) 201916267637	USING SAME	(32) 29.03.2011
201862677458 P	(73) Hitachi Astemo, Ltd.	(33) Japan
(32) 05.02.2019	(72) KURODA, Hiroshi	(51) G01S 17/58
29.05.2018	(31) 2014126634	G01S 7/481
(33) United States of America	(32) 19.06.2014	G01S 7/48
United States of America	(33) Japan	G01H 13/00
(51) G01S 13/89	(51) G01S 13/931	G01H 9/00
H01Q 15/22	G01S 7/40	(11) EP3139195
H01Q 19/17	(11) EP3457165	(21) EP16186868.2
H01Q 19/195	(21) EP18192762.5	(47) 13.04.2022
H01Q 15/00	(47) 13.04.2022	(22) 01.09.2016
H01Q 19/06	(22) 05.09.2018	(54) REMOTE TARGET IDENTIFICATION
G01S 7/03	(54) DRIVING SUPPORT DEVICE AND	USING LASER DOPPLER
G01V 8/00	CONTROL METHOD OF DRIVING	VIBROMETRY
H01Q 3/18	SUPPORT DEVICE	(73) The Boeing Company
H01Q 3/20	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(72) SAINT CLAIR, Jonathan M.
H01Q 15/24	(72) MITSUI, Kazuki	LAM, Tai A.
H01Q 1/28	HASHIMOTO, Yuuki	SOREIDE, David C.
H01Q 1/02	NIWA, Takuto	(31) 201514843685
H01Q 1/42	(31) 2017176160	(32) 02.09.2015
(11) EP3552042	(32) 13.09.2017	

(33) United States of America	201662277128 P	SUCH A STATION AND METHOD FOR
(51) G01S 19/03	(32) 01.12.2016	CONFIGURING SUCH A STATION
G01S 19/07	11.01.2016	(73) Somfy Activites SA
G01S 5/30	(33) United States of America	(72) CHERON, Eric
(11) EP3532867	United States of America	(31) 1758147
(21) EP17800574.0	(51) G01V 3/15	(32) 04.09.2017
(47) 13.04.2022	(11) EP2350993	(33) France
(87) GB2017053188	(21) EP09821346.5	(51) G02B 1/00
03.05.2018	(47) 13.04.2022	(11) EP3568719
(22) 23.10.2017	(87) US2009061061	(21) EP18702759.4
(54) OFFSHORE GNSS REFERENCE	22.04.2010	(47) 13.04.2022
STATION APPARATUS, OFFSHORE	(22) 16.10.2009	(87) FR2018050061
GNSS POSITIONING SYSTEM,	(54) DYNAMIC INFORMATION	19.07.2018
AND METHOD OF GENERATING	PROJECTION FOR A WALL SENSOR	(22) 11.01.2018
POSITIONING REFERENCE DATA	(73) Zircon Corporation	(54) LENS WITH FOCUSING
OFFSHORE	(72) STAUSS, John, R.	METASURFACE AND LOW
(73) Sonardyne International Limited	ROSSETTI, Anthony, J.	CHROMATIC ABERRATION
(72) POWE, Matthew	KRANTZ, Norman, LaVar	(73) Commissariat à l'Energie Atomique et
(31) 201618287	WINGATE, Barry	aux Energies Alternatives
(32) 28.10.2016	(31) 105856 P	(72) ROTHMAN, Johan
(33) United Kingdom	580894	BADANO, Giacomo
(51) G01V 1/16	(32) 16.10.2008	(31) 1750289
B66B 5/02	16.10.2009	(32) 13.01.2017
(11) EP2902809	(33) United States of America	(33) France
(21) EP15151711.7	United States of America	(51) G02B 1/116
(47) 13.04.2022	(51) G01V 8/14	G02C 7/02
(22) 20.01.2015	G01V 8/22	C23C 14/22
(54) SEISMIC-DETECTION SENSOR	G01S 17/04	G02B 1/16
DEVICE FOR VERTICAL	G01S 7/481	(11) EP3279706
TRANSPORTATION EQUIPMENT	(11) EP3540476	(21) EP16773132.2
(73) Draka Elevator Products, Inc.	(21) EP19151549.3	(47) 13.04.2022
(72) SMITH, Russel Stephen	(47) 13.04.2022	(87) JP2016060704
(31) 201461937130 P	(22) 14.01.2019	06.10.2016
201461934343 P	(54) PHOTOELECTRONIC SENSOR AND	(22) 31.03.2016
(32) 07.02.2014	SENSOR SYSTEM	(54) EYEGLASS LENS AND METHOD
31.01.2014	(73) OMRON Corporation	FOR MANUFACTURING SAME, AND
(33) United States of America	(72) Miyata, Tsuyoshi	EYEGLASSES
United States of America	TANAKA, Motoki	(73) Hoya Lens Thailand Ltd.
(51) G01V 1/30	(31) 2018047350	(72) NISHIMOTO, Keiji
(11) EP2867703	(32) 14.03.2018	(31) 2015073844
(21) EP13717835.6	(33) Japan	(32) 31.03.2015
(47) 13.04.2022	(51) G01V 8/20	(33) Japan
(87) GB2013050939	(11) EP3761068	(51) G02B 5/00
03.01.2014	(21) EP20175626.9	G02B 21/12
(22) 11.04.2013	(47) 13.04.2022	G02B 21/08
(54) ADAPTIVE FAULT TRACKING	(22) 20.05.2020	(11) EP3207409
(73) Foster Findlay Associates Limited	(54) OPTOELECTRONIC SENSOR	(21) EP15787799.4
(72) NORTON, Dale	ASSEMBLY	(47) 13.04.2022
HENDERSON, Jonathon	(73) SICK AG	(87) US2015055283
LOWELL, James	(72) Waslowski, Kai	21.04.2016
PURVES, Steven James	Hörsch, Ingolf	(22) 13.10.2015
(31) 201211607	Götz, Matthias	(54) UNIQUE OBLIQUE LIGHTING
(32) 29.06.2012	Merettig, Gerhard	TECHNIQUE USING A BRIGHTFIELD
(33) United Kingdom	(31) 102019118104	DARKFIELD OBJECTIVE AND
(51) G01V 1/38	(32) 04.07.2019	IMAGING METHOD RELATING
(11) EP3403119	(33) Germany	THERETO
(21) EP17700237.5	(51) G01W 1/02	(73) Nanotronics Imaging, Inc.
(47) 13.04.2022	G01W 1/12	(72) ORLANDO, Julie A.
(87) EP2017050429	G01J 1/02	PUTMAN, John B.
20.07.2017	G01J 1/42	PUTMAN, Matthew C.
(22) 10.01.2017	(11) EP3679408	BULMAN, Joseph G.
(54) SYSTEM AND METHOD OF MARINE	(21) EP18759350.4	(31) 201462063564 P
GEOPHYSICAL SURVEYS WITH	(47) 13.04.2022	(32) 14.10.2014
DISTRIBUTED SEISMIC SOURCES	(87) EP2018073618	(33) United States of America
(73) PGS Geophysical AS	07.03.2019	(51) G02B 6/00
(72) OSCARSSON, Mattias D. C.	(22) 03.09.2018	F21S 8/00
TONNESSEN, Rune	(54) METEOROLOGICAL STATION,	F21V 8/00
(31) 201615366641	CONTROL FACILITY COMPRISING	(11) EP3401714

(21) EP16843281.3	(33) United States of America	(54) MICROSCOPE SYSTEM AND METHOD
(47) 13.04.2022	(51) G02B 17/08	OF CONTROLLING THE SAME
(87) CN2016095959	G02B 23/06	(73) Canon Kabushiki Kaisha
13.07.2017	(11) EP3123229	(72) SHIMADA, Tsutomu
(22) 19.08.2016	(21) EP15769292.2	ANDO, Hirotake
(54) LIGHT GUIDE COMPONENT,	(47) 13.04.2022	SAKATA, Tsuguhide
BACKLIGHT MODULE AND DISPLAY	(87) US2015021996	MASUDA, Shinobu
APPARATUS	01.10.2015	SAKAMOTO, Michiie
(73) BOE Optical Science And Technology	(22) 23.03.2015	KATO, Kazuhiko
Co., Ltd.	(54) TELESCOPE AND TELESCOPE ARRAY	HASHIGUCHI, Akinori
BOE Technology Group Co., Ltd.	FOR USE IN SPACECRAFT	(31) 2015241641
(72) PEI, Xiaozeng	(73) University of Florida Research	(32) 10.12.2015
XIA, Xiaoli	Foundation, Inc.	(33) Japan
(31) 201610001520	(72) ZHAO, Bo	(51) G02B 21/36
(32) 05.01.2016	GUZMAN, Rafael	G02B 26/04
(33) China	(31) 201414224134	(11) EP2869108
(51) G02B 6/02	(32) 25.03.2014	(21) EP13810846.9
G02B 6/028	(33) United States of America	(47) 13.04.2022
G02B 6/036	(51) G02B 21/00	(87) JP2013002738
G02B 27/00	(11) EP3418788	03.01.2014
(11) EP3100087	(21) EP18000486.3	(22) 23.04.2013
(21) EP15743355.8	(47) 13.04.2022	(54) MICROSCOPE AND SHUTTER
(47) 13.04.2022	(22) 14.10.2011	MECHANISM
(87) US2015013655	(54) METHOD AND DEVICE FOR OPTICAL	(73) Sony Group Corporation
06.08.2015	MEASUREMENT	(72) HAYASHI, Kunihiko
(22) 30.01.2015	(73) Bioaxial SAS	NARUSAWA, Ryu
(54) DESIGN AND MANUFACTURE OF	(72) SIRAT, Gabriel Y.	YAMAMOTO, Takashi
MULTI-MODE OPTICAL FIBERS	(31) 1004067	(31) 2012144370
(73) OFS Fitel, LLC	(32) 15.10.2010	(32) 27.06.2012
(72) BALEMARTHY, Kasyapa	(33) France	(33) Japan
FLEMING, James, W.	(51) G02B 21/00	(51) G02B 27/00
YAN, Man, F.	G02B 5/28	G03B 17/02
LINGLE, Robert, L.	(11) EP3308210	(11) EP3076217
KIM, Jinkee	(21) EP16731075.4	(21) EP14864760.5
VAIDYA, Durgesh	(47) 13.04.2022	(47) 13.04.2022
SHUBOCHKIN, Roman	(87) EP2016063509	(87) JP2014005894
(31) 201461934223 P	15.12.2016	28.05.2015
(32) 31.01.2014	(22) 13.06.2016	(22) 25.11.2014
(33) United States of America	(54) SCANNING MICROSCOPE	(54) LENS UNIT, IMAGE-CAPTURING
(51) G02B 6/122	(73) Leica Microsystems CMS GmbH	DEVICE, AND VEHICLE-MOUNTED
G02B 6/126	(72) GUGEL, Hilmar	CAMERA
(11) EP3561561	BÖHM, Ingo	(73) Kyocera Corporation
(21) EP18169554.5	NEUGART, Felix	(72) NUMATA, Yusuke
(47) 13.04.2022	(31) 92740	(31) 2013243053
(22) 26.04.2018	(32) 11.06.2015	(32) 25.11.2013
(54) OPTICAL SPLITTER INCLUDING A	(33) Luxembourg	(33) Japan
TRIDENT STRUCTURE	(51) G02B 21/00	(51) G02B 27/01
(73) Huawei Technologies Co., Ltd.	G02B 27/58	(11) EP3422082
(72) DAMAS, Pedro	G02B 5/20	(21) EP18180239.8
LAMPONI, Marco	G02B 5/28	(47) 13.04.2022
(51) G02B 6/38	(11) EP3336596	(22) 27.06.2018
G02B 6/36	(21) EP16204063.8	(54) IMAGE PROJECTION UNIT SUITABLE
G02B 6/44	(47) 13.04.2022	FOR RECEIVING A PARTIALLY
(11) EP2318868	(22) 14.12.2016	TRANSPARENT SLIDE, ASSOCIATED
(21) EP09803398.8	(54) METHOD OF STED MICROSCOPY	PARTIALLY TRANSPARENT SLIDE AND
(47) 13.04.2022	(73) Universitätsklinikum Jena	HEAD-UP DISPLAY
(87) US2009051418	(72) BÖRSCH, Michael	(73) Valeo Comfort and Driving Assistance
04.02.2010	(51) G02B 21/24	(72) BOMBARD, Stéphane
(22) 22.07.2009	G02B 21/26	DELPierre, Laurent
(54) OPTICAL FIBER CABLE INLET DEVICE	G02B 21/36	GRANDCLERC, François
WITH INTEGRAL OPTICAL DEVICE	(11) EP3387479	(31) 1755862
(73) Corning Research & Development	(21) EP16815979.6	(32) 27.06.2017
Corporation	(47) 13.04.2022	(33) France
(72) BLUDAU, Thomas, E.	(87) JP2016086337	(51) G02B 27/01
PARIKH, Rutesh, D.	15.06.2017	(11) EP3879331
ALLEN, William, G.	(22) 07.12.2016	(21) EP21160994.6
(31) 85584 P		(47) 13.04.2022
(32) 01.08.2008		(22) 05.03.2021

(54) VEHICULAR DISPLAY DEVICE	(72) HOU, Minxiang	(21) EP19194738.1
(73) Yazaki Corporation	(31) 201710335387	(47) 13.04.2022
(72) ICHIKAWA, Junichi	(32) 12.05.2017	(22) 11.10.2013
SUGIYAMA, Tetsuya	(33) China	(54) GUIDED PHOTOGRAPHY AND VIDEO
(31) 2020040538	(51) G02F 1/13357	ON A MOBILE DEVICE
(32) 10.03.2020	H01L 27/32	(73) eBay, Inc.
(33) Japan	H01L 51/52	(72) GLASGOW, Dane
(51) G02C 7/02	(11) EP3477369	(31) 201213650372
(11) EP1697785	(21) EP18202711.0	(32) 12.10.2012
(21) EP04812985.2	(47) 13.04.2022	(33) United States of America
(47) 13.04.2022	(22) 25.10.2018	(51) G03B 21/10
(87) US2004040577	(54) COLOR CONVERSION ELEMENT AND	A47G 5/00
23.06.2005	DISPLAY DEVICE INCLUDING THE	G03B 21/14
(22) 02.12.2004	SAME	G03B 21/30
(54) SHAPED NON-CORRECTIVE	(73) Samsung Display Co., Ltd.	G03B 21/58
EYEWEAR LENSES AND METHODS	(72) LEE, Taek Joon	H04N 5/74
FOR PROVIDING SAME	JUNG, Jin Soo	G03B 21/11
(73) Carl Zeiss Vision Australia Holdings Ltd.	OH, Keun Chan	G03B 21/62
(72) PERROTT, Colin	JANG, Hye Lim	G06F 3/041
STOCKMAN, Kym Ansley	TAK, Kyung Seon	H04N 9/31
MILLER, Anthony, Dennis	CHANG, Sun Young	(11) EP3365728
(31) 873214	BAEK, Moon Jung	(21) EP16858271.6
526289 P	JEON, Baek Kyun	(47) 13.04.2022
(32) 23.06.2004	LYU, Jae Jin	(87) US2016058055
03.12.2003	KIM, Young Gu	27.04.2017
(33) United States of America	(31) 20180105588	(22) 21.10.2016
United States of America	20170139105	(54) IMPROVED SPONTANEOUS POP-UP
(51) G02F 1/1333	(32) 04.09.2018	DISPLAY DEVICE
G02F 1/13357	25.10.2017	(73) Arovia, Inc.
(11) EP3214487	(33) Korea (Republic)	(72) ZHU, Shengliang
(21) EP17167616.6	Korea (Republic)	WESLEY, Alexander
(47) 13.04.2022	(51) G02F 1/167	(31) 201662317552 P
(22) 10.11.2006	G09G 3/34	201562244298 P
(54) LIQUID CRYSTAL DISPLAY	G09G 3/20	(32) 03.04.2016
APPARATUS	(11) EP3304192	21.10.2015
(73) Samsung Electronics Co., Ltd	(21) EP16804285.1	(33) United States of America
(72) Cho, Jin Hyun	(47) 13.04.2022	United States of America
Kang, Joon	(87) US2016035174	(51) G03B 21/20
(31) 20060023068	08.12.2016	G02B 26/00
(32) 13.03.2006	(22) 01.06.2016	G03B 33/08
(33) Korea (Republic)	(54) COLOR DISPLAY DEVICE AND	H04N 9/31
(51) G02F 1/13357	DRIVING METHODS THEREFOR	(11) EP3492979
(11) EP3876027	(73) E Ink California, LLC	(21) EP18208494.7
(21) EP21159004.7	(72) LIN, Craig	(47) 13.04.2022
(47) 13.04.2022	(31) 201562241633 P	(22) 27.11.2018
(22) 24.02.2021	201562169300 P	(54) WHEEL MEMBER
(54) DISPLAY DEVICE AND SURFACE	(32) 14.10.2015	(73) Casio Computer Co., Ltd.
LIGHT SOURCE	01.06.2015	(72) FUJII, Daijiro
(73) Funai Electric Co., Ltd.	(33) United States of America	(31) 2017231362
(72) KOBAYASHI, Tomohiro	United States of America	(32) 01.12.2017
(31) 2020034964	(51) G02F 1/35	(33) Japan
(32) 02.03.2020	H01S 3/109	(51) G03B 21/20
(33) Japan	(11) EP2947509	G03B 33/12
(51) G02F 1/13357	(21) EP15168631.8	(11) EP3528044
G02F 1/1333	(47) 13.04.2022	(21) EP19156686.8
G06F 3/0354	(22) 21.05.2015	(47) 13.04.2022
G06F 3/046	(54) CASCADED OPTICAL HARMONIC	(22) 12.02.2019
G06F 3/041	GENERATION	(54) PROJECTION DEVICE
(11) EP3462234	(73) Lumentum Operations LLC	(73) Coretronic Corporation
(21) EP17909202.8	(72) Muendel, Martin H	(72) CHEN, S-WEI
(47) 13.04.2022	Morehead, James J.	CHIU, PO-YU
(87) CN2017103433	(31) 201462002006 P	(31) 201810151181
15.11.2018	(32) 22.05.2014	(32) 14.02.2018
(22) 26.09.2017	(33) United States of America	(33) China
(54) DIRECT-TYPE BACKLIGHT DISPLAY	(51) G03B 17/00	(51) G03F 7/20
MODULE AND DISPLAY DEVICE	H04N 5/232	F01D 17/14
(73) Guangzhou Shirui Electronics Co., Ltd.	G06Q 30/06	F01D 17/16
Guangzhou Shiyuan Electronics Co., Ltd.	(11) EP3594744	F02B 37/18

G05D 7/00	(51) G03G 15/00	Japan
G05D 7/01	(11) EP2713215	(51) G03G 15/11
F16K 31/00	(21) EP13185844.1	G03G 21/00
H02N 2/04	(47) 13.04.2022	(11) EP3314334
F16K 1/42	(22) 24.09.2013	(21) EP15790095.2
F16K 37/00	(54) Image forming apparatus	(47) 13.04.2022
G05D 16/20	(73) Konica Minolta, Inc.	(87) EP2015075355
(11) EP3529665	(72) Okubo, Takahiro	04.05.2017
(21) EP17768142.6	Kawanago, Yusuke	(22) 30.10.2015
(47) 13.04.2022	Nonaka, Ken	(54) WIPER HOLDER
(87) EP2017073509	(31) 2012212347	(73) HP INDIGO B.V.
26.04.2018	(32) 26.09.2012	(72) PETACHIA HALELY, Shunit
(22) 18.09.2017	(33) Japan	LEVY, Natty
(54) A PRESSURE CONTROL VALVE, A FLUID HANDLING STRUCTURE FOR LITHOGRAPHIC APPARATUS AND A LITHOGRAPHIC APPARATUS	(51) G03G 15/08	(51) G03G 15/20
(73) ASML Netherlands B.V.	(11) EP3531211	G03G 15/01
(72) HEEREN, Adrianus Marinus Wouter LENSSEN, Bo	(21) EP19159084.3	G03G 15/06
RENCKENS, Theodorus Johannes Antonius	(47) 13.04.2022	G03G 15/00
EUMMELEN, Erik Henricus Egidius Catharina	(22) 25.02.2019	G03G 21/20
JANSSENS, Stef Marten Johan	(54) DEVELOPING MEMBER, ELECTROPHOTOGRAPHIC PROCESS CARTRIDGE, AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS	(11) EP3299903
GOSEN, Jeroen Gerard	(73) CANON KABUSHIKI KAISHA	(21) EP17192820.3
CUYPERS, Koen	(72) MORISHITA, Hiroshi	(47) 13.04.2022
CORTIE, Rogier Hendrikus Magdalena	NAKAMURA, Minoru	(22) 25.09.2017
SRIVASTAVA, Sudhir	SAKURAI, Yuji	(54) IMAGE FORMING APPARATUS
SHELLENS, Hendrikus Johannes	SUGIYAMA, Ryo	(73) Canon Kabushiki Kaisha
(31) 17167751	NAKAMURA, Kentarou	(72) UCHIDA, Michio
16194817	MATSUNAGA, Kenta	INADA, Seiji
(32) 24.04.2017	ISHIDA, Kazutoshi	NISHIMURA, Shizuma
20.10.2016	(31) 2018032436	OYA, Yoji
(33) European Patent Office (EPO)	(32) 26.02.2018	OBATA, Seiji
European Patent Office (EPO)	(33) Japan	(31) 2016217840
(51) G03F 7/42	(51) G03G 15/08	2016186487
C11D 7/26	G03G 21/16	(32) 08.11.2016
C11D 7/32	(11) EP2799933	26.09.2016
(11) EP3752887	(21) EP14166635.4	(33) Japan
(21) EP18810883.1	(47) 13.04.2022	Japan
(47) 13.04.2022	(22) 30.04.2014	(51) G03G 15/20
(87) EP2018079848	(54) Toner-container support unit and image-forming apparatus	G03G 21/20
22.08.2019	(73) Ricoh Company, Ltd.	(11) EP3474081
(22) 31.10.2018	(72) Fujimori, Akira	(21) EP18184140.4
(54) PHOTORESIST REMOVER COMPOSITIONS	Koshizuka, Shinnosuke	(47) 13.04.2022
(73) Merck Patent GmbH	Kosugi, Hideki	(22) 18.07.2018
(72) WU, Hengpeng	Kubo, Tatsuya	(54) CONTROLLING AMOUNT OF DISCHARGE OF ULTRA FINE PARTICLES DISCHARGED FROM IMAGE FORMING APPARATUS
(31) 201862630470 P	Kikuchi, Teppei	(73) CANON KABUSHIKI KAISHA
(32) 14.02.2018	Nodera, Kentaro	(72) SATO, Noriaki
(33) United States of America	(31) 2013095231	SANO, Tetsuya
(51) G03G 15/00	(32) 30.04.2013	YANO, Takashi
(11) EP2863265	(33) Japan	HAGIWARA, Hiroshi
(21) EP14187159.0	(51) G03G 15/08	(31) 2017154731
(47) 13.04.2022	G03G 21/18	(32) 09.08.2017
(22) 30.09.2014	(11) EP3637190	(33) Japan
(54) Image forming apparatus and method of controlling the same	(21) EP19199143.9	(51) G03G 21/18
(73) Hewlett-Packard Development Company, L.P.	(47) 13.04.2022	(11) EP3614213
(72) Lee, Jae Wuk	(22) 31.03.2017	(21) EP18824753.0
Jeong, Je Won	(54) DRUM CARTRIDGE AND DEVELOPING CARTRIDGE	(47) 13.04.2022
Lee, Jin Soo	(73) BROTHER KOGYO KABUSHIKI KAISHA	(87) CN2018093080
Kim, Sang Cheol	(72) ABE, Koji	03.01.2019
(31) 20130123980	SHIMIZU, Takashi	(22) 27.06.2018
(32) 17.10.2013	(31) 2016249651	(54) POWER RECEIVING UNIT, ROTATING COMPONENT, PROCESSING CARTRIDGE, MOUNTING METHOD AND DISMOUNTING METHOD
(33) Korea (Republic)	2016202959	(73) Ninestar Corporation
	(32) 22.12.2016	(72) ZENG, Likun
	14.10.2016	LIANG, Qijie
	(33) Japan	LUO, Lai

(31) 201810503202 201820545129 U 201820175356 U 201721157785 U 201720777257 U	(21) EP17175750.3 (47) 13.04.2022 (22) 13.06.2017 (54) METHOD FOR MANUFACTURING AN OSCILLATOR WITH FLEXIBLE PIVOT	(51) G05B 9/03 G05B 19/418 B65G 43/10 B65G 47/84
(32) 23.05.2018 17.04.2018 31.01.2018 11.09.2017 30.06.2017	(73) Patek Philippe SA Genève (72) BUCAILLE, Jean-Luc MAIER, Frédéric	(11) EP3384351 (21) EP16787368.6 (47) 13.04.2022 (87) EP2016075026 08.06.2017
(33) China China China China China	(51) G04B 17/06 F16F 1/02 (11) EP3769161 (21) EP19716572.3 (47) 13.04.2022 (87) IB2019052107 26.09.2019	(22) 19.10.2016 (54) METHOD FOR TRANSPORTING CONTAINERS (73) Kronos AG (72) FINGER, Dieter SCHNEIDER, Helmut LANGWIESER, Sebastian STRAUSS, Johannes
(51) G03G 21/18 (11) EP3262468 (21) EP16709828.4 (47) 13.04.2022 (87) JP2016000957 01.09.2016 (22) 23.02.2016 (54) CARTRIDGE, PROCESS CARTRIDGE, AND IMAGE FORMING APPARATUS	(22) 15.03.2019 (54) METHOD FOR MANUFACTURING THERMOCOMPENSATED HAIRSPRINGS WITH PRECISE STIFFNESS (73) Patek Philippe SA Genève (72) JEANNERET, Sylvain MAIER, Frédéric	(31) 102015223933 (32) 01.12.2015 (33) Germany
(73) Canon Kabushiki Kaisha (72) NAKAMURA, Yuuki UENO, Takahito TAKEUCHI, Toshiaki SUZUKI, Kensuke	(31) 18162723 (32) 20.03.2018 (33) European Patent Office (EPO)	(51) G05B 9/03 G06F 11/07 G06F 9/50 G06F 11/18 G06F 11/20 G05B 19/418 G06F 11/16
(31) 2015037953 (32) 27.02.2015 (33) Japan	(51) G04B 19/02 G04B 35/00 G04B 19/22 (11) EP3474082 (21) EP18195947.9 (47) 13.04.2022 (22) 21.09.2018 (54) TIMEPIECE MOVEMENT AND TIMEPIECE	(11) EP3088971 (21) EP16167232.4 (47) 13.04.2022 (22) 27.04.2016 (54) DISTRIBUTED COMPUTING IN A PROCESS CONTROL ENVIRONMENT
(51) G03G 21/18 (11) EP3791232 (21) EP19728211.4 (47) 13.04.2022 (87) US2019032221 21.11.2019 (22) 14.05.2019 (54) IMAGING CARTRIDGE WITH SHIFTABLE IMAGING COMPONENTS	(73) Seiko Epson Corporation (72) Koike, Nobuhiro (31) 2017184151 (32) 25.09.2017 (33) Japan	(73) Schneider Electric Systems USA, Inc. (72) Kling, Andrew Lee David Macha, Raja Ramana Linscott, Richard Linwood Camino, Nestor Jesus, Jr. Luth, James Gerard
(73) Clover Imaging Group, LLC (72) MORGAN, John (31) 201862671163 P (32) 14.05.2018 (33) United States of America	(51) G04B 31/012 G04B 31/02 (11) EP2730981 (21) EP14154387.6 (47) 13.04.2022 (22) 04.02.2011 (54) BEARING AND BALANCE STAFF FOR A TIMEPIECE	(31) 201514697866 (32) 28.04.2015 (33) United States of America
(51) G03G 21/18 G03G 15/00 F16D 3/04 (11) EP3462248 (21) EP18201534.7 (47) 13.04.2022 (22) 01.11.2007 (54) PROCESS CARTRIDGE AND IMAGE FORMING APPARATUS	(73) MPS Micro Precision Systems AG (72) Laager, Alain (31) 3072010 (32) 26.02.2010 (33) Switzerland	(51) G05B 13/04 G05B 17/02 (11) EP2728425 (21) EP13191606.6 (47) 13.04.2022 (22) 05.11.2013 (54) Online integration of model-based optimization and model-less control
(73) CANON KABUSHIKI KAISHA (72) CHADANI, Kazuo HASHIMOTO, Koji MORI, Tomonori	(31) 2017259661 2006332838 (32) 03.10.2007 11.12.2006 (33) Japan Japan	(73) Rockwell Automation Technologies, Inc. (72) Liano, Kadir Smith, Alexander B. Sayyarodsari, Bijan
(51) G04B 17/04 G04D 7/08 (11) EP3416001	(51) G04F 10/00 (11) EP3647884 (21) EP17916318.3 (47) 13.04.2022 (87) CN2017091048 03.01.2019 (22) 30.06.2017 (54) CIRCUIT, METHOD AND RELATED CHIP FOR TIME MEASUREMENT, SYSTEM, AND DEVICE (73) SZ DJI Technology Co., Ltd. (72) LIU, Xiang GAO, Mingming YANG, Kang	(31) 201213669135 (32) 05.11.2012 (33) United States of America (51) G05B 15/02 F24F 11/46 (11) EP3769165 (21) EP18803792.3 (47) 13.04.2022 (87) JP2018039113 26.09.2019 (22) 16.10.2018 (54) SYSTEM AND METHOD FOR CONTROLLING OPERATION OF AIR-CONDITIONING SYSTEM

(73) Mitsubishi Electric Corporation	(11) EP3139222	(51) G05B 23/02
(72) BENOSMAN, Mouhacine	(21) EP15183878.6	(11) EP3830660
BORGGAARD, Jeff	(47) 13.04.2022	(21) EP19769055.5
(31) 201815927809	(22) 04.09.2015	(47) 13.04.2022
(32) 21.03.2018	(54) ANALYTICAL TEST MANAGEMENT	(87) EP2019073176
(33) United States of America	SYSTEM AND METHOD	26.03.2020
(51) G05B 17/02	(73) F. Hoffmann-La Roche AG	(22) 30.08.2019
G05B 23/02	(72) Pfaffenrot, Elena	(54) METHOD AND ASSISTANCE SYSTEM
(11) EP3680734	Woeste, Andreas	FOR PARAMETERIZATION OF AN
(21) EP20151004.7	Doepfen, Werner	ANOMALY DETECTION METHOD
(47) 13.04.2022	Eckert, Bernhard	(73) Siemens Aktiengesellschaft
(22) 09.01.2020	Faatz, Elke	(72) PAULITSCH, Christoph
(54) METHOD FOR ASSESSING THE	Upmeier, Barbara	KEHRER, Johannes
CLOGGING LEVEL OF AN AIR FILTER	Antoni, Sascha	WEBER, Stefan Hagen
IN A HVAC UNIT	Burri, Martin	(31) 18195130
(73) ALSTOM Transport Technologies	Roessler, Dieter	(32) 18.09.2018
(72) STAINO, Andrea	(51) G05B 19/4093	(33) European Patent Office (EPO)
ABOU-EID, Rami	G05B 19/4097	(51) G05B 23/02
(31) 1900196	G05B 19/4099	G05B 15/02
(32) 09.01.2019	(11) EP3582044	(11) EP3488306
(33) France	(21) EP18177834.1	(21) EP17751803.2
(51) G05B 19/00	(47) 13.04.2022	(47) 13.04.2022
H04L 29/06	(22) 14.06.2018	(87) FR2017051980
(11) EP3210086	(54) MACHINING BASED ON STRATEGIES	25.01.2018
(21) EP15844243.4	SELECTED FROM A DATABASE	(22) 20.07.2017
(47) 13.04.2022	(73) Sandvik Machining Solutions AB	(54) METHOD FOR CONFIGURING,
(87) US2015052567	(72) KALHORI, Vahid	CONTROLLING OR MONITORING
31.03.2016	NORDELL, Hugo	HOME AUTOMATION EQUIPMENT
(22) 28.09.2015	(51) G05B 19/418	(73) Overkiz
(54) AUTO CONFIGURATION FOR AUTO-	G01N 11/08	(72) POGNANT, Sylvain
ENROLLED ACCESS CONTROLLER	G01N 11/00	(31) 1656993
SYSTEMS	(11) EP3803523	(32) 22.07.2016
(73) Sensormatic Electronics LLC	(21) EP19727414.5	(33) France
(72) ROY, Jean-Francois	(47) 13.04.2022	(51) G05D 1/00
LABRECQUE, Gabriel	(87) EP2019064292	(11) EP3717979
FRENETTE, Stephan	12.12.2019	(21) EP18825761.2
(31) 201414497445	(22) 03.06.2019	(47) 13.04.2022
(32) 26.09.2014	(54) METHOD AND SYSTEM FOR	(87) FR2018053067
(33) United States of America	CONTROLLING AND/OR REGULATING	06.06.2019
(51) G05B 19/042	A PRODUCTION PLANT FOR	(22) 30.11.2018
(11) EP3502813	PRODUCING THERMOPLASTIC	(54) SYSTEM FOR REMOTELY DRIVING A
(21) EP18199598.6	(73) Covestro Intellectual Property GmbH &	DRIVERLESS VEHICLE
(47) 13.04.2022	Co. KG	(73) Lambert, Marc
(22) 10.10.2018	(72) KÜPPER, Achim	(72) Lambert, Marc
(54) CONTROL SYSTEM AND CONTROL	BACHMANN, Rolf	(31) 1771282
DEVICE	DÜNGER, Udo	(32) 30.11.2017
(73) OMRON CORPORATION	KÖNIG, Thomas	(33) France
(72) IKEO, Yuji	VÖLKER, Marten	(51) G05D 1/00
MIYAKE, Kazunari	(31) 18176226	B64C 39/02
MAEKAWA, Norihiro	(32) 06.06.2018	G08B 21/00
FUJIMURA, Ryosuke	(33) European Patent Office (EPO)	(11) EP3676678
TAHARA, Yutaka	(51) G05B 23/02	(21) EP18782561.7
KARASUYAMA, Koji	(11) EP3479181	(47) 13.04.2022
(31) 2017247373	(21) EP17735458.6	(87) US2018048886
(32) 25.12.2017	(47) 13.04.2022	07.03.2019
(33) Japan	(87) EP2017066007	(22) 30.08.2018
(51) G05B 19/042	04.01.2018	(54) SYSTEM AND METHOD FOR
(11) EP3696625	(22) 28.06.2017	MONITORING A PROPERTY USING
(21) EP19157518.2	(54) METHOD AND ASSISTANCE SYSTEM	DRONE BEACONS
(47) 13.04.2022	FOR DETECTING A DEGRADATION OF	(73) Alarm.com Incorporated
(22) 15.02.2019	FLIGHT PERFORMANCE	(72) TRUNDLE, Steven
(54) ANALOG INSTALLATION MODULE	(73) Deutsches Zentrum für Luft- und	ROBERTS, Aaron Lee
(73) Siemens Aktiengesellschaft	Raumfahrt e.V.	(31) 201762552370 P
(72) Lehmann, Ulrich	(72) DEILER, Christoph	(32) 30.08.2017
Griesbaum, Wilhelm	FEZANS, Nicolas	(33) United States of America
(51) G05B 19/042	(31) 102016111902	(51) G05D 1/02
G01N 35/00	(32) 29.06.2016	(11) EP3489785
	(33) Germany	(21) EP17843228.2

(47) 13.04.2022	(51) G05D 1/10	(11) EP3811176
(87) JP2017025107	G05D 1/00	(21) EP19748949.5
01.03.2018	G01C 11/00	(47) 13.04.2022
(22) 10.07.2017	G08G 5/00	(87) IB2019055327
(54) RUNNING VEHICLE SYSTEM AND	B64C 39/02	02.01.2020
CONTROL METHOD FOR RUNNING	B64D 47/08	(22) 25.06.2019
VEHICLE SYSTEM	G03B 15/00	(54) PRESSURE REGULATING DEVICE
(73) Murata Machinery, Ltd.	G06K 9/00	(73) Mares S.p.A.
(72) HARASAKI, Kazumi	G06K 9/34	(72) ANGELINI, Sergio
(31) 2016161834	(11) EP3683647	(31) 201800006613
(32) 22.08.2016	(21) EP18920197.3	(32) 25.06.2018
(33) Japan	(47) 13.04.2022	(33) Italy
(51) G05D 1/02	(87) CN2018116657	(51) G05G 1/04
B66F 9/24	28.05.2020	G05G 5/05
B66F 9/075	(22) 21.11.2018	(11) EP3264217
(11) EP3504603	(54) METHOD AND APPARATUS FOR	(21) EP17174011.1
(21) EP17771915.0	PLANNING SAMPLE POINTS FOR	(47) 13.04.2022
(47) 13.04.2022	SURVEYING AND MAPPING	(22) 01.06.2017
(87) US2017048612	(73) Guangzhou Xaircraft Technology Co.,	(54) LEVER OPERATION DEVICE
01.03.2018	Ltd.	(73) Panasonic Intellectual Property
(22) 25.08.2017	(72) JIN, Xiaohui	Management Co., Ltd.
(54) MATERIALS HANDLING VEHICLE	LIU, Peng	(72) KATAOKA, Kenji
OBSTACLE SCANNING TOOLS	(51) G05D 1/10	KABURAGI, Daiki
(73) Crown Equipment Corporation	G05D 1/06	(31) 2016120450
(72) STEWART, Alan	(11) EP3326041	(32) 17.06.2016
MAI, Yuan	(21) EP17836359.4	(33) Japan
(31) 201662380038 P	(47) 13.04.2022	(51) G06F 1/14
(32) 26.08.2016	(87) CN2017095311	G06F 16/27
(33) United States of America	08.02.2018	(11) EP3788454
(51) G05D 1/02	(22) 31.07.2017	(21) EP19720318.5
G01S 1/00	(54) METHOD AND DEVICE FOR TERRAIN	(47) 13.04.2022
(11) EP3584662	SIMULATION FLYING OF UNMANNED	(87) US2019027571
(21) EP19171669.5	AERIAL VEHICLE AND UNMANNED	07.11.2019
(47) 13.04.2022	AERIAL VEHICLE	(22) 16.04.2019
(22) 29.04.2019	(73) Guangzhou Xaircraft Technology Co.,	(54) PERFORMING SCALABLE, CAUSALLY
(54) MOBILE ROBOT	Ltd.	CONSISTENT READS USING A
(73) Panasonic Intellectual Property	(72) CHEN, Yousheng	LOGICAL WALL CLOCK
Management Co., Ltd.	(31) 201610633363	(73) Microsoft Technology Licensing, LLC
(72) NGUYEN, Duyhinh	(32) 03.08.2016	(72) HUANG, Cheng
UEMATSU, Hiroyuki	(33) China	LORCH, Jacob R.
ANDO, Takeshi	(51) G05D 7/06	BUBAN, Garret
(31) 2019037608	G05D 9/12	WANG, Jieqing
2018116279	F16K 11/07	OGUS, Aaron W.
(32) 01.03.2019	G01F 15/00	IBARRA, Mauricio David Zaragoza
19.06.2018	F16K 1/30	(31) 201815968482
(33) Japan	F16K 35/06	(32) 01.05.2018
Japan	F16K 37/00	(33) United States of America
(51) G05D 1/02	(11) EP3408216	(51) G06F 1/16
G06K 9/46	(21) EP17743784.5	(11) EP3236508
G06K 9/62	(47) 13.04.2022	(21) EP15870157.3
G06K 9/00	(87) IB2017000033	(47) 13.04.2022
(11) EP3508937	03.08.2017	(87) KR2015008200
(21) EP18206656.3	(22) 26.01.2017	23.06.2016
(47) 13.04.2022	(54) APPARATUS FOR THE CONTROLLED	(22) 05.08.2015
(22) 16.11.2018	DELIVERY OF A GAS FROM A	(54) DISPLAY DEVICE
(54) MOBILE CLEANING ROBOT	CONTAINER, AND CORRESPONDING	(73) LG Electronics Inc.
ARTIFICIAL INTELLIGENCE FOR	DELIVERY METHOD	(72) KIM, Youngsung
SITUATIONAL AWARENESS	(73) Paygo Energy Inc.	CHUNG, Brian
(73) iRobot Corporation	(72) QUINTONG, Nicholas, Joel	KWON, Seokho
(72) BARON, Steven J.	MARCIGOT, Fausto	(31) 20140192694
JONES, Christopher V.	O'KEEFE, Mark	20140184972
ZICKLER, Stefan	TALSMA, Laura	(32) 29.12.2014
HALL, Gary Ellis	HAHN, Michael, Oliver	19.12.2014
SINNIGEN, John	(31) UB20160404	(33) Korea (Republic)
HILD, Brent	(32) 26.01.2016	Korea (Republic)
(31) 201815863591	(33) Italy	(51) G06F 1/16
(32) 05.01.2018	(51) G05D 16/10	F16M 11/10
(33) United States of America	A62B 9/02	F16M 13/00

H04M 1/04	(73) Oracle International Corporation	(33) Korea (Republic)
H04M 1/02	(72) GELFOND, Yefim	(51) G06F 1/3234
(11) EP3516476	MEERT, L., Carl	G06F 1/3206
(21) EP17772563.7	GILES, E., Thomas	(11) EP3345070
(47) 13.04.2022	ROGERS, Richard	(21) EP16751453.8
(87) US2017051437	STEWART, E., Thomas	(47) 13.04.2022
29.03.2018	BROVALD, Russell	(87) US2016045673
(22) 14.09.2017	(31) 201313781151	09.03.2017
(54) FRICTION HINGE	201313781085	(22) 05.08.2016
(73) Microsoft Technology Licensing, LLC	201313781020	(54) SYSTEMS AND METHODS FOR
(72) WENDT, Nicholas B.	201313780916	DYNAMICALLY ADJUSTING MEMORY
SCHAFER, Christopher A.	201313780818	STATE TRANSITION TIMERS
TOMKY, Brett Andrew	(32) 28.02.2013	(73) Qualcomm Incorporated
PARK, Daniel C.	28.02.2013	(72) LO, Haw-Jing
(31) 201615272916	28.02.2013	PARK, Hee Jun
(32) 22.09.2016	28.02.2013	ROH, Keunsoo
(33) United States of America	28.02.2013	(31) 201514846306
(51) G06F 1/16	(33) United States of America	(32) 04.09.2015
G06F 3/041	United States of America	(33) United States of America
H01L 27/32	United States of America	(51) G06F 3/01
H01L 51/56	United States of America	B60K 37/06
G02F 1/1333	United States of America	G06F 3/0354
(11) EP3588240	(51) G06F 1/16	(11) EP3159774
(21) EP19173722.0	H05K 7/14	(21) EP16194906.0
(47) 13.04.2022	G06F 1/18	(47) 13.04.2022
(22) 10.05.2019	(11) EP3669251	(22) 20.10.2016
(54) DISPLAY MODULE, DISPLAY PANEL,	(21) EP18760172.9	(54) DEVICE WITH CAPACITIVE
AND METHOD FOR MANUFACTURING	(47) 13.04.2022	INTERFACE FOR MOTOR VEHICLE
THE DISPLAY PANEL	(87) US2018046216	(73) DAV
(73) Samsung Display Co., Ltd.	21.02.2019	(72) WANIR, Said
(72) Kim, Hoon	(22) 10.08.2018	AUBRY, Anthony
Kim, Jun-woo	(54) CONFIGURABLE MODULE GUIDES	EL-OUARDI, Nour-Eddine
Ko, Gyung-hyun	FOR MODULAR ELECTRONIC	(31) 1560015
Nam, Keehyun	SYSTEM	(32) 20.10.2015
An, Hyesuk	(73) Cisco Technology, Inc.	(33) France
(31) 20180072386	(72) BRAUER, Viktor	(51) G06F 3/01
(32) 22.06.2018	PAVITHRAN, Prashanth	G06F 3/0354
(33) Korea (Republic)	GUPTA, Rohit, Dev	B60K 35/00
(51) G06F 1/16	NAYAK, Shailesh, R.	B60K 37/06
H01Q 1/22	(31) 201816022470	G06F 3/041
(11) EP3683654	201715679763	G06F 3/0482
(21) EP20159870.3	(32) 28.06.2018	G06F 3/0488
(47) 13.04.2022	17.08.2017	G06F 3/0484
(22) 26.04.2018	(33) United States of America	(11) EP3171249
(54) ELECTRONIC DEVICE INCLUDING	United States of America	(21) EP17150297.4
FLEXIBLE DISPLAY	(51) G06F 1/3231	(47) 13.04.2022
(73) Samsung Electronics Co., Ltd.	G06F 1/3234	(22) 09.12.2010
(72) Kim, Jung-Jin	G06F 3/16	(54) MORPHABLE PAD FOR TACTILE
Baek, Moo-Hyun	H02J 7/00	CONTROL
Park, Young-Sun	G09G 3/20	(73) Honda Motor Co., Ltd.
Kim, Gi-Dae	G06F 1/26	(72) MILLER, Ross
Yoo, Chung-Keun	H04B 5/00	FEIT, Steven
Kim, Jong-Yoon	H02J 50/80	CHOI, Dave
Sim, Hyun-Woo	H02J 50/10	SCHEUFLER, Nick
(31) 20170056440	G06F 3/0482	(31) 288203 P
(32) 02.05.2017	(11) EP3338272	(32) 18.12.2009
(33) Korea (Republic)	(21) EP16884029.6	(33) United States of America
(51) G06F 1/16	(47) 13.04.2022	(51) G06F 3/01
H05K 7/14	(87) KR2016015120	G06F 3/0484
(11) EP2962167	13.07.2017	(11) EP3341815
(21) EP14757615.1	(22) 23.12.2016	(21) EP16738324.9
(47) 13.04.2022	(54) DISPLAY APPARATUS AND CONTROL	(47) 13.04.2022
(87) US2014019113	METHOD THEREOF	(87) US2016039806
04.09.2014	(73) Samsung Electronics Co., Ltd.	02.03.2017
(22) 27.02.2014	(72) PARK, Young-chan	(22) 28.06.2016
(54) OUT OF BAND MANAGEMENT	CHOI, Young-ho	(54) DYNAMIC SWITCHING AND MERGING
OF RACK-MOUNTED FIELD	(31) 20160001164	OF HEAD, GESTURE AND TOUCH
REPLACEABLE UNITS	(32) 05.01.2016	INPUT IN VIRTUAL REALITY

(73) Google LLC	(54) ELECTRONIC DEVICE AND OPERATING METHOD THEREFOR	(31) 201615062797
(72) FAABORG, Alexander James CLEMENT, Manuel Christian MCKENZIE, Chris	(73) Coredar Co., Ltd.	201662296596 P
(31) 201514836311	(72) KIM, Hyun Woo	(32) 07.03.2016
(32) 26.08.2015	PARK, Jung Chul	17.02.2016
(33) United States of America	YANG, Sung Kwang	(33) United States of America United States of America
(51) G06F 3/033	CHO, Min Su	(51) G06F 3/0481
G06F 3/0354	SONG, Se Jun	G06F 3/16
(11) EP2864857	LEE, Tak Geon	(11) EP3399398
(21) EP13730278.2	(31) 20160062180	(21) EP17168958.1
(47) 13.04.2022	(32) 20.05.2016	(47) 13.04.2022
(87) EP2013063066	(33) Korea (Republic)	(22) 02.05.2017
27.12.2013	(51) G06F 3/046	(54) AN APPARATUS AND ASSOCIATED METHODS FOR PRESENTATION OF SPATIAL AUDIO
(22) 21.06.2013	G06F 3/0354	(73) Nokia Technologies Oy
(54) DATA INPUT STYLUS	G06F 3/041	(72) ERONEN, Antti
(73) Banks and Acquirers International Holding	(11) EP3196742	LEHTINIEMI, Arto
(72) ACHARI, Karim	(21) EP17151780.8	LEPPÄNEN, Jussi
HUTEAUX, Fabien	(47) 13.04.2022	MATE, Sujeet Shyamsundar
(31) 1255952	(22) 17.01.2017	(51) G06F 3/0488
(32) 22.06.2012	(54) ELECTRONIC PEN SENSING DEVICE AND DISPLAY DEVICE	(11) EP3405857
(33) France	(73) Samsung Display Co., Ltd.	(21) EP17704348.6
(51) G06F 3/0354	(72) Jo, A-Ra	(47) 13.04.2022
G06F 3/038	Jung, Chang-Sub	(87) US2017013571
G06F 3/044	Choi, Jae-Woo	27.07.2017
(11) EP3783463	Lim, Sang-Hyun	(22) 13.01.2017
(21) EP19920641.8	(31) 20160006349	(54) ARC KEYBOARD LAYOUT
(47) 13.04.2022	(32) 19.01.2016	(73) Microsoft Technology Licensing, LLC
(87) CN2019094360	(33) Korea (Republic)	(72) PAEK, Timothy S.
07.01.2021	(51) G06F 3/048	OLIGSCHLAEGGER, Zach
(22) 02.07.2019	G06F 3/14	GUNAWARDANA, Asela J.
(54) SIGNAL PROCESSING SYSTEM, CHIP, AND ACTIVE PEN	G06F 3/041	RUDCHENKO, Dmitry
(73) Shenzhen Goodix Technology Co., Ltd.	(11) EP3657311	(31) 201615215028
(72) JIANG, Feipeng	(21) EP19209744.2	201662280105 P
ZHANG, Guanjun	(47) 13.04.2022	(32) 20.07.2016
LI, Shibo	(22) 20.06.2013	18.01.2016
(51) G06F 3/041	(54) APPARATUS INCLUDING A TOUCH SCREEN AND SCREEN CHANGE METHOD THEREOF	(33) United States of America United States of America
G06F 3/044	(73) Samsung Electronics Co., Ltd.	(51) G06F 3/0488
H01L 27/32	(72) Seo, Joon-Kyu	(11) EP3416038
H01L 51/52	Kang, Kyung-A	(21) EP18187824.0
(11) EP3441858	Kim, Hyun-Jin	(47) 13.04.2022
(21) EP18180192.9	Kwak, Ji-Yeon	(22) 27.08.2013
(47) 13.04.2022	(31) 20120066401	(54) METHOD AND APPARATUS FOR PROVIDING USER INTERFACE
(22) 27.06.2018	(32) 20.06.2012	(73) Samsung Electronics Co., Ltd.
(54) INPUT SENSING UNIT AND DISPLAY DEVICE HAVING THE SAME	(33) Korea (Republic)	(72) CHO, Seung-Hwan
(73) Samsung Display Co., Ltd.	(51) G06F 3/048	LEE, Yu-Jin
(72) LEE, Eon Joo	G06F 40/169	JEON, Han-Kyung
KIM, Jeong Won	G06Q 10/10	KU, Han-Jun
KIM, Hyoeng Ki	G09B 5/06	(31) 20120093979
JU, Jin Ho	G09B 5/08	(32) 27.08.2012
WOO, Jun Hyuk	G10L 15/22	(33) Korea (Republic)
LEE, Hyeon Bum	G09B 5/00	(51) G06F 3/04886
LEE, Dong Ki	G06Q 10/00	G06F 3/0482
(31) 20170100369	G10L 15/26	G06F 1/16
(32) 08.08.2017	(11) EP3417404	G06F 3/04845
(33) Korea (Republic)	(21) EP17706367.4	G06F 3/0486
(51) G06F 3/042	(47) 13.04.2022	G06F 3/04817
G06F 3/01	(87) US2017017084	G06F 3/04883
(11) EP3460636	24.08.2017	(11) EP3160050
(21) EP17799593.3	(22) 09.02.2017	(21) EP14875883.2
(47) 13.04.2022	(54) CONTEXTUAL NOTE TAKING	(47) 13.04.2022
(87) KR2017004844	(73) Microsoft Technology Licensing, LLC	(87) KR2014006221
23.11.2017	(72) RAJAMANI, Roopesh	23.12.2015
(22) 10.05.2017	VAIDYANATHAN, Priya	(22) 10.07.2014
	YU, Jamie	(54) MOBILE TERMINAL
	KRISHNA, Om	

(73) LG Electronics Inc.	G06F 7/38	(32) 05.04.2017
(72) YOO, Kyunghye	(11) EP3451316	19.09.2016
SEEN, Seungmin	(21) EP18191877.2	(33) United States of America
KIM, Jongpil	(47) 13.04.2022	United States of America
YOO, Anna	(22) 31.08.2018	(51) G06F 9/30
(31) 20140073813	(54) MODULAR REDUCTION DEVICE	G06F 11/34
(32) 17.06.2014	(73) Commissariat à l'énergie atomique et aux	(11) EP3759592
(33) Korea (Republic)	énergies alternatives	(21) EP19707083.2
(51) G06F 3/06	(72) HISCOCK, Thomas	(47) 13.04.2022
(11) EP3384375	(31) 1758179	(87) GB2019050408
(21) EP16798030.9	(32) 05.09.2017	06.09.2019
(47) 13.04.2022	(33) France	(22) 15.02.2019
(87) US2016059715	(51) G06F 8/41	(54) DATA PROCESSING
08.06.2017	G06F 8/52	(73) ARM Limited
(22) 31.10.2016	G06F 9/455	(72) WILLIAMS, Michael John
(54) WRITING DATA IN A STORAGE	(11) EP3356932	STEPHENS, Nigel John
SYSTEM THAT INCLUDES A FIRST	(21) EP16775929.9	(31) 201803250
TYPE OF STORAGE DEVICE AND A	(47) 13.04.2022	(32) 28.02.2018
SECOND TYPE OF STORAGE DEVICE	(87) US2016052413	(33) United Kingdom
(73) Pure Storage, Inc.	06.04.2017	(51) G06F 9/38
(72) VACHHARAJANI, Neil	(22) 19.09.2016	G06F 21/53
COLGROVE, John	(54) SYSTEM AND METHOD FOR USING	G06F 21/78
KIRKPATRICK, Peter	UBERSHADER VARIANTS WITHOUT	(11) EP3718003
(31) 201514956841	PREPROCESSING MACROS	(21) EP18795774.1
(32) 02.12.2015	(73) Apple Inc.	(47) 13.04.2022
(33) United States of America	(72) ANDERSON, Owen	(87) GB2018053033
(51) G06F 3/06	MUNSHI, Aaftab A.	06.06.2019
H04L 29/08	WANG, Monping	(22) 19.10.2018
(11) EP3493046	BRISSART, Charles	(54) ENCODING OF INPUT TO BRANCH
(21) EP17894187.8	RAMASESHAN, Ravi	PREDICTION CIRCUITRY
(47) 13.04.2022	(31) 201615244668	(73) ARM Limited
(87) CN2017072701	201562235502 P	(72) ISHII, Yasuo
02.08.2018	(32) 23.08.2016	GROCUTT, Thomas Christopher
(22) 25.01.2017	30.09.2015	(31) 201715825524
(54) DATA PROCESSING SYSTEM,	(33) United States of America	(32) 29.11.2017
METHOD, AND CORRESPONDING	United States of America	(33) United States of America
DEVICE	(51) G06F 8/65	(51) G06F 9/44
(73) Huawei Technologies Co., Ltd.	G06F 9/455	G06F 3/0482
(72) HU, Yu	G06F 21/57	(11) EP3026550
TAN, Chunyi	G06F 21/64	(21) EP15195011.0
GUO, Haitao	G06F 11/14	(47) 13.04.2022
CHEN, Hao	(11) EP3101535	(22) 17.11.2015
LIU, Hongguang	(21) EP15170139.8	(54) APPARATUS AND METHOD FOR
LI, Sicong	(47) 13.04.2022	SCREEN DISPLAY CONTROL IN
CHEN, Can	(22) 01.06.2015	ELECTRONIC DEVICE
CHENG, Hongcai	(54) METHOD FOR UPDATING A CONTROL	(73) Samsung Electronics Co., Ltd.
(51) G06F 3/06	UNIT FOR AN AUTOMOTIVE VEHICLE,	(72) KIM, Bokeun
H04L 29/08	CONTROL UNIT FOR AN AUTOMOTIVE	JUNG, Yongchae
(11) EP3479256	VEHICLE, AND COMPUTER PROGRAM	LEE, Sukjae
(21) EP17820749.4	PRODUCT	(31) 20140161107
(47) 13.04.2022	(73) OpenSynergy GmbH	(32) 18.11.2014
(87) US2017033108	(72) GOLTZ, Christian	(33) Korea (Republic)
04.01.2018	SMIDT, Wolfgang	(51) G06F 9/455
(22) 17.05.2017	(51) G06F 8/71	H04L 12/931
(54) FABRIC ENCAPSULATED RESILIENT	(11) EP3296862	H04L 12/24
STORAGE	(21) EP17191785.9	G06F 9/50
(73) INTEL Corporation	(47) 13.04.2022	H04L 12/46
(72) RIVAS BARRAGAN, Daniel	(22) 19.09.2017	H04L 12/753
LARSEN, Steen	(54) VERSION CONTROL MACHINE	H04L 12/751
GUIM BERNAT, Francesc	(73) Palantir Technologies Inc.	H04L 12/707
DOSHI, Kshitij A.	(72) Song, Jimin	H04L 12/803
SCHMISSEUR, Mark A.	Fink, Robert	(11) EP3381154
(31) 201615199572	Elliot, Mark	(21) EP16810156.6
(32) 30.06.2016	Duffield, Benjamin	(47) 13.04.2022
(33) United States of America	Newman, Jared	(87) US2016062882
(51) G06F 7/72	Wang, Grace	01.06.2017
G09C 1/00	(31) 201715479395	(22) 18.11.2016
H04L 9/30	201662396689 P	

(54) SYSTEM AND METHOD FOR EFFICIENT VIRTUAL MACHINES MIGRATION	(11) EP3356938 (21) EP16781265.0 (47) 13.04.2022	(54) SYSTEM AND METHOD FOR SUPPORTING ASYNCHRONOUS INVOCATION IN A DISTRIBUTED DATA GRID
(73) Oracle International Corporation	(87) US2016054774	(73) Oracle International Corporation
(72) GRAN, Ernst Gunnar TASOULAS, Evangelos ZAHID, Feroz JOHNSEN, Bjørn Dag	(06.04.2017 (22) 30.09.2016 (54) MANAGEMENT OF PERIODIC REQUESTS FOR COMPUTE CAPACITY	(72) FALCO, Mark, A. LEE, Robert, H. GLEYZER, Gene
(31) 201615210599 201615210595 201562261103 P 201562259831 P 201562259321 P	(73) Amazon Technologies, Inc. (72) WAGNER, Timothy Allen BROOKER, Marc John WISNIEWSKI, Scott Daniel	(31) 201414322562 201414322540 201361921320 P
(32) 14.07.2016 14.07.2016 30.11.2015 25.11.2015 24.11.2015	(31) 201514871368 (32) 30.09.2015 (33) United States of America	(32) 02.07.2014 02.07.2014 27.12.2013
(33) United States of America United States of America United States of America United States of America United States of America	(51) G06F 9/50 (11) EP3486774 (21) EP18191920.0 (47) 13.04.2022 (22) 31.08.2018 (54) METHOD AND DEVICE FOR DYNAMICALLY ASSIGNING TASK AND PROVIDING RESOURCES AND SYSTEM THEREOF	(33) United States of America United States of America United States of America
(51) G06F 9/46 (11) EP2847675 (21) EP13728557.3 (47) 13.04.2022 (87) US2013040804 14.11.2013 (22) 13.05.2013	(73) Altos Computing Inc. (72) LU, Lee-Yu CHOU, J zu-Ting (31) 106140085 (32) 20.11.2017 (33) Taiwan, Province of China	(51) G06F 9/54 (11) EP3748500 (21) EP20182481.0 (47) 13.04.2022 (22) 14.12.2013 (54) INVERSION-OF-CONTROL COMPONENT SERVICE MODELS FOR VIRTUAL ENVIRONMENTS
(54) SYSTEM AND METHOD FOR COMMITTING TRANSACTIONS ON REMOTE SERVERS	(51) G06F 9/50 H04L 12/24 (11) EP3281111 (21) EP15724555.6 (47) 13.04.2022 (87) EP2015060347 17.11.2016 (22) 11.05.2015	(73) Microsoft Technology Licensing, LLC (72) YARIV, Eran SCHLESINGER, Benny HEBERT, John Daniell AGUERA Y ARCAS, Blaise FITOUSSI, Hen
(73) Google LLC (72) TAYLOR, Chris, Jorgen FIKES, Andrew LLOYD, Alexander KANTHAK, Sebastian	(54) METHOD AND ENTITIES FOR SERVICE AVAILABILITY MANAGEMENT	(31) 201213714607 (32) 14.12.2012 (33) United States of America
(31) 201313892169 201261646135 P (32) 10.05.2013 11.05.2012 (33) United States of America United States of America	(73) Huawei Technologies Co. Ltd. (72) NI, Shaoji GONG, Xuewen	(51) G06F 9/54 H04L 12/741 (11) EP3534579 (21) EP17875885.0 (47) 13.04.2022 (87) CN2017113556 07.06.2018 (22) 29.11.2017 (54) PACKET TRANSMISSION METHOD, DEVICE AND COMPUTER-READABLE MEDIUM
(51) G06F 9/46 H04L 29/08 G05B 15/00 H04L 12/28 B25J 9/16 G06F 9/54	(51) G06F 9/50 H04L 29/08 (11) EP3136236 (21) EP16178193.5 (47) 13.04.2022 (22) 06.07.2016	(73) New H3C Technologies Co., Ltd. (72) LIU, Jiajia XIN, Xubing (31) 201611086150 (32) 30.11.2016 (33) China
(11) EP3756091 (21) EP19710051.4 (47) 13.04.2022 (87) FR2019050328 29.08.2019 (22) 14.02.2019	(54) MULTI-CLOUD NETWORK PROXY FOR CONTROL AND NORMALIZATION OF TAGGING DATA	(51) G06F 11/00 G06F 21/57 G06F 21/62 G06F 21/78
(54) ROBOT INTERCONNECTION METHOD	(73) Accenture Global Services Limited (72) Foksett, Roger Wood, Catherine Ruth Gulsvig	(11) EP3516577 (21) EP17853653.8 (47) 13.04.2022 (87) US2017049583 29.03.2018 (22) 31.08.2017
(73) Université De Reims Champagne- Ardenne (72) AFILAL, Lissan AYAIDA, Marwane VALENTIN, Frédéric MARCHERAS, Dimitri MESSAI, Nadhir	(31) 201514835217 (32) 25.08.2015 (33) United States of America	(54) PROCESSORS, METHODS, SYSTEMS, AND INSTRUCTIONS TO DETERMINE WHETHER TO LOAD ENCRYPTED COPIES OF PROTECTED CONTAINER PAGES INTO PROTECTED CONTAINER MEMORY
(31) 1851429 (32) 20.02.2018 (33) France	(51) G06F 9/52 G06F 9/50 (11) EP3087483 (21) EP14825490.7 (47) 13.04.2022 (87) US2014068659 02.07.2015 (22) 04.12.2014	
(51) G06F 9/50		

(73) Intel Corporation	(51) G06F 11/20	(33) United States of America
(72) ROZAS, Carlos V. CHAKRABARTI, Somnath VIJ, Mona	H04L 29/14	(51) G06F 12/00
(31) 201615274217	(11) EP3472675	G11C 16/34
(32) 23.09.2016	(21) EP16905046.5	(11) EP2732373
(33) United States of America	(47) 13.04.2022	(21) EP12823604.9
(51) G06F 11/07	(87) CN2016086021	(47) 13.04.2022
G06F 11/30	21.12.2017	(87) CN2012080038
G06F 11/34	(22) 16.06.2016	21.02.2013
G06F 11/25	(54) HARDWARE ASSIST MECHANISMS	(22) 13.08.2012
(11) EP3751419	FOR ALIVE DETECTION OF	(54) METHOD AND APPARATUS FOR
(21) EP20178847.8	REDUNDANT DEVICES	FLEXIBLE RAID IN SSD
(47) 13.04.2022	(73) Honeywell International Inc.	(73) Huawei Technologies Co., Ltd.
(22) 08.06.2020	(72) BANDEKAR, Raj	(72) HUANG, Yiren
(54) DIGITAL INPUT EDGE DETECTION	SWANSON, Norman R.	(31) 201213460686
WITH SMART FILTERING ALGORITHM	CARNEY, Michael D.	201161523251 P
(73) Honeywell International Inc.	YANG, Zhi	(32) 30.04.2012
(72) FOOSE, Alan R.	FELIX, Joseph P.	12.08.2011
NGUYEN, Quang	(51) G06F 11/36	(33) United States of America
VAN WENSEN, Aad	(11) EP3665578	United States of America
(31) 202016888753	(21) EP18785873.3	(51) G06F 12/02
201962859142 P	(47) 13.04.2022	G06F 11/07
(32) 31.05.2020	(87) EP2018076492	G06F 11/10
09.06.2019	04.04.2019	G06F 11/16
(33) United States of America	(22) 28.09.2018	G06F 11/20
United States of America	(54) METHOD, DEVICE AND TEST	(11) EP3800554
(51) G06F 11/14	PROGRAM FOR RECOGNIZING	(21) EP20177167.2
H04L 1/00	A WEAK POINT IN AN ORIGINAL	(47) 13.04.2022
H03M 13/11	PROGRAM	(22) 28.05.2020
(11) EP3535849	(73) Siemens Aktiengesellschaft	(54) STORAGE SYSTEM MANAGING
(21) EP17778447.7	(72) STIJOHANN, Jan	METADATA, HOST SYSTEM
(47) 13.04.2022	(31) 17193932	CONTROLLING STORAGE SYSTEM,
(87) US2017053128	(32) 29.09.2017	AND STORAGE SYSTEM OPERATING
11.05.2018	(33) European Patent Office (EPO)	METHOD
(22) 23.09.2017	(51) G06F 11/36	(73) Samsung Electronics Co., Ltd.
(54) PIPELINED HIGH-THROUGHPUT	G06F 11/34	(72) KIM, Dongjin
LAYERED LDPC DECODER	(11) EP3539000	BALAKRISHNAN, Suman Prakash
ARCHITECTURE	(21) EP17801198.7	RHO, Eunhee
(73) Qualcomm Incorporated	(47) 13.04.2022	KIM, Chansol
(72) LONCKE, Vincent	(87) US2017060075	CHOI, Jaeyoon
VARATKAR, Girish	17.05.2018	JUN, Walter
RICHARDSON, Thomas Joseph	(22) 06.11.2017	JANG, Hyejeong
CAO, Yi	(54) CACHE-BASED TRACING FOR TIME	KIM, Seokhwan
(31) 201715712845	TRAVEL DEBUGGING AND ANALYSIS	(31) 20190122654
201662416584 P	(73) Microsoft Technology Licensing, LLC	(32) 02.10.2019
(32) 22.09.2017	(72) MOLA, Jordi	(33) Korea (Republic)
02.11.2016	(31) 201615349555	(51) G06F 12/0895
(33) United States of America	(32) 11.11.2016	G06F 12/0817
United States of America	(33) United States of America	G06F 12/0813
(51) G06F 11/20	(51) G06F 12/00	(11) EP3736701
G06F 11/07	G06F 9/06	(21) EP18900608.3
H04L 9/00	G06F 12/0862	(47) 13.04.2022
G05B 19/042	G06F 9/30	(87) CN2018099025
(11) EP3532931	G06F 12/06	25.07.2019
(21) EP16920014.4	G06F 13/28	(22) 06.08.2018
(47) 13.04.2022	G06F 12/0897	(54) DIRECTORY PROCESSING METHOD
(87) US2016059636	G11C 7/10	AND DEVICE, AND STORAGE SYSTEM
03.05.2018	G06T 1/60	(73) HUAWEI TECHNOLOGIES CO., LTD.
(22) 31.10.2016	G06F 15/78	(72) HE, Chenghong
(54) MULTI-CORE DEVICE WITH	(11) EP3617891	CHENG, Yongbo
SEPARATE REDUNDANCY SCHEMES	(21) EP19197613.3	HE, Tao
IN A PROCESS CONTROL SYSTEM	(47) 13.04.2022	(31) 201810053677
(73) Schneider Electric Systems USA, Inc.	(22) 20.06.2014	(32) 19.01.2018
(72) RADEV, Miroslav, Radomirov	(54) MEMORY CONTROLLED DATA	(33) China
LAVALLEE, John, Joseph	MOVEMENT AND TIMING	(51) G06F 12/14
GALE, Alan, Andrew	(73) Micron Technology, Inc.	G06F 21/34
TEGNELL, Johan, Ingemar	(72) MURPHY, Richard C.	G06F 21/71
	(31) 201313935303	G06Q 20/32
	(32) 03.07.2013	H04L 9/08

G06F 21/60	ENDERSEN, Vegard	(73) Siemens Aktiengesellschaft
G06F 21/62	SKOGLUND, Per-Carsten	(72) WEBER, Stefan Hagen
G06F 21/72	(31) 201507201	MITTELSTÄDT, Sebastian
(11) EP3443462	(32) 28.04.2015	MLYNEK, Jonas
(21) EP17783303.5	(33) United Kingdom	(31) 201615336868
(47) 13.04.2022	(51) G06F 15/80	16195038
(87) US2017027749	(11) EP3627338	(32) 28.10.2016
19.10.2017	(21) EP19198114.1	21.10.2016
(22) 14.04.2017	(47) 13.04.2022	(33) United States of America
(54) SYSTEM AND METHOD FOR	(22) 18.09.2019	European Patent Office (EPO)
GENERATION, STORAGE,	(54) EFFICIENT UTILIZATION OF SYSTOLIC	(51) G06F 16/683
ADMINISTRATION AND USE OF ONE	ARRAYS IN COMPUTATIONAL	(11) EP3142031
OR MORE DIGITAL SECRETS IN	PROCESSING	(21) EP16767652.7
ASSOCIATION WITH A PORTABLE	(73) Ceva D.S.P. Ltd.	(47) 13.04.2022
ELECTRONIC DEVICE	(72) SADEH, Roni M	(87) CN2016074911
(73) Sequent Software Inc.	JACOB (YAAKOV), Jeffrey Allan (Alon)	29.09.2016
(72) REISGIES, Hans	(31) 201916241085	(22) 29.02.2016
(31) 201662322288 P	201862733812 P	(54) PRESET STYLE SONG PROCESSING
(32) 14.04.2016	(32) 07.01.2019	METHOD AND APPARATUS
(33) United States of America	20.09.2018	(73) GUANGDONG OPPO MOBILE
(51) G06F 13/16	(33) United States of America	TELECOMMUNICATIONS CORP., LTD.
G06F 12/08	United States of America	(72) CHENG, Sheng
G11C 5/04	(51) G06F 16/21	(31) 201510124957
G11C 7/10	G06F 16/27	(32) 20.03.2015
(11) EP3238079	(11) EP3495961	(33) China
(21) EP15874051.4	(21) EP19152642.5	(51) G06F 16/90
(47) 13.04.2022	(47) 13.04.2022	H04L 29/14
(87) US2015062821	(22) 27.11.2012	G06F 11/07
30.06.2016	(54) SYSTEM AND METHODS FOR	G06F 11/16
(22) 27.11.2015	MIGRATING DATABASE DATA BY	H04L 29/06
(54) PACKED WRITE COMPLETIONS	USING AN IMAGE COPY	(11) EP3543870
(73) Intel Corporation	(73) BMC Software, Inc.	(21) EP19157162.9
(72) NALE, Bill	(72) POTHOFF, William J.	(47) 13.04.2022
SWANSON, Jeffrey C.	CLINE, Richard	(22) 14.02.2019
BLANKENSHIP, Robert G.	PRICE, Thomas G.	(54) EXACTLY-ONCE TRANSACTION
MORRIS, Brian S.	(31) 201113341676	SEMANTICS FOR FAULT TOLERANT
HENDRICKSON, Eric L.	(32) 30.12.2011	FPGA BASED TRANSACTION
WILLEY, Jeff	(33) United States of America	SYSTEMS
(31) 201414583147	(51) G06F 16/248	(73) Tata Consultancy Services Limited
(32) 25.12.2014	(11) EP3295296	(72) PURANIK, Sunil
(33) United States of America	(21) EP16804043.4	RODI, Swapnil
(51) G06F 13/38	(47) 13.04.2022	BARVE, Manesh
(11) EP3555753	(87) US2016034186	NAMBIAR, Manoj Karunakaran
(21) EP17817830.7	08.12.2016	(31) 201821010571
(47) 13.04.2022	(22) 25.05.2016	(32) 22.03.2018
(87) GB2017053725	(54) METHODS AND SYSTEMS FOR	(33) India
28.06.2018	SELECTIVELY RETRIEVING DATA	(51) G06F 16/901
(22) 13.12.2017	TO PROVIDE A LIMITED DATASET	(11) EP3610387
(54) TRANSACTION HANDLING	FOR INCORPORATION INTO A PIVOT	(21) EP17745124.2
(73) ARM Limited	TABLE	(47) 13.04.2022
(72) TUNE, Andrew David	(73) Google LLC	(87) EP2017063054
SARA, Daniel	(72) TABB, Lloyd	18.10.2018
GENG, Guanghui	MARCOTTE, Daniel	(22) 30.05.2017
(31) 201621638	(31) 201514726403	(54) DISTRIBUTED DATA STRUCTURES
(32) 19.12.2016	(32) 29.05.2015	FOR SLIDING WINDOW
(33) United Kingdom	(33) United States of America	AGGREGATION OR SIMILAR
(51) G06F 13/42	(51) G06F 16/26	APPLICATIONS
H03K 19/00	G06Q 50/04	(73) Universitat Politècnica De Catalunya
(11) EP3289471	G06Q 10/06	Barcelona Supercomputing Center-
(21) EP16720503.8	G01B 21/04	Centro Nacional de Supercomputación
(47) 13.04.2022	G06T 11/20	(72) VILLALBA NAVARRO, Álvaro
(87) GB2016051196	(11) EP3504643	CARRERA PEREZ, David
03.11.2016	(21) EP17791634.3	(31) 17382202
(22) 28.04.2016	(47) 13.04.2022	(32) 12.04.2017
(54) COMMUNICATION BETWEEN	(87) EP2017076457	(33) European Patent Office (EPO)
INTEGRATED CIRCUITS	26.04.2018	(51) G06F 16/958
(73) Nordic Semiconductor ASA	(22) 17.10.2017	G06F 16/951
(72) WIKEN, Steffen	(54) METHOD FOR PLACING PIXELS	(11) EP3602330

(21) EP18715456.2	KRETZER-KATZIR, Ophir	(47) 13.04.2022
(47) 13.04.2022	(31) 201762567314 P	(87) US2017036125
(87) US2018023204	(32) 03.10.2017	14.12.2017
04.10.2018	(33) United States of America	(22) 06.06.2017
(22) 20.03.2018	(51) G06F 21/50	(54) AVOIDANCE OF MALICIOUS CONTENT
(54) AUTOMATICALLY GENERATING	G06Q 50/06	IN NESTED FILES
DOCUMENTS	G01R 22/06	(73) Cylance Inc.
(73) Microsoft Technology Licensing, LLC	G06K 9/00	(72) PETERSEN, Eric
(72) KRISHNA, Om	(11) EP3610402	SOEDER, Derek, A.
(31) 201715470193	(21) EP18715872.0	(31) 201715613878
(32) 27.03.2017	(47) 13.04.2022	201662347550 P
(33) United States of America	(87) US2018022718	(32) 05.06.2017
(51) G06F 21/12	18.10.2018	08.06.2016
G06F 21/57	(22) 15.03.2018	(33) United States of America
G06F 21/62	(54) NOVEL NON-PARAMETRIC	United States of America
G06F 9/445	STATISTICAL BEHAVIORAL	(51) G06F 21/57
H04N 7/14	IDENTIFICATION ECOSYSTEM FOR	G06F 21/74
(11) EP2997468	ELECTRICITY FRAUD DETECTION	G06F 21/53
(21) EP14797017.2	(73) Oracle International Corporation	G06F 21/62
(47) 13.04.2022	(72) ABBAS, Hussain	(11) EP3314516
(87) US2014037281	(31) 201715820326	(21) EP16888371.8
20.11.2014	201762485319 P	(47) 13.04.2022
(22) 08.05.2014	(32) 21.11.2017	(87) US2016014908
(54) KIOSK APPLICATION MODE FOR	13.04.2017	03.08.2017
OPERATING SYSTEM	(33) United States of America	(22) 26.01.2016
(73) Google LLC	United States of America	(54) SYSTEM MANAGEMENT MODE
(72) SENGUPTA, Caesar	(51) G06F 21/52	PRIVILEGE ARCHITECTURE
KUSCHER, Alexander Friedrich	G06F 21/50	(73) Hewlett-Packard Development Company,
NAGARAJAN, Vidya	G06F 11/30	L.P.
HORNUNG, Zelidrag	H04L 29/06	(72) PLAQUIN, David
SHETH, Rajen	(11) EP3590062	JEANSONNE, Jeffrey K.
(31) 201313892673	(21) EP18761959.8	VILLATEL, Maugan
(32) 13.05.2013	(47) 13.04.2022	BRAMLEY, Richard A., Jr.
(33) United States of America	(87) US2018020293	(51) G06F 21/62
(51) G06F 21/32	07.09.2018	G06F 16/242
G06K 9/00	(22) 28.02.2018	G06F 16/9032
G06K 9/62	(54) AUTOMATED SERVICE-ORIENTED	G06F 40/30
(11) EP3582127	PERFORMANCE MANAGEMENT	H04W 4/021
(21) EP18838562.9	(73) Sysdig, Inc.	(11) EP3779759
(47) 13.04.2022	(72) DEGIOANNI, Loris	(21) EP20198903.5
(87) CN2018097276	(31) 201715447668	(47) 13.04.2022
31.01.2019	(32) 02.03.2017	(22) 30.10.2018
(22) 26.07.2018	(33) United States of America	(54) USING DISTRIBUTED STATE
(54) FEATURE INFORMATION-BASED	(51) G06F 21/53	MACHINES FOR HUMAN-TO-
USER AUTHENTICATION METHOD	G06F 21/74	COMPUTER DIALOGS WITH
AND DEVICE	(11) EP3704613	AUTOMATED ASSISTANTS TO
(73) Advanced New Technologies Co., Ltd.	(21) EP18801200.9	PROTECT PRIVATE DATA
(72) GUO, Mingyu	(47) 13.04.2022	(73) Google LLC
JIANG, Nan	(87) US2018057905	(72) AMBU, Andrea
(31) 201710622716	09.05.2019	PALTANAVICIUS, Adomas
(32) 27.07.2017	(22) 29.10.2018	(31) 201715813281
(33) China	(54) PROVISIONING TRUSTED	201762581528 P
(51) G06F 21/33	EXECUTION ENVIRONMENT(S)	(32) 15.11.2017
G06F 21/45	BASED ON CHAIN OF TRUST	03.11.2017
(11) EP3692458	INCLUDING PLATFORM	(33) United States of America
(21) EP18786054.9	(73) Microsoft Technology Licensing, LLC	United States of America
(47) 13.04.2022	(72) NOVAK, Mark Fishel	(51) G06F 21/64
(87) IL2018051075	MOORE, Benjamin Seth	G06Q 20/38
11.04.2019	(31) 201815984053	(11) EP3635606
(22) 02.10.2018	201715803574	(21) EP18734957.6
(54) SYSTEMS AND METHODS FOR	(32) 18.05.2018	(47) 13.04.2022
PREVENTING EXCESS USER	03.11.2017	(87) IB2018053979
AUTHENTICATION TOKEN	(33) United States of America	13.12.2018
UTILIZATION CONDITIONS IN	United States of America	(22) 04.06.2018
AN ENTERPRISE COMPUTER	(51) G06F 21/56	(54) BLOCKCHAIN FOR GENERAL
ENVIRONMENT	G06N 20/00	COMPUTATION
(73) Varonis Systems, Inc.	(11) EP3469508	(73) Nchain Holdings Limited
(72) FAITELSON, Yakov	(21) EP17731373.1	(72) TREVETHAN, Thomas

(31) 201709188	(73) Pearson Education, Inc.	G06T 11/00
(32) 09.06.2017	(72) BUCKLAND, Simon Piers	(11) EP3201826
(33) United Kingdom	WOOD, Ian	(21) EP15770846.2
(51) G06F 21/64	HAYES, Catherine	(47) 13.04.2022
H04L 29/06	WORACHEK, Joseph, John	(87) EP2015071839
G06K 9/18	BENIGNO, Veronica	07.04.2016
G06F 15/16	MAYOR, Michael, John	(22) 23.09.2015
G06F 21/55	(31) 201615343009	(54) METHOD AND DATA-PROCESSING
G06F 40/232	(32) 03.11.2016	DEVICE FOR COMPUTER-ASSISTED
(11) EP3465455	(33) United States of America	HAIR COLOURING GUIDANCE
(21) EP17803417.9	(51) G06K 7/00	(73) Henkel AG & Co. KGaA
(47) 13.04.2022	G06K 7/10	(72) KOWALCZYK, Thomas
(87) US2017033995	H04N 1/00	GEISSEL, Gesa
30.11.2017	G06K 17/00	(31) 102014220077
(22) 23.05.2017	(11) EP3811277	(32) 02.10.2014
(54) COMPUTER-IMPLEMENTED	(21) EP19735407.9	(33) Germany
METHODS AND SYSTEMS FOR	(47) 13.04.2022	(51) G06K 9/00
IDENTIFYING VISUALLY SIMILAR	(87) IB2019054979	G06K 9/62
TEXT CHARACTER STRINGS	26.12.2019	(11) EP3602398
(73) Greathorn, Inc.	(22) 14.06.2019	(21) EP18732680.6
(72) WALLACE, Raymond, W. III	(54) APPARATUS FOR INSPECTING	(47) 13.04.2022
(31) 201615161746	DOCUMENTS	(87) EP2018064631
(32) 23.05.2016	(73) Custom S.p.A.	13.12.2018
(33) United States of America	(72) CAMPANINI, Alberto	(22) 04.06.2018
(51) G06F 40/109	(31) 201800002832 U	(54) METHOD AND APPARATUS FOR
G06F 3/12	201800006549	ANALYSING AN IMAGE
(11) EP3224736	(32) 21.06.2018	(73) Siemens Aktiengesellschaft
(21) EP14808572.3	21.06.2018	(72) HUTTER, Andreas
(47) 13.04.2022	(33) Italy	AMON, Peter
(87) EP2014075966	Italy	GHOSH, Sanjukta
02.06.2016	(51) G06K 7/14	(31) 201711019646
(22) 28.11.2014	B42D 15/08	(32) 05.06.2017
(54) LABEL PRINTER	G06K 19/00	(33) India
(73) Sato Holdings Kabushiki Kaisha	H04N 1/21	(51) G06K 9/46
(72) WIBECK, Magnus	H04N 1/00	G06T 7/90
ÅKESSON, Anders	G06F 3/06	(11) EP3254074
(51) G06F 40/171	(11) EP3358477	(21) EP16746984.0
G06F 3/0354	(21) EP18154914.8	(47) 13.04.2022
G06F 3/0488	(47) 13.04.2022	(87) US2016015022
G06K 9/00	(22) 02.02.2018	11.08.2016
(11) EP3602331	(54) DATA MANAGEMENT SYSTEM	(22) 27.01.2016
(21) EP18762692.4	(73) ThePeople.de GmbH	(54) DETERMINING A COLOR VALUE OF
(47) 13.04.2022	(72) FISCHER, Rudolf Andreas	AN ARTICLE OF FABRIC
(87) US2018046358	NÄGELE, Carl Michael	(73) Henkel IP & Holding GmbH
23.05.2019	(31) 102017103824	(72) MACK, Jordan
(22) 10.08.2018	102017102125	KOVEN, Stephen
(54) ELECTRONIC TEXT PEN SYSTEMS	(32) 24.02.2017	DECKER, Stephen E.
AND METHODS	03.02.2017	(31) 201514612792
(73) Google LLC	(33) Germany	(32) 03.02.2015
(72) BUCKLEY, Thomas	Germany	(33) United States of America
CIRIMELE, Maria	(51) G06K 9/00	(51) G06K 19/06
MICKLE, Robert	(11) EP3108405	G06K 19/14
(31) 201715818637	(21) EP15706757.0	G07D 7/20
(32) 20.11.2017	(47) 13.04.2022	G07D 7/2033
(33) United States of America	(87) EP2015053539	G07D 7/0043
(51) G06F 40/20	27.08.2015	G07D 7/202
G09B 7/00	(22) 19.02.2015	(11) EP3539058
G09B 7/06	(54) A SYSTEM FOR USE IN A VEHICLE	(21) EP17808537.9
G09B 7/12	(73) Jaguar Land Rover Limited	(47) 13.04.2022
G09B 5/00	(72) MURTHY, Niranjana	(87) FR2017053039
(11) EP3535745	WELLS, Andy	17.05.2018
(21) EP17868147.4	(31) 201403066	(22) 07.11.2017
(47) 13.04.2022	(32) 21.02.2014	(54) METHOD FOR AUTHENTICATING AN
(87) US2017054610	(33) United Kingdom	ILLUSTRATION
11.05.2018	(51) G06K 9/00	(73) SURYS
(22) 29.09.2017	G06K 9/46	(72) PIC, Marc
(54) MAPPING DATA RESOURCES TO	G06K 9/62	OUDDAN, Mohammed Amine
REQUESTED OBJECTIVES	G06T 7/00	(31) 1660874

(32) 09.11.2016	(22) 18.09.2017	(51) G06T 3/00
(33) France	(54) RECOMMENDATION METHOD AND	G06T 5/00
(51) G06N 3/02	TERMINAL	H04N 5/232
G06K 9/00	(73) Huawei Technologies Co., Ltd.	G06T 1/20
B25J 9/16	(72) SUN, Kang	G06T 5/20
G01N 35/00	WANG, Xiyong	(11) EP3441934
G06K 9/46	LIU, Mohan	(21) EP16895491.5
(11) EP3652679	JIANG, Jiyong	(47) 13.04.2022
(21) EP18832807.4	FAN, Tao	(87) JP2016080184
(47) 13.04.2022	YANG, Renzhi	28.09.2017
(87) US2018039278	ZHOU, Li	(22) 12.10.2016
17.01.2019	(51) G06Q 20/00	(54) IMAGE PROCESSING DEVICE AND
(22) 25.06.2018	H04L 29/06	IMAGE PROCESSING METHOD
(54) METHODS AND SYSTEMS FOR	(11) EP3659082	(73) Hitachi Astemo, Ltd.
LEARNING-BASED IMAGE EDGE	(21) EP18755311.0	(72) YAMADA, Tetsuya
ENHANCEMENT OF SAMPLE TUBE	(47) 13.04.2022	SASAMOTO, Manabu
TOP CIRCLES	(87) IB2018055237	UCHIDA, Yusuke
(73) Siemens Healthcare Diagnostics, Inc.	31.01.2019	MATSUO, Shigeru
(72) POLLACK, Benjamin S.	(22) 16.07.2018	(31) 2016061280
CHANG, Yao-Jen	(54) COMPUTER-IMPLEMENTED SYSTEM	(32) 25.03.2016
KLUCKNER, Stefan	AND METHOD ENABLING SECURE	(33) Japan
CHEN, Terrence	STORAGE OF A LARGE BLOCKCHAIN	(51) G06T 3/40
(31) 201762531121 P	OVER A PLURALITY OF STORAGE	(11) EP3762894
(32) 11.07.2017	NODES	(21) EP20706846.1
(33) United States of America	(73) Nchain Holdings Limited	(47) 13.04.2022
(51) G06N 3/08	(72) MADEO, Simone	(87) JP2020002200
G06N 3/04	DESTEFANIS, Giuseppe	24.09.2020
(11) EP3555817	VINCENT, Stephane	(22) 16.01.2020
(21) EP17784126.9	WRIGHT, Craig Steven	(54) SYSTEMS AND METHODS FOR MULTI-
(47) 13.04.2022	MOTYLINSKI, Patrick	SPECTRAL IMAGE FUSION USING
(87) US2017053943	(31) 201711867	UNROLLED PROJECTED GRADIENT
21.06.2018	(32) 24.07.2017	DESCENT AND CONVOLUTIONAL
(22) 28.09.2017	(33) United Kingdom	NEURAL NETWORK
(54) ADAPTIVE CHANNEL CODING USING	(51) G06Q 20/38	(73) Mitsubishi Electric Corporation
MACHINE-LEARNED MODELS	G06F 21/64	(72) BOUFONOS, Petros
(73) Google LLC	H04L 9/32	LOHIT, Suhas
(72) HERRESHOFF, Marcello	(11) EP3438903	LIU, Dehong
HOLT, Jason E.	(21) EP17775528.7	MANSOUR, Hassan
(31) 201615380399	(47) 13.04.2022	(31) 201916357504
(32) 15.12.2016	(87) JP2017013574	(32) 19.03.2019
(33) United States of America	05.10.2017	(33) United States of America
(51) G06N 20/00	(22) 31.03.2017	(51) G06T 3/40
G06F 21/55	(54) HIERARCHICAL NETWORK SYSTEM,	(11) EP3736768
G06F 21/56	AND NODE AND PROGRAM USED IN	(21) EP20171822.8
G06N 7/00	SAME	(47) 13.04.2022
H04L 29/06	(73) bitFlyer Blockchain, Inc.	(22) 28.04.2020
(11) EP3622402	(72) KOMIYAMA, Takafumi	(54) IMAGE PROCESSING APPARATUS,
(21) EP18798438.0	KANO, Yuzo	IMAGE PROCESSING SYSTEM,
(47) 13.04.2022	(31) 2016071343	IMAGE PROCESSING METHOD, AND
(87) US2018028430	(32) 31.03.2016	PROGRAM
15.11.2018	(33) Japan	(73) Alpine Electronics, Inc.
(22) 19.04.2018	(51) G06T 1/00	(72) Suda, Ryohei
(54) REAL TIME DETECTION OF CYBER	G06K 9/46	(31) 2019087844
THREATS USING BEHAVIORAL	G06K 19/06	(32) 07.05.2019
ANALYTICS	(11) EP3259706	(33) Japan
(73) Elasticsearch B.V.	(21) EP15882884.8	(51) G06T 3/60
(72) VEASEY, Thomas	(47) 13.04.2022	G06T 7/00
DODSON, Stephen	(87) US2015058620	(11) EP2920758
(31) 201715590439	25.08.2016	(21) EP13796207.2
(32) 09.05.2017	(22) 02.11.2015	(47) 13.04.2022
(33) United States of America	(54) METHODS AND A COMPUTING	(87) US2013070081
(51) G06Q 10/10	DEVICE FOR DETERMINING	22.05.2014
G06F 9/44	WHETHER A MARK IS GENUINE	(22) 14.11.2013
(11) EP3671440	(73) Sys-Tech Solutions, Inc.	(54) ROTATION OF AN IMAGE BASED
(21) EP17925343.0	(72) SOBORSKI, Michael, L.	ON IMAGE CONTENT TO CORRECT
(47) 13.04.2022	(31) 201514623925	IMAGE ORIENTATION
(87) CN2017102084	(32) 17.02.2015	(73) Google LLC
21.03.2019	(33) United States of America	(72) KRISHNASWAMY, Aravind

BUTKO, Nicholas	(47) 13.04.2022	(22) 02.11.2017
(31) 201213678850	(87) IL2017050728	(54) DIFFUSION ELLIPSOID MAPPING OF TISSUE
(32) 16.11.2012	04.01.2018	
(33) United States of America	(22) 29.06.2017	(73) DDE MRI Solutions Ltd.
(51) G06T 5/00	(54) ASSESSMENT AND MONITORING OF	(72) DEGANI, Hadassa
(11) EP3608868	A MUCOSAL DISEASE IN A SUBJECT'S	(31) 201615344518
(21) EP19153914.7	GASTROINTESTINAL TRACT	(32) 06.11.2016
(47) 13.04.2022	(73) Given Imaging Ltd.	(33) United States of America
(22) 28.01.2019	(72) LAPIDUS, Alon	
(54) FIREFLY DETECTION USING A	ELKAYAM, Orit	(51) G06T 7/20
PLURALITY OF BUFFERS	DOLNIK, Inessa	(11) EP2595114
(73) DreamWorks Animation LLC	STEIN, Assaf	(21) EP13153555.1
(72) JEFFERY, Keith	(31) 201762491486 P	(47) 13.04.2022
(31) 201816237332	201662357088 P	(22) 27.10.2009
201862716853 P	(32) 28.04.2017	(54) X-ray diagnosis apparatus and image processing apparatus
(32) 31.12.2018	30.06.2016	(73) Toshiba Medical Systems Corporation
09.08.2018	(33) United States of America	(72) Nambu, Kyojiro
(33) United States of America	United States of America	Takemoto, Hisato
United States of America	(51) G06T 7/00	Sakaguchi, Takuya
(51) G06T 5/00	G02F 1/13	(31) 2008275348
(11) EP3573019	G02F 1/13357	(32) 27.10.2008
(21) EP19174992.8	F21V 8/00	(33) Japan
(47) 13.04.2022	(11) EP3557217	
(22) 16.05.2019	(21) EP17881775.5	(51) G06T 7/55
(54) CHARGED PARTICLE BEAM	(47) 13.04.2022	(11) EP3398168
APPARATUS AND MACHINE	(87) JP2017038687	(21) EP16847598.6
LEARNING METHOD	21.06.2018	(47) 13.04.2022
(73) JEOL Ltd.	(22) 26.10.2017	(87) IB2016001985
(72) UEMATSU, Fuminori	(54) INSPECTING DEVICE, INSPECTING	06.07.2017
(31) 2018100932	METHOD, AND PROGRAM	(22) 30.12.2016
(32) 25.05.2018	(73) Omron Corporation	(54) A METHOD AND DEVICE FOR
(33) Japan	(72) KONISHI, Yoshinori	REAL-TIME 3D CAPTURE AND LIVE
(51) G06T 5/00	(31) 2016243248	FEEDBACK WITH MONOCULAR
H04N 5/235	(32) 15.12.2016	CAMERAS
(11) EP3542525	(33) Japan	(73) ML Netherlands C.V.
(21) EP17883901.5	(51) G06T 7/10	(72) ILIC, Alexander
(47) 13.04.2022	H04N 5/262	FONSEKA, Erik
(87) CN2017115944	G01B 11/24	(31) 201562273821 P
28.06.2018	G06F 3/01	(32) 31.12.2015
(22) 13.12.2017	G06V 10/143	(33) United States of America
(54) METHODS AND SYSTEMS FOR	G06V 10/26	
FILLING LIGHT FOR VIDEO IMAGES	G06V 20/64	(51) G06T 7/586
(73) Zhejiang Dahua Technology Co., Ltd	(11) EP3213504	G06T 7/521
(72) QIAN, Yong	(21) EP14905110.4	(11) EP3662447
FANG, Wei	(47) 13.04.2022	(21) EP18762372.3
YU, Junjun	(87) US2014062735	(47) 13.04.2022
(31) 201611193829	06.05.2016	(87) FR2018052017
(32) 21.12.2016	(22) 28.10.2014	07.02.2019
(33) China	(54) IMAGE DATA SEGMENTATION	(22) 03.08.2018
(51) G06T 7/00	(73) Hewlett-Packard Development Company,	(54) METHOD FOR THE NON-
(11) EP3786885	L.P.	DESTRUCTIVE INSPECTION OF AN
(21) EP20190708.6	(72) FAN, Jian	AERONAUTICAL PART AND SYSTEM
(47) 13.04.2022	TRETTTER, Daniel R.	THEREOF
(22) 12.08.2020	TAN, Kar Han	(73) Safran
(54) DETECTION APPARATUS AND	KANG, Jinman	(72) LE GUILLOUX, Yann
DETECTION METHOD	SHARMA, Divya	PICARD, Sylvaine
(73) FUJITSU LIMITED	WANG, Su	(31) 1757490
(72) Nonaka, Yusuke	TANG, Yun D.	(32) 03.08.2017
Segawa, Eigo	(51) G06T 7/11	(33) France
(31) 2019157868	G06T 7/00	
(32) 30.08.2019	G06T 11/00	(51) G06T 7/73
(33) Japan	A61B 5/055	G06T 7/80
(51) G06T 7/00	G06K 9/46	(11) EP3534334
A61B 5/00	(11) EP3534791	(21) EP18159315.3
A61B 1/00	(21) EP17866604.6	(47) 13.04.2022
(11) EP3478159	(47) 13.04.2022	(22) 28.02.2018
(21) EP17819504.6	(87) IL2017051198	(54) METHOD FOR IDENTIFICATION OF
	11.05.2018	CHARACTERISTIC POINTS OF A
		CALIBRATION PATTERN WITHIN
		A SET OF CANDIDATE POINTS

DERIVED FROM AN IMAGE OF THE CALIBRATION PATTERN	G08B 21/00	G08B 29/14
(73) Aptiv Technologies Limited	B25J 9/16	(11) EP3791373
(72) GONGOLEWSKI, Krzysztof	F16P 3/14	(21) EP19723584.9
DLUGOSZ, Rafal	(11) EP3469564	(47) 13.04.2022
DWORAKOWSKI, Waldemar	(21) EP17810741.3	(87) US2019029816
(51) G07C 9/00	(47) 13.04.2022	14.11.2019
H04W 4/80	(87) US2017035370	(22) 30.04.2019
H04L 12/08	14.12.2017	(54) SYSTEM AND METHOD FOR TESTING NETWORKED ALARM UNITS
H04W 12/61	(22) 01.06.2017	(73) Carrier Corporation
G06F 21/45	(54) APPARATUS, SYSTEMS, AND METHODS PROVIDING REMOTE ACCESS WARNING	(72) DANVERS, Narval
H04L 9/32	(73) Siemens Healthcare Diagnostics Inc.	MIAGKOV, Valeriy V.
G06F 21/33	(72) GNECCO, Silvio	(31) 201862670365 P
(11) EP3384471	(31) 201662347297 P	(32) 11.05.2018
(21) EP15909664.3	(32) 08.06.2016	(33) United States of America
(47) 13.04.2022	(33) United States of America	(51) G08C 17/02
(87) FI2015050852	(51) G08B 13/14	H04Q 9/00
08.06.2017	G08B 13/12	F24C 7/08
(22) 03.12.2015	E05B 45/06	(11) EP3189509
(54) ACCESS MANAGEMENT	G06F 7/02	(21) EP15756397.4
(73) Nokia Technologies Oy	G06F 7/04	(47) 13.04.2022
(72) KOSKIMIES, Olli Oskari	H04B 5/02	(87) EP2015069643
BLANTS, Lioudmila Lucy	B60R 25/10	10.03.2016
MIKOLA, Timo Tapani	B60R 25/24	(22) 27.08.2015
(51) G07C 9/27	F17D 3/01	(54) METHOD FOR DATA COMMUNICATION BETWEEN A MOBILE COMPUTER DEVICE AND A HOUSEHOLD DEVICE, AS WELL AS APPLICATION SOFTWARE, MOBILE COMPUTER DEVICE, COMPUTER PROGRAM AND SYSTEM
G06F 21/33	G05B 19/04	(73) ELECTROLUX APPLIANCES
G06F 21/34	G06F 21/34	AKTIEBOLAG
H04L 29/06	G06F 21/45	(72) LUCKHARDT, Christoph
(11) EP2494440	G06F 21/88	ARLER, Daniel
(21) EP10858211.5	G08B 25/00	WALTHER, Christoph
(47) 13.04.2022	G07C 9/00	REINHARD-HERRSCHER, Fabienne
(87) US2010002816	H04B 1/3816	KAISER, Kersten
12.04.2012	H04B 1/3877	COMUZZI, Sandro
(22) 22.10.2010	H04W 48/00	(31) 14183303
(54) UNIVERSAL VALIDATION MODULE FOR ACCESS CONTROL SYSTEMS	H04W 12/0471	(32) 03.09.2014
(73) ASSA ABLOY AB	H04W 12/082	(33) European Patent Office (EPO)
(72) MCGEACHIE, John, J.	(11) EP3443544	(51) G08C 17/02
(31) 589883	(21) EP17783328.2	H04Q 9/00
(32) 29.10.2009	(47) 13.04.2022	F24C 7/08
(33) United States of America	(87) US2017027798	F24C 15/02
(51) G07D 5/08	19.10.2017	G06Q 10/06
(11) EP3170153	(22) 14.04.2017	(11) EP3189510
(21) EP15734227.0	(54) AUTHORIZATION CONTROL FOR AN ANTI-THEFT SECURITY SYSTEM	(21) EP15760421.6
(47) 13.04.2022	(73) Mobile Tech, Inc.	(47) 13.04.2022
(87) GB2015051885	(72) WYLIE, Hunter A.	(87) EP2015069633
21.01.2016	SCHATZ, Kristopher W.	10.03.2016
(22) 29.06.2015	BLASER, Robert L.	(22) 27.08.2015
(54) DEVICE AND METHOD FOR THE SENSING OF MONEY ITEMS	(31) 201662323511 P	(54) METHOD FOR DATA COMMUNICATION WITH A DOMESTIC APPLIANCE BY A MOBILE COMPUTER DEVICE, MOBILE COMPUTER DEVICE AND DOMESTIC APPLIANCE
(73) Crane Payment Innovations Limited	201662323466 P	(73) Electrolux Appliances Aktiebolag
(72) ASHLEY, Tony	(32) 15.04.2016	(72) LUCKHARDT, Christoph
(31) 201412631	15.04.2016	ARLER, Daniel
(32) 16.07.2014	(33) United States of America	COMUZZI, Sandro
(33) United Kingdom	United States of America	WALTHER, Christoph
(51) G07F 13/00	(51) G08B 13/196	KAISER, Kersten
A47G 19/12	(11) EP3396645	REINHARD-HERRSCHER, Fabienne
A47J 31/00	(21) EP18168711.2	(31) 14183303
(11) EP3664052	(47) 13.04.2022	(32) 03.09.2014
(21) EP18209777.4	(22) 23.04.2018	(33) European Patent Office (EPO)
(47) 13.04.2022	(54) CONTROL APPARATUS, CONTROL METHOD, AND PROGRAM	
(22) 03.12.2018	(73) CANON KABUSHIKI KAISHA	
(54) INTELLIGENT CONTROL OF BEVERAGE DISPENSER	(72) TAOKE, Shinya	
(73) Rirup Company S.A.	(31) 2017089719	
(72) Schucker, Josef	(32) 28.04.2017	
(51) G08B 3/10	(33) Japan	
	(51) G08B 29/12	

(51) G08G 1/00 B60W 40/08 G05D 1/02 (11) EP3734567 (21) EP20166165.9 (47) 13.04.2022 (22) 29.12.2017 (54) SELF-ORDERING OF FLEET VEHICLES IN A PLATOON (73) Bendix Commercial Vehicle Systems, LLC (72) LESHNER, Michael K. MILLER, JR., T. Stephen (31) 201615395219 (32) 30.12.2016 (33) United States of America	(54) BOLTED JOINT DEMONSTRATION DEVICE AND METHOD (73) Atlas Copco Industrial Technique AB (72) BENFORD, Jason J. (51) G09G 3/00 G09G 5/00 G06F 11/22 G06F 11/24 (11) EP3404645 (21) EP18168611.4 (47) 13.04.2022 (22) 20.04.2018 (54) INTERMITTENT DISPLAY ISSUE MONITORING SYSTEM (73) Honeywell International Inc. (72) ABBOTT, Mark Perry (31) 201715497998 (32) 26.04.2017 (33) United States of America	H01L 27/32 H01L 51/52 (11) EP3699900 (21) EP19213814.7 (47) 13.04.2022 (22) 05.12.2019 (54) DISPLAY DEVICE INCLUDING ELECTROLUMINESCENCE ELEMENT (73) Mikuni Electron Corporation (72) TANAKA, Sakae (31) 2019029934 (32) 22.02.2019 (33) Japan
(51) G08G 1/00 G08G 1/16 B60W 30/09 G01C 21/34 G05D 1/00 B60W 30/18 (11) EP3333820 (21) EP15898909.5 (47) 13.04.2022 (87) JP2015070748 26.01.2017 (22) 21.07.2015 (54) DRIVING PLAN DEVICE, TRAVEL SUPPORT DEVICE, AND DRIVING PLAN METHOD (73) Nissan Motor Co., Ltd. (72) AOKI, Motonobu FUJITA, Susumu	(51) G09G 3/00 H01L 25/075 G09G 3/3225 H01L 33/00 H01L 27/15 H01L 27/32 (11) EP3425618 (21) EP18188965.0 (47) 13.04.2022 (22) 02.09.2016 (54) ASSEMBLY OF SEMICONDUCTOR DEVICES (73) Facebook Technologies, LLC (72) OYER, Celine SAKETI, Pooya O'KEEFFE, Joseph MASSOUBRE, David HUGHES, Pdraig HENRY, William (31) 201609422 201607248 201520265 201515564 (32) 27.05.2016 26.04.2016 17.11.2015 02.09.2015 (33) United Kingdom United Kingdom United Kingdom United Kingdom	(51) G10D 3/01 (11) EP3267436 (21) EP15884001.7 (47) 13.04.2022 (87) JP2015076540 09.09.2016 (22) 17.09.2015 (54) ENDPIN HOLDER (73) Aimi, Masami (72) Aimi, Masami (31) 2015040021 (32) 02.03.2015 (33) Japan
(51) G08G 1/01 (11) EP3128495 (21) EP16182286.1 (47) 13.04.2022 (22) 02.08.2016 (54) METHOD FOR GEOGRAPHICAL AREA DETECTION OF TRANSPORTATION INFRASTRUCTURE (73) Yunex GmbH (72) Sachse, Thomas Füreder, Herbert (31) 102015214955 (32) 05.08.2015 (33) Germany	(51) G08G 1/01 G08G 1/08 (11) EP3236446 (21) EP16166512.0 (47) 13.04.2022 (22) 22.04.2016 (54) ARRANGEMENT AND METHOD FOR PROVIDING ADAPTATION TO QUEUE LENGTH FOR TRAFFIC LIGHT ASSIST- APPLICATIONS (73) Volvo Car Corporation (72) Israelsson, Erik	(51) G10H 1/32 G10H 1/46 G10H 3/18 G10H 1/00 (11) EP3599603 (21) EP19160447.9 (47) 13.04.2022 (22) 04.03.2019 (54) DIGITAL REMOTE CONTROL OF ANALOG POTENTIOMETERS FOR GUITAR AMPLIFIERS. (73) Jihoceska Universita V Ceskych Budejovicich (72) Novák, Milan Ptáček, Ladislav (31) 2018376 (32) 26.07.2018 (33) Czech Republic
(51) G08G 1/01 G08G 1/08 (11) EP3236446 (21) EP16166512.0 (47) 13.04.2022 (22) 22.04.2016 (54) ARRANGEMENT AND METHOD FOR PROVIDING ADAPTATION TO QUEUE LENGTH FOR TRAFFIC LIGHT ASSIST- APPLICATIONS (73) Volvo Car Corporation (72) Israelsson, Erik	(51) G09B 19/24 (11) EP3707692 (21) EP17801821.4 (47) 13.04.2022 (87) US2017060847 16.05.2019 (22) 09.11.2017	(51) G10K 9/12 B81B 3/00 H04R 1/24 H04R 1/28 H04R 7/04 H04R 7/20 H04R 9/06 H04R 9/18 H04R 17/00 H04R 17/10 (11) EP3480163 (21) EP18204028.7 (47) 13.04.2022 (22) 02.11.2018 (54) AIR PULSE GENERATING ELEMENT AND SOUND PRODUCING DEVICE (73) xMEMS Labs, Inc. (72) LIANG, Jemm Yue HONG, David LO, Chiung C. (31) 201816172876 201862719694 P 201762581741 P (32) 29.10.2018

19.08.2018	(87) US2016066619	G10L 17/24
05.11.2017	31.08.2017	G07C 9/37
(33) United States of America	(22) 14.12.2016	(11) EP3319085
United States of America	(54) FACILITATION OF OFFLINE SEMANTIC	(21) EP17199379.3
United States of America	PROCESSING IN A RESOURCE-	(47) 13.04.2022
(51) G10K 11/168	CONSTRAINED DEVICE	(22) 31.10.2017
G10K 11/172	(73) Google LLC	(54) METHOD AND SYSTEM FOR USER
B64D 11/06	(72) SUNG, Sangsoo	AUTHENTICATION BY VOICE
B60N 2/70	GAO, Yuli	BIOMETRICS
(11) EP3549128	MENGIBAR, Pedro Jose Moreno	(73) PW Group
(21) EP17817186.4	(31) 201615051778	(72) KHEMIRI, Houssemeddine
(47) 13.04.2022	(32) 24.02.2016	LIBERT, Grégory
(87) IB2017057665	(33) United States of America	PETROVSKI CHOLLET, Dijana
14.06.2018	(51) G10L 15/22	(31) 1660734
(22) 05.12.2017	G10L 15/06	(32) 07.11.2016
(54) CUSHIONING ELEMENT WITH TUNED	G10L 15/18	(33) France
ABSORBER	H04M 3/493	(51) G10L 19/005
(73) Bombardier Inc.	G06F 3/16	H03M 7/38
(72) KATHIRCHELVAN, Thineshan	G06F 40/30	(11) EP3642839
BRODEUR, Andre	G06F 40/35	(21) EP18733793.6
LEE MAN WONG, Raymond	(11) EP3596727	(47) 13.04.2022
CARON-L'ECUYER, Alexis	(21) EP18723309.3	(87) DK2018050142
(31) 201662430036 P	(47) 13.04.2022	27.12.2018
(32) 05.12.2016	(87) US2018029034	(22) 15.06.2018
(33) United States of America	22.11.2018	(54) AUDIO SIGNAL ENCODING AND
(51) G10K 11/168	(22) 24.04.2018	DECODING
G10K 11/172	(54) OPTIMIZING DIALOGUE POLICY	(73) RTX A/S
G10K 11/16	DECISIONS FOR DIGITAL ASSISTANTS	(72) PETERSEN, Jens Toftgaard
B32B 3/12	USING IMPLICIT FEEDBACK	(31) PA201770475
B60R 13/08	(73) Apple Inc.	(32) 19.06.2017
(11) EP3660833	(72) VANDYKE, David J.	(33) Denmark
(21) EP18837354.2	VOICE, Thomas David	(51) G10L 19/02
(47) 13.04.2022	KAPLAN, Dain	G10L 19/16
(87) JP2018028326	FRIAS DELGADO, Silvia	H03G 7/00
31.01.2019	HELGASON, Thorvaldur Pall	(11) EP3444816
(22) 27.07.2018	Ó SÉAGHDHA, Diarmuid	(21) EP18191911.9
(54) SOUNDPROOFING MATERIAL	THOMSON, Blaise	(47) 13.04.2022
(73) Nissan Motor Co., Ltd.	GUNTER, Thomas	(22) 03.02.2011
(72) MIURA, Susumu	YOUNG, Stephen J.	(54) SYSTEM AND METHOD FOR NON-
HORIBE, Norifumi	FRAZZINGARO, Gennaro	DESTRUCTIVELY NORMALIZING
(31) 2018136411	(31) PA201770431	LOUDNESS OF AUDIO SIGNALS
2017146066	201715678059	WITHIN PORTABLE DEVICES
(32) 20.07.2018	201762506465 P	(73) Dolby Laboratories Licensing Corporation
28.07.2017	(32) 01.06.2017	Dolby International AB
(33) Japan	15.08.2017	(72) MUNDT, Harald
Japan	15.05.2017	WOLTERS, Martin
(51) G10L 15/06	(33) Denmark	RIEDMILLER, Jeffrey
G10L 15/16	United States of America	SCHUG, Michael
G10L 15/187	United States of America	(31) 30364310 P
(11) EP3379532	(51) G10L 17/00	(32) 11.02.2010
(21) EP18159930.9	G06F 21/32	(33) United States of America
(47) 13.04.2022	H04W 12/06	(51) G10L 21/02
(22) 05.03.2018	H04L 29/06	H03G 9/00
(54) METHOD AND APPARATUS FOR	(11) EP3129982	H03G 9/02
TRAINING ACOUSTIC MODEL	(21) EP15725176.0	(11) EP3614380
(73) Samsung Electronics Co., Ltd.	(47) 13.04.2022	(21) EP19163624.0
(72) Yoo, Sang Hyun	(87) US2015030569	(47) 13.04.2022
Song, Inchul	21.01.2016	(22) 19.03.2019
(31) 20170108060	(22) 13.05.2015	(54) SYSTEMS AND METHODS FOR
20170036644	(54) SPEAKER VERIFICATION USING CO-	SOUND ENHANCEMENT IN AUDIO
(32) 25.08.2017	LOCATION INFORMATION	SYSTEMS
23.03.2017	(73) Google LLC	(73) Mimi Hearing Technologies GmbH
(33) Korea (Republic)	(72) HANSSON, Othar	(72) CLARK, Nicholas R.
Korea (Republic)	GUEVARA, Raziél Alvarez	(31) 201862721417 P
(51) G10L 15/22	(31) 201414335380	(32) 22.08.2018
(11) EP3405885	(32) 18.07.2014	(33) United States of America
(21) EP16825941.4	(33) United States of America	(51) G10L 21/0208
(47) 13.04.2022	(51) G10L 17/16	G10L 21/0272

G01H 7/00	21.03.2019	Centre National de la Recherche Scientifique CNRS
G10L 21/0216	(22) 11.09.2018	Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris
G10L 21/038	(54) INTERCOM-STYLE COMMUNICATION USING MULTIPLE COMPUTING DEVICES	(72) HOLE, Stéphane
H04R 3/00	(73) Google LLC	LERIDON, Brigitte
G10K 15/08	(72) FEUZ, Sandro	FEDERICCI, Rémi
(11) EP3847645	MILLIUS, Sebastian	(31) 1659322
(21) EP18778468.1	ALTHAUS, Jan	(32) 29.09.2016
(47) 13.04.2022	(31) 201715702164	(33) France
(87) EP2018075994	(32) 12.09.2017	(51) G11C 16/04
02.04.2020	(33) United States of America	G11C 16/10
(22) 25.09.2018	(51) G11C 7/10	(11) EP3586337
(54) DETERMINING A ROOM RESPONSE OF A DESIRED SOURCE IN A REVERBERANT ENVIRONMENT	G11C 5/14	(21) EP17817497.5
(73) HUAWAI TECHNOLOGIES CO., LTD.	H04R 1/10	(47) 13.04.2022
(72) KLEIJN, Willem Bastiaan	G06F 13/14	(87) US2017063464
SETIAWAN, Panji	G11C 5/06	30.08.2018
SHERSON, Thomas	G11C 16/30	(22) 28.11.2017
JIN, Wenyu	H04B 1/3827	(54) GROUPING MEMORY CELLS INTO SUB-BLOCKS FOR PROGRAM SPEED UNIFORMITY
(51) G10L 21/038	H04R 29/00	(73) SanDisk Technologies LLC
G10L 19/00	(11) EP2671228	(72) ALSMEIER, Johann
G10L 19/24	(21) EP12742703.7	DONG, Yingda
(11) EP3364414	(47) 13.04.2022	KAI, James
(21) EP18151917.4	(87) US2012021642	ZHANG, Zhengyi
(47) 13.04.2022	09.08.2012	(31) 201715437718
(22) 11.12.2009	(22) 18.01.2012	(32) 21.02.2017
(54) AUDIO BANDWIDTH EXTENSION DECODER, CORRESPONDING METHOD AND COMPUTER PROGRAM	(54) A PASSIVE INTERFACE FOR AN ELECTRONIC MEMORY DEVICE	(33) United States of America
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(73) 3M Innovative Properties Company	(51) G11C 16/28
(72) Fuchs, Guillaume	(72) HENRY, Paul D.	G11C 7/14
Griebel, Christian	(31) 201161438521 P	G11C 7/06
Disch, Sascha	(32) 01.02.2011	G11C 16/24
Nagel, Frederik	(33) United States of America	G11C 16/04
Herre, Jürgen	(51) G11C 11/56	G11C 7/08
(31) 122552 P	G11C 16/34	G11C 8/12
(32) 15.12.2008	(11) EP3483888	G11C 11/34
(33) United States of America	(21) EP18192298.0	G11C 11/56
(51) G10L 21/038	(47) 13.04.2022	G11C 16/08
G10L 19/02	(22) 03.09.2018	G11C 16/14
H03M 7/30	(54) SEMICONDUCTOR MEMORY DEVICE AND METHOD OF DEFINING DATA IN SEMICONDUCTOR MEMORY DEVICE	(11) EP3465686
(11) EP3584793	(73) Renesas Electronics Corporation	(21) EP17803288.4
(21) EP19186306.7	(72) NAGASE, Hirokazu	(47) 13.04.2022
(47) 13.04.2022	(31) 2017216152	(87) US2017032575
(22) 27.07.2011	(32) 09.11.2017	30.11.2017
(54) SIGNAL PROCESSING APPARATUS AND METHOD, AND PROGRAM	(33) Japan	(22) 14.05.2017
(73) Sony Group Corporation	(51) G11C 13/00	(54) ASYMMETRICAL SENSING AMPLIFIER FOR FLASH MEMORY DEVICES
(72) CHINEN, Toru	C04B 35/465	(73) SILICON STORAGE TECHNOLOGY, INC.
HATANAKA, Mitsuyuki	G11C 13/02	(72) VU, Thuan
YAMAMOTO, Yuki	H01G 11/14	TRAN, Hieu Van
(31) 2010174758	H01G 11/84	LY, Anh
(32) 03.08.2010	H01G 11/56	(31) 201615163548
(33) Japan	H01L 45/00	(32) 24.05.2016
(51) G10L 25/51	C04B 35/462	(33) United States of America
H04L 29/08	(11) EP3520110	(51) G16B 40/00
G06F 3/16	(21) EP17783948.7	G16B 20/20
H04W 4/12	(47) 13.04.2022	G16B 20/40
G06F 40/20	(87) FR2017052678	G16H 10/20
G06N 3/08	05.04.2018	G16H 50/20
G06N 20/00	(22) 29.09.2017	(11) EP2923292
G10L 15/26	(54) DEVICE COMPRISING A SUPERCAPACITOR AND MANUFACTURING METHOD OF THE DEVICE	(21) EP13805587.6
G06N 7/00	(73) Paris Sciences et Lettres	(47) 13.04.2022
(11) EP3622510	SORBONNE UNIVERSITE	(87) IB2013060150
(21) EP18785475.7		30.05.2014
(47) 13.04.2022		(22) 15.11.2013
(87) US2018050344		

(54) DIAGNOSTIC GENETIC ANALYSIS USING VARIANT-DISEASE ASSOCIATION WITH PATIENT-SPECIFIC RELEVANCE ASSESSMENT	(72) LAKE, Douglas E. MOORMAN, J. Randall	H02B 13/055
(73) Koninklijke Philips N.V.	(31) 201462013112 P	(11) EP3671764
(72) VARADAN, Vinay	(32) 17.06.2014	(21) EP19383076.7
KAMALAKARAN, Sitharthan	(33) United States of America	(47) 13.04.2022
BANERJEE, Nilanjana	(51) G21F 5/14	(22) 04.12.2019
DIMITROVA, Nevenka	G21C 19/18	(54) LOW ENVIRONMENTAL IMPACT ELECTRICAL INSULATION SYSTEM FOR MEDIUM AND HIGH VOLTAGE ELECTRICAL SWITCHGEAR
JANEVSKI, Angel	G21C 19/32	(73) Ormazabal Corporate Technology, A.I.E.
(31) 201261729678 P	G21C 19/00	(72) IZCARA ZURRO, Jesús
(32) 26.11.2012	B62D 7/14	LARRIETA ZUBIA, Javier
(33) United States of America	(11) EP3751583	(31) 201831234
(51) G16H 15/00	(21) EP20174897.7	(32) 18.12.2018
G16H 20/17	(47) 13.04.2022	(33) Spain
A61M 5/168	(22) 27.09.2010	(51) H01B 11/10
A61M 5/142	(54) CASK HANDLING SYSTEM	(11) EP3309799
A61B 5/145	(73) MHE Technologies, Inc.	(21) EP17205525.3
A61B 5/00	(72) YUSTUS, Joe	(47) 13.04.2022
A61M 5/172	WAISANEN, Steven, K.	(22) 21.10.2014
(11) EP3089667	(31) 24588109 P	(54) IMPROVED HIGH PERFORMANCE DATA COMMUNICATIONS CABLE
(21) EP15744078.5	(32) 25.09.2009	(73) Belden Inc.
(47) 13.04.2022	(33) United States of America	(72) BRENNEKE, Douglas, David
(87) US2015012861	(51) H01B 1/24	GAREIS, Galen, Mark
06.08.2015	C01B 32/158	WEHRLI, Andrew, John
(22) 26.01.2015	C01B 32/182	CLARK, William, Thomas
(54) OFFLINE GLUCOSE CONTROL BASED ON PRECEDING PERIODS	C01B 32/20	(31) 201361894728 P
(73) Trustees of Boston University	C08K 3/04	(32) 23.10.2013
(72) EL-KHATIB, Firas H.	C08L 101/00	(33) United States of America
DAMIANO, Edward R.	H02N 11/00	(51) H01C 7/12
(31) 201461933996 P	(11) EP3667682	(11) EP2826044
(32) 31.01.2014	(21) EP18843064.9	(21) EP13725565.9
(33) United States of America	(47) 13.04.2022	(47) 13.04.2022
(51) G16H 40/63	(87) JP2018029467	(87) EP2013000720
G16H 50/20	14.02.2019	19.09.2013
G16H 20/30	(22) 06.08.2018	(22) 12.03.2013
(11) EP3326090	(54) SLURRY FOR FLEXIBLE ELECTRODES, AND FLEXIBLE ELECTRODE USING SAME	(54) SURGE PROTECTION DEVICE
(21) EP16735761.5	(73) Denka Company Limited	(73) Phoenix Contact GmbH & Co. KG
(47) 13.04.2022	(72) ITO, Tetsuya	(72) DEPPING, Christian
(87) US2016037550	HORIKOSHI, Yoko	(31) 102012004678
26.01.2017	(31) 2017152292	(32) 12.03.2012
(22) 15.06.2016	(32) 07.08.2017	(33) Germany
(54) CONTEXT-AWARE SYSTEM FOR PROVIDING FITNESS INFORMATION	(33) Japan	(51) H01F 1/147
(73) Google LLC	(51) H01B 3/56	H01F 1/153
(72) GALE, Allyson	(11) EP3138106	C22C 38/00
SOULOS, Paul	(21) EP15732627.3	C22C 38/02
(31) 201514812379	(47) 13.04.2022	C22C 38/04
201562193685 P	(87) EP2015064366	C22C 38/06
(32) 29.07.2015	07.01.2016	C22C 38/08
17.07.2015	(22) 25.06.2015	C22C 38/10
(33) United States of America	(54) DEVICE AND METHOD FOR USING 1,1,1,4,4,4-HEXAFLUORO-2-BUTENE AS AN ELECTRICALLY INSULATING AND/OR ARC-EXTINGUISHING GASEOUS MEDIUM	C22C 38/12
United States of America	(73) Siemens Aktiengesellschaft	C22C 38/14
(51) G16H 50/30	(72) ISE, Martin	C22C 38/18
(11) EP3157417	HAMMER, Thomas	C22C 38/30
(21) EP15808970.6	ESSER-RANK, Karsten	C22C 38/32
(47) 13.04.2022	LINS, Günter	C22C 38/34
(87) US2015036238	(31) 102014220985	C21D 8/12
23.12.2015	102014212884	(11) EP3625808
(22) 17.06.2015	(32) 16.10.2014	(21) EP18731577.5
(54) SYSTEM AND METHOD FOR IMPROVED CARDIAC RHYTHM CLASSIFICATION FROM TIME BETWEEN HEART BEAT INTERVALS USING NON-LINEAR DYNAMICS	03.07.2014	(47) 13.04.2022
(73) The University of Virginia Patent Foundation	(33) Germany	(87) US2018033155
	Germany	22.11.2018
	(51) H01B 3/56	(22) 17.05.2018
	H02B 13/035	(54) FE-SI BASE ALLOY AND METHOD OF MAKING SAME
		(73) CRS Holdings, LLC
		(72) POLAR-ROSAS, Alberto

WANG, Tao	H01F 27/30	SAITO, Tomokazu
KERNION, Samuel J.	(11) EP3660874	KUDOH, Takuo
CHINNASAMY, Chins	(21) EP18209219.7	TONOKAWA, Takashi
FITTERLING, Eric	(47) 13.04.2022	DEWA, Harutada
(31) 201762507415 P	(22) 29.11.2018	(31) 2016151073
(32) 17.05.2017	(54) DRY TRANSFORMER	(32) 01.08.2016
(33) United States of America	(73) Hitachi Energy Switzerland AG	(33) Japan
(51) H01F 3/02	(72) Wang, Yong	(51) H01H 3/02
H01F 1/147	Tepper, Jens	H01H 47/00
H01F 1/16	Mönig, Wolfgang	G01R 31/327
H01F 3/14	Cornelius, Frank	H03K 17/18
H01F 27/245	(51) H01F 38/30	(11) EP3462471
H01F 27/26	H01F 3/10	(21) EP17194126.3
(11) EP3520124	(11) EP3179494	(47) 13.04.2022
(21) EP16785559.2	(21) EP15830389.1	(22) 29.09.2017
(47) 13.04.2022	(47) 13.04.2022	(54) SAFETY SWITCH
(87) IB2016001409	(87) CN2015084896	(73) Rockwell Automation Switzerland GmbH
21.06.2018	11.02.2016	(72) Klein, Stefan
(22) 30.09.2016	(22) 23.07.2015	Papenbreer, Rudolf
(54) TRANSFORMER CORE FOR A CUT- AND-STACK TYPE TRANSFORMER, AND TRANSFORMER INCLUDING SAME	(54) CURRENT TRANSFORMER	(51) H01H 9/30
(73) Aperam	(73) Seari Electric Technology Co., Ltd.	H01H 9/54
(72) WAECKERLE, Thierry	Zhejiang Chint Electrics Co., Ltd.	H01H 33/59
HUBERT, Olivier	(72) SU, Beilu	(11) EP3648133
(51) H01F 7/126	WANG, Jun	(21) EP18838450.7
H01F 7/16	CHEN, Zhengxin	(47) 13.04.2022
(11) EP3857576	WAN, Xiangjun	(87) CN2018096226
(21) EP20706140.9	FENG, Jing	31.01.2019
(47) 13.04.2022	(31) 201410383710	(22) 19.07.2018
(87) EP2020053476	(32) 06.08.2014	(54) DIRECT-CURRENT ARC- EXTINGUISHING CIRCUIT AND DEVICE
17.09.2020	(33) China	(73) Guo, Qiaoshi
(22) 11.02.2020	(51) H01G 4/38	(72) Guo, Qiaoshi
(54) ELECTROMAGNETIC ACTUATING DEVICE WITH ADAPTABLE PLUNGER ARRANGEMENT	H01G 2/04	(31) 201810791947
(73) ETO MAGNETIC GmbH	H01G 2/08	201810384250
(72) RIGLING, Timo	H01G 4/18	201810026942
BÖLLING, Sebastian	H01G 4/224	201711070356
KLOTZ, Alexander	(11) EP3504724	201710896986
(31) 102019105938	(21) EP17748449.0	201710835095
(32) 08.03.2019	(47) 13.04.2022	201710608043
(33) Germany	(87) EP2017069012	(32) 18.07.2018
(51) H01F 27/22	08.03.2018	26.04.2018
H01F 37/00	(22) 27.07.2017	11.01.2018
H01F 27/32	(54) ELECTRODES COOLED CAPACITOR ASSEMBLY	03.11.2017
H01F 27/28	(73) Bayerische Motoren Werke Aktiengesellschaft	28.09.2017
H01F 27/30	(72) HAAS RUGEL, Erick Maximiliano	15.09.2017
H01F 41/04	SUDAN, Christoph	24.07.2017
H01F 41/12	HAMERSKI, Roman	(33) China
(11) EP3633699	LAFAYE, Christophe	China
(21) EP19199511.7	(31) 102016216237	China
(47) 13.04.2022	(32) 29.08.2016	China
(22) 25.09.2019	(33) Germany	China
(54) REACTOR AND METHOD OF MANUFACTURING THE SAME	(51) H01G 11/56	China
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	H01G 11/26	China
(72) SERIZAWA, Kazumi	H01G 4/008	(51) H01H 33/70
(31) 2019018163	H01G 4/33	(11) EP3503151
2018179391	H01L 49/02	(21) EP17209152.2
(32) 04.02.2019	H01M 10/36	(47) 13.04.2022
25.09.2018	H01M 14/00	(22) 20.12.2017
(33) Japan	(11) EP3496169	(54) CIRCUIT BREAKER AND METHOD OF PERFORMING A CURRENT BREAKING OPERATION
Japan	(21) EP17836760.3	(73) Hitachi Energy Switzerland AG
(51) H01F 27/32	(47) 13.04.2022	(72) Seeger, Martin
H01F 27/06	(87) JP2017026386	Dhotre, Mahesh
H01F 27/02	08.02.2018	Galletti, Bernardo
	(22) 21.07.2017	YE, Xiangyang
	(54) SECONDARY BATTERY	Gotti, Manuel
	(73) Kabushiki Kaisha Nihon Micronics	
	(72) TAKANO, Hikaru	

(51) H01H 35/26	Hager, Alexander	(31) 1654790
H01H 35/34	(31) 102018201913	(32) 27.05.2016
(11) EP3800654	(32) 07.02.2018	(33) France
(21) EP20198846.6	(33) Germany	
(47) 13.04.2022	(51) H01J 37/32	(51) H01L 21/304
(22) 29.09.2020	A23L 3/01	B32B 27/30
(54) PRESSURE SWITCH	H05B 6/70	C09J 133/00
(73) Saginomiya Seisakusho, Inc.	(11) EP3685425	H01L 21/301
(72) Asada, Yasuhiro	(21) EP18782651.6	H01L 21/683
Suzuki, Ryusuke	(47) 13.04.2022	B32B 27/06
Kurosawa, Tomokazu	(87) EP2018075264	C08F 222/10
Yuguchi, Fumiaki	28.03.2019	C09J 133/10
(31) 2019182628	(22) 19.09.2018	C09J 7/29
(32) 03.10.2019	(54) DEVICE FOR TREATING A PRODUCT	(11) EP3007212
(33) Japan	WITH MICROWAVES	(21) EP14805148.5
(51) H01H 35/36	(73) Muegge GmbH	(47) 13.04.2022
H01H 35/28	(72) BAUMGÄRTNER, Klaus-Martin	(87) JP2014063577
G01L 7/04	REICHMANN, Markus	04.12.2014
H01H 71/46	BAARS, Daniel	(22) 22.05.2014
(11) EP3734632	VOIT, Niko	(54) SEMICONDUCTOR WAFER
(21) EP19864778.6	(31) 102017121732	PROTECTION FILM AND
(47) 13.04.2022	(32) 19.09.2017	PRODUCTION METHOD FOR
(87) CN2019072685	(33) Germany	SEMICONDUCTOR DEVICE
02.04.2020	(51) H01L 21/02	(73) Mitsui Chemicals Tohcello, Inc.
(22) 22.01.2019	H01L 21/306	(72) KATAOKA, Makoto
(54) METHOD FOR IMPROVING GAS	C09G 1/02	MORIMOTO, Akimitsu
DENSITY RELAY PRECISION AND	C09K 3/14	FUKUMOTO, Hideki
HIGH-PRECISION GAS DENSITY	(11) EP3186825	(31) 2013113448
RELAY	(21) EP15759582.8	(32) 29.05.2013
(73) Shanghai Roye Electrical Co., Ltd	(47) 13.04.2022	(33) Japan
(72) JIN, Haiyong	(87) US2015045890	(51) H01L 21/316
(31) 201811136649	03.03.2016	H01L 21/768
(32) 28.09.2018	(22) 19.08.2015	H01L 21/306
(33) China	(54) POLISHING OF HARD SUBSTRATES	H01L 21/3105
(51) H01H 47/00	WITH SOFT-CORE COMPOSITE	H01L 21/321
H01H 47/32	PARTICLES	(11) EP3399544
H01H 47/22	(73) University of Florida Research	(21) EP17169473.0
(11) EP3355333	Foundation, Inc.	(47) 13.04.2022
(21) EP16880636.2	Entegris, Inc.	(22) 04.05.2017
(47) 13.04.2022	(72) BALASUNDARAM, Kannan	(54) SELECTIVE DEPOSITION OF
(87) CN2016097311	SINGH, Rajiv K.	DIELECTRIC MATERIALS
06.07.2017	ARJUNAN, Arul Chakkaravarthi	(73) IMEC vzw
(22) 30.08.2016	BAI, Wei	(72) ARMINI, Silvia
(54) ENERGY-SAVING CIRCUIT FOR	SINGH, Deepika	REDZHEB, Murad
CONTACTOR	(31) 201414471755	(51) H01L 21/324
(73) Mornsun Guangzhou Science &	(32) 28.08.2014	H01L 21/67
Technology Co., Ltd.	(33) United States of America	H01L 21/268
(72) SU, Junxi	(51) H01L 21/033	(11) EP3329510
YIN, Xiangyang	H01L 21/311	(21) EP16831063.9
(31) 201511034000	H01L 21/3213	(47) 13.04.2022
(32) 31.12.2015	G03F 7/00	(87) US2016042954
(33) China	B81C 1/00	02.02.2017
(51) H01H 71/46	H01L 21/3115	(22) 19.07.2016
H01H 71/56	H01L 21/3215	(54) ROTATING SUBSTRATE LASER
H01H 19/22	(11) EP3465739	ANNEAL
H01H 83/12	(21) EP17726600.4	(73) Applied Materials, Inc.
H01H 19/62	(47) 13.04.2022	(72) HUNTER, Aaron, Muir
(11) EP3525226	(87) EP2017062452	KEDLAYA, Diwakar, N.
(21) EP19154493.1	30.11.2017	SHARMA, Shashank
(47) 13.04.2022	(22) 23.05.2017	RANISH, Joseph, M.
(22) 30.01.2019	(54) METHOD FOR FORMING A	(31) 201562198556 P
(54) MODULE FOR A ROTARY DRIVE OF	FUNCTIONALISED GUIDE PATTERN	(32) 29.07.2015
AN ELECTRICAL SWITCH, ELECTRIC	FOR A GRAPHOEPIITAXY METHOD	(33) United States of America
SWITCH WITH SUCH A MODULE	(73) Commissariat à l'Énergie Atomique et	(51) H01L 21/66
AND METHOD FOR SWITCHING AN	aux Énergies Alternatives	H01L 27/146
ELECTRIC SWITCH	(72) POSSEME, Nicolas	(11) EP3188223
(73) Siemens Aktiengesellschaft	TIRON, Raluca	(21) EP16207482.7
(72) Plechinger, Ekkehard	CHEVALIER, Xavier	(47) 13.04.2022
		(22) 30.12.2016

(54) ARRAY SUBSTRATE FOR AN X-RAY DETECTOR AND X-RAY DETECTOR COMPRISING THE SAME	(54) A DRIVING CIRCUIT OF A POWER CIRCUIT AND A PACKAGE STRUCTURE THEREOF	H04N 5/369
(73) LG Display Co., Ltd.	(73) Delta Electronics, Inc.	(11) EP3573104
(72) YOON, JaeHo	(72) YANG, Chang-Jing	(21) EP18740995.8
(31) 20150191497	WANG, Liang-Cheng	(47) 13.04.2022
(32) 31.12.2015	(31) 201916403396	(87) JP2018000097
(33) Korea (Republic)	(32) 03.05.2019	26.07.2018
(51) H01L 21/673	(33) United States of America	(22) 05.01.2018
(11) EP3605596	(51) H01L 25/075	(54) LIGHT-RECEIVING ELEMENT
(21) EP18777566.3	F21S 41/125	(73) Sony Semiconductor Solutions Corporation
(47) 13.04.2022	F21S 41/143	(72) SANO Takuya
(87) JP2018010906	F21S 41/32	(31) 2017248888
04.10.2018	F21S 41/153	2017007479
(22) 19.03.2018	H05B 45/20	(32) 26.12.2017
(54) WAFER ACCOMMODATION CONTAINER	H01L 33/58	19.01.2017
(73) Achilles Corporation	H01L 33/60	(33) Japan
(72) NISHIJIMA Masayuki	F21Y 115/10	Japan
HIROSE Kenichi	F21Y 105/10	(51) H01L 27/146
(31) 2017069918	F21Y 113/13	G02B 5/20
(32) 31.03.2017	F21Y 113/17	G02B 6/10
(33) Japan	(11) EP3539157	(11) EP3639301
(51) H01L 21/762	(21) EP17868598.8	(21) EP18733819.9
(11) EP2339616	(47) 13.04.2022	(47) 13.04.2022
(21) EP10354093.6	(87) US2017058032	(87) EP2018066065
(47) 13.04.2022	17.05.2018	27.12.2018
(22) 20.12.2010	(22) 24.10.2017	(22) 18.06.2018
(54) Method for simplified production of a hybrid substrate	(54) MULTI-COLOR MICRO-LED ARRAY LIGHT SOURCE	(54) OPTICAL COMPONENT WITH WAVEGUIDE BASED FILTER
(73) STMicroelectronics Crolles 2 SAS	(73) Jade Bird Display (Shang Hai) Limited	(73) Life Technologies GmbH
Commissariat à l'Énergie Atomique et aux Énergies Alternatives	(72) OU, Fang	(72) WÖHLER, Christian
(72) Denorme, Stéphane	CHONG, Wing Cheung	(31) 17177092
Fenouillet-Béranger, Claire	ZHANG, Lei	(32) 21.06.2017
Coronel, Philippe	CHEN, Yijing	(33) European Patent Office (EPO)
(31) 0906233	LI, Qiming	(51) H01L 27/18
(32) 22.12.2009	(31) 201715701450	H01L 25/065
(33) France	201662420260 P	H01L 23/00
(51) H01L 21/768	(32) 12.09.2017	G06N 10/00
(11) EP3559983	10.11.2016	(11) EP3513434
(21) EP16924501.6	(33) United States of America	(21) EP16775387.0
(47) 13.04.2022	United States of America	(47) 13.04.2022
(87) US2016068583	(51) H01L 27/11	(87) US2016051510
28.06.2018	H01L 27/06	22.03.2018
(22) 23.12.2016	H01L 27/04	(22) 13.09.2016
(54) CONDUCTIVE CAP-BASED APPROACHES FOR CONDUCTIVE VIA FABRICATION AND STRUCTURES RESULTING THEREFROM	H01L 29/06	(54) REDUCING LOSS IN STACKED QUANTUM DEVICES
(73) INTEL Corporation	H01L 29/78	(73) Google LLC
(72) GSTREIN, Florian	H01L 29/775	(72) WHITE, Theodore Charles
WALLACE, Charles H.	H01L 29/66	(51) H01L 27/32
HOURANI, Rami	H01L 29/423	G06F 1/16
TSANG, Chi-Hwa	H01L 29/786	H04R 1/02
HAN, Eunghak	B82Y 10/00	H04R 7/20
CHANDHOK, Manish	(11) EP3581543	H04R 9/06
NYHUS, Paul A.	(21) EP18178065.1	(11) EP3229272
BRAIN, Ruth A.	(47) 13.04.2022	(21) EP16181191.4
(51) H01L 23/00	(22) 15.06.2018	(47) 13.04.2022
G11C 5/14	(54) A SEMICONDUCTOR MEMORY DEVICE COMPRISING STACKED PULL-UP AND PULL-DOWN TRANSISTORS AND A METHOD FOR FORMING SUCH A DEVICE	(22) 26.07.2016
H01L 25/16	(73) IMEC vzw	(54) ORGANIC LIGHT EMITTING DISPLAY DEVICE
H03K 17/06	(72) BOEMMELS, Juergen	(73) LG Display Co., Ltd.
H03K 17/687	WECKX, Pieter	(72) CHOI, YeongRak
(11) EP3734647	RYCKAERT, Julien	LEE, Sungtae
(21) EP19218337.4	(51) H01L 27/146	PARK, KwanHo
(47) 13.04.2022	G01C 3/06	OH, ChangHo
(22) 19.12.2019	G01S 7/481	(31) 20160041384
	G01S 17/89	(32) 05.04.2016
		(33) Korea (Republic)
		(51) H01L 27/32
		H01L 51/56

(11) EP3128557	COUSINS, Peter John	H02H 7/00
(21) EP16183263.9	SMITH, David D	(11) EP3747060
(47) 13.04.2022	(31) 201113028059	(21) EP19702701.4
(22) 08.08.2016	(32) 15.02.2011	(47) 13.04.2022
(54) METHOD OF MANUFACTURING AN ORGANIC LIGHT-EMITTING DISPLAY APPARATUS	(33) United States of America	(87) GB2019050241
(73) Samsung Display Co., Ltd.	(51) H01L 33/00	08.08.2019
(72) CHOE, Wonkyu	G05B 19/418	(22) 30.01.2019
LEE, Duckjung	(11) EP3734672	(54) MONITORING DEVICE FOR CRYOGENIC SYSTEM
(31) 20150111632	(21) EP17936646.3	(73) Tokamak Energy Ltd
(32) 07.08.2015	(47) 13.04.2022	(72) VAN NUGTEREN, Bas
(33) Korea (Republic)	(87) JP2017046468	KRUIP, Marcel
(51) H01L 29/417	04.07.2019	BRITTLES, Greg
H01L 29/786	(22) 25.12.2017	SLADE, Robert
H01L 27/12	(54) PRODUCTION MANAGEMENT APPARATUS	(31) 201812120
H01L 29/66	(73) Fuji Corporation	201801476
H01L 29/423	(72) OHASHI, Teruyuki	(32) 25.07.2018
(11) EP3273485	TAJIMA, Michihiko	30.01.2018
(21) EP15832867.4	KAKO, Tetsuya	(33) United Kingdom
(47) 13.04.2022	(51) H01L 33/20	United Kingdom
(87) CN2015086443	(11) EP3540792	(51) H01L 41/087
22.09.2016	(21) EP19172819.5	G01L 1/16
(22) 10.08.2015	(47) 13.04.2022	H01L 41/09
(54) THIN FILM TRANSISTOR AND MANUFACTURING METHOD THEREFOR, ARRAY SUBSTRATE AND DISPLAY APPARATUS	(22) 16.08.2013	H01L 41/113
(73) BOE Technology Group Co., Ltd.	(54) OPTICAL DEVICE, ARRAY OF SUCH DEVICES AND METHOD OF MAKING AN OPTICAL DEVICE	H01L 41/193
(72) ZHANG, Li	(73) Facebook Technologies, LLC	(11) EP3614445
(31) 201510121068	(72) SHEPHERD, Nick	(21) EP18788433.3
(32) 18.03.2015	(31) 201215632	(47) 13.04.2022
(33) China	(32) 03.09.2012	(87) JP2018016380
(51) H01L 29/778	(33) United Kingdom	25.10.2018
H01L 29/10	(51) H01L 33/64	(22) 20.04.2018
H01L 29/08	(11) EP3254308	(54) PIEZOELECTRIC BASE MATERIAL, FORCE SENSOR, AND ACTUATOR
H01L 29/20	(21) EP16747245.5	(73) Mitsui Chemicals, Inc.
(11) EP3549173	(47) 13.04.2022	(72) YOSHIDA, Mitsunobu
(21) EP18773646.7	(87) US2016016469	TANIMOTO, Kazuhiro
(47) 13.04.2022	11.08.2016	ONISHI, Katsuki
(87) JP2018031463	(22) 03.02.2016	(31) 2017083942
29.08.2019	(54) SYSTEMS FOR COMBINED THERMAL AND ELECTRICAL ENERGY TRANSFER	(32) 20.04.2017
(22) 20.08.2018	(73) CelLink Corporation	(33) Japan
(54) HIGH ELECTRON MOBILITY TRANSISTOR AND METHOD FOR MANUFACTURING HIGH ELECTRON MOBILITY TRANSISTOR	(72) BROWN, Malcolm	(51) H01L 51/46
(73) Mitsubishi Electric Corporation	COAKLEY, Kevin Michael	(11) EP3435436
(72) CHOWDHURY, Nadim	(31) 201662277093 P	(21) EP18185352.4
TEO, Koon Hoo	201562111333 P	(47) 13.04.2022
(31) 201815900867	(32) 11.01.2016	(22) 24.07.2018
(32) 21.02.2018	03.02.2015	(54) MULTILAYER STACK USEFUL AS P LAYER FOR PHOTOVOLTAIC DEVICE
(33) United States of America	(33) United States of America	(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(51) H01L 31/18	United States of America	(72) MANCEAU, Matthieu
H01L 31/0224	(51) H01L 39/14	(31) 1757035
H01L 31/0216	(11) EP3535786	(32) 25.07.2017
H01L 31/068	(21) EP17861177.8	(33) France
(11) EP3758071	(47) 13.04.2022	(51) H01L 51/50
(21) EP20190231.9	(87) US2017050565	(11) EP3537491
(47) 13.04.2022	05.07.2018	(21) EP19161264.7
(22) 20.09.2011	(22) 07.09.2017	(47) 13.04.2022
(54) STRUCTURES FOR FABRICATION OF SOLAR CELLS	(54) SUPERCONDUCTING COIL CONFIGURATION	(22) 07.03.2019
(73) Maxeon Solar Pte. Ltd.	(73) Mevion Medical Systems, Inc.	(54) QUANTUM DOT DEVICE AND ELECTRONIC DEVICE
(72) KIM, Taeseok	(72) AIZED, Dawood	(73) Samsung Electronics Co., Ltd.
WALDHAUER, Ann	SOBCZYNSKI, Stanislaw P.	(72) LEE, Sang Jin
HARLEY, Gabriel	(31) 201615342632	KWON, Ha Il
DENNIS, Tim	(32) 03.11.2016	CHANG, Jaejun
	(33) United States of America	JANG, Eun Joo
	(51) H01L 39/16	CHUNG, Dae Young
		(31) 20190025444
		20180028284

(32) 05.03.2019	(54) ULTRA HIGH DENSITY FLAT PANEL	H01M 10/04
09.03.2018	DISPLAY HAVING HIGH APETURE	H01M 10/0525
(33) Korea (Republic)	RATIO	H01M 10/0585
Korea (Republic)	(73) LG Display Co., Ltd.	H01M 10/42
(51) H01L 51/50	(72) HWANG, Seonghwan	H01L 27/12
H01L 27/32	KIM, Hyunjin	H01M 4/02
(11) EP3321986	(31) 20160139548	(11) EP3101724
(21) EP17199089.8	(32) 25.10.2016	(21) EP16169165.4
(47) 13.04.2022	(33) Korea (Republic)	(47) 13.04.2022
(22) 30.10.2017	(51) H01L 51/52	(22) 11.05.2016
(54) ORGANIC LIGHT EMITTING DIODE	H01L 27/32	(54) SECONDARY BATTERY STRUCTURE
AND ORGANIC LIGHT EMITTING	H01L 51/50	AND SYSTEM, AND METHODS OF
DIODE DISPLAY DEVICE INCLUDING	(11) EP3171422	MANUFACTURING AND OPERATING
THE SAME	(21) EP16170570.2	THE SAME
(73) LG Display Co., Ltd.	(47) 13.04.2022	(73) Samsung Electronics Co., Ltd.
(72) KIM, Sung-Moo	(22) 20.05.2016	(72) SHIM, Jeouyoung
BAE, Kyoung-Ji	(54) ORGANIC LIGHT EMITTING DISPLAY	PARK, Gyeongsu
(31) 20160150542	APPARATUS	KIM, Heegoo
(32) 11.11.2016	(73) LG Display Co., Ltd.	LEE, Jooho
(33) Korea (Republic)	(72) PARK, JinHo	JEON, Woosung
(51) H01L 51/50	(31) 20150161112	LEE, Jaewoo
H01L 51/54	(32) 17.11.2015	(31) 20150078664
(11) EP3241251	(33) Korea (Republic)	(32) 03.06.2015
(21) EP15820242.4	(51) H01L 51/56	(33) Korea (Republic)
(47) 13.04.2022	H01L 27/32	(51) H01M 4/38
(87) GB2015054172	H01L 27/12	H01M 4/134
07.07.2016	(11) EP3399551	H01M 4/58
(22) 29.12.2015	(21) EP16874087.6	(11) EP3680967
(54) LIGHT EMITTING ELECTROCHEMICAL	(47) 13.04.2022	(21) EP17924182.3
CELLS AND COMPOUNDS	(87) CN2016105458	(47) 13.04.2022
(73) University Court of The University of St	06.07.2017	(87) JP2017032121
Andrews	(22) 11.11.2016	14.03.2019
(72) ZYSMAN-COLMAN, Eli	(54) METHOD FOR PREPARING OLED	(22) 06.09.2017
WONG, Michael Yin	DISPLAY DEVICE	(54) NEGATIVE ELECTRODE ACTIVE
(31) 201507337	(73) BOE Technology Group Co., Ltd.	MATERIAL FOR ELECTRICAL
201423289	(72) ZI, Yubao	DEVICES, METHOD FOR PRODUCING
(32) 29.04.2015	WANG, Xiyuan	SAME, AND ELECTRICAL DEVICE
29.12.2014	PENG, Yuqing	USING THIS ACTIVE MATERIAL
(33) United Kingdom	(31) 201511030805	(73) Nissan Motor Co., Ltd.
United Kingdom	(32) 31.12.2015	(72) ARAI, Masaya
(51) H01L 51/50	(33) China	WATANABE, Manabu
H01L 51/54	(51) H01M 4/13	CHIBA, Nobutaka
H01L 51/56	H01M 4/70	YOSHIOKA, Youichi
(11) EP3419070	H01G 9/07	(51) H01M 8/04082
(21) EP16876957.8	H01G 11/28	H01M 8/24
(47) 13.04.2022	H01G 11/36	H01M 8/0432
(87) CN2016107830	B82Y 99/00	H01M 8/04701
24.08.2017	(11) EP2850678	H01M 8/04746
(22) 30.11.2016	(21) EP13791548.4	H01M 8/04089
(54) QUANTUM DOT LIGHT-EMITTING	(47) 13.04.2022	H01M 8/124
DEVICE	(87) FI2013050408	H01M 8/2432
(73) BOE Technology Group Co., Ltd.	21.11.2013	H01M 8/2483
(72) HE, Yuedi	(22) 15.04.2013	H01M 8/2484
SUN, Jie	(54) AN APPARATUS AND ASSOCIATED	H01M 8/249
LI, Yanzhao	METHODS	H01M 8/2485
KRISTAL, Boris	(73) Lyten, Inc.	H01M 8/04664
(31) 201610237544	(72) ROUVALA, Markku	H01M 8/04014
201610091388	LIU, Yinglin	H01M 8/12
(32) 15.04.2016	HIRALAL, Pritesh	(11) EP2860804
18.02.2016	RYHÄNEN, Tapani	(21) EP14175402.8
(33) China	ANDREW, Piers	(47) 13.04.2022
China	(31) 201213475190	(22) 02.07.2014
(51) H01L 51/52	(32) 18.05.2012	(54) Device and method for heating fuel cell
H01L 27/32	(33) United States of America	stack and fuel cell system having the
(11) EP3316330	(51) H01M 4/131	device
(21) EP17198254.9	H01M 4/505	(73) SK Innovation Co., Ltd.
(47) 13.04.2022	H01M 4/525	(72) Wu, Seong Je
(22) 25.10.2017	H01M 6/40	Lee, Jeong Pyo

Kim, Young Dae	(72) KOGA, Eiichi	(31) 106142428
(31) 20130121490	MORIOKA, Kazuhiro	(32) 04.12.2017
(32) 11.10.2013	TSUTSUI, Yasutaka	(33) Taiwan, Province of China
(33) Korea (Republic)	(31) 2017143358	(51) H01M 10/48
(51) H01M 8/1058	(32) 25.07.2017	G01R 31/36
H01M 8/1053	(33) Japan	H02J 7/00
H01M 8/1062	(51) H01M 10/0562	H01M 10/06
H01M 8/0241	C01F 17/00	H01M 10/30
H01M 8/0245	C01G 25/04	H01M 10/34
H01M 8/1004	H01B 1/06	(11) EP3719917
H01M 8/18	H01M 4/62	(21) EP18896407.6
H01M 8/0243	H01M 10/052	(47) 13.04.2022
H01M 8/1032	C01F 17/36	(87) JP2018047801
H01M 8/106	C01B 25/14	04.07.2019
H01M 8/1069	C01G 25/00	(22) 26.12.2018
H01M 8/1018	(11) EP3745518	(54) CHARGEABLE BATTERY
(11) EP3605691	(21) EP18902103.3	ABNORMALITY DETECTION
(21) EP18774623.5	(47) 13.04.2022	APPARATUS AND CHARGEABLE
(47) 13.04.2022	(87) JP2018045586	BATTERY ABNORMALITY DETECTION
(87) KR2018002580	01.08.2019	METHOD
04.10.2018	(22) 12.12.2018	(73) FURUKAWA ELECTRIC CO., LTD.
(22) 05.03.2018	(54) BATTERY	Furukawa Automotive Systems Inc.
(54) ION EXCHANGE MEMBRANE,	(73) Panasonic Intellectual Property	(72) OONO, Akira
MANUFACTURING METHOD	Management Co., Ltd.	FUJISAWA, Kimiko
THEREFOR, AND ENERGY STORAGE	(72) SUGIMOTO, Yuta	(31) 2017250448
DEVICE COMPRISING SAME	MIYAZAKI, Akinobu	(32) 27.12.2017
(73) Kolon Industries, Inc.	SASAKI, Izuru	(33) Japan
(72) KIM, Na-Young	SAKAI, Akihiro	(51) H01M 10/613
LEE, Eun-Su	(31) 2018011528	H01M 10/625
YUM, Seung-Jib	(32) 26.01.2018	H01M 10/653
LEE, Dong-Hoon	(33) Japan	H01M 10/6552
(31) 20170041699	(51) H01M 10/42	(11) EP3772770
(32) 31.03.2017	H01M 10/44	(21) EP20189402.9
(33) Korea (Republic)	G01R 31/36	(47) 13.04.2022
(51) H01M 10/04	H01M 10/48	(22) 04.08.2020
H01M 10/0583	(11) EP3700002	(54) VEHICLE BATTERY PACK
H01M 10/42	(21) EP20157610.5	(73) Suzuki Motor Corporation
H01M 4/66	(47) 13.04.2022	(72) SAGUCHI, Koichi
H01M 50/10	(22) 17.02.2020	IWASAKI, Takashi
H01M 50/572	(54) ELECTRONIC DEVICE AND STATE	(31) 2019146741
(11) EP3754773	DETERMINATION METHOD OF	(32) 08.08.2019
(21) EP20189372.4	ELECTRONIC DEVICE	(33) Japan
(47) 13.04.2022	(73) Mitsumi Electric Co., Ltd.	(51) H01M 10/617
(22) 04.05.2018	(72) SUGAYA, Takayuki	(11) EP3550663
(54) SECONDARY BATTERY	(31) 2019030124	(21) EP17870630.5
(73) LG Energy Solution, Ltd.	(32) 22.02.2019	(47) 13.04.2022
(72) YUN, Su Hyun	(33) Japan	(87) CN2017112824
KIM, Ki Woong	(51) H01M 10/44	07.06.2018
KANG, Kyoung Won	H01M 10/48	(22) 24.11.2017
OH, Jung Shik	H02J 7/00	(54) UNMANNED AERIAL VEHICLE,
(31) 20170086050	G01R 31/36	BATTERY MODULE, AND CHARGING
(32) 06.07.2017	G01R 31/382	CONTROL METHOD
(33) Korea (Republic)	G01R 31/3832	(73) Guangzhou Xaircraft Technology Co.,
(51) H01M 10/052	G01R 31/389	Ltd.
H01M 10/0562	G01R 31/392	(72) XIAO, Dingfeng
H01M 10/0585	(11) EP3493321	WEN, Haijun
H01M 10/617	(21) EP17210300.4	(31) 201611102180
H01M 10/647	(47) 13.04.2022	201621321874 U
H01M 10/652	(22) 22.12.2017	(32) 02.12.2016
H01M 10/653	(54) METHOD AND SYSTEM FOR	02.12.2016
H01M 10/654	DETERMINING DISCHARGING	(33) China
(11) EP3435467	PROCESS OF BATTERY	China
(21) EP18182538.1	(73) Industrial Technology Research Institute	(51) H01M 50/10
(47) 13.04.2022	(72) Ling, Shou-Hung	H01M 10/48
(22) 09.07.2018	Huang, Mao-Cheng	H01M 50/116
(54) BATTERY	Chiueh, Tzi-Cker	H01M 50/183
(73) Panasonic Intellectual Property	Shieh, Deng-Tswen	H01M 50/531
Management Co., Ltd.	Liang, Shih-Hao	H01M 50/543

H01M 50/557	H01M 50/457	GERNETH, Christian
H01M 50/572	H01M 10/052	(31) 102016115087
H01M 50/578	H01M 10/058	(32) 15.08.2016
H01M 10/0525	(11) EP3058607	(33) Germany
(11) EP3544089	(21) EP14853525.5	(51) H01Q 1/22
(21) EP18854422.5	(47) 13.04.2022	H01L 23/66
(47) 13.04.2022	(87) US2014060656	H01L 25/10
(87) KR2018009137	23.04.2015	(11) EP3486999
14.03.2019	(22) 15.10.2014	(21) EP19150523.9
(22) 09.08.2018	(54) POLYMER-BOUND CERAMIC	(47) 13.04.2022
(54) POUCH-TYPE SECONDARY BATTERY	PARTICLE BATTERY SEPARATOR	(22) 22.12.2017
(73) LG Energy Solution, Ltd.	COATING	(54) PACKAGED DEVICES WITH
(72) PARK, Jong Pil	(73) Miltec UV International, LLC	INTEGRATED ANTENNAS
CHOI, Seung Don	(72) FASOLO, Joe	(73) Analog Devices, Inc.
(31) 20170114613	VOELKER, Gary E.	(72) SENGUPTA, Dipak
(32) 07.09.2017	ARNOLD, Dr. John	KOOK, Youn-Jae
(33) Korea (Republic)	(31) 201414335367	KIM, Yeonsung
(51) H01M 50/10	201361892885 P	(31) 201615396107
H01M 50/109	(32) 18.07.2014	(32) 30.12.2016
(11) EP3491682	18.10.2013	(33) United States of America
(21) EP17748414.4	(33) United States of America	(51) H01Q 1/22
(47) 13.04.2022	United States of America	H01Q 1/40
(87) EP2017068089	(51) H01M 50/463	H01Q 19/06
01.02.2018	H01M 10/0585	H01Q 9/04
(22) 18.07.2017	H01M 10/052	H01Q 9/06
(54) ELECTROCHEMICAL CELL AND	H01M 10/04	H01Q 9/28
DEVICE WITH THE CELL	(11) EP3453068	H01Q 15/08
(73) VARTA Microbattery GmbH	(21) EP17732630.3	H01Q 25/00
(72) FISCHER, Claus-Christian	(47) 13.04.2022	(11) EP3547441
ERNSPERGER, Jürgen	(87) US2017030422	(21) EP19158092.7
BRENNER, Rolf	09.11.2017	(47) 13.04.2022
HALD, Rainer	(22) 01.05.2017	(22) 19.02.2019
GAUGLER, Winfried	(54) BATTERY LITHIUM CLUSTER	(54) ANTENNA DEVICE, MANHOLE COVER
KREIDLER, Bernd	GROWTH CONTROL	EQUIPPED WITH ANTENNA DEVICE,
KILIBARDA, Goran	(73) Cardiac Pacemakers, Inc.	AND POWER DISTRIBUTION PANEL
(31) 16181240	(72) VEDOY, Arild	EQUIPPED WITH SAME
(32) 26.07.2016	(31) 201662330317 P	(73) Hitachi, Ltd.
(33) European Patent Office (EPO)	(32) 02.05.2016	(72) OONISHI, Masami
(51) H01M 50/129	(33) United States of America	MIZUGAKI, Kenichi
H01M 50/116	(51) H01P 1/36	FUJIWARA, Ryosuke
H01M 10/0585	H01P 1/387	KATAYAMA, Rintaro
H01M 10/0562	(11) EP3322026	(31) 2018032980
H01M 10/0525	(21) EP17200880.7	(32) 27.02.2018
H01M 10/04	(47) 13.04.2022	(33) Japan
H01M 6/18	(22) 09.11.2017	(51) H01Q 1/27
H01M 6/40	(54) NON-RECIPROCAL CIRCUIT DEVICE	(11) EP3089263
H01M 50/105	AND COMMUNICATION APPARATUS	(21) EP15165568.5
(11) EP3840110	USING THE SAME	(47) 13.04.2022
(21) EP20189732.9	(73) TDK Corporation	(22) 29.04.2015
(47) 13.04.2022	(72) OHATA, Hidenori	(54) PORTABLE DIRECTIONAL ANTENNA,
(22) 28.06.2018	NAKAMURA, Junichi	MEASURING ASSEMBLY AND
(54) ENCAPSULATION SYSTEM FOR	(31) 2016221267	MEASURING METHOD
ELECTRONIC COMPONENTS AND	(32) 14.11.2016	(73) Rohde & Schwarz GmbH & Co. KG
BATTERIES	(33) Japan	(72) Hirsch, Martin
(73) I-TEN	(51) H01Q 1/12	(51) H01Q 1/28
(72) GABEN, Fabien	F16B 41/00	H01Q 15/16
(31) 1853930	H01Q 1/32	G02B 5/10
1756364	H01Q 1/42	(11) EP3111508
1756079	(11) EP3497746	(21) EP15710025.6
(32) 07.05.2018	(21) EP17751768.7	(47) 13.04.2022
06.07.2017	(47) 13.04.2022	(87) US2015016059
29.06.2017	(87) EP2017070609	03.09.2015
(33) France	22.02.2018	(22) 16.02.2015
France	(22) 14.08.2017	(54) MESH REFLECTOR WITH TRUSS
France	(54) ROOF ANTENNA WITH LATCHING	STRUCTURE
(51) H01M 50/403	ROTARY CROSS	(73) Northrop Grumman Systems Corporation
H01M 50/446	(73) Hirschmann Car Communication GmbH	(72) MOBREM, Mehran
H01M 50/451	(72) AMLER, Ralf	(31) 201414191052

(32) 26.02.2014	(32) 29.10.2018	(31) 2020044988
(33) United States of America	(33) Japan	(32) 16.03.2020
(51) H01Q 1/52	(51) H01R 4/48	(33) Japan
H01Q 5/307	H01R 9/26	(51) H01R 13/405
H01Q 1/38	H01R 25/14	H01R 13/502
H01Q 1/22	H02B 1/21	H01R 13/52
H01Q 9/04	(11) EP3320583	H01R 13/53
H01Q 21/28	(21) EP16734710.3	H01R 4/34
(11) EP3462539	(47) 13.04.2022	H01R 11/07
(21) EP17890832.3	(87) EP2016065974	(11) EP3772781
(47) 13.04.2022	12.01.2017	(21) EP20189153.8
(87) CN2017105615	(22) 06.07.2016	(47) 13.04.2022
14.02.2019	(54) CONNECTION TERMINAL	(22) 03.08.2020
(22) 11.10.2017	(73) Phoenix Contact GmbH & Co. KG	(54) ELECTRICAL CONNECTOR
(54) MULTIFUNCTIONAL GNSS ANTENNA	(72) GEBHARDT, Martin	(73) YAZAKI CORPORATION
(73) HAXON CORPORATION	(31) 102015110874	(72) TAKAHASHI, Kazuhide
(72) WU, Shiwei	(32) 06.07.2015	AOKI, Eiji
WANG, Xiaohui	(33) Germany	(31) 2019145185
ZHANG, Jie	(51) H01R 9/05	(32) 07.08.2019
WU, Wenping	H01R 9/00	(33) Japan
(31) 201720983178 U	H01R 13/00	(51) H01R 13/502
(32) 08.08.2017	B25B 13/06	H01R 13/52
(33) China	B25B 23/14	G02B 6/36
(51) H01Q 21/24	B25B 13/10	(11) EP3567684
H01Q 19/10	B25B 13/48	(21) EP19160079.0
H01Q 1/24	H01R 43/26	(47) 13.04.2022
H01Q 5/385	(11) EP3507867	(22) 28.02.2019
H01Q 5/49	(21) EP17847191.8	(54) CONNECTOR PART
H01Q 9/16	(47) 13.04.2022	(73) Neutrik AG
H01Q 21/29	(87) US2017046621	(72) Koch, Matthias
(11) EP3739687	08.03.2018	Zechmann, Kevin
(21) EP20164590.0	(22) 11.08.2017	(31) 202018102532 U
(47) 13.04.2022	(54) EXPANDABLE CABLE CONNECTOR	(32) 07.05.2018
(22) 27.06.2013	TORQUE ADAPTER	(33) Germany
(54) ANTENNA RADIATION ELEMENT AND	(73) Steren Electronics International, LLC	(51) H01R 13/523
ANTENNA	(72) CLARK, Brandon	H01R 13/53
(73) Huawei Technologies Co. Ltd.	BLAKE, Joshua	H01R 4/20
(72) TANG, Tao	(31) 201615252027	H02G 15/14
HOU, Xiaoqiang	(32) 30.08.2016	H02G 1/10
XIE, Guoqing	(33) United States of America	H01R 13/6592
(51) H01R 4/18	(51) H01R 13/03	H01R 4/18
H01R 43/02	H01R 43/16	(11) EP3062400
H01R 43/048	C25D 5/48	(21) EP16159586.3
H01R 4/62	C25D 7/00	(47) 13.04.2022
H01R 11/16	(11) EP3227969	(22) 30.05.2014
H01R 4/02	(21) EP15766792.4	(54) UNDERWATER CONNECTING
(11) EP3863120	(47) 13.04.2022	APPARATUS AND ASSEMBLY
(21) EP21155985.1	(87) EP2015071276	(73) Siemens Energy Global GmbH & Co. KG
(47) 13.04.2022	09.06.2016	(72) PLANT, Christopher
(22) 09.02.2021	(22) 17.09.2015	LEWIN, Richard
(54) ELECTRIC WIRE CONNECTION	(54) METHOD FOR PRODUCING AN	(31) 13170455
STRUCTURE AND CONNECTION	ELECTRIC CONNECTION PART	(32) 04.06.2013
METHOD	(73) Auto-Kabel Management GmbH	(33) European Patent Office (EPO)
(73) Yazaki Corporation	(72) DÖREN, Jens	(51) H01R 27/00
(72) Adachi, Hideki	LORENZ, Thomas	H01R 31/06
(31) 2020020624	(31) 102014017886	(11) EP3535816
(32) 10.02.2020	(32) 04.12.2014	(21) EP17804452.5
(33) Japan	(33) Germany	(47) 13.04.2022
(51) H01R 4/18	(51) H01R 13/11	(87) EP2017077969
H01R 43/16	H01R 4/18	11.05.2018
(11) EP3648253	H01R 13/422	(22) 01.11.2017
(21) EP19197263.7	(11) EP3883063	(54) COMPACT, GROUNDABLE TRAVEL
(47) 13.04.2022	(21) EP21162012.5	PLUG ADAPTER
(22) 13.09.2019	(47) 13.04.2022	(73) Travel Blue Ltd.
(54) CRIMP CONNECTION TERMINAL	(22) 11.03.2021	(72) BARNETT, Alasdair Max Paul
(73) Delta Plus Co., Ltd.	(54) CONNECTION TERMINAL	NORMAN, Richard Albert
(72) AMBO, Tsugio	(73) Yazaki Corporation	HUTCHISON, Bruce Stanley John
(31) 2018202968	(72) IKEDA, Yukiyoishi	(31) 16196762

(32) 01.11.2016	(11) EP3113304	(11) EP3007294
(33) European Patent Office (EPO)	(21) EP15754718.3	(21) EP14804991.9
(51) H01R 43/00	(47) 13.04.2022	(47) 13.04.2022
H01R 13/52	(87) JP2015055161	(87) CN2014075267
B29C 70/74	03.09.2015	04.12.2014
H01B 17/58	(22) 24.02.2015	(22) 14.04.2014
H01R 43/24	(54) THERMAL-RADIATION LIGHT SOURCE	(54) DIFFERENTIAL PROTECTION
B29C 45/14	AND TWO-DIMENSIONAL PHOTONIC	METHOD FOR CURRENT SOURCE
H01R 4/70	CRYSTAL USED THEREIN	CONVERTER, AND RELAY
H01R 13/405	(73) Japan Science and Technology Agency	PROTECTION DEVICE
(11) EP3902071	(72) ASANO, Takashi	(73) NR Engineering Co., Ltd
(21) EP21169598.6	NODA, Susumu	NR Electric Co., Ltd.
(47) 13.04.2022	DE ZOYSA, Menaka	(72) ZHANG, Qixue
(22) 21.04.2021	INOUE, Takuya	LIU, Weiqun
(54) MOLDING METHOD OF WATERPROOF	(31) 2014039298	CHEN, Jun
MEMBER FOR A COATED ELECTRIC	(32) 28.02.2014	SHEN, Quanrong
WIRE	(33) Japan	YAN, Wei
(73) Yazaki Corporation	(51) H01S 5/12	YAN, Wei
(72) Yamada, Masatoshi	H01S 5/343	SHI, Xiangjian
Ooishi, Madoka	H01S 5/34	WANG, Guang
Tamano, Masayuki	H01S 5/187	(31) 201310210288
Kitagawa, Hiroki	(11) EP3432427	(32) 30.05.2013
Tanaka, Yasuhiro	(21) EP16894487.4	(33) China
Tsutagawa, Yusuke	(47) 13.04.2022	(51) H02H 9/02
Higashitani, Masanobu	(87) JP2016075676	H02H 3/08
(31) 2020077398	21.09.2017	H02H 3/02
(32) 24.04.2020	(22) 01.09.2016	(11) EP3343715
(33) Japan	(54) DISTRIBUTED-FEEDBACK	(21) EP16901907.2
(51) H01S 3/067	SEMICONDUCTOR LASER	(47) 13.04.2022
G02B 6/43	(73) Kabushiki Kaisha Toshiba	(87) CN2016107489
B23K 26/00	(72) SAITO, Shinji	03.05.2018
B23K 26/06	TSUMURA, Akira	(22) 28.11.2016
B23K 101/34	YAMANE, Osamu	(54) SHORT-CIRCUIT FAILURE CURRENT
B23K 103/04	KAKUNO, Tsutomu	LIMITER
B23K 103/08	(31) 2016051668	(73) Huazhong University of Science and
B23K 103/10	(32) 15.03.2016	Technology
B23K 103/14	(33) Japan	Guangzhou Power Supply Co. Ltd.
B23K 26/21	(51) H02G 3/06	(72) HE, Junjia
B23K 26/0622	H02G 3/22	MO, Wenxiong
G02B 6/26	H02G 15/013	WU, Kaijian
(11) EP3180823	(11) EP3598593	PAN, Yuan
(21) EP15832461.6	(21) EP18184869.8	YUAN, Zhao
(47) 13.04.2022	(47) 13.04.2022	WANG, Yong
(87) US2015045037	(22) 21.07.2018	SU, Haibo
18.02.2016	(54) CABLE CONNECTION	LIU, Junxiang
(22) 13.08.2015	(73) Lapp Engineering AG	YUAN, Fating
(54) MULTIBEAM FIBER LASER SYSTEM,	(72) Dokoupil, Hynek	CHEN, Lixue
METHOD AND USE	(51) H02G 3/08	(31) 201610957240
(73) IPG Photonics Corporation	E04B 1/76	(32) 27.10.2016
(72) SHCHERBAKOV, Eugene	G02B 6/44	(33) China
FOMIN, Valentin	G02B 6/50	(51) H02J 1/10
MAMEROW, Holger	E04F 21/08	H02J 3/38
YAGODKIN, Dimitri	F16L 5/02	H02J 7/00
ABRAMOV, Andrey	G02B 6/42	(11) EP3766154
(31) 201462036740 P	G02B 6/52	(21) EP19730259.9
(32) 13.08.2014	(11) EP3624284	(47) 13.04.2022
(33) United States of America	(21) EP19190457.2	(87) EP2019061509
(51) H01S 5/04	(47) 13.04.2022	05.12.2019
H01S 5/12	(22) 07.08.2019	(22) 06.05.2019
H01S 5/18	(54) DEVICE FOR GUIDING A SPEEDPIPE	(54) ELECTRICAL POWER SUPPLY
H01S 5/34	THROUGH A WALL OPENING	NETWORK AND OPERATION
H01S 5/00	(73) Langmatz GmbH	THEREOF
H01S 5/02	(31) 102018007251	(73) Siemens Energy Global GmbH & Co. KG
H01S 5/024	(32) 14.09.2018	(72) MARX, Walter
H01S 5/042	(33) Germany	(31) 102018208619
H01S 5/10	(51) H02H 3/34	(32) 30.05.2018
H01S 5/11	H02H 3/30	(33) Germany
H01S 5/30	H02H 7/12	(51) H02J 1/10

H02J 3/38	Garufi, Massimo	(33) Germany
H02J 7/34	(51) H02J 7/00	(51) H02J 7/14
(11) EP3345275	H01H 1/00	H02J 7/16
(21) EP16842852.2	H02J 3/24	H02J 7/24
(47) 13.04.2022	H02J 7/02	H02J 7/00
(87) US2016049572	H05B 47/19	(11) EP3520196
09.03.2017	(11) EP3696937	(21) EP17743021.2
(22) 31.08.2016	(21) EP19200593.2	(47) 13.04.2022
(54) METHOD AND APPARATUS FOR CONTROLLING ENERGY FLOW BETWEEN DISSIMILAR ENERGY STORAGE DEVICES	(47) 13.04.2022	(87) EP2017068618
(73) Faith Technologies, Inc.	(22) 30.09.2019	05.04.2018
(72) LAUBENSTEIN, Thomas, A. COAD, Nathan	(54) WIRELESS CONTROL SWITCH AND WIRELESS CONTROL METHOD	(22) 24.07.2017
(31) 201514844742	(73) Beijing Xiaomi Mobile Software Co., Ltd.	(54) VOLTAGE CONTROLLER OF A GENERATOR
(32) 03.09.2015	(72) ZHANG, Yanlu	(73) Robert Bosch GmbH
(33) United States of America	ZHANG, He	(72) KNOBELSPIES, Christoph
	(31) 201910122674	(31) 102016218798
	(32) 15.02.2019	(32) 29.09.2016
	(33) China	(33) Germany
(51) H02J 3/06	(51) H02J 7/00	(51) H02J 50/00
(11) EP3664243	H02J 50/10	H02J 50/50
(21) EP18210099.0	H02J 50/40	(11) EP3447885
(47) 13.04.2022	H02J 50/80	(21) EP17187923.2
(22) 04.12.2018	H02J 50/90	(47) 13.04.2022
(54) PREDICTIVE PLANNING IN A MICRONETWORK USING HIGH LOAD TIME WINDOWS OF A MAIN POWER NETWORK	(11) EP3758187	(22) 25.08.2017
(73) Siemens Aktiengesellschaft	(21) EP20179942.6	(54) A SYSTEM FOR HARVESTING ENERGY.
(72) Seydenschwanz, Martin	(47) 13.04.2022	(73) Vestel Elektronik Sanayi ve Ticaret A.S.
	(22) 04.10.2012	(72) KURT, Olkan
(51) H02J 3/14	(54) WIRELESS POWER TRANSMITTING APPRATUS AND METHOD THEREOF	(51) H02J 50/12
G05F 1/70	(73) GE Hybrid Technologies, LLC	(11) EP2309620
H02J 3/01	(72) Jung, Chun-Kil	(21) EP10013386.7
H02J 3/18	(31) 20110100617	(47) 13.04.2022
(11) EP3611816	(32) 04.10.2011	(22) 06.10.2010
(21) EP18791305.8	(33) Korea (Republic)	(54) Wireless power feeder and wireless power transmission system
(47) 13.04.2022	(51) H02J 7/02	(73) TDK Corporation
(87) JP2018017324	H02M 3/155	(72) Urano, Takashi
01.11.2018	(11) EP3682525	(31) 2010151649
(22) 27.04.2018	(21) EP18782782.9	2009233675
(54) POWER FACTOR CONTROL SYSTEM, PHASE MODIFYING DEVICE, AND ACTIVE FILTER DEVICE	(47) 13.04.2022	(32) 02.07.2010
(73) Daikin Industries, Ltd.	(87) FR2018052232	07.10.2009
(72) KAWASHIMA Reiji	21.03.2019	(33) Japan
FUJITA Takayuki	(22) 12.09.2018	Japan
KONO Masaki	(54) VEHICLE CHARGER COMPRISING A DC/DC CONVERTER	(51) H02J 50/12
(31) 2017089215	(73) Valeo Systèmes De Contrôle Moteur	H02M 7/219
2017089214	(72) BAUDESSON, Philippe	(11) EP3111530
2017089213	(31) 1758459	(21) EP15707516.9
2017089212	(32) 12.09.2017	(47) 13.04.2022
(32) 28.04.2017	(33) France	(87) US2015016951
28.04.2017	(51) H02J 7/14	27.08.2015
28.04.2017	B60R 16/03	(22) 20.02.2015
28.04.2017	H01M 6/36	(54) IMPEDANCE MATCHING FOR INDUCTIVE POWER TRANSFER SYSTEMS
(33) Japan	H02J 7/34	(73) Apple Inc.
Japan	H02J 9/06	(72) HERBST, Steven G.
Japan	H02J 15/00	TERLIZZI, Jeffrey J.
Japan	(11) EP3637580	MOYER, Todd K.
	(21) EP19201761.4	RITTER, David W.
(51) H02J 3/38	(47) 13.04.2022	ALVES, Jeffrey M.
(11) EP3322063	(22) 07.10.2019	(31) 201461943478 P
(21) EP16198831.6	(54) POWER SUPPLY SYSTEM FOR A CONSUMER UNIT AND METHOD FOR SUPPLYING POWER TO A CONSUMER UNIT	(32) 23.02.2014
(47) 13.04.2022	(73) Diehl Stiftung & Co. KG	(33) United States of America
(22) 15.11.2016	(72) Westphal, Robert	(51) H02J 50/60
(54) A MULTI-CHANNEL INVERTER FOR A PHOTOVOLTAIC APPARATUS	(31) 102018008072	H02J 50/12
(73) MARICI Holdings The Netherlands B.V.	(32) 11.10.2018	(11) EP3654492
(72) Macerini, Sauro		(21) EP19204279.4
Borgogni, Marco		

(47) 13.04.2022	CHEN, Bin	(47) 13.04.2022
(22) 21.10.2019	HU, Yusheng	(87) EP2013001275
(54) WIRELESS POWER TRANSMITTING	(31) 201510287956	07.11.2013
DEVICE	(32) 29.05.2015	(22) 29.04.2013
(73) LG Electronics Inc.	(33) China	(54) ELECTRIC MOTOR
(72) LEE, Seong Hun	(51) H02K 1/27	(73) Sew-Eurodrive GmbH & Co. KG
LEE, Eunsoo	H01F 13/00	(72) HETTEL, Domenik
KWON, Jaesoon	(11) EP3355441	ZELLER, Peter
CHOI, Hyengcheul	(21) EP16847836.0	GÜNNEL, Gabriel
CHAE, Beom Seok	(47) 13.04.2022	PARTHEYMÜLLER, Alexander
PARK, Sooyong	(87) CN2016084524	SAUMER, Daniel
KIM, Hwanyong	30.03.2017	(31) 102012008651
(31) 20180142104	(22) 02.06.2016	(32) 03.05.2012
(32) 16.11.2018	(54) ELECTRIC MOTOR AND TANGENTIAL	(33) Germany
(33) Korea (Republic)	TYPE PERMANENT MAGNET ROTOR	(51) H02K 5/06
(51) H02K 1/18	THEREOF	H02K 5/22
H02K 1/20	(73) Gree Electric Appliances, Inc. of Zhuhai	B23K 26/18
H02K 1/14	(72) HU, Yusheng	B23K 26/282
(11) EP3806287	XIAO, Yong	H02K 5/10
(21) EP20200707.6	CHEN, Bin	H02K 5/15
(47) 13.04.2022	(31) 201510622376	H02K 15/14
(22) 08.10.2020	(32) 24.09.2015	B23K 101/36
(54) ELECTRIC-MACHINE STATOR	(33) China	B23K 101/06
LAMINATION, ELECTRIC-MACHINE	(51) H02K 1/27	(11) EP3625877
STATOR IRON CORE AND ELECTRIC	H02K 15/02	(21) EP18725811.6
MACHINE	H02K 15/03	(47) 13.04.2022
(73) Jing-Jin Electric Technologies Co., Ltd.	B60L 50/51	(87) EP2018062644
(72) YU, Ping	(11) EP2136454	22.11.2018
SU, Yixue	(21) EP08751826.2	(22) 16.05.2018
LI, Baojiang	(47) 13.04.2022	(54) ELECTRIC MACHINE AND METHOD
CHENG, Yi	(87) JP2008056530	OF PRODUCTION
WANG, Haibin	06.11.2008	(73) Robert Bosch GmbH
(31) 201910959949	(22) 26.03.2008	(72) DOMMSCH, Hans-Peter
(32) 10.10.2019	(54) ROTOR, ITS MANUFACTURING	MEYER, Christian
(33) China	METHOD, AND ELECTRIC VEHICLE	STUBNER, Armin
(51) H02K 1/27	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	GMUEND, Torsten
(11) EP2973954	(72) TAKEUCHI, Taketo	GOG, Matthias
(21) EP14702823.7	MIZUTANI, Tatsuhiko	(31) 102018205099
(47) 13.04.2022	(31) 2007104749	102017208470
(87) EP2014052025	(32) 12.04.2007	(32) 05.04.2018
18.09.2014	(33) Japan	19.05.2017
(22) 03.02.2014	(51) H02K 3/38	(33) Germany
(54) DRIVE FOR A TRANSPORT DEVICE,	H02K 3/52	Germany
SET OF DRIVES AND METHOD FOR	H02K 1/18	(51) H02K 5/10
DRIVING A TRANSPORT DEVICE	H02K 15/095	B60K 7/00
(73) Kronos AG	H02K 3/28	B60L 15/00
(72) KAHL, Reiner	H02K 15/00	H02K 7/14
HÜTTNER, Johann	H02K 15/02	B60K 11/08
LAUTENSCHLAGER, Franz	(11) EP3682530	F21V 31/03
DAVIDSON, Hartmut	(21) EP18785828.7	(11) EP3223399
VIERHEILIG, Johannes	(47) 13.04.2022	(21) EP15860099.9
SEGER, Martin	(87) EP2018074084	(47) 13.04.2022
(31) 102013204436	21.03.2019	(87) JP2015082568
(32) 14.03.2013	(22) 07.09.2018	26.05.2016
(33) Germany	(54) STATOR FOR AN ELECTRIC MACHINE,	(22) 19.11.2015
(51) H02K 1/27	AN ELECTRIC MACHINE AND	(54) DRIVE DEVICE AND VENTILATION
(11) EP3306785	METHOD FOR MANUFACTURING OF A	MEMBER
(21) EP16802504.7	SUCH STATOR	(73) Nitto Denko Corporation
(47) 13.04.2022	(73) Robert Bosch GmbH	(72) MATSUSHIMA, Ryoichi
(87) CN2016083586	(72) CSOTI, Janos Tamas	MASAKI, Toshiaki
08.12.2016	DEVERMANN, Thomas	FURUUCHI, Koji
(22) 27.05.2016	KOCH, Roman	KUSUURA, Takahisa
(54) PERMANENT MAGNET MOTOR	(31) 102017216084	HAYAMA, Hideki
ROTOR AND PERMANENT MAGNET	(32) 12.09.2017	(31) 2014234903
SYNCHRONOUS MOTOR	(33) Germany	(32) 19.11.2014
(73) Gree Green Refrigeration Technology	(51) H02K 3/52	(33) Japan
Center Co. Ltd. of Zhuhai	(11) EP2845297	(51) H02K 5/10
(72) XIAO, Yong	(21) EP13719735.6	H02K 5/22

H02K 7/116	MASCHKE, Matthias	(31) 201113190306
H02K 5/16	STRÖBEL, Wolfgang	(32) 25.07.2011
B60T 13/74	(31) 102015105377	(33) United States of America
H02K 5/15	(32) 09.04.2015	(51) H02M 3/335
H02K 5/173	(33) Germany	H02M 1/36
(11) EP3337015	(51) H02K 17/16	H02M 1/00
(21) EP16846790.0	(11) EP3249790	(11) EP3278439
(47) 13.04.2022	(21) EP15878699.6	(21) EP15843022.3
(87) KR2016009997	(47) 13.04.2022	(47) 13.04.2022
23.03.2017	(87) JP2015051220	(87) US2015050535
(22) 07.09.2016	28.07.2016	24.03.2016
(54) MOTOR AND BRAKE DEVICE	(22) 19.01.2015	(22) 16.09.2015
INCLUDING SAME	(54) SQUIRREL-CAGE INDUCTION MOTOR,	(54) CONSTANT ON-TIME (COT) CONTROL
(73) LG Innotek Co., Ltd.	AND METHOD FOR MANUFACTURING	IN ISOLATED CONVERTER
(72) PARK, Chang Hyun	SQUIRREL-CAGE INDUCTION MOTOR	(73) Alpha and Omega Semiconductor
KIM, Seong Jin	(73) Mitsubishi Electric Corporation	(Cayman) Ltd.
PARK, Kyung Sang	(72) TERASAWA Hideo	(72) HUANG, Pei-lun
(31) 20150132298	NAKAGAWA Kenichi	LIU, Chih-Yuan
(32) 18.09.2015	(51) H02K 21/02	HSU, Yung-chuan
(33) Korea (Republic)	(11) EP3163726	LIN, Tien-Chi
(51) H02K 5/14	(21) EP16195905.1	(31) 201410483072
H01R 39/38	(47) 13.04.2022	201414562733
(11) EP3369158	(22) 27.10.2016	(32) 19.09.2014
(21) EP16778297.8	(54) FLUX CONTROL OF PERMANENT	07.12.2014
(47) 13.04.2022	MAGNET ELECTRIC MACHINE	(33) China
(87) EP2016073492	(73) Hamilton Sundstrand Corporation	United States of America
04.05.2017	(72) Gieras, Jacek F.	(51) H02M 3/335
(22) 30.09.2016	(31) 201514924081	H02M 7/48
(54) BRUSH SYSTEM OF AN ELECTRIC	(32) 27.10.2015	H02M 1/00
MOTOR	(33) United States of America	(11) EP3706302
(73) Brose Fahrzeugteile SE & Co.	(51) H02K 41/03	(21) EP20161499.7
Kommanditgesellschaft, Bamberg	H02P 5/00	(47) 13.04.2022
(72) BOCK, Michael	H02P 25/064	(22) 06.03.2020
(31) 102015220897	(11) EP3871325	(54) VOLTAGE CONVERSION CIRCUIT AND
(32) 26.10.2015	(21) EP19809801.4	CONTROL METHOD THEREOF
(33) Germany	(47) 13.04.2022	(73) Delta Electronics (Shanghai) Co., Ltd.
(51) H02K 9/04	(87) EP2019082515	(72) YE, Yiqing
H02K 5/18	04.06.2020	ZHOU, Yuan
H02K 11/33	(22) 26.11.2019	(31) 201910178236
(11) EP3468011	(54) METHOD FOR DRIVING A ROTOR OF	(32) 08.03.2019
(21) EP17806235.2	A PLANAR DRIVE SYSTEM	(33) China
(47) 13.04.2022	(73) Beckhoff Automation GmbH	(51) H02M 5/458
(87) JP2017016086	(72) LUTHE, Thomas	H02M 7/49
07.12.2017	WEDDEMANN, Alexander	(11) EP3164934
(22) 21.04.2017	WIEDNER, Eva	(21) EP14757868.6
(54) MOTOR APPARATUS	WEBER, Tobias	(47) 13.04.2022
(73) Hitachi, Ltd.	PENNEKAMP, Hubertus	(87) EP2014067502
(72) TOKOI Hirooki	NEUMANN, Klaus	18.02.2016
SAKURAI Naoki	(31) 102018129731	(22) 15.08.2014
ENOMOTO Yuji	(32) 26.11.2018	(54) CONVERTER ARRANGEMENT
(31) 2016109880	(33) Germany	(73) Siemens Energy Global GmbH & Co. KG
(32) 01.06.2016	(51) H02M 1/36	(72) PIESCHEL, Martin
(33) Japan	H02M 1/12	HÖRGER, Wolfgang
(51) H02K 9/06	H02M 7/06	(51) H02P 6/08
H02K 9/14	H02M 1/32	H02P 6/16
H02K 11/33	H02M 1/00	H02P 4/00
(11) EP3245715	(11) EP2552001	H02P 25/18
(21) EP16701363.0	(21) EP12177865.8	B23B 45/02
(47) 13.04.2022	(47) 13.04.2022	B25F 5/00
(87) EP2016051414	(22) 25.07.2012	(11) EP3806316
13.10.2016	(54) Discharge circuit for the capacitor of an	(21) EP19824959.1
(22) 25.01.2016	ac-input filter and method for operating it	(47) 13.04.2022
(54) ELECTRIC MOTOR HAVING	(73) Semiconductor Components Industries,	(87) CN2019094242
IMPROVED COOLING	LLC	02.01.2020
(73) EBM-Papst Mulfingen GmbH&CO. KG	(72) Uherek, Jaromir	(22) 01.07.2019
(72) SCHAFFERT, Friedrich	Placek, Karel	(54) ELECTRIC TOOL
MESSERSCHMIDT, Hartmut	Bubla, Jiri	(73) Nanjing Chervon Industry Co., Ltd.
STURM, Michael	Pastrana, Juan Carlos	(72) XU, Qian

WANG, Hongwei	(87) JP2016063289	28.06.2016
LI, Wencheng	02.11.2017	28.06.2016
(31) 201810699098	(22) 27.04.2016	(33) Korea (Republic)
(32) 29.06.2018	(54) MOTOR DRIVE APPARATUS,	Korea (Republic)
(33) China	REFRIGERATION CYCLE APPARATUS,	Korea (Republic)
(51) H02P 6/18	AND AIR CONDITIONER	(51) H03H 7/40
H02P 1/46	(73) MITSUBISHI ELECTRIC	H04B 13/00
H02P 25/08	CORPORATION	H04B 5/00
(11) EP3016267	(72) SAITO, Katsuhiko	H04W 4/80
(21) EP14191313.7	AMANO, Katsuyuki	H03H 7/38
(47) 13.04.2022	ITO, Norikazu	(11) EP3342042
(22) 31.10.2014	UMEHARA, Shigeo	(21) EP16839989.7
(54) Method for connecting an inverter to	FUKUDA, Masahiro	(47) 13.04.2022
a rotating reluctance machine, control	(51) H02P 25/16	(87) US2016048200
device and drive assembly	G08C 17/02	02.03.2017
(73) Siemens Aktiengesellschaft	H02P 29/024	(22) 23.08.2016
(72) Weigel, Thilo	H02P 27/08	(54) LOW POWER MAGNETIC FIELD BODY
(51) H02P 7/29	(11) EP3637383	AREA NETWORK
H02P 7/291	(21) EP19000048.9	(73) The Regents of the University of
H02P 31/00	(47) 13.04.2022	California
H02M 3/155	(22) 29.01.2019	(72) PARK, Jiwoong
H02M 3/156	(54) WIRELESS COMMUNICATION	MERCIER, Patrick
B64C 39/02	INTEGRATED WITH A MOTOR	(31) 201562208881 P
B64C 29/00	CONTROL INTEGRATED CIRCUIT	(32) 24.08.2015
(11) EP3619806	(73) Infineon Technologies Austria AG	(33) United States of America
(21) EP18723650.0	(72) TAKAHASHI, Toshio	(51) H03K 3/017
(47) 13.04.2022	WU, Wei	H02M 3/07
(87) US2018029228	(31) 201816156331	H03L 7/089
08.11.2018	(32) 10.10.2018	(11) EP3028383
(22) 24.04.2018	(33) United States of America	(21) EP14755455.4
(54) HYSTERESIS-CONTROLLED DC-DC	(51) H02P 29/50	(47) 13.04.2022
BOOST CONVERTER FOR AERIAL	H02J 3/38	(87) US2014047959
VEHICLES	H02M 1/12	05.02.2015
(73) Amazon Technologies, Inc.	H02P 21/22	(22) 24.07.2014
(72) TRAUBE, Joshua White	(11) EP3696969	(54) CLOCK DOUBLER INCLUDING DUTY
(31) 201715717087	(21) EP19156889.8	CYCLE CORRECTION AND METHOD
201762501701 P	(47) 13.04.2022	FOR OPERATING THE SAME.
(32) 27.09.2017	(22) 13.02.2019	(73) Qualcomm Incorporated
04.05.2017	(54) HARMONIC CONTROL OF A	(72) HINRICHS, Jeffrey Mark
(33) United States of America	CONVERTER	(31) 201313954691
United States of America	(73) Siemens Gamesa Renewable Energy A/	(32) 30.07.2013
(51) H02P 21/22	S	(33) United States of America
(11) EP3711155	(72) Wu, Zhan-Yuan	(51) H03K 3/017
(21) EP18800086.3	Freire, Nuno Miguel Amaral	H03K 3/02
(47) 13.04.2022	(51) H02S 40/30	H03K 3/36
(87) EP2018080336	H01L 31/02	H03K 3/57
23.05.2019	H01L 31/05	H03K 5/04
(22) 06.11.2018	H02S 40/38	H03K 5/12
(54) METHOD FOR CONTROLLING A	H01L 31/048	H03K 17/56
SYNCHRONOUS ELECTRICAL	H01L 31/049	(11) EP3516768
MACHINE	(11) EP3476040	(21) EP17859978.3
(73) Nissan Motor Co., Ltd.	(21) EP17820460.8	(47) 13.04.2022
Renault s.a.s	(47) 13.04.2022	(87) US2017053369
(72) KOTEICH, Mohamad	(87) KR2017006512	19.04.2018
(31) 1760768	04.01.2018	(22) 26.09.2017
(32) 16.11.2017	(22) 21.06.2017	(54) NONLINEAR TRANSMISSION LINE
(33) France	(54) SOLAR CELL MODULE AND METHOD	HIGH VOLTAGE PULSE SHARPENING
(51) H02P 25/16	FOR MANUFACTURING THE SAME	(73) Eagle Harbor Technologies, Inc.
F25B 1/00	(73) LG Electronics Inc.	(72) MILLER, Kenneth E.
H02M 7/5387	(72) KIM, Jungguen	ZIEMBA, Timothy M.
H02P 27/08	WOO, Jeonghun	PRAGER, James R.
H02M 1/32	HWANG, Eonjoo	(31) 201715479183
H02M 7/00	SONG, Yong	201662406710 P
H02M 1/44	JEON, Joonho	(32) 04.04.2017
H02M 1/00	(31) 20160086336	11.10.2016
(11) EP3264588	20160081135	(33) United States of America
(21) EP16854604.2	20160081134	United States of America
(47) 13.04.2022	(32) 07.07.2016	(51) H03K 3/0231

H03B 5/20	(47) 13.04.2022	(54) CYCLIC SHIFT DELAY (CSD)
(11) EP3114767	(87) US2017052291	SHORT TRAINING FIELD (STF) FOR
(21) EP15709125.7	11.05.2018	ORTHOGONAL FREQUENCY DIVISION
(47) 13.04.2022	(22) 19.09.2017	MULTIPLEXING (OFDM) SIGNALING
(87) EP2015054000	(54) FREQUENCY HOPPING	WITHIN MULTIPLE USER, MULTIPLE
11.09.2015	FOR MULTICAST SERVICE	ACCESS, AND/OR MIMO WIRELESS
(22) 26.02.2015	TRANSMISSIONS FOR NARROWBAND	COMMUNICATIONS
(54) OSCILLATOR, TRANSMITTER/	DEVICES	(73) Avago Technologies International Sales
RECEIVER FOR A SYSTEM WITH A	(73) Qualcomm Incorporated	Pte. Limited
BUS AND METHOD FOR GENERATING	(72) BHATTAD, Kapil	(72) Erceg, Vinko
A CLOCK FREQUENCY WITH THE	SOMICHTTY, Gowrisankar	Zheng, Jun
OSCILLATOR	(31) 201641037770	(31) 201113073716
(73) Robert Bosch GmbH	201715655577	39029510 P
(72) HEHEMANN, Ingo	(32) 04.11.2016	38793010 P
PANNWITZ, Axel	20.07.2017	35793610 P
(31) 102014204047	(33) India	35318410 P
(32) 05.03.2014	United States of America	(32) 28.03.2011
(33) Germany	(51) H04B 7/04	06.10.2010
(51) H03K 17/082	(11) EP3525504	29.09.2010
H03K 17/16	(21) EP16920827.9	23.06.2010
H02M 1/08	(47) 13.04.2022	09.06.2010
(11) EP3654531	(87) CN2016104476	(33) United States of America
(21) EP19197465.8	11.05.2018	United States of America
(47) 13.04.2022	(22) 03.11.2016	United States of America
(22) 16.09.2019	(54) METHOD FOR TRANSMITTING UPLINK	United States of America
(54) SYSTEMS AND METHODS FOR	SIGNAL AND TERMINAL DEVICE	United States of America
CONTROLLING DYNAMIC AVALANCHE	(73) GUANGDONG OPPO MOBILE	(51) H04B 7/14
IN SWITCHING DEVICES	TELECOMMUNICATIONS CORP., LTD.	(11) EP3529914
(73) Transportation IP Holdings, LLC	(72) TANG, Hai	(21) EP17868397.5
(72) ZOELS, Thomas Alois	(51) H04B 7/06	(47) 13.04.2022
KUTTENKULER, Jason Daniel	H04L 25/03	(87) CN2017109159
YOUNG, Henry Todd	(11) EP3533156	11.05.2018
(31) 201816193926	(21) EP17879027.5	(22) 02.11.2017
(32) 16.11.2018	(47) 13.04.2022	(54) UPLINK REFERENCE SIGNAL
(33) United States of America	(87) KR2017014234	(73) Huawei Technologies Co., Ltd.
(51) H03M 7/30	14.06.2018	(72) ZARIFI, Keyvan
H04L 29/06	(22) 06.12.2017	VILAIPORNSAWAI, Usa
(11) EP2947776	(54) CODEBOOK FOR CSI REPORTING	BALIGH, Mohammadhadi
(21) EP13872237.6	IN ADVANCED WIRELESS	(31) 201715801177
(47) 13.04.2022	COMMUNICATION SYSTEM	201662417221 P
(87) CN2013070638	(73) Samsung Electronics Co., Ltd.	(32) 01.11.2017
24.07.2014	(72) ONGGOSANUSI, Eko	03.11.2016
(22) 17.01.2013	RAHMAN, Md Saifur	(33) United States of America
(54) DATA PACKET PROCESSING METHOD	(31) 201715822059	United States of America
AND DEVICE	201762570943 P	(51) H04B 7/155
(73) Huawei Technologies Co., Ltd.	201762530704 P	H04W 56/00
(72) PANG, LingLi	201762489811 P	(11) EP3213473
XIAO, Xuan	201762452105 P	(21) EP15854779.4
FAN, Weiguang	201662432414 P	(47) 13.04.2022
ZHENG, Xiaoxiao	(32) 24.11.2017	(87) US2015032674
(51) H04B 1/02	11.10.2017	06.05.2016
H03F 1/02	10.07.2017	(22) 27.05.2015
(11) EP3661065	25.04.2017	(54) MULTICHANNEL I/Q INTERFACE
(21) EP20152556.5	30.01.2017	BETWEEN A BASE STATION AND A
(47) 13.04.2022	09.12.2016	REPEATER
(22) 24.02.2015	(33) United States of America	(73) CommScope Technologies LLC
(54) LOAD CURRENT SENSOR FOR	United States of America	(72) LANGE, Keld Knut
ENVELOPE TRACKING MODULATOR	United States of America	(31) 201462073227 P
(73) HUAWEI TECHNOLOGIES CO., LTD.	United States of America	(32) 31.10.2014
(72) JIANG, Hong	United States of America	(33) United States of America
IRVINE, Robert	United States of America	(51) H04B 7/26
(31) 201414188305	(51) H04B 7/06	H04W 28/18
(32) 24.02.2014	H04W 52/16	(11) EP3651383
(33) United States of America	(11) EP3462634	(21) EP19204697.7
(51) H04B 1/713	(21) EP18200965.4	(47) 13.04.2022
H04L 5/00	(47) 13.04.2022	(22) 13.11.2009
(11) EP3535853	(22) 27.05.2011	(54) ASYMMETRIC TDD IN FLEXIBLE USE
(21) EP17777743.0		SPECTRUM

(73) DBSD Corporation	ETHERNET CHANNEL AND	SCHLIWA-BERTLING, Paul
(72) Hyslop, Doug	COMMUNICATIONS DEVICE	(31) 201414274494
Peters, Tom	(73) Huawei Technologies Co. Ltd.	201361822687 P
Corea, Peter	(72) ZHONG, Qiwen	(32) 09.05.2014
Sorond, Mariam	(31) 201510031514	13.05.2013
(31) 270946	(32) 22.01.2015	(33) United States of America
(32) 14.11.2008	(33) China	United States of America
(33) United States of America	(51) H04L 1/00	(51) H04L 1/00
(51) H04B 10/2507	H03M 13/00	H04L 1/18
H04B 10/516	(11) EP3614591	(11) EP3665799
H04B 10/61	(21) EP18794483.0	(21) EP18755691.5
(11) EP3570462	(47) 13.04.2022	(47) 13.04.2022
(21) EP19173985.3	(87) CN2018085711	(87) US2018045501
(47) 13.04.2022	08.11.2018	14.02.2019
(22) 13.05.2019	(22) 04.05.2018	(22) 07.08.2018
(54) COHERENT OPTICAL	(54) POLAR CODE TRANSMISSION	(54) ADAPTIVE TWO-STAGE DOWNLINK
COMMUNICATION WITH	METHOD AND DEVICE	CONTROL CHANNEL STRUCTURE
CONSTELLATIONS HAVING ELECTRIC	(73) Huawei Technologies Co., Ltd.	FOR CODE BLOCK GROUP BASED
FIELD COORDINATES ON CIRCLES	(72) HUANGFU, Yourui	FIFTH GENERATION (5G) OR OTHER
(73) Nokia Solutions and Networks Oy	WANG, Jun	NEXT GENERATION SYSTEMS
(72) Ryf, Roland	ZHANG, Huazi	(73) AT&T Intellectual Property I, L.P.
Essiambre, Rene-Jean	WANG, Jian	(72) NAMMI, SaiRamesh
Kodialam, Muralidharan	CHEN, Ying	GHOSH, Arunabha
(31) 201815979376	LUO, Hejia	(31) 201715674465
(32) 14.05.2018	LI, Rong	(32) 10.08.2017
(33) United States of America	ZHANG, Gongzheng	(33) United States of America
(51) H04J 11/00	(31) 201710314206	(51) H04L 1/00
H04L 5/00	(32) 05.05.2017	H04L 5/00
(11) EP3661081	(33) China	(11) EP3741063
(21) EP18837661.0	(51) H04L 1/00	(21) EP19704729.3
(47) 13.04.2022	H03M 13/37	(47) 13.04.2022
(87) KR2018008572	H04L 1/02	(87) EP2019051237
31.01.2019	H04L 1/16	25.07.2019
(22) 27.07.2018	H04L 1/18	(22) 18.01.2019
(54) METHOD FOR TRANSMITTING AND	(11) EP3342073	(54) BETA OFFSET MANAGEMENT FOR
RECEIVING SYNCHRONIZATION	(21) EP16760278.8	URLLC UCI
SIGNAL BLOCK AND APPARATUS	(47) 13.04.2022	(73) TELEFONAKTIEBOLAGET LM
THEREFOR	(87) US2016048194	ERICSSON (PUBL)
(73) LG Electronics Inc.	27.04.2017	(72) WIKSTRÖM, Gustav
(72) KIM, Youngsub	(22) 23.08.2016	BALDEMAIR, Robert
KO, Hyunsoo	(54) RANDOM LINEAR NETWORK	LI, Shaohua
KIM, Kijun	ENCODED DATA TRANSMISSION	(31) 201862619485 P
KIM, Eunsun	(73) Motorola Mobility LLC	(32) 19.01.2018
KIM, Byoungsoon	(72) BAGHERI, Hossein	(33) United States of America
YOON, Sukhyon	NARASIMHA, Murali	(51) H04L 1/16
(31) 201762566519 P	(31) 201615046571	H04J 13/18
201762562481 P	201562245750 P	H04B 7/06
201762549987 P	(32) 18.02.2016	H04L 1/00
201762544212 P	23.10.2015	H04L 1/06
201762538065 P	(33) United States of America	H04L 5/00
(32) 01.10.2017	United States of America	H04L 27/26
24.09.2017	(51) H04L 1/00	H04J 13/16
25.08.2017	H04L 1/16	(11) EP3687091
11.08.2017	H04L 1/18	(21) EP20164305.3
28.07.2017	(11) EP3709544	(47) 13.04.2022
(33) United States of America	(21) EP20172000.0	(22) 20.08.2010
United States of America	(47) 13.04.2022	(54) TRANSMISSION OF INFORMATION
United States of America	(22) 12.05.2014	IN A WIRELESS COMMUNICATION
United States of America	(54) RADIO ACCESS NETWORK NODE	SYSTEM
United States of America	AND MOBILE STATION WITH	(73) BlackBerry Limited
(51) H04L 1/00	INCREASED ACK/NACK SPACE FOR	(72) CAI, Zhijun
(11) EP3627736	PACKET DOWNLINK ACK/NACK	HARRISON, Robert Mark
(21) EP19189528.3	MESSAGE	MCBEATH, Sean
(47) 13.04.2022	(73) Telefonaktiebolaget LM Ericsson (publ)	FONG, Mo-Han
(22) 13.10.2015	SUNDBERG, Mårten	XU, Hua
(54) METHOD FOR TRANSMITTING	JOHANSSON, Nicklas	HEO, Youn Hyoung
SERVICE SIGNAL BY USING	HOFSTRÖM, Björn	EARNSHAW, Mark
	DIACHINA, John Walter	(31) 23599709 P

(32) 21.08.2009	KWAK, Gyoungil	GRANT, Stephen
(33) United States of America	LEE, Hyunho	MURUGANATHAN, Siva
(51) H04L 1/18	PARK, Hanjun	GAO, Shiwei
(11) EP3697008	PARK, Changhwan	(31) 201662335989 P
(21) EP17931254.1	YOON, Sukhyon	(32) 13.05.2016
(47) 13.04.2022	SEO, Hanbyul	(33) United States of America
(87) CN2017110583	HWANG, Daesung	(51) H04L 5/00
16.05.2019	(31) 201762544669 P	(11) EP3396886
(22) 10.11.2017	201762543960 P	(21) EP16889113.3
(54) METHOD FOR DETERMINING HARQ	(32) 11.08.2017	(47) 13.04.2022
NUMBER, NETWORK DEVICE,	10.08.2017	(87) CN2016107440
TERMINAL AND COMPUTER	(33) United States of America	10.08.2017
STORAGE MEDIUM	United States of America	(22) 28.11.2016
(73) GUANGDONG OPPO MOBILE	(51) H04L 1/18	(54) METHOD AND APPARATUS FOR
TELECOMMUNICATIONS CORP., LTD.	H04L 5/00	TRANSMITTING PILOT SIGNAL
(72) LIN, Yanan	H04W 52/02	(73) Huawei Technologies Co., Ltd.
(51) H04L 1/18	H04L 1/00	(72) LIU, Jin
H04B 7/14	H04L 1/16	CHEN, Dageng
H04W 72/04	(11) EP2768171	SHI, Hongzhe
H04L 1/16	(21) EP12839782.5	BI, Xiaoyan
(11) EP3573271	(47) 13.04.2022	(31) 201610069267
(21) EP19155455.9	(87) KR2012008307	(32) 03.02.2016
(47) 13.04.2022	18.04.2013	(33) China
(22) 04.08.2010	(22) 12.10.2012	(51) H04L 5/00
(54) RELAY BACKHAUL UPLINK HARQ	(54) METHOD AND DEVICE FOR	(11) EP3522436
PROTOCOL	TRANSMITTING REVERSE CONTROL	(21) EP19160985.8
(73) Sun Patent Trust	SIGNAL IN MOBILE COMMUNICATION	(47) 13.04.2022
(72) WENGERTER, Christian	SYSTEM	(22) 07.06.2016
FENG, Sujuan	(73) Samsung Electronics Co., Ltd.	(54) COMMON SEARCH SPACE FOR
LÖHR, Joachim	(72) JANG, Jae Hyuk	MACHINE TYPE COMMUNICATIONS
GOLITSCHKE EDLER VON ELBWART,	KIM, Soeng Hun	(73) QUALCOMM Incorporated
Alexander	VAN LIESHOUT, Gert-Jan	(72) RICO ALVARINO, Alberto
(31) 09172075	(31) 201261649910 P	XU, Hao
(32) 02.10.2009	201261592568 P	CHEN, Wanshi
(33) European Patent Office (EPO)	201261584744 P	(31) 201615174678
(51) H04L 1/18	201161563345 P	201662288425 P
H04L 1/16	201161556779 P	201562191253 P
(11) EP3766201	201161553359 P	(32) 06.06.2016
(21) EP19723284.6	201161552114 P	28.01.2016
(47) 13.04.2022	201161546532 P	10.07.2015
(87) US2019029691	(32) 21.05.2012	(33) United States of America
19.12.2019	30.01.2012	United States of America
(22) 29.04.2019	09.01.2012	United States of America
(54) CBG-BASED NOMA TRANSMISSION	23.11.2011	(51) H04L 5/00
FOR A WIRELESS NETWORK	07.11.2011	(11) EP3687096
(73) Google LLC	31.10.2011	(21) EP19202132.7
(72) MENG, Ling-San	27.10.2011	(47) 13.04.2022
(31) 201862685876 P	12.10.2011	(22) 13.01.2010
(32) 15.06.2018	(33) United States of America	(54) METHOD AND APPARATUS FOR
(33) United States of America	United States of America	TRANSMITTING UPLINK CONTROL
(51) H04L 1/18	United States of America	INFORMATION IN MULTI- CARRIER
H04L 1/16	United States of America	WIRELESS COMMUNICATION SYSTEM
H04L 1/00	United States of America	(73) Samsung Electronics Co., Ltd.
H04L 5/00	United States of America	(72) LEE, Ju Ho
H04W 28/06	United States of America	KHAN, Farooq
(11) EP3667973	United States of America	HAN, Jin Kyu
(21) EP18845254.4	(51) H04L 5/00	ZHANG, Jianzhong
(47) 13.04.2022	(11) EP3455992	HEO, Youn-Hyoung
(87) KR2018009131	(21) EP17727745.6	CHO, Joon Young
14.02.2019	(47) 13.04.2022	(31) 20090002808
(22) 09.08.2018	(87) SE2017050502	(32) 13.01.2009
(54) METHOD HARQ ACK/NACK	16.11.2017	(33) Korea (Republic)
REPORTING IN WIRELESS	(22) 15.05.2017	(51) H04L 5/00
COMMUNICATION SYSTEM AND	(54) MECHANISMS FOR REDUCED	H04L 1/00
APPARATUS THEREFOR	DENSITY CSI-RS	H04L 5/14
(73) LG Electronics Inc.	(73) Telefonaktiebolaget LM Ericsson (publ)	H04L 25/02
(72) AHN, Joonkui	(72) FRENNE, Mattias	H04L 27/26
YI, Yunjung	HARRISON, Robert Mark	H04W 72/00

(11) EP3639453	(32) 04.05.2017	H04W 72/04
(21) EP18737785.8	(33) China	H04W 16/14
(47) 13.04.2022	(51) H04L 5/00	H04W 24/10
(87) US2018037958	H04L 5/14	H04W 48/16
20.12.2018	(11) EP3387808	(11) EP3685540
(22) 16.06.2018	(21) EP16816544.7	(21) EP18786093.7
(54) SHORT BURST CHANNEL DESIGN	(47) 13.04.2022	(47) 13.04.2022
AND MULTIPLEXING	(87) US2016064837	(87) US2018051330
(73) QUALCOMM Incorporated	15.06.2017	28.03.2019
(72) XU, Hao	(22) 02.12.2016	(22) 17.09.2018
JI, Tingfang	(54) DECOUPLED MODE FOR A COMMON	(54) METHODS AND APPARATUS RELATED
HUANG, Yi	UPLINK BURST TRANSMISSION IN A	TO ENHANCED MACHINE TYPE
PARK, Seyong	TIME DIVISION DUPLEX SUBFRAME	COMMUNICATION
WANG, Renqiu	STRUCTURE	(73) QUALCOMM Incorporated
(31) 201816010001	(73) Qualcomm Incorporated	(72) LIU, Chih-Hao
201762521297 P	(72) SORIAGA, Joseph Binamira	YERRAMALLI, Srinivas
(32) 15.06.2018	JI, Tingfang	KADOUS, Tamer
16.06.2017	ZENG, Wei	(31) 201816005558
(33) United States of America	(31) 201615202314	201762561156 P
United States of America	201562265313 P	(32) 11.06.2018
(51) H04L 5/00	(32) 05.07.2016	20.09.2017
H04L 1/18	09.12.2015	(33) United States of America
H04L 1/16	(33) United States of America	United States of America
H04L 5/14	United States of America	(51) H04L 5/00
(11) EP3627750	(51) H04L 5/00	H04W 24/10
(21) EP19208910.0	H04L 27/00	(11) EP3668158
(47) 13.04.2022	(11) EP3661105	(21) EP18844020.0
(22) 20.01.2016	(21) EP19219893.5	(47) 13.04.2022
(54) METHOD FOR TRANSMITTING	(47) 13.04.2022	(87) CN2018099573
UPLINK CONTROL INFORMATION AND	(22) 23.02.2016	14.02.2019
APPARATUS THEREFOR	(54) METHOD AND APPARATUS FOR	(22) 09.08.2018
(73) LG Electronics Inc.	SCHEDULING USER EQUIPMENT	(54) BEAM REPORT SENDING METHOD
(72) YANG, Suckchel	UPLINK TRANSMISSIONS ON AN	AND TERMINAL
HWANG, Daesung	UNLICENSED CARRIER	(73) Vivo Mobile Communication Co., Ltd.
AHN, Joonkui	(73) Motorola Mobility LLC	(72) SUN, Peng
LEE, Seungmin	(72) NANGIA, Vijay	YANG, Yu
PARK, Hanjun	NIMBALKER, Ajit	(31) 201710681954
(31) 201562216348 P	NARASIMHA, Murali	(32) 10.08.2017
201562209314 P	NORY, Ravikiran	(33) China
201562144982 P	(31) 201514751175	(51) H04L 5/00
201562115164 P	201562134278 P	H04W 48/12
201562105224 P	(32) 26.06.2015	(11) EP3566501
(32) 09.09.2015	17.03.2015	(21) EP17832353.1
24.08.2015	(33) United States of America	(47) 13.04.2022
09.04.2015	United States of America	(87) IB2017058292
12.02.2015	(51) H04L 5/00	12.07.2018
20.01.2015	H04L 27/26	(22) 21.12.2017
(33) United States of America	H04L 27/34	(54) EXPLICIT CONFIGURATION OF
United States of America	H04W 72/04	PAGING AND CONTROL CHANNEL IN
United States of America	(11) EP3596871	SYSTEM INFORMATION
United States of America	(21) EP18715146.9	(73) Telefonaktiebolaget LM Ericsson (PUBL)
United States of America	(47) 13.04.2022	(72) RUNE, Johan
(51) H04L 5/00	(87) US2018000092	FRENGER, Pål
H04L 1/18	13.09.2018	WAGER, Stefan
H04W 72/04	(22) 22.03.2018	(31) 201762443407 P
(11) EP3611864	(54) PHASE TRACKING REFERENCE	(32) 06.01.2017
(21) EP18794307.1	SIGNAL INDICATION IN MULTI-USER	(33) United States of America
(47) 13.04.2022	SUPERPOSITION TRANSMISSION	(51) H04L 5/00
(87) CN2018085713	(73) Apple Inc.	H04W 72/04
08.11.2018	(72) DAVYDOV, Alexei	(11) EP3627930
(22) 04.05.2018	ZHANG, Yushu	(21) EP17932113.8
(54) EFFICIENT TRANSMISSION AND	XIONG, Gang	(47) 13.04.2022
RECEPTION OF CONTROL SIGNALS	WANG, Guotong	(87) CN2017111415
(73) Huawei Technologies Co., Ltd.	(31) PCT/CN2017/073928	23.05.2019
(72) WANG, Jianguo	(32) 17.02.2017	(22) 16.11.2017
XUE, Lixia	(33) World Intellectual Property Office (WIPO)	(54) RESOURCE INDICATION METHODS,
ZHANG, Xu	(51) H04L 5/00	USER EQUIPMENT AND NETWORK
(31) 201710309835	H04W 4/70	DEVICE

(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(21) EP18938444.9	FRANK, Ilan
(72) SHEN, Jia	(47) 13.04.2022	(31) 201862681578 P
(51) H04L 5/00	(87) CN2018112648	(32) 06.06.2018
H04W 72/04	07.05.2020	(33) United States of America
(11) EP3570479	(22) 30.10.2018	(51) H04L 9/08
(21) EP17895808.8	(54) DATA PROCESSING METHOD, TERMINAL DEVICE AND STORAGE MEDIUM	H04L 9/30
(47) 13.04.2022	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(11) EP2742644
(87) CN2017107717	(72) LU, Qianxi	(21) EP12772804.6
16.08.2018	(51) H04L 5/14	(47) 13.04.2022
(22) 25.10.2017	H04L 5/00	(87) IB2012054060
(54) INFORMATION INDICATION METHOD, DEVICE, AND SYSTEM	H04W 72/04	14.02.2013
(73) Huawei Technologies Co., Ltd.	H04L 27/26	(22) 09.08.2012
(72) YU, Jian	H04W 52/02	(54) ENCRYPTION AND DECRYPTION METHOD
TANG, Xiaoyong	H04W 72/12	(73) One Hundred Limited
(31) 201710074440	(11) EP3354093	(72) PES, Carlo
(32) 10.02.2017	(21) EP16847899.8	(31) GE20110091
(33) China	(47) 13.04.2022	(32) 10.08.2011
(51) H04L 5/00	(87) CN2016092763	(33) Italy
H04W 72/12	30.03.2017	(51) H04L 9/08
H04W 74/02	(22) 01.08.2016	H04L 9/32
H04W 16/14	(54) INCREASED UPLINK PILOT TIME SLOT LENGTH IN SPECIAL SUBFRAMES	(11) EP3320646
(11) EP3403356	(73) Qualcomm Incorporated	(21) EP16738509.5
(21) EP16819785.3	(72) ZHENG, Ruiming	(47) 13.04.2022
(47) 13.04.2022	GAAL, Peter	(87) GB2016052034
(87) US2016065650	WEI, Chao	12.01.2017
20.07.2017	CHEN, Wanshi	(22) 06.07.2016
(22) 08.12.2016	(31) PCT/CN2015/090515	(54) BIOMETRIC SECURITY FOR CRYPTOGRAPHIC SYSTEM
(54) SPECTRUM ACCESS SERVER SUPPORT OF RESOURCE ASSIGNMENTS BASED ON RADIO ACCESS NETWORK COEXISTENCE INFORMATION	(32) 24.09.2015	(73) Pipa Solutions Ltd
(73) Qualcomm Incorporated	(33) World Intellectual Property Office (WIPO)	(72) KHAN, Sher
(72) YAVUZ, Mehmet	(51) H04L 9/08	(31) 201511793
KNISELY, Douglas	G01D 4/00	(32) 06.07.2015
PRAKASH, Rajat	H04L 29/06	(33) United Kingdom
MESHKATI, Farhad	(11) EP3457625	(51) H04L 9/32
(31) 201615371302	(21) EP18000702.3	G06F 21/64
201662278948 P	(47) 13.04.2022	(11) EP3609120
(32) 07.12.2016	(22) 29.08.2018	(21) EP18250015.7
14.01.2016	(54) DATA TRANSMISSION METHOD	(47) 13.04.2022
(33) United States of America	(73) Diehl Metering Systems GmbH	(22) 09.08.2018
United States of America	(72) Schmitz, Stefan	(54) DISTRIBUTED DATA STORAGE
(51) H04L 5/00	Schmidt, Achim	(73) Nokia Technologies Oy
H04W 72/14	(31) 102017008688	(72) Fitzgerald, Edward
(11) EP3530051	(32) 15.09.2017	Martin Lopez, Enrique
(21) EP19700764.4	(33) Germany	Palyutina, Karina
(47) 13.04.2022	(51) H04L 9/08	Bitauld, David
(87) CN2019070699	H04L 9/14	(51) H04L 9/32
18.07.2019	H04L 9/32	H04L 9/14
(22) 07.01.2019	(11) EP3777015	G06F 21/31
(54) METHODS AND DEVICES FOR CONTROL OF BANDWIDTH PART SWITCHING	(21) EP19734545.7	G06F 21/62
(73) Telefonaktiebolaget LM Ericsson (publ)	(47) 13.04.2022	G06F 21/57
(72) PRADAS, Jose Luis	(87) US2019035870	H04L 29/06
LIU, Jinhua	12.12.2019	(11) EP2583410
HOFSTROM, Bjorn	(22) 06.06.2019	(21) EP11798621.6
ENBUSKE, Henrik	(54) METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR ENCRYPTION KEY MANAGEMENT WITHIN A GROUP-BASED COMMUNICATION SYSTEM	(47) 13.04.2022
(31) PCT/CN2018/072302	(73) Slack Technologies, LLC	(87) US2011040063
(32) 11.01.2018	(72) JONES, Leah	29.12.2011
(33) World Intellectual Property Office (WIPO)	DRUMMOND, Audrey	(22) 10.06.2011
(51) H04L 5/00	KINKEL, Nikolas	(54) SINGLE-USE AUTHENTICATION METHODS FOR ACCESSING ENCRYPTED DATA
H04W 76/15	CROWLEY, Richard	(73) Microsoft Technology Licensing, LLC
H04L 1/08	FAIN, Jessica	(72) VOBA, Son
(11) EP3780454		DUSSART, Nils
		URECHE, Octavian T.
		JEFFRIES, Charles G.
		THOM, Stefan
		BASMOV, Innokentiy

ILAC, Cristian M. BHARADWAJ, Vijay G. (31) 819883 (32) 21.06.2010 (33) United States of America	(54) DISTRIBUTED FAULT CODE AGGREGATION ACROSS APPLICATION CENTRIC DIMENSIONS (73) Cisco Technology, Inc. (72) IYER, Sundar MOHANRAM, Kartik KOMPELLA, Ramana, Rao MONK, John, Thomas (31) 201715663455 201762520663 P (32) 28.07.2017 16.06.2017 (33) United States of America United States of America	(11) EP3811573 (21) EP19742449.2 (47) 13.04.2022 (87) FR2019051466 26.12.2019 (22) 17.06.2019 (54) METHOD FOR CONFIGURING A CENTRAL CONTROL UNIT BELONGING TO A HOME AUTOMATION SYSTEM (73) Overkiz (72) POGNANT, Sylvain (31) 1855414 (32) 20.06.2018 (33) France
(51) H04L 9/32 H04L 29/06 G06Q 20/40 (11) EP3341906 (21) EP16840202.2 (47) 13.04.2022 (87) US2016048958 02.03.2017 (22) 26.08.2016 (54) SYSTEMS AND METHODS FOR MONITORING COMPUTER AUTHENTICATION PROCEDURES (73) Mastercard International Incorporated (72) HUBBARD, Steve, E. LOCK, Sheryl, J. MOSKOWITZ, Sue, Ellen (31) 201562210885 P (32) 27.08.2015 (33) United States of America	(51) H04L 12/26 H04L 12/801 (11) EP3656091 (21) EP18737933.4 (47) 13.04.2022 (87) EP2018069244 24.01.2019 (22) 16.07.2018 (54) PERFORMANCE MEASUREMENT IN A COMMUNICATION NETWORK (73) Telecom Italia S.p.A. (72) FIOCCOLA, Giuseppe COCIGLIO, Mauro (31) 201700081391 (32) 18.07.2017 (33) Italy	(51) H04L 12/28 H04L 12/24 H04L 12/26 H04L 12/721 (11) EP3609134 (21) EP18915781.1 (47) 13.04.2022 (87) CN2018091210 31.10.2019 (22) 14.06.2018 (54) BGP ANYCAST CLUSTER SERVICE QUALITY DETECTION METHOD AND DETECTION APPARATUS (73) Wangsu Science & Technology Co., Ltd. (72) Chen, Danjiang (31) 201810403078 (32) 28.04.2018 (33) China
(51) H04L 9/32 H04L 29/08 H04L 29/06 (11) EP3346638 (21) EP17203008.2 (47) 13.04.2022 (22) 22.11.2017 (54) METHOD, APPARATUS, AND COMPUTER-READABLE STORAGE MEDIUM COMPRISING INSTRUCTIONS FOR VEHICLE-TO- VEHICLE COMMUNICATION (73) Volkswagen Aktiengesellschaft (72) Kwoczek, Andreas Alieiev, Roman Hehn, Thorsten Schaaf, Klaus (31) 102017200099 (32) 05.01.2017 (33) Germany	(51) H04L 12/26 H04L 12/825 H04L 12/841 H04L 12/801 H04L 12/46 (11) EP2869516 (21) EP14191129.7 (47) 13.04.2022 (22) 30.10.2014 (54) Systems and methods for managing a network (73) Comcast Cable Communications, LLC (72) Toy, Mehmet (31) 201314066887 (32) 30.10.2013 (33) United States of America	(51) H04L 12/28 H04L 12/46 H04L 12/801 H04L 12/851 H04W 28/02 H04W 28/10 H04W 40/22 H04W 76/15 H04W 92/04 (11) EP3465989 (21) EP17803740.4 (47) 13.04.2022 (87) US2017034873 30.11.2017 (22) 26.05.2017 (54) END-TO-END PRIORITIZATION FOR MOBILE BASE STATION (73) Parallel Wireless Inc. (72) CAO, Yang AGARWAL, Kaitki MISHRA, Rajesh GARG, Sumit MEHTA, Pratik (31) 201662342001 P (32) 26.05.2016 (33) United States of America
(51) H04L 12/18 (11) EP3767895 (21) EP19797153.4 (47) 13.04.2022 (87) CN2019090341 26.11.2020 (22) 06.06.2019 (54) METHOD AND SYSTEM FOR AUDIO AND VIDEO INTERACTION BETWEEN PLURALITY OF GROUPS (73) Wangsu Science & Technology Co., Ltd. (72) XIAO, Xin LIANG, Shiping (31) 201910414946 (32) 17.05.2019 (33) China	(51) H04L 12/28 G05B 9/03 G05B 19/05 H04L 12/24 H04L 12/40 H04L 12/437 (11) EP3651417 (21) EP18828054.9 (47) 13.04.2022 (87) JP2018025183 10.01.2019 (22) 03.07.2018 (54) CONTROL SYSTEM AND CONTROL METHOD (73) Omron Corporation (72) MUNETA Yasuo SAWADA Shigenori (31) 2017133763 (32) 07.07.2017 (33) Japan	(51) H04L 12/40 H04L 12/66 (11) EP3685550 (21) EP18759884.2 (47) 13.04.2022 (87) EP2018072100 28.03.2019 (22) 15.08.2018
(51) H04L 12/26 H04L 12/24 (11) EP3639479 (21) EP18737057.2 (47) 13.04.2022 (87) US2018035805 20.12.2018 (22) 04.06.2018	(51) H04L 12/28 H04L 12/24	

(54) DATA SYSTEM, DATA TRANSMISSION SYSTEM AND METHOD FOR DATA TRANSMISSION FOR A TOWING VEHICLE AND/OR TRAILER VEHICLE	(32) 21.12.2016 (33) China	(33) United States of America
(73) ZF CV Systems Europe BV	(51) H04L 12/851	(51) H04L 27/26
(72) KÜHNE, Sebastian	H04L 12/891	(11) EP3155780
MICHEL, Marco	H04L 12/863	(21) EP15790246.1
DIECKMANN, Thomas	H04L 12/813	(47) 13.04.2022
GOERS, Andreas	H04L 12/823	(87) IB2015001479
WOLF, Thomas	(11) EP3425862	17.12.2015
LÜLFING, Ralph-Carsten	(21) EP17183235.5	(22) 10.06.2015
WULF, Oliver	(47) 13.04.2022	(54) OFDM BASED ORBITAL ANGULAR MOMENTUM SYSTEM AND METHOD
(31) 102017010356	(22) 26.07.2017	(73) Eutelsat SA
102017008870	(54) AUTOMATICALLY CYCLING AMONG PACKET TRAFFIC FLOWS	(72) DUTRONC, Jacques
(32) 09.11.2017	SUBJECTING THEM TO VARYING DROP PROBABILITIES IN A PACKET NETWORK	SAITTO, Antonio
20.09.2017	(73) Cisco Technology, Inc.	(31) PCT/IB2014/002103
(33) Germany	(72) WILLIAMS JR., John J.	(32) 10.06.2014
Germany	TATAR, Mohammed Ismael	(33) World Intellectual Property Office (WIPO)
(51) H04L 12/58	WARD, David Delano	(51) H04L 27/26
(11) EP3591907	(31) 201715641661	(11) EP3155781
(21) EP18901808.8	(32) 05.07.2017	(21) EP15790247.9
(47) 13.04.2022	(33) United States of America	(47) 13.04.2022
(87) CN2018091214	(51) H04L 25/02	(87) IB2015001480
14.11.2019	H02M 1/00	17.12.2015
(22) 14.06.2018	(11) EP3579508	(22) 10.06.2015
(54) MAIL TRANSMISSION METHOD AND SERVER	(21) EP19176569.2	(54) OFDM BASED ORBITAL ANGULAR MOMENTUM SYSTEM AND METHOD
(73) Wangsu Science & Technology Co., Ltd.	(47) 13.04.2022	(73) Eutelsat SA
(72) LIN, Sichen	(22) 24.05.2019	(72) SAITTO, Antonio
ZENG, Zhiqian	(54) PULSE SIGNAL OUTPUT CIRCUIT	DUTRONC, Jacques
HUANG, Yuxian	(73) Yokogawa Electric Corporation	(31) PCT/IB2014/002103
(31) 201810442232	(72) Iwano, Youichi	(32) 10.06.2014
(32) 10.05.2018	(31) 2018104094	(33) World Intellectual Property Office (WIPO)
(33) China	(32) 30.05.2018	(51) H04L 27/26
(51) H04L 12/58	(33) Japan	H04L 1/16
H04L 12/18	(51) H04L 25/03	H04W 28/22
(11) EP3593501	(11) EP3545657	H04L 1/00
(21) EP18712400.3	(21) EP16819075.9	H04L 5/14
(47) 13.04.2022	(47) 13.04.2022	H04W 28/18
(87) US2018021509	(87) EP2016081988	H04L 29/06
13.09.2018	28.06.2018	H04W 28/06
(22) 08.03.2018	(22) 20.12.2016	H04L 5/00
(54) EMBEDDED MEETING EXTENSIONS	(54) SYSTEMS AND METHODS FOR DECODING OF MODULATED SYMBOLS OR COMPENSATING CHANNEL FREQUENCY RESPONSE OF THE MODULATED SYMBOLS	(11) EP2385666
(73) Microsoft Technology Licensing, LLC	(73) Huawei Technologies Co., Ltd.	(21) EP11006456.5
(72) THOMPSON, Jackson Robert	(72) LEVY, Dudi	(47) 13.04.2022
MEYER, Robert	XIAO, Zhiyu	(22) 07.03.2003
(31) 201715455816	GIDRON, Dori	(54) Header packet configuration for signaling communication parameters in an OFDM system
(32) 10.03.2017	ZARUBINSKY, Michael	(73) Intel Corporation
(33) United States of America	XIE, Changsong	(72) Lee, Dongjun
(51) H04L 12/803	(51) H04L 27/26	Lanzl, Colin
H04L 12/66	(11) EP3295633	Cooklev, Todor
H04L 12/823	(21) EP16723078.8	Tzannes, Marcos
H04L 12/707	(47) 13.04.2022	(31) 363218 P
(11) EP3550774	(87) EP2016060610	(32) 08.03.2002
(21) EP17884463.5	17.11.2016	(33) United States of America
(47) 13.04.2022	(22) 11.05.2016	(51) H04L 27/26
(87) CN2017105884	(54) CREST FACTOR OPTIMIZATION IN A DIGITAL REPEATER SYSTEM	H04L 25/03
28.06.2018	(73) Andrew Wireless Systems GmbH	H04L 27/00
(22) 12.10.2017	(72) KUMMETZ, Thomas	H04L 27/36
(54) PACKET TRANSMISSION METHOD AND HYBRID ACCESS GATEWAY	LANGE, Keld	H04B 1/04
(73) Huawei Technologies Co., Ltd.	(31) 201562159486 P	(11) EP3729755
(72) SONG, Liangyu	(32) 11.05.2015	(21) EP18902297.3
QIAO, Naiqiang		(47) 13.04.2022
ZHU, Xia		(87) KR2018015249
SHANG, Hongzhang		01.08.2019
CHENG, Jian		(22) 04.12.2018
(31) 201611190799		(54) METHOD AND DEVICE FOR TRANSMITTING OFDM SIGNAL,

AND METHOD AND DEVICE FOR RECEIVING OFDM SIGNAL	(73) Crowdstrike, Inc.	(21) EP17784471.9
(73) LG Electronics Inc.	(72) LEE, John	(47) 13.04.2022
(72) PARK, Changhwan	EDWARDS, Paul	(87) US2017053760
KIM, Byounghoon	BRADLEY, Jaron	05.07.2018
YOON, Sukhyon	(31) 201916268334	(22) 27.09.2017
KIM, Kijun	201862634408 P	(54) HANDOFF FEATURE FOR CONTENT SHARING PLATFORMS
KO, Hyunsoo	(32) 05.02.2019	(73) Google LLC
(31) 20180079450	23.02.2018	(72) LEWIS, Justin
20180039089	(33) United States of America	SHAH, Ankit
201862629714 P	United States of America	(31) 201715715580
201862621058 P	(51) H04L 29/06	201662439877 P
(32) 09.07.2018	G06F 21/57	(32) 26.09.2017
04.04.2018	G06F 21/10	28.12.2016
13.02.2018	G06F 21/62	(33) United States of America
24.01.2018	(11) EP3606003	United States of America
(33) Korea (Republic)	(21) EP19199222.1	(51) H04L 29/06
Korea (Republic)	(47) 13.04.2022	H04L 29/08
United States of America	(22) 29.06.2015	H04L 12/24
United States of America	(54) SECURELY STORING CONTENT WITHIN PUBLIC CLOUDS	H04L 12/26
(51) H04L 29/06	(73) Microsoft Technology Licensing, LLC	(11) EP2888860
G06F 21/32	(72) HUNT, Galen Clyde	(21) EP13750026.0
H04W 12/065	RUSSINOVICH, Mark Eugene	(47) 13.04.2022
(11) EP3504859	(31) 201414319969	(87) EP2013066816
(21) EP17755359.1	(32) 30.06.2014	27.02.2014
(47) 13.04.2022	(33) United States of America	(22) 12.08.2013
(87) US2017045956	(51) H04L 29/06	(54) COMMUNICATION CONFIGURATION ANALYSIS IN PROCESS CONTROL SYSTEMS
01.03.2018	G06F 21/57	(73) Hitachi Energy Switzerland AG
(22) 08.08.2017	H04L 9/32	(72) BRODBECK, Heinz
(54) REMOTE USAGE OF LOCALLY STORED BIOMETRIC AUTHENTICATION DATA	G06F 21/53	WIMMER, Wolfgang
(73) Visa International Service Association	G09C 1/00	(31) 12181615
(72) SHEETS, John	H04L 9/08	(32) 24.08.2012
(31) 201662409258 P	(11) EP3574622	(33) European Patent Office (EPO)
201662378626 P	(21) EP17829837.8	(51) H04L 29/06
(32) 17.10.2016	(47) 13.04.2022	H04W 12/06
23.08.2016	(87) US2017067459	H04W 76/14
(33) United States of America	02.08.2018	H04L 12/18
United States of America	(22) 20.12.2017	H04W 64/00
(51) H04L 29/06	(54) ADDRESSING A TRUSTED EXECUTION ENVIRONMENT	H04W 8/00
G06F 21/55	(73) Microsoft Technology Licensing, LLC	H04W 12/04
(11) EP3484118	(72) NOVAK, Mark, F.	H04W 92/18
(21) EP18192241.0	(31) 201715416981	H04L 29/12
(47) 13.04.2022	(32) 26.01.2017	H04W 88/02
(22) 03.09.2018	(33) United States of America	(11) EP3621272
(54) DETECTION OF ADVERSARY LATERAL MOVEMENT IN MULTI-DOMAIN IIOT ENVIRONMENTS	(51) H04L 29/06	(21) EP19201166.6
(73) Accenture Global Solutions Limited	H04L 9/32	(47) 13.04.2022
(72) HASSANZADEH, Amin	H04W 12/08	(22) 23.01.2014
GHALATY, Nahid Farhady	G06F 21/34	(54) NETWORK-ASSISTED PROXIMITY DISCOVERY, AUTHENTICATION AND LINK ESTABLISHMENT BETWEEN COMMUNICATION MOBILE DEVICES IN 3GPP LTE
KRISHAK, Apoorv	G06F 21/35	(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk Onderzoek TNO
BURKETT, Robin Lynn	G16H 10/60	Koninklijke KPN N.V.
BENAMEUR, Azzedine	(11) EP2756477	(72) DE KIEVIT, Sander
CHEN, Chien An	(21) EP12831226.1	EVERTS, Maarten
(31) 201715808655	(47) 13.04.2022	FRANSEN, Frank
(32) 09.11.2017	(87) US2012055366	VEUGEN, Peter
(33) United States of America	21.03.2013	(31) 13152725
(51) H04L 29/06	(22) 14.09.2012	(32) 25.01.2013
G06F 21/55	(54) AUTOMATED LOGIN INITIALIZATION ON DETECTION OF IDENTIFYING INFORMATION	(33) European Patent Office (EPO)
H04W 12/12	(73) Mobile Heartbeat LLC	(51) H04L 29/06
(11) EP3531327	(72) MARK, Jacob	H04W 12/12
(21) EP19158478.8	(31) 201161534731 P	H04W 12/065
(47) 13.04.2022	(32) 14.09.2011	H04W 84/18
(22) 21.02.2019	(33) United States of America	
(54) CROSS MACHINE DETECTION TECHNIQUES	(51) H04L 29/06	
	H04L 29/08	
	(11) EP3563542	

(11) EP3146751	NETWORK ELEMENT, CONTENT	(31) 201562242677 P
(21) EP15722838.8	SERVER AND TERMINAL DEVICE	201562242668 P
(47) 13.04.2022	(73) Huawei Technologies Co., Ltd.	201562222406 P
(87) US2015028298	(72) LU, Wei	(32) 16.10.2015
26.11.2015	ZHU, Hualin	16.10.2015
(22) 29.04.2015	JIN, Weisheng	23.09.2015
(54) SECURING A WIRELESS MESH	(51) H04L 29/08	(33) United States of America
NETWORK VIA A CHAIN OF TRUST	G06F 9/445	United States of America
(73) Google LLC	H04L 12/851	United States of America
(72) DE VRIES, Brian	G06F 8/65	
ABOUSSELHAM, Yassir	H04L 12/24	(51) H04L 29/12
WEKSLER, Michel	(11) EP3731493	H04L 29/14
KRIEGER, Ken	(21) EP19738257.5	(11) EP3627801
(31) 201514620152	(47) 13.04.2022	(21) EP19183174.2
201462002754 P	(87) CN2019071670	(47) 13.04.2022
(32) 11.02.2015	18.07.2019	(22) 28.06.2019
23.05.2014	(22) 14.01.2019	(54) AUTOMATIC RECOVERY FROM
(33) United States of America	(54) SOFTWARE UPGRADE METHOD AND	DUPLICATE NETWORK ADDRESSES
United States of America	SYSTEM	(73) Juniper Networks, Inc.
(51) H04L 29/06	(73) HUAWEI TECHNOLOGIES CO., LTD.	(72) JOSE, Jimmy
H04W 48/16	(72) SHEN, Yang	THOMAS, Reji
H04W 64/00	NI, Shaoji	D N, Pranavadatta
H04W 12/122	WEN, Shicheng	(31) 201816138767
(11) EP3533248	ZHANG, Jidong	(32) 21.09.2018
(21) EP17869752.0	TAO, Mingsen	(33) United States of America
(47) 13.04.2022	(31) 201810037190	
(87) CN2017110496	(32) 15.01.2018	(51) H04L 47/78
17.05.2018	(33) China	H04L 47/72
(22) 10.11.2017	(51) H04L 29/08	H04L 47/80
(54) METHOD AND APPARATUS FOR	G06F 9/50	(11) EP3697045
AVOIDING DENIAL OF SERVICES IN	(11) EP3612935	(21) EP20154217.2
MOBILE COMMUNICATIONS	(21) EP18722355.7	(47) 13.04.2022
(73) MEDIATEK SINGAPORE PTE. LTD.	(47) 13.04.2022	(22) 29.01.2020
(72) AGARWAL, Vidha	(87) US2018028003	(54) RESOURCE ALLOCATION
MOISANEN, Matti	25.10.2018	(73) Nokia Solutions and Networks Oy
NIEMI, Marko	(22) 17.04.2018	(72) WANG, Zhi
(31) 201715808754	(54) VIRTUALIZATION OF CONTROL AND	CAI, Yigang
201662419990 P	STATUS SIGNALS	GUO, Guanhua
(32) 09.11.2017	(73) Amazon Technologies, Inc.	(31) 20195110
10.11.2016	(72) JOHNSON, Robert, Michael	(32) 13.02.2019
(33) United States of America	BSHARA, Nafea	(33) Finland
United States of America	SESHADRI, Kiran Kalkunte	
(51) H04L 29/06	(31) 201715717196	(51) H04M 3/56
H04W 84/18	201762486921 P	G10L 21/02
H04W 4/38	(32) 27.09.2017	H04M 9/08
H04W 28/06	18.04.2017	H04N 7/14
H04L 29/12	(33) United States of America	H04N 7/15
H04W 12/04	United States of America	(11) EP3304880
(11) EP3541040	(51) H04L 29/08	(21) EP16727608.8
(21) EP18305301.6	H04W 84/00	(47) 13.04.2022
(47) 13.04.2022	H04L 12/24	(87) US2016034413
(22) 16.03.2018	H04L 12/717	08.12.2016
(54) METHOD AND APPARATUS FOR	H04L 12/721	(22) 26.05.2016
PROCESSING MESSAGE DATA	H04L 12/715	(54) AUDIO SIGNAL PROCESSING BASED
(73) ACKLIO	H04L 12/26	ON REMOTE USER CONTROL
(72) MINABURO, Ana	H04L 12/803	(73) Dolby Laboratories Licensing Corporation
PELOV, Alexander	H04W 36/00	(72) SHUANG, Zhiwei
(51) H04L 29/08	H04W 36/14	SUN, Xuejing
(11) EP3606005	(11) EP3726815	SHI, Dong
(21) EP17907595.7	(21) EP20178447.7	(31) 201510290470
(47) 13.04.2022	(47) 13.04.2022	201562181043 P
(87) CN2017082061	(22) 20.09.2016	(32) 29.05.2015
01.11.2018	(54) DISTRIBUTED SOFTWARE DEFINED	17.06.2015
(22) 26.04.2017	WIRELESS PACKET CORE SYSTEM	(33) China
(54) REDIRECTION METHOD, CONTROL	(73) Google LLC	United States of America
PLANE NETWORK ELEMENT,	(72) CHUNG, Bok Knun Randolph	(51) H04M 19/00
AGGREGATION USER PLANE	JAIN, Ankur	H04M 11/00
	SIPRA, Hassan	(11) EP3350981
		(21) EP16782088.5
		(47) 13.04.2022
		(87) GR2016000045

23.03.2017	(73) Murata Manufacturing Co., Ltd.	H04N 5/3745
(22) 14.09.2016	(72) SAKAGUCHI, Hitoshi	G01N 23/044
(54) LOW POWER MODEM AND CONTROLLER	FUJIMOTO, Katsumi	(11) EP3420722
(73) TBSP Engineering Technical Company	(31) 2017250770	(21) EP17705444.2
Societe Anonyme For Trading,	(32) 27.12.2017	(47) 13.04.2022
Construction, Support of Systems and Projects of High Technology and Safety and	(33) Japan	(87) EP2017053951
(72) TSIGIROGLOU, Kiriakos	(51) H04N 5/225	31.08.2017
(31) 20150100401	G03B 17/55	(22) 21.02.2017
(32) 15.09.2015	G02B 27/00	(54) DRIVING OF AN X-RAY DETECTOR TO COMPENSATE FOR CROSS SCATTER IN AN X-RAY IMAGING APPARATUS
(33) Greece	(11) EP3869779	(73) Koninklijke Philips N.V.
(51) H04N 1/028	(21) EP20157901.8	(72) ALVING, Peter, Lex
H04N 1/00	(47) 13.04.2022	STEGEHUIS, Herman
(11) EP3154248	(22) 18.02.2020	STEINHAUSER, Heidrun
(21) EP15802784.7	(54) A MONITORING CAMERA HAVING A HEATER	(31) 16156997
(47) 13.04.2022	(73) Axis AB	(32) 23.02.2016
(87) KR2015004979	(72) IDE, Hiroyuki	(33) European Patent Office (EPO)
10.12.2015	(51) H04N 5/225	
(22) 18.05.2015	H04N 5/341	(51) H04N 5/3745
(54) IMAGE READING APPARATUS AND IMAGE READING METHOD	H04N 5/91	H03K 5/24
(73) Hewlett-Packard Development Company, L.P.	(11) EP3203719	H04N 5/378
(72) KIM, Hong-seock	(21) EP15846336.4	H04N 5/357
KIM, Hye-soo	(47) 13.04.2022	(11) EP3748958
(31) 20140134077	(87) JP2015077382	(21) EP19747926.4
20140074189	07.04.2016	(47) 13.04.2022
20140068591	(22) 28.09.2015	(87) JP2019000666
(32) 06.10.2014	(54) ELECTRONIC IMAGING APPARATUS	08.08.2019
18.06.2014	(73) Nikon Corporation	(22) 11.01.2019
05.06.2014	(72) YAMAGATA, Naoki	(54) IMAGING ELEMENT AND ELECTRONIC DEVICE
(33) Korea (Republic)	MIYAKAWA, Yoshiaki	(73) Sony Semiconductor Solutions Corporation
Korea (Republic)	(31) 2014201953	(72) MOUE, Takashi
Korea (Republic)	(32) 30.09.2014	TOMITA, Kazutoshi
(51) H04N 1/60	(33) Japan	AKEBONO, Sachio
H04N 1/407	(51) H04N 5/232	IKEDA, Yusuke
G09G 5/06	(11) EP3432572	(31) 2018120557
(11) EP3399736	(21) EP18188825.6	2018016994
(21) EP18170031.1	(47) 13.04.2022	(32) 26.06.2018
(47) 13.04.2022	(22) 28.10.2015	02.02.2018
(22) 30.04.2018	(54) IMAGE CAPTURING ACCESSORY, IMAGE CAPTURING APPARATUS, CONTROL METHOD THEREOF AND COMMUNICATION CONTROL PROGRAM	(33) Japan
(54) COLOR CONVERSION LOOK-UP TABLE GENERATING DEVICE, METHOD, AND PROGRAM	(73) CANON KABUSHIKI KAISHA	Japan
(73) CANON KABUSHIKI KAISHA	(72) KAWANAMI, Akihiro	(51) H04N 5/445
(72) OCHIAI, Takashi	(31) 2014219941	H04N 5/45
MORIBE, Shoei	(32) 29.10.2014	H04N 7/173
(31) 2017091872	(33) Japan	H04N 21/436
(32) 02.05.2017	(51) H04N 5/232	H04N 21/443
(33) Japan	(11) EP3567844	H04N 21/258
(51) H04N 5/225	(21) EP19169632.7	(11) EP2842308
G03B 17/02	(47) 13.04.2022	(21) EP12717285.6
G03B 17/56	(22) 16.04.2019	(47) 13.04.2022
B06B 1/06	(54) CONTROL APPARATUS AND CONTROL METHOD	(87) EP2012057644
B08B 7/02	(73) CANON KABUSHIKI KAISHA	31.10.2013
G02B 27/00	(72) NIGA, Shota	(22) 26.04.2012
G03B 17/08	(31) 2018092329	(54) METHOD AND DEVICE FOR PROVIDING A MAIN CONTENT AND AN EXTRA CONTENT TO A USER THROUGH REFERENCE ITEM
B60S 1/56	(32) 11.05.2018	(73) Naxos Finance SA
(11) EP3664430	(33) Japan	(72) EZEQUIEL, Ruiz Rodriguez
(21) EP18893643.9	(51) H04N 5/32	(51) H04N 5/60
(47) 13.04.2022	A61B 6/00	H04N 5/63
(87) JP2018026355	G01T 1/20	H04N 21/439
04.07.2019	G01T 1/24	H04N 21/443
(22) 12.07.2018	G01T 1/29	(11) EP3493531
(54) VIBRATORY DEVICE AND OPTICAL DETECTION DEVICE	G01N 23/04	(21) EP17204913.2
	G01N 23/083	(47) 13.04.2022
		(22) 01.12.2017

(54) CONTROL DEVICE FOR USE IN AN ELECTRONIC APPARATUS	(47) 13.04.2022	(22) 15.06.2017
(73) Vestel Elektronik Sanayi ve Ticaret A.S.	(87) JP2017017077	(54) METHOD AND DEVICE FOR DIGITAL DATA COMPRESSION WITH SIGN BIT REMOVAL
(72) Dikici, Alihan	01.11.2018	(73) intoPIX
(51) H04N 5/64	(22) 28.04.2017	(72) CRUCIFIX, Gauthier
G09G 5/00	(54) VIDEO MONITORING SYSTEM	DENISON, Thomas
H04N 7/173	(73) HITACHI KOKUSAI ELECTRIC INC.	GILMONT, Tanguy
(11) EP2800361	(72) ITO, Wataru	PELLEGRIN, Pascal Hubert
(21) EP12863300.5	TOGASHI, Junichi	ROUVROY, Gaël
(47) 13.04.2022	(51) H04N 7/18	BUYSSCHAERT, Charles Daniel
(87) JP2012082379	G06F 9/4401	DESSY, Valentin
04.07.2013	G06F 3/14	(31) 201615394879
(22) 13.12.2012	G06F 9/451	(32) 30.12.2016
(54) DISPLAY DEVICE, DISPLAY CONTROL METHOD, PORTABLE TERMINAL DEVICE, AND PROGRAM	H04N 5/232	(33) United States of America
(73) Saturn Licensing LLC	(11) EP3537715	(51) H04N 19/147
(72) KONDO, Masao	(21) EP18211285.4	H04N 19/115
MATSUOKA, Fumiya	(47) 13.04.2022	H04N 19/146
TAKO, Hirotaka	(22) 10.12.2018	H04N 19/176
YANO, Ken	(54) IMAGE SENSOR SYSTEM, IMAGE SENSOR, DATA GENERATION METHOD OF IMAGE SENSOR IN IMAGE SENSOR SYSTEM, AND PROGRAM	H04N 19/154
(31) 2011288091	(73) OMRON Corporation	H04N 19/103
(32) 28.12.2011	(72) OKADA, Naoki	H04N 19/192
(33) Japan	(31) 2018041983	(11) EP3363200
(51) H04N 5/91	(32) 08.03.2018	(21) EP16770318.0
H04N 5/76	(33) Japan	(47) 13.04.2022
H04N 21/433	(51) H04N 9/31	(87) GB2016052883
H04N 21/845	B60Q 1/02	20.04.2017
(11) EP3570538	(11) EP3588945	(22) 15.09.2016
(21) EP19184307.7	(21) EP19180486.3	(54) DATA COMPRESSION
(47) 13.04.2022	(47) 13.04.2022	(73) Digital Barriers Services Ltd
(22) 17.07.2014	(22) 17.06.2019	(72) LAMBERT, Robert
(54) STORAGE METHOD, REGENERATION METHOD, STORAGE DEVICE, AND REGENERATION DEVICE	(54) SEMICONDUCTOR DEVICE AND METHOD FOR OUTPUTTING A MESSAGE IMAGE	(31) 201518290
(73) Sun Patent Trust	(73) Renesas Electronics Corporation	(32) 16.10.2015
(72) KATOU, Hisaya	(72) TAKAHASHI, Akihito	(33) United Kingdom
NISHI, Takahiro	KAWAGUCHI, Hirofumi	(51) H04N 19/463
IGUCHI, Noritaka	YASUDA, Koji	H04N 19/18
TOMA, Tadamasa	(31) 2018118017	H04N 19/105
(31) 2014136938	(32) 21.06.2018	H04N 19/102
201361856784 P	(33) Japan	H04N 19/157
(32) 02.07.2014	(51) H04N 13/122	H04N 19/184
22.07.2013	H04N 13/128	(11) EP3061246
(33) Japan	(11) EP3207698	(21) EP14824875.0
United States of America	(21) EP15767162.9	(47) 13.04.2022
(51) H04N 7/14	(47) 13.04.2022	(87) FR2014052673
H04N 7/15	(87) EP2015071929	30.04.2015
G06K 9/46	21.04.2016	(22) 21.10.2014
G06K 9/00	(22) 24.09.2015	(54) METHOD FOR ENCODING AND DECODING IMAGES, DEVICE FOR ENCODING AND DECODING IMAGES AND CORRESPONDING COMPUTER PROGRAMS
G06F 3/01	(54) PROCESSING OF DISPARITY OF A THREE DIMENSIONAL IMAGE	(73) ORANGE
(11) EP3400706	(73) Koninklijke Philips N.V.	(72) HENRY, Félix
(21) EP17736268.8	(72) VANDEWALLE, Patrick Luc Els	(31) 1360444
(47) 13.04.2022	VAREKAMP, Christiaan	(32) 25.10.2013
(87) US2017012203	(31) 14188756	(33) France
13.07.2017	(32) 14.10.2014	(51) H04N 19/91
(22) 04.01.2017	(33) European Patent Office (EPO)	H04N 19/463
(54) GAZE CORRECTION OF MULTI-VIEW IMAGES	(51) H04N 19/132	H03M 7/40
(73) RealD Spark, LLC	H04N 19/645	(11) EP2866444
(72) ROBINSON, Michael G.	H04N 19/124	(21) EP13807769.8
SOMMERLADE, Eric	H04N 19/146	(47) 13.04.2022
(31) 201662274897 P	H04N 19/18	(87) JP2013003607
(32) 05.01.2016	H04N 19/184	27.12.2013
(33) United States of America	(11) EP3343921	(22) 07.06.2013
(51) H04N 7/18	(21) EP17176196.8	(54) IMAGE ENCODING METHOD, IMAGE DECODING METHOD,
(11) EP3618427	(47) 13.04.2022	
(21) EP17907868.8		

IMAGE ENCODING DEVICE, IMAGE DECODING DEVICE	KOO, Changbum SHIN, Byounghyun KIM, Haejung	(54) METHOD AND SYSTEM FOR SAVING A SNAPSHOT OF GAME PLAY AND USED TO BEGIN LATER EXECUTION OF THE GAME PLAY BY ANY USER AS EXECUTED ON A GAME CLOUD SYSTEM
(73) Velos Media International Limited	(31) 20150186631	(73) Sony Interactive Entertainment America LLC
(72) TERADA, Kengo	(32) 24.12.2015	(72) KUSUMOTO, Akihiko
MATSUNOBU, Toru	(33) Korea (Republic)	NOSS, Landon
SHIBAHARA, Youji	(51) H04N 21/433	SHERWANI, Adil
NISHI, Takahiro	H04N 21/472	BENEDETTO, Warren
SUGIO, Toshiyasu	(11) EP3497938	(31) 201715411421
TANIKAWA, Kyoko	(21) EP17757921.6	201662349546 P
SASAI, Hisao	(47) 13.04.2022	(32) 20.01.2017
(31) 201261663121 P	(87) US2017044203	13.06.2016
(32) 22.06.2012	15.02.2018	(33) United States of America
(33) United States of America	(22) 27.07.2017	United States of America
(51) H04N 21/2343	(54) SYSTEMS AND METHODS FOR PERFORMING ADAPTIVE SCHEDULING OF MEDIA ASSET RECORDINGS	(51) H04Q 1/20
H04N 21/2347	(73) Rovi Guides, Inc.	H04Q 1/04
H04N 21/4405	(72) GUPTA, Ajay, Kumar	H04Q 1/02
H04N 21/4728	PULIKUNTA, Sai Rahul, Reddy	(11) EP3424227
(11) EP3494703	(31) 201615236132	(21) EP17760713.2
(21) EP17764869.8	(32) 12.08.2016	(47) 13.04.2022
(47) 13.04.2022	(33) United States of America	(87) US2017020189
(87) FR2017052139	(51) H04N 21/434	08.09.2017
08.02.2018	G06F 11/07	(22) 01.03.2017
(22) 28.07.2017	H04N 21/4425	(54) COMMUNICATION NODE
(54) METHOD OF READING AND GENERATING A VIDEO STREAM CONTAINING COMPRESSED AND ENCRYPTED IMAGES	H04N 21/647	(73) Molex, LLC
(73) Viaccess	(11) EP3264779	(72) PANELLA, Augusto
(72) HAMON, Vincent	(21) EP16177155.5	LANG, Harold Keith
(31) 1657613	(47) 13.04.2022	CHEN, Johnny
(32) 05.08.2016	(22) 30.06.2016	(31) 201662301926 P
(33) France	(54) APPARATUS ADAPTED FOR MAINTAINING RECEIVING DATA QUALITY AND METHOD FOR RECEIVING DATA	(32) 01.03.2016
(51) H04N 21/2668	(73) Apple Inc.	(33) United States of America
H04N 21/433	(72) PARRON, Jerome	(51) H04R 1/20
(11) EP3652953	KUGLER, Martin	H04R 1/26
(21) EP18732387.8	(51) H04N 21/45	(11) EP3440844
(47) 13.04.2022	G06F 13/00	(21) EP17859362.0
(87) EP2018067266	H04N 21/2668	(47) 13.04.2022
17.01.2019	H04N 21/435	(87) CN2017088760
(22) 27.06.2018	(11) EP3310065	20.12.2018
(54) METHOD FOR SIGNALLING A SUBSTITUTION TO A TERMINAL, METHOD FOR SUBSTITUTION BY A TERMINAL, CORRESPONDING COMPUTER PROGRAM PRODUCTS, SYSTEM AND TERMINAL	(21) EP16807220.5	(22) 16.06.2017
(73) TDF	(47) 13.04.2022	(54) MONOLITHIC LOUDSPEAKER AND CONTROL METHOD THEREOF
(72) VINCENT, David	(87) JP2016062984	(73) Goertek, Inc
(31) 1756595	15.12.2016	(72) SONDERGAARD, Morten Birkmose
(32) 12.07.2017	(22) 26.04.2016	(31) 201710439850
(33) France	(54) RECEIVING DEVICE, TRANSMISSION DEVICE AND DATA PROCESSING METHOD	(32) 12.06.2017
(51) H04N 21/422	(73) Sony Group Corporation	(33) China
H04M 1/725	(72) YAMAGISHI, Yasuaki	(51) H04R 1/40
H04N 5/44	(31) 2015116302	H04R 1/24
G06F 3/14	(32) 09.06.2015	H04R 5/02
G06F 9/451	(33) Japan	(11) EP3210390
H04N 21/41	(51) H04N 21/478	(21) EP14758234.0
H04N 21/436	A63F 13/49	(47) 13.04.2022
H04N 21/482	A63F 13/86	(87) US2014051554
H04N 21/81	A63F 13/47	25.02.2016
H04M 1/72412	A63F 13/30	(22) 18.08.2014
(11) EP3790281	(11) EP3469800	(54) A ROTATIONALLY SYMMETRIC SPEAKER ARRAY
(21) EP20198708.8	(21) EP17725118.8	(73) Apple Inc.
(47) 13.04.2022	(47) 13.04.2022	(72) JOHNSON, Martin E.
(22) 18.11.2016	(87) US2017032486	HOWES, Michael B.
(54) IMAGE DISPLAY DEVICE	21.12.2017	GEAVES, Gary P.
(73) LG Electronics Inc.	(22) 12.05.2017	SAUX, Tom-Davy William Jendrick
(72) KWON, Osung		DIX, Gordon R.
		(51) H04R 3/12

H04R 27/00	OF A HEARING AID AND METHOD	(54) DELAY TOLERANT DECENTRALIZED
G11B 27/34	FOR GENERATING TEST SIGNALS	NETWORK
H04R 3/04	THEREFORE	(73) Noodle Technology Inc.
(11) EP3599774	(73) Hörwelt Duisburg GmbH	(72) KARYAN, Kyude
(21) EP19192260.8	(72) BECKER, Kristof	BENOLIEL, Micha, Anthenor
(47) 13.04.2022	MÜLLER, Thomas Stefan	(31) 201762516590 P
(22) 23.05.2016	(31) 102017103808	(32) 07.06.2017
(54) DYNAMIC BONDING OF PLAYBACK	(32) 23.02.2017	(33) United States of America
DEVICES	(33) Germany	
(73) Sonos Inc.	(51) H04R 29/00	(51) H04W 4/029
(72) BECKHARDT, Steven	G10L 19/018	H04L 29/08
TRIPLETT, Mark	B60Q 5/00	H04W 4/20
(31) 201514731119	(11) EP3565277	H04W 4/38
(32) 04.06.2015	(21) EP19171553.1	H04W 4/70
(33) United States of America	(47) 13.04.2022	H04W 4/02
(51) H04R 5/02	(22) 29.04.2019	(11) EP3695625
H04S 3/00	(54) FAILURE DETECTION DEVICE,	(21) EP18783028.6
H04S 7/00	FAILURE DETECTION SYSTEM, AND	(47) 13.04.2022
(11) EP3541097	FAILURE DETECTION METHOD	(87) EP2018077854
(21) EP18161580.8	(73) Alpine Electronics, Inc.	18.04.2019
(47) 13.04.2022	(72) Yamada, Jyoji	(22) 12.10.2018
(22) 13.03.2018	Takaku, Isamu	(54) METHOD, TERMINAL, SYSTEM AND
(54) SPATIAL SOUND REPRODUCTION	Sugai, Taku	SOFTWARE OF NOTIFICATION OF
USING MULTICHANNEL	Saito, Nozomu	INFORMATION DETERMINED BY
LOUDSPEAKER SYSTEMS	(31) 2018088353	A TERMINAL DESTINED FOR AN
(73) Nokia Technologies Oy	(32) 01.05.2018	ACCESS NETWORK OF A WIRELESS
(72) ERONEN, Antti Johannes	(33) Japan	COMMUNICATION SYSTEM
VILKAMO, Juha Tapio	(51) H04S 1/00	(73) Sigfox
PIHLAJAKUJA, Tapani	H04S 3/00	(72) ISSON, Olivier
LAITINEN, Mikko-Ville Ilari	H04S 7/00	MARTY, Renaud
(51) H04R 9/06	(11) EP2486736	(31) 1759580
B06B 1/04	(21) EP10763570.8	(32) 12.10.2017
(11) EP3509322	(47) 13.04.2022	(33) France
(21) EP19150496.8	(87) US2010051371	(51) H04W 4/08
(47) 13.04.2022	14.04.2011	H04W 4/20
(22) 07.01.2019	(22) 04.10.2010	H04W 4/80
(54) DRIVER ASSEMBLIES, HEADPHONES	(54) MULTICHANNEL AUDIO SYSTEM	H04W 76/14
INCLUDING DRIVER ASSEMBLIES,	HAVING AUDIO CHANNEL	H04W 84/20
AND RELATED METHODS	COMPENSATION	H04W 8/00
(73) Skullcandy, Inc.	(73) Harman International Industries,	(11) EP3331315
(72) TIMOTHY, John	Incorporated	(21) EP17200306.3
NOERTKER, Sam	(72) SOULODRE, Gilbert, Arthur, Joseph	(47) 13.04.2022
HULL, Randall J.	(31) 248760 P	(22) 10.09.2013
WOOLSTON, Gregory R.	(32) 05.10.2009	(54) METHOD FOR DETERMINING THE
PIERCE, Andrew	(33) United States of America	GROUP OWNER IN INTER-DEVICE
SHEFFIELD, Branden	(51) H04W 4/02	COMMUNICATION
(31) 201815864307	(11) EP3332563	(73) LG Electronics Inc.
(32) 08.01.2018	(21) EP16745918.9	(72) KIM, Suhwook
(33) United States of America	(47) 13.04.2022	KIM, Jungwoo
(51) H04R 25/00	(87) US2016041004	KIM, Jinho
(11) EP2993918	09.02.2017	(31) 20130103107
(21) EP14183206.3	(22) 05.07.2016	201261702255 P
(47) 13.04.2022	(54) DEVICE-TO-DEVICE RANGING AND	(32) 29.08.2013
(22) 02.09.2014	POSITIONING	18.09.2012
(54) Hearing device with closure mechanism	(73) Qualcomm Incorporated	(33) Korea (Republic)
(73) GN Hearing A/S	(72) JIANG, Libin	United States of America
(72) Hansen, Finn	PATIL, Shailesh	(51) H04W 4/46
Nielsen, Henrik	(31) 201514820414	H04L 29/08
(51) H04R 25/00	(32) 06.08.2015	(11) EP3621327
A61B 5/12	(33) United States of America	(21) EP18192367.3
(11) EP3586526	(51) H04W 4/029	(47) 13.04.2022
(21) EP18714959.6	(11) EP3635979	(22) 04.09.2018
(47) 13.04.2022	(21) EP18735466.7	(54) METHOD FOR PREDICTIVE
(87) DE2018100164	(47) 13.04.2022	ESTIMATION OF TRANSMISSION
30.08.2018	(87) US2018036557	CONDITIONS FOR COMMUNICATION
(22) 23.02.2018	13.12.2018	BETWEEN TWO COMMUNICATION
(54) METHOD FOR PROVIDING A	(22) 07.06.2018	PARTNERS, DEVICE FOR CARRYING
CUSTOMIZABLE CONFIGURATION		OUT STEPS OF THE PROCESS,
		VEHICLE AND COMPUTER PROGRAM

(73) MAN Truck & Bus SE VOLKSWAGEN AKTIENGESELLSCHAFT	(54) METHOD AND DEVICE FOR EMERGENCY SERVICE SUPPORT INDICATION	H04W 76/12 H04W 8/20 H04W 12/04 H04W 60/04
(72) Aliev, Roman Jornod, Guillaume	(73) Huawei Technologies Co., Ltd. (72) WU, Xiaobo	(11) EP3745806
(51) H04W 4/70	CHONG, Weiwei	(21) EP19753785.5
H04L 5/00	(31) 201711158497	(47) 13.04.2022
H04W 4/00	(32) 20.11.2017	(87) CN2019074811
H04L 5/14	(33) China	22.08.2019
(11) EP3375122	(51) H04W 8/08	(22) 12.02.2019
(21) EP16795212.6	H04W 8/00	(54) COMMUNICATION METHOD AND DEVICE FOR COMMUNICATION BETWEEN TERMINAL DEVICE AND NETWORK FUNCTION
(47) 13.04.2022	(11) EP3364675	(73) HUAWEI TECHNOLOGIES CO., LTD.
(87) US2016059898	(21) EP16863665.2	(72) MA, Jingwang
18.05.2017	(47) 13.04.2022	ZHOU, Runze
(22) 01.11.2016	(87) CN2016105323	(31) 201810152374
(54) SOUNDING REFERENCE SIGNAL TRANSMISSIONS IN ENHANCED MACHINE TYPE COMMUNICATION	18.05.2017	(32) 14.02.2018
(73) Qualcomm Incorporated	(22) 10.11.2016	(33) China
(72) RICO ALVARINO, Alberto	(54) METHOD AND DEVICE FOR PROCESSING DISCOVERY MESSAGE	(51) H04W 12/08
XU, Hao	(73) Huawei Technologies Co., Ltd.	H04W 8/28
CHEN, Wanshi	(72) WANG, Ting	H04W 84/00
(31) 201615339132	LI, Yuanjie	(11) EP3482578
201662374128 P	ZHANG, Jian	(21) EP17739755.1
201562255451 P	(31) 201510767957	(47) 13.04.2022
(32) 31.10.2016	(32) 11.11.2015	(87) US2017036726
12.08.2016	(33) China	11.01.2018
14.11.2015	(51) H04W 12/06	(22) 09.06.2017
(33) United States of America	(11) EP3552417	(54) HYPER-NUMBER PORTABILITY
United States of America	(21) EP17804558.9	(73) Gogo Business Aviation LLC
United States of America	(47) 13.04.2022	(72) METZ, Michael
(51) H04W 4/80	(87) EP2017080609	LAUER, Bryan, Adrian
H04W 72/12	21.06.2018	(31) 201615202727
H04W 76/14	(22) 28.11.2017	(32) 06.07.2016
(11) EP3235329	(54) METHODS AND DEVICES FOR AUTHENTICATION	(33) United States of America
(21) EP14824465.0	(73) Nokia Technologies Oy	(51) H04W 12/125
(47) 13.04.2022	(72) WANG, Zhi	H04W 12/126
(87) EP2014078803	(31) 201611141823	H04L 29/06
23.06.2016	(32) 12.12.2016	(11) EP3440863
(22) 19.12.2014	(33) China	(21) EP17778730.6
(54) PROXIMITY SERVICES DEVICE-TO- DEVICE COMMUNICATION SERVICES CONTROL	(51) H04W 12/06	(47) 13.04.2022
(73) Nokia Solutions and Networks Oy	H04W 12/04	(87) FI2017050138
(72) HORNEMAN, Kari Veikko	H04L 9/32	12.10.2017
VAN PHAN, Vinh	H04W 12/00	(22) 03.03.2017
YU, Ling	H04L 29/06	(54) DIAMETER EDGE AGENT ATTACK DETECTION
(51) H04W 4/90	H02J 50/80	(73) Nokia Technologies Oy
H04W 36/00	H02J 50/00	(72) PEYLO, Martin
H04W 60/00	H02J 7/00	HOLTMANN, Silke
H04W 36/14	H02J 50/10	(31) 201662318819 P
H04W 36/16	H04L 9/08	(32) 06.04.2016
H04W 36/24	H04W 12/0431	(33) United States of America
H04W 76/15	H04W 12/069	(51) H04W 16/14
H04W 76/40	H04W 12/50	H04W 74/08
H04W 76/50	(11) EP3827609	(11) EP3308568
H04W 84/04	(21) EP20745370.5	(21) EP15894585.7
H04L 29/06	(47) 13.04.2022	(47) 13.04.2022
H04L 29/08	(87) US2020040240	(87) CN2015081040
H04W 88/14	07.01.2021	15.12.2016
(11) EP3697115	(22) 30.06.2020	(22) 09.06.2015
(21) EP18879702.1	(54) ANONYMOUS DEVICE AUTHENTICATION	(54) METHODS AND APPARATUSES FOR TRANSMITTING AND RECEIVING DATA
(47) 13.04.2022	(73) Google LLC	(73) Telefonaktiebolaget LM Ericsson (publ)
(87) CN2018116165	(72) FARAJI, Kiavash	(72) SHI, Cong
23.05.2019	SPANGLER, Randall	LI, Gen
(22) 19.11.2018	(31) 201962870167 P	(51) H04W 16/28
	(32) 03.07.2019	
	(33) United States of America	
	(51) H04W 12/069	

H04B 7/06	(54) METHOD FOR TRIGGERING	(73) Huawei Technologies Co., Ltd.
H04B 7/10	FREESTANDING RADIO RESOURCE	(72) HUANG, Zhong
H04W 88/02	CONTROL REPORT	ZHOU, Qiang
H04W 48/12	(73) Nokia Technologies Oy	LU, Peng
H04W 48/20	(72) TOMALA, Malgorzata	(31) 201710908317
H04W 36/00	HENTTONEN, Tero	(32) 29.09.2017
H04B 7/0452	(31) 201562269153 P	(33) China
(11) EP3637823	(32) 18.12.2015	(51) H04W 28/08
(21) EP19191452.2	(33) United States of America	H04W 8/12
(47) 13.04.2022	(51) H04W 28/02	H04L 12/911
(22) 16.11.2015	H04W 36/00	H04L 12/54
(54) APPARATUS	H04W 76/32	(11) EP2428053
(73) Sony Group Corporation	(11) EP3652981	(21) EP10721426.4
(72) Takano, Hiroaki	(21) EP18845581.0	(47) 13.04.2022
(31) 2015015974	(47) 13.04.2022	(87) EP2010056356
(32) 29.01.2015	(87) KR2018009249	11.11.2010
(33) Japan	21.02.2019	(22) 10.05.2010
(51) H04W 24/08	(22) 13.08.2018	(54) DETERMINATION OF LOCAL
H04W 24/02	(54) METHOD AND APPARATUS FOR	BREAKOUT CAPABILITY SUPPORT OF
H04W 24/10	PROCESSING ANCHOR USER	APN
H04W 92/20	PLANE FUNCTION (UPF) FOR LOCAL	(73) Nokia Solutions and Networks Oy
(11) EP3742787	OFFLOADING IN 5G CELLULAR	(72) HURTTA, Tuija, Helena
(21) EP19750434.3	NETWORK	SCHRAMM, Mirko
(47) 13.04.2022	(73) Samsung Electronics Co., Ltd.	(31) 213133 P
(87) CN2019071220	(72) KWEON, Kisuk	(32) 08.05.2009
15.08.2019	LEE, Jicheol	(33) United States of America
(22) 10.01.2019	PARK, Jungshin	(51) H04W 28/10
(54) METHOD FOR PROCESSING REMOTE	LEE, Jinsung	(11) EP3654692
INTERFERENCE MEASUREMENT	MOON, Sangjun	(21) EP18831039.5
SIGNAL, BASE STATION AND	BAE, Beomsik	(47) 13.04.2022
STORAGE MEDIUM	(31) 20170136422	(87) CN2018094810
(73) CHINA MOBILE COMMUNICATIONS	20170102882	17.01.2019
GROUP CO., LTD	(32) 20.10.2017	(22) 06.07.2018
China Mobile Communication Co., Ltd	14.08.2017	(54) METHOD, RELATED DEVICE,
Research Institute	(33) Korea (Republic)	AND SYSTEM FOR PROCESSING
(72) SHAO, Hua	Korea (Republic)	NETWORK SLICE CONGESTION
KE, Ting	(51) H04W 28/06	(73) Vivo Mobile Communication Co., Ltd.
XIA, Liang	H04L 29/08	(72) KANG, Yanchao
YANG, Guang	(11) EP3493587	(31) 201710567590
(31) 201810134886	(21) EP18214341.2	(32) 12.07.2017
(32) 09.02.2018	(47) 13.04.2022	(33) China
(33) China	(22) 27.05.2015	(51) H04W 28/22
(51) H04W 24/08	(54) APPARATUS AND METHOD FOR	H04W 88/18
H04W 24/04	DATA DELIVERY IN DELAY-TOLERANT	(11) EP3497965
H04W 76/19	NETWORK (DTN)	(21) EP17840180.8
(11) EP3641382	(73) NEC Corporation	(47) 13.04.2022
(21) EP18817107.8	(72) Kudou, Masato	(87) US2017046020
(47) 13.04.2022	Asai, Shigeru	15.02.2018
(87) CN2018091234	Shibouta, Hideto	(22) 09.08.2017
20.12.2018	Wakafuji, Kenji	(54) RAN-ASSISTED RATE ADAPTATION
(22) 14.06.2018	Watanabe, Shingo	(73) Kyocera Corporation
(54) WIRELESS LINK MONITORING	Ono, Masakazu	(72) CHANG, Henry
METHOD AND DEVICE	(31) 2014150407	(31) 201662373653 P
(73) Huawei Technologies Co. Ltd.	(32) 24.07.2014	(32) 11.08.2016
(72) LUO, Jun	(33) Japan	(33) United States of America
JIN, Yinghao	(51) H04W 28/06	(51) H04W 36/00
LIU, Jin	H04W 52/28	H04W 68/00
XIANG, Zhengzheng	H04W 52/32	(11) EP2934042
(31) 201710459721	H04W 52/42	(21) EP15167144.3
(32) 16.06.2017	H04W 52/14	(47) 13.04.2022
(33) China	(11) EP3681198	(22) 05.11.2009
(51) H04W 24/10	(21) EP18862065.2	(54) METHOD, APPARATUS AND SYSTEM
(11) EP3391684	(47) 13.04.2022	FOR PAGING PROCESSING AND
(21) EP16819181.5	(87) CN2018107618	INFORMATION DISPLAYING
(47) 13.04.2022	04.04.2019	(73) Huawei Technologies Co., Ltd.
(87) IB2016057509	(22) 26.09.2018	(72) Yin, Yu
22.06.2017	(54) INFORMATION PROCESSING	Yu, Yijun
(22) 09.12.2016	METHOD AND RELATED EQUIPMENT	(31) 200810225981

(32) 07.11.2008	(47) 13.04.2022	(72) LI, Patrick
(33) China	(87) EP2016073996	BLOECHL, Mark, Olden
(51) H04W 36/02	12.04.2018	RAY, Brian, Emery
H04W 36/00	(22) 07.10.2016	LUNA, Ricardo
(11) EP2941910	(54) DYNAMIC ACCESS BARRING	(31) 201715626083
(21) EP13870312.9	(73) Sony Group Corporation	(32) 17.06.2017
(47) 13.04.2022	(72) BERGGREN, Anders	(33) United States of America
(87) KR2013012033	NORD, Lars	(51) H04W 48/12
10.07.2014	WEI, Yuxin	(11) EP3497978
(22) 23.12.2013	MARTIN, Brian	(21) EP17757901.8
(54) APPARATUS AND METHOD FOR	(51) H04W 48/08	(47) 13.04.2022
SUPPORTING MOBILITY OF	(11) EP3487227	(87) JP2017029059
MOBILE STATION IN A WIRELESS	(21) EP17826965.0	15.02.2018
COMMUNICATION SYSTEM	(47) 13.04.2022	(22) 10.08.2017
(73) Samsung Electronics Co., Ltd.	(87) CN2017092447	(54) EXCHANGING NETWORK SLICING
(72) PARK, Jung-Shin	18.01.2018	RELATED INFORMATION BETWEEN
SON, Yeong-Moon	(22) 11.07.2017	BASE STATIONS
TAORI, Rakesh	(54) METHODS AND DEVICES FOR	(73) NEC Corporation
(31) 20130000200	ACCESSING A SYSTEM INFORMATION	(72) SIVAVAKEESAR, Sivapathalingham
(32) 02.01.2013	AREA OR A NETWORK AREA	(31) 201613899
(33) Korea (Republic)	(73) Datang Mobile Communications	(32) 12.08.2016
(51) H04W 36/08	Equipment Co., Ltd.	(33) United Kingdom
H04W 36/36	(72) LI, Hui	(51) H04W 48/12
H04W 36/14	CHEN, Runhua	H04W 72/04
H04W 88/02	SONG, Yang	H04W 92/18
H04W 84/12	GAO, Qiubin	H04W 48/14
H04W 48/18	HUANG, Qiuping	H04W 48/10
H04W 12/06	SU, Xin	(11) EP3355623
H04W 12/50	LI, Chuanjun	(21) EP16848528.2
(11) EP3490295	TAMRAKAR, Rakesh	(47) 13.04.2022
(21) EP18208137.2	YANG, Yu	(87) JP2016076804
(47) 13.04.2022	WANG, Mengjun	30.03.2017
(22) 23.11.2018	(31) 201610561774	(22) 12.09.2016
(54) HANDOVER BASED ON FILS	(32) 15.07.2016	(54) USER DEVICE, BASE STATION,
(73) CANON KABUSHIKI KAISHA	(33) China	COMMUNICATION METHOD, AND
(72) SAKAI, Tatsuhiko	(51) H04W 48/10	NOTIFICATION METHOD
(31) 2017226811	H04W 48/02	(73) NTT DOCOMO, INC.
(32) 27.11.2017	H04W 48/08	(72) NAGATA, Satoshi
(33) Japan	H04W 48/12	YASUKAWA, Shimpei
(51) H04W 36/12	(11) EP3619959	ZHAO, Qun
H04W 72/12	(21) EP18727933.6	HARADA, Hiroki
H04W 36/18	(47) 13.04.2022	(31) 2015187521
(11) EP3637926	(87) US2018031187	(32) 24.09.2015
(21) EP17914804.4	15.11.2018	(33) Japan
(47) 13.04.2022	(22) 04.05.2018	(51) H04W 48/16
(87) CN2017089859	(54) UNIFIED ACCESS CONTROL	H04L 5/00
27.12.2018	(73) QUALCOMM Incorporated	H04W 84/04
(22) 23.06.2017	(72) CHAPONNIERE, Lenaig Genevieve	(11) EP3141042
(54) METHOD, DEVICE AND SYSTEM FOR	HORN, Gavin Bernard	(21) EP15709769.2
REALIZING SERVICE CONTINUITY	OZTURK, Ozcan	(47) 13.04.2022
(73) Huawei Technologies Co., Ltd.	GRIOT, Miguel	(87) SE2015050123
(72) ZHOU, Han	(31) 201815970712	12.11.2015
SUN, Dekui	201762502661 P	(22) 04.02.2015
(51) H04W 36/26	(32) 03.05.2018	(54) DISCOVERY SIGNAL DESIGN IN A
H04W 4/00	06.05.2017	RADIO COMMUNICATIONS NETWORK
H04W 4/02	(33) United States of America	(73) Telefonaktiebolaget LM Ericsson (publ)
(11) EP3697132	United States of America	(72) BEHRAVAN, Ali
(21) EP19156933.4	(51) H04W 48/10	LARSSON, Daniel
(47) 13.04.2022	H04W 76/00	KOORAPATY, Havish
(22) 13.02.2019	(11) EP3639565	FRENNE, Mattias
(54) HANDOVER OF A LATENCY CRITICAL	(21) EP18734671.3	JÖNGREN, George
APPLICATION	(47) 13.04.2022	(31) 201461990753 P
(73) Deutsche Telekom AG	(87) US2018034827	(32) 09.05.2014
(72) Schnieders, Dominik	20.12.2018	(33) United States of America
(51) H04W 48/02	(22) 29.05.2018	(51) H04W 48/16
(11) EP3524014	(54) BLE COMMUNICATIONS SYSTEM AND	H04W 56/00
(21) EP16778033.7	METHOD	H04W 74/00
	(73) Link Labs, Inc.	H04W 74/08

H04L 5/00	(32) 03.08.2017	(31) 201916407947
H04W 16/14	(33) China	(32) 09.05.2019
H04W 16/28	(51) H04W 52/02	(33) United States of America
H04W 48/12	(11) EP3466160	(51) H04W 52/02
(11) EP3659380	(21) EP16725847.4	H04W 4/20
(21) EP18756030.5	(47) 13.04.2022	H04W 4/70
(47) 13.04.2022	(87) EP2016062035	H04W 88/06
(87) US2018044107	30.11.2017	H04W 4/021
31.01.2019	(22) 27.05.2016	H04W 4/02
(22) 27.07.2018	(54) DELAYED DEVICE ACTIVATION	H04W 84/18
(54) RACH CONFIGURATIONS FOR NR	(73) Telefonaktiebolaget LM Ericsson (publ)	H04L 29/08
SHARED SPECTRUM	(72) ÅSTRÖM, Magnus	H04W 60/04
(73) QUALCOMM Incorporated	LINDOFF, Bengt	(11) EP3659373
(72) DAMNJANOVIC, Aleksandar	(51) H04W 52/02	(21) EP18860761.8
RADULESCU, Andrei Dragos	G07C 9/00	(47) 13.04.2022
YERRAMALLI, Srinivas	H04W 12/08	(87) KR2018010981
KADOUS, Tamer	H04W 12/069	04.04.2019
(31) 201816046425	H04W 88/06	(22) 18.09.2018
201762538466 P	H04W 84/12	(54) APPARATUS FOR CONTROLLING
(32) 26.07.2018	(11) EP3513619	OPERATION CYCLE OF
28.07.2017	(21) EP17772787.2	ELECTRONIC DEVICE IN WIRELESS
(33) United States of America	(47) 13.04.2022	COMMUNICATION SYSTEM
United States of America	(87) US2017047280	(73) Samsung Electronics Co., Ltd.
(51) H04W 48/16	22.03.2018	(72) CHA, Ji Young
H04W 84/04	(22) 31.08.2017	KIM, Hye Jeong
(11) EP3654700	(54) ENERGY EFFICIENT SECURE WI-	AHN, Jung Hoon
(21) EP19192641.9	FI CREDENTIALING FOR ACCESS	(31) 20170124196
(47) 13.04.2022	CONTROL SYSTEMS	(32) 26.09.2017
(22) 16.06.2011	(73) Carrier Corporation	(33) Korea (Republic)
(54) ECGI TRANSMITTING AND RECEIVING	(72) LAKAMRAJU, Vijaya Ramaraju	(51) H04W 52/02
DEVICES	ZHU, Haifeng	H04W 76/28
(73) Huawei Technologies Co. Ltd.	(31) 201662394443 P	H04W 76/23
(72) LIU, Yi	(32) 14.09.2016	(11) EP3141075
(51) H04W 48/18	(33) United States of America	(21) EP14796769.9
H04W 48/06	(51) H04W 52/02	(47) 13.04.2022
H04W 88/02	H04B 7/06	(87) EP2014074416
H04W 88/08	(11) EP3665961	12.11.2015
(11) EP3499973	(21) EP18753509.1	(22) 12.11.2014
(21) EP16915447.3	(47) 13.04.2022	(54) METHODS AND APPARATUSES FOR
(47) 13.04.2022	(87) US2018043428	INDICATING AND ADAPTING THE
(87) CN2016098338	14.02.2019	ACTIVITY STATE OF A WIRELESS
15.03.2018	(22) 24.07.2018	DEVICE HAVING DEVICE-TO-DEVICE
(22) 07.09.2016	(54) WAKE UP PROCEDURE USING	COMMUNICATION CAPABILITIES
(54) ACCESS CONTROL METHOD AND	PSEUDO-OMNI BEAM	(73) Telefonaktiebolaget LM Ericsson (publ)
APPARATUS	(73) QUALCOMM Incorporated	(72) SIOMINA, Iana
(73) Huawei Technologies Co., Ltd.	(72) SAMPATH, Ashwin	KAZMI, Muhammad
(72) ZHU, Fenqin	SUBRAMANIAN, Sundar	(31) 201461990245 P
WANG, Yuan	LUO, Jianghong	(32) 08.05.2014
(51) H04W 48/18	NAGARAJA, Sumeeth	(33) United States of America
H04W 48/08	ISLAM, Muhammad Nazmul	(51) H04W 52/02
H04W 88/06	(31) 201816042780	H04W 84/18
H04W 48/12	201762544731 P	H04W 68/12
H04W 48/16	(32) 23.07.2018	(11) EP2786619
H04W 36/14	11.08.2017	(21) EP11876557.7
H04W 84/04	(33) United States of America	(47) 13.04.2022
(11) EP3664519	United States of America	(87) IB2011002933
(21) EP18842266.1	(51) H04W 52/02	06.06.2013
(47) 13.04.2022	H04M 1/725	(22) 02.12.2011
(87) CN2018091799	H04M 1/72454	(54) FACILITATING POWER
07.02.2019	(11) EP3737165	CONSERVATION FOR LOCAL AREA
(22) 19.06.2018	(21) EP20171611.5	TRANSMISSIONS
(54) CORE NETWORK ACCESSING	(47) 13.04.2022	(73) Nokia Technologies Oy
METHODS, BASE STATION, AND UE	(22) 27.04.2020	(72) RUUSKA, Päivi, Marjut
(73) Datang Mobile Communications	(54) MOBILE DEVICE TRANSPORTATION	KNECKT, Jarkko, Lauri, Sakari
Equipment Co., Ltd.	MODE MANAGEMENT	HOTTINEN, Ari
(72) QUAN, Haiyang	(73) STMicroelectronics Inc.	(51) H04W 52/34
LIANG, Jing	(72) CHOWDHARY, Mahesh	H04W 52/38
(31) 201710656723	JAIN, Mahaveer	(11) EP3497986

(21) EP17731005.9	(47) 13.04.2022	(54) EFFICIENT UTILIZATION OF SSBS IN NEW RADIO SYSTEMS
(47) 13.04.2022	(87) US2018053329	(73) Sony Group Corporation
(87) US2017035512	02.05.2019	(72) XI, Fengjun
15.02.2018	(22) 28.09.2018	PAN, Kyle Jung-Lin
(22) 01.06.2017	(54) POWER CONTROL FOR CONCURRENT RECEPTION	STERN-BERKOWITZ, Janet A.
(54) METHODS AND APPARATUSES FOR POWER ALLOCATION ACROSS MULTIPLE CARRIERS USING SHARED AND DEDICATED RADIO FREQUENCY SPECTRUM	(73) QUALCOMM Incorporated	(31) 201762543119 P
(73) QUALCOMM Incorporated	(72) HAMPEL, Karl Georg	201762519532 P
(72) YERRAMALLI, Srinivas	LI, Junyi	201762500901 P
GAAL, Peter	ABEDINI, Navid	(32) 09.08.2017
CHEN, Wanshi	(31) 201816144530	14.06.2017
ZHANG, Xiaoxia	201762578303 P	03.05.2017
(31) 201715609815	(32) 27.09.2018	(33) United States of America
201662372696 P	27.10.2017	United States of America
(32) 31.05.2017	(33) United States of America	United States of America
09.08.2016	United States of America	(51) H04W 60/00
(33) United States of America	(51) H04W 56/00	H04W 76/25
United States of America	(11) EP3429282	H04W 36/00
(51) H04W 52/36	(21) EP16893538.5	H04W 76/34
H04W 72/04	(47) 13.04.2022	(11) EP3678428
H04L 1/00	(87) JP2016057815	(21) EP20158618.7
H04W 52/38	14.09.2017	(47) 13.04.2022
(11) EP3417659	(22) 11.03.2016	(22) 18.08.2011
(21) EP17753582.0	(54) WIRELESS COMMUNICATION SYSTEM, TERMINAL APPARATUS, BASE STATION APPARATUS, AND WIRELESS COMMUNICATION METHOD	(54) METHOD TO MAINTAIN CALL CONTINUITY
(47) 13.04.2022	(73) Fujitsu Limited	(73) BlackBerry Limited
(87) SE2017050151	(72) KAWASAKI, Yoshihiro	(72) CHIN, Chen Ho
24.08.2017	(51) H04W 56/00	BAKKER, Jan Hendrik Lucas
(22) 17.02.2017	H04B 7/06	FACCIN, Stefano
(54) SYSTEMS AND METHODS OF PROVIDING A GUARD INTERVAL FOR TRANSMISSIONS IN A COMMUNICATION SYSTEM	H04L 5/00	BURBIDGE, Richard Charles
(73) Telefonaktiebolaget LM Ericsson (PUBL)	(11) EP3684111	(31) 37486910 P
(72) JÖNGREN, George	(21) EP17928296.7	(32) 18.08.2010
KARIPIDIS, Eleftherios	(47) 13.04.2022	(33) United States of America
LINDBOM, Lars	(87) CN2017105725	(51) H04W 68/02
HESSLER, Martin	18.04.2019	H04B 1/713
BALDEMAIR, Robert	(22) 11.10.2017	H04L 5/00
(31) 201662296583 P	(54) CORRESPONDENCE INDICATING AND DETERMINING METHOD, BASE STATION, AND USER EQUIPMENT	H04W 16/14
(32) 17.02.2016	(73) Beijing Xiaomi Mobile Software Co., Ltd.	H04W 52/02
(33) United States of America	(72) LIU, Yang	H04W 74/08
(51) H04W 52/40	(51) H04W 56/00	H04W 48/12
G01S 19/48	H04J 3/00	H04W 48/16
H04W 36/00	H04B 7/06	(11) EP3704909
H04W 52/14	(11) EP3499749	(21) EP18799652.5
(11) EP3580967	(21) EP16912370.0	(47) 13.04.2022
(21) EP17832486.9	(47) 13.04.2022	(87) US2018057077
(47) 13.04.2022	(87) CN2016094902	09.05.2019
(87) EP2017082585	15.02.2018	(22) 23.10.2018
16.08.2018	(22) 12.08.2016	(54) PAGING SUPER FRAME WINDOW FOR NARROWBAND COMMUNICATIONS USING THE UNLICENSED SPECTRUM
(22) 13.12.2017	(54) DEVICE AND METHOD FOR INFORMATION INDICATION AND COMMUNICATION SYSTEM	(73) Qualcomm Incorporated
(54) CELLULAR TELECOMMUNICATIONS NETWORK	(73) Fujitsu Limited	(72) KADOUS, Tamer
(73) British Telecommunications public limited company	(72) WANG, Xin	LIU, Chih-Hao
(72) TUKMANOV, Anvar	WANG, Weiwei	YERRAMALLI, Srinivas
MEHRAN, Farhad	(51) H04W 56/00	(31) 201816167417
MACKENZIE, Richard	H04J 11/00	201762579080 P
(31) 17155116	H04L 27/26	(32) 22.10.2018
(32) 08.02.2017	(11) EP3619978	30.10.2017
(33) European Patent Office (EPO)	(21) EP18725726.6	(33) United States of America
(51) H04W 52/46	(47) 13.04.2022	United States of America
H04W 52/38	(87) US2018030204	(51) H04W 72/02
(11) EP3701749	08.11.2018	H04W 72/06
(21) EP18786634.8	(22) 30.04.2018	(11) EP3657884
		(21) EP17920936.6
		(47) 13.04.2022
		(87) CN2017096360
		14.02.2019
		(22) 08.08.2017

(54) SERVICE DATA TRANSMISSION METHOD AND APPARATUS	(47) 13.04.2022	(54) METHOD FOR REASSIGNING ROOT SEQUENCE INDEX AND APPARATUS THEREFOR
(73) Huawei Technologies Co., Ltd.	(87) CN2016111357	(73) Samsung Electronics Co., Ltd.
(72) WANG, Hejun	10.08.2017	(72) HAN, Kiyoun
LIU, Hang	(22) 21.12.2016	(31) 20170022961
LI, Mingchao	(54) A METHOD AND APPARATUS FOR DETERMINING THE SCHEDULE GAP	(32) 21.02.2017
CAO, Zhenzhen	(73) ZTE Corporation	(33) Korea (Republic)
YU, Yinghui	(72) DAL, Bo	
(51) H04W 72/02	FANG, Huiying	(51) H04W 72/04
H04W 72/12	XIA, Shuqiang	H04W 72/12
(11) EP3498024	LI, Shupeng	(11) EP3624526
(21) EP17839926.7	SHI, Jing	(21) EP17924962.8
(47) 13.04.2022	YUAN, Yifei	(47) 13.04.2022
(87) SE2017050803	(31) 201610222408	(87) CN2017101656
15.02.2018	201610147407	21.03.2019
(22) 08.08.2017	201610082244	(22) 13.09.2017
(54) METHODS OF SCHEDULING TRANSMISSIONS USING TIMING LIMITS AND RELATED WIRELESS COMMUNICATION DEVICES	(32) 11.04.2016	(54) RESOURCE INDICATION METHOD AND DEVICE, AND COMPUTER STORAGE MEDIUM
(73) Telefonaktiebolaget LM Ericsson (publ)	15.03.2016	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) TEJEDOR, Erika	05.02.2016	(72) TANG, Hai
SORRENTINO, Stefano	(33) China	
ZANG, Yunpeng	China	(51) H04W 72/04
DO, Hieu	China	H04W 72/12
(31) 201662374210 P	(51) H04W 72/04	H04L 5/00
(32) 12.08.2016	H04L 27/26	(11) EP3700274
(33) United States of America	H04L 5/00	(21) EP18879138.8
(51) H04W 72/04	(11) EP2949173	(47) 13.04.2022
(11) EP3092727	(21) EP14743504.4	(87) CN2018114995
(21) EP15733165.3	(47) 13.04.2022	23.05.2019
(47) 13.04.2022	(87) US2014012944	(22) 12.11.2018
(87) US2015010235	31.07.2014	(54) DOWNLINK CONTROL INFORMATION DETERMINATION METHOD AND COMMUNICATION DEVICE
09.07.2015	(22) 24.01.2014	(73) Huawei Technologies Co., Ltd.
(22) 06.01.2015	(54) CELL IDENTITY DESIGN FOR LTE-ADVANCED	(72) SHAO, Jiafeng
(54) APPARATUS TO SUPPORT A FAST TDD CONFIGURATION INDICATION	(73) BlackBerry Limited	LYU, Yongxia
(73) Apple Inc.	(72) KIM, Joon Beom	MA, Ruixiang
(72) HUANG, Rui	CAI, Zhijun	SONG, Xinghua
HE, Hong	XU, Hua	(31) 201711149124
(31) 201414498441	(31) 201313749508	(32) 17.11.2017
201461924194 P	(32) 24.01.2013	(33) China
(32) 26.09.2014	(33) United States of America	
06.01.2014	(51) H04W 72/04	(51) H04W 72/04
(33) United States of America	H04W 8/00	H04W 74/08
United States of America	(11) EP3413662	H04W 56/00
(51) H04W 72/04	(21) EP18184417.6	H04W 16/28
(11) EP3614759	(47) 13.04.2022	(11) EP3679756
(21) EP17906508.1	(22) 22.10.2014	(21) EP18853714.6
(47) 13.04.2022	(54) RADIO BASE STATION, USER TERMINAL AND RADIO COMMUNICATION METHOD	(47) 13.04.2022
(87) CN2017083328	(73) NTT DOCOMO, INC.	(87) KR2018010463
25.10.2018	(72) HARADA, Hiroki	14.03.2019
(22) 05.05.2017	NAGATA, Satoshi	(22) 07.09.2018
(54) METHOD AND DEVICE FOR CONFIGURING TIME-FREQUENCY RESOURCE TRANSMISSION DIRECTION	TAKEDA, Kazuki	(54) METHOD AND APPARATUS FOR RESOURCE DETERMINATION, RESOURCE CONFIGURATION, TRANSMITTING RANDOM ACCESS PREAMBLE AND RANDOM ACCESS
(73) Huawei Technologies Co., Ltd.	(31) 2013227341	(73) Samsung Electronics Co., Ltd.
(72) ZHUANG, Hongcheng	(32) 31.10.2013	(72) QIAN, Chen
ZHANG, Lili	(33) Japan	XIONG, Qi
LI, Guorong	(51) H04W 72/04	YU, Bin
(31) 201710267471	H04W 24/04	SUN, Feifei
(32) 21.04.2017	H04W 88/18	(31) 201711158524
(33) China	H04W 74/00	201711140825
(51) H04W 72/04	H04L 1/00	201710813778
H04L 5/00	H04W 24/02	201710807829
(11) EP3413646	(11) EP3573400	(32) 20.11.2017
(21) EP16889145.5	(21) EP18758085.7	16.11.2017
	(47) 13.04.2022	
	(87) KR2018002080	
	30.08.2018	
	(22) 20.02.2018	

11.09.2017	TRANSMISSIONS ON A CONTENTION-	BAGHEL, Sudhir Kumar
08.09.2017	BASED PHYSICAL UPLINK SHARED	(31) 201916413763
(33) China	CHANNEL	201862678971 P
China	(73) Qualcomm Incorporated	(32) 16.05.2019
China	(72) PATEL, Shimmman Arvind	31.05.2018
China	CHEN, Wanshi	(33) United States of America
(51) H04W 72/04	(31) 201615362350	United States of America
H04W 84/12	201662307234 P	(51) H04W 74/08
H04W 74/00	(32) 28.11.2016	H04B 7/26
H04W 74/06	11.03.2016	H04W 74/00
H04W 74/08	(33) United States of America	(11) EP3524027
(11) EP3195676	United States of America	(21) EP17755348.4
(21) EP15834140.4	(51) H04W 72/12	(47) 13.04.2022
(47) 13.04.2022	H04W 40/36	(87) US2017045615
(87) KR2015008821	H04W 40/24	12.04.2018
25.02.2016	(11) EP3629658	(22) 04.08.2017
(22) 24.08.2015	(21) EP19754007.3	(54) DIRECTIONAL CHANNEL
(54) APPARATUS AND METHOD FOR	(47) 13.04.2022	RESERVATION FOR TIME-DIVISION
OPERATING RESOURCE IN	(87) CN2019074864	MULTIPLEXING DOWNLINK AND
WIRELESS LOCAL AREA NETWORK	22.08.2019	UPLINK DATA BURST TRANSMISSION
SYSTEM SUPPORTING MULTI-USER	(22) 12.02.2019	(73) Qualcomm Incorporated
TRANSMISSION SCHEME	(54) ROUTING UPDATING METHOD AND	(72) SUN, Jing
(73) Samsung Electronics Co., Ltd	DEVICE, AND SCHEDULING REQUEST	KADOUS, Tamer
(72) CHANG, Sang-Hyun	CANCELING METHOD AND DEVICE	LUO, Tao
JO, O-Hyun	(73) Huawei Technologies Co., Ltd.	(31) 201715482511
KANG, Hyun-Jeong	(72) WANG, Jian	201662404162 P
JUNG, Byoung-Hoon	KUANG, Yiru	(32) 07.04.2017
(31) 20140161575	CAO, Zhenzhen	04.10.2016
20140145251	YAO, Chuting	(33) United States of America
20140131896	TENNY, Nathan Edward	United States of America
20140117230	(31) 201810150653	(51) H04W 74/08
20140109714	(32) 13.02.2018	H04W 84/12
(32) 19.11.2014	(33) China	(11) EP3386262
24.10.2014	(51) H04W 74/00	(21) EP18156408.9
30.09.2014	H04W 74/08	(47) 13.04.2022
03.09.2014	(11) EP3756405	(22) 21.11.2013
22.08.2014	(21) EP19795892.9	(54) OFDMA CONTENTION METHOD AND
(33) Korea (Republic)	(47) 13.04.2022	ACCESS POINT
Korea (Republic)	(87) KR2019005236	(73) Huawei Technologies Co., Ltd.
Korea (Republic)	07.11.2019	(72) LI, Yunbo
Korea (Republic)	(22) 30.04.2019	WU, Tianyu
Korea (Republic)	(54) APPARATUS AND METHOD OF	ZHANG, Lianbo
(51) H04W 72/08	TRANSMITTING AND RECEIVING	(31) 201310094952
H04W 84/04	MESSAGE 3 PROTOCOL DATA UNIT	(32) 22.03.2013
(11) EP3654720	(73) Samsung Electronics Co., Ltd.	(33) China
(21) EP19208766.6	(72) KIM, Soenghun	(51) H04W 76/10
(47) 13.04.2022	AGIWAL, Anil	H04W 76/20
(22) 13.11.2019	(31) 201862686793 P	(11) EP3620025
(54) METHOD OF DYNAMICALLY	201862664378 P	(21) EP18711736.1
SELECTING COMMUNICATION	(32) 19.06.2018	(47) 13.04.2022
RESOURCES IN A HETEROGENEOUS	30.04.2018	(87) US2018019955
CELLULAR NETWORK	(33) United States of America	08.11.2018
(73) Commissariat à l'énergie atomique et aux	United States of America	(22) 27.02.2018
énergies alternatives	(51) H04W 74/08	(54) FAST USER EQUIPMENT
(72) MISCOPEIN, Benoît	(11) EP3804445	RECONFIGURATION SIGNALING IN
DE DOMENICO, Antonio	(21) EP19728291.6	WIRELESS COMMUNICATION
(31) 1860560	(47) 13.04.2022	(73) Qualcomm Incorporated
(32) 15.11.2018	(87) US2019032938	(72) BALASUBRAMANIAN, Srinivasan
(33) France	05.12.2019	GHOLMIEH, Aziz
(51) H04W 72/12	(22) 17.05.2019	MAHESHWARI, Shailesh
(11) EP3427533	(54) REFERENCE SIGNAL DESIGN FOR	SHI, Yongsheng
(21) EP17703508.6	MEDIUM ACCESS IN CELLULAR V2X	AMERGA, Daniel
(47) 13.04.2022	COMMUNICATION	(31) 201815905529
(87) US2017013299	(73) QUALCOMM Incorporated	201762500429 P
14.09.2017	(72) WU, Zhibin	(32) 26.02.2018
(22) 13.01.2017	GULATI, Kapil	02.05.2017
(54) TECHNIQUES FOR ACKNOWLEDGING	ABEDINI, Navid	(33) United States of America
SCHEDULING REQUEST	LI, Junyi	United States of America

(51) H04W 76/14	01.01.2017	(51) H04W 88/04
H04W 4/44	18.11.2016	H04W 28/12
H04W 80/04	11.11.2016	H04W 16/32
(11) EP3787368	07.11.2016	(11) EP3576487
(21) EP20191025.4	03.11.2016	(21) EP19186788.6
(47) 13.04.2022	14.10.2016	(47) 13.04.2022
(22) 14.08.2020	07.10.2016	(22) 18.05.2015
(54) METHOD AND APPARATUS	06.10.2016	(54) APPARATUS FOR ROUTING CONTROL
FOR HEADER COMPRESSION	27.09.2016	IN A NETWORK
CONFIGURATION FOR SIDELINK	(33) United States of America	(73) Sony Group Corporation
RADIO BEARER IN A WIRELESS	United States of America	(72) Tsuda, Shinichiro
COMMUNICATION SYSTEM	United States of America	(31) 2014141234
(73) ASUSTek Computer Inc.	United States of America	(32) 09.07.2014
(72) PAN, Li-Te	United States of America	(33) Japan
KUO, Richard Lee-Chee	United States of America	(51) H04W 88/08
(31) 201962890852 P	United States of America	H04W 24/02
(32) 23.08.2019	United States of America	(11) EP2181562
(33) United States of America	United States of America	(21) EP08794962.4
(51) H04W 76/14	United States of America	(47) 13.04.2022
H04W 72/04	(51) H04W 84/12	(87) US2008009304
H04L 1/12	H04W 52/02	26.02.2009
H04L 1/18	H04W 88/06	(22) 31.07.2008
H04W 92/18	H04W 84/20	(54) SELF-CONFIGURING SMALL SCALE
(11) EP3179824	(11) EP3809796	BASE STATION
(21) EP15830260.4	(21) EP20202377.6	(73) Avago Technologies International Sales
(47) 13.04.2022	(47) 13.04.2022	Pte. Limited
(87) JP2015072416	(22) 16.10.2020	(72) ZHANG, Yan
11.02.2016	(54) STANDBY AND REACTIVATION	WAHLSTROM, Donald, P.
(22) 06.08.2015	METHODS OF AT LEAST PART OF	(31) 965193 P
(54) USER TERMINAL AND PROCESSOR	A WIRELESS COMMUNICATIONS	965116 P
(73) Kyocera Corporation	NETWORK AND NETWORK	(32) 17.08.2007
(72) MATSUMOTO, Naohisa	COLLECTION NODE	17.08.2007
(31) 201462035174 P	(73) SAGEMCOM BROADBAND SAS	(33) United States of America
(32) 08.08.2014	(72) RABY, Florent	United States of America
(33) United States of America	GRAUL, Alexis	(51) H05B 3/22
(51) H04W 76/18	ZAOUIA, Farid	(11) EP3329737
H04W 76/19	(31) 1911655	(21) EP16740977.0
H04W 24/08	(32) 18.10.2019	(47) 13.04.2022
H04W 48/20	(33) France	(87) EP2016065541
(11) EP3522666	(51) H04W 84/12	09.02.2017
(21) EP17856731.9	H04W 72/04	(22) 01.07.2016
(47) 13.04.2022	H04W 72/12	(54) CONNECTING THERMALLY-SPRAYED
(87) KR2017010717	H04L 5/00	LAYER STRUCTURES OF HEATING
05.04.2018	H04L 5/14	DEVICES
(22) 27.09.2017	(11) EP3579647	(73) BSH Hausgeräte GmbH
(54) METHOD WHEREBY USER	(21) EP18845429.2	(72) KOBLE, Stefan
EQUIPMENT OPERATES IN WIRELESS	(47) 13.04.2022	SCHALLER, Philipp
COMMUNICATION SYSTEM, AND	(87) KR2018011630	KÜHN, Robert
DEVICE FOR SUPPORTING SAME	04.04.2019	(31) 102015214627
(73) LG Electronics Inc.	(22) 01.10.2018	(32) 31.07.2015
(72) PARK, Hanjun	(54) METHODS FOR TRANSMITTING	(33) Germany
SEO, Inkwon	AND RECEIVING ACK INFORMATION	(51) H05B 3/24
KIM, Kijun	IN WIRELESS LAN SYSTEM, AND	(11) EP3378279
KIM, Eunsun	DEVICES FOR SAME	(21) EP16797946.7
KO, Hyunsoo	(73) LG Electronics Inc.	(47) 13.04.2022
PARK, Changhwan	(72) KIM, Jinmin	(87) EP2016078161
YI, Yujung	PARK, Sungjin	26.05.2017
(31) 201762442939 P	CHOI, Jinsoo	(22) 18.11.2016
201762441432 P	YUN, Sunwoong	(54) RADIATOR MEANS FOR AN
201662423782 P	(31) 201762581048 P	ELECTRICAL HEATER AND
201662421191 P	201762575533 P	ELECTRICAL HEATER
201662418746 P	201762565118 P	(73) DBK David + Baader GmbH
201662417278 P	(32) 03.11.2017	(72) WERLING, Wolfgang
201662408535 P	23.10.2017	LEHMANN, Didier
201662405850 P	29.09.2017	(31) 102015120183
201662404773 P	(33) United States of America	(32) 20.11.2015
201662400598 P	United States of America	(33) Germany
(32) 05.01.2017	United States of America	(51) H05B 3/84

H01R 13/66	H02J 7/35	(21) EP18823303.5
B32B 17/10	H02J 9/06	(47) 13.04.2022
(11) EP3449690	H05B 45/10	(87) JP2018024150
(21) EP17702793.5	H05B 45/38	03.01.2019
(47) 13.04.2022	(11) EP3488666	(22) 26.06.2018
(87) EP2017051347	(21) EP17755311.2	(54) PLASMA TREATMENT DEVICE
02.11.2017	(47) 13.04.2022	(73) Canon Anelva Corporation
(22) 24.01.2017	(87) US2017043294	(72) TANABE, Masaharu
(54) ASSEMBLY FOR CONNECTING	25.01.2018	SEKIYA, Kazunari
A SURFACE BODY TO A POWER	(22) 21.07.2017	INOUE, Tadashi
SUPPLY HAVING AN EMBEDDED	(54) MODULAR LIGHTING PANEL	TSUCHIYA, Nobuaki
CONTROL UNIT	(73) Lutron Technology Company LLC	SATO, Tatsunori
(73) SAINT-GOBAIN GLASS FRANCE	(72) SHEARER, Thomas, M.	SASAMOTO, Hiroshi
(72) WEBER, Patrick	DEJONG, Sturart, W.	(31) 2018017554
(31) 16167244	PESSINA, Michael, W.	PCT/JP2017/023603
(32) 27.04.2016	NEWMAN, Jr., Robert, C.	PCT/JP2017/023611
(33) European Patent Office (EPO)	NUHFER, Matthew, W.	(32) 02.02.2018
(51) H05B 6/06	(31) 201662365773 P	27.06.2017
A47J 36/32	(32) 22.07.2016	27.06.2017
(11) EP3282816	(33) United States of America	(33) Japan
(21) EP17179546.1	(51) H05B 47/18	World Intellectual Property Office (WIPO)
(47) 13.04.2022	(11) EP3761761	World Intellectual Property Office (WIPO)
(22) 04.07.2017	(21) EP20183871.1	(51) H05H 7/00
(54) INDUCTIVE COOKING SYSTEM	(47) 13.04.2022	G01T 1/29
(73) Miele & Cie. KG	(22) 03.07.2020	G01R 19/00
(72) METZ, Thomas	(54) LIGHTING SYSTEM CONFIGURATION	(11) EP3763172
EBKE, Daniel	(73) Rockwell Collins, Inc.	(21) EP19709469.1
ENNEN, Volker	(72) NIELSEN, Michael J.	(47) 13.04.2022
(31) 102016114838	VALESTIN, Jason J.	(87) EP2019055525
(32) 10.08.2016	KLEIN, Clifford R.	12.09.2019
(33) Germany	(31) 201916502468	(22) 06.03.2019
(51) H05B 6/06	(32) 03.07.2019	(54) DEVICE AND METHOD FOR
F24C 7/08	(33) United States of America	DETECTING THE MASS CENTRE OF A
H01H 36/00	(51) H05H 1/34	BEAM OF ELECTRIC CHARGES
H03K 17/97	(11) EP3332615	(73) ENEA - Agenzia Nazionale Per Le Nuove
(11) EP3562265	(21) EP16751451.2	Tecnologie, L'Energia e Lo Sviluppo
(21) EP18169887.9	(47) 13.04.2022	Economico Sostenibile
(47) 13.04.2022	(87) US2016045578	(72) GUIDA, Roberto
(22) 27.04.2018	09.02.2017	BEOZZO, Simone
(54) DOMESTIC APPLIANCE ADAPTED	(22) 04.08.2016	ARTIOLI, Marcello
FOR STAND-BY MODE	(54) IMPROVED PLASMA ARC CUTTING	(31) 201800003379
(73) ELECTROLUX APPLIANCES	SYSTEMS, CONSUMABLES AND	(32) 08.03.2018
AKTIEBOLAG	OPERATIONAL METHODS	(33) Italy
(72) CHRISTIANSEN, Svend Erik	(73) Hypertherm, Inc.	(51) H05H 9/00
MARTINI, Filippo	(72) SMITH, Ross A.	H03K 3/53
SCOTTO D'APOLLONIA, Adriano	SANDERS, Nicholas A.	H01F 30/06
VIROLI, Alex	CHEVALIER, Adam	H01F 30/16
JEANNETEAU, Laurent	LIEBOLD, Stephen M.	H01F 27/28
BALEST, Frederico	MITRA, Soumya	(11) EP3761762
(51) H05B 45/3578	(31) 201662347856 P	(21) EP20188781.7
H05B 45/50	201662320935 P	(47) 13.04.2022
H05B 45/37	201662314097 P	(22) 29.12.2017
(11) EP3481159	201562200913 P	(54) HIGH VOLTAGE INDUCTIVE ADDER
(21) EP17836402.2	(32) 09.06.2016	(73) Eagle Harbor Technologies, Inc.
(47) 13.04.2022	11.04.2016	(72) BOWMAN, Christopher Matthew
(87) CN2017095673	28.03.2016	SLOBODOV, Ilia
08.02.2018	04.08.2015	CARSCADDEN, John G.
(22) 02.08.2017	(33) United States of America	PRAGER, James R.
(54) LED DRIVE CIRCUIT AND LED LAMP	United States of America	ZIEMBA, Timothy M.
(73) Oppl Lighting Co., Ltd.	United States of America	MILLER, Kenneth E.
(72) WEN, Wei	United States of America	(31) 201662440919 P
(31) 201620828330 U	(51) H05H 1/46	(32) 30.12.2016
201610626520	B01J 19/08	(33) United States of America
(32) 02.08.2016	C23C 14/34	(51) H05K 1/02
02.08.2016	H01L 21/3065	H02K 11/00
(33) China	H01J 37/32	H05K 1/11
China	H01J 37/34	H02K 5/22
(51) H05B 47/10	(11) EP3648552	H02K 11/33

(11) EP2887777	07.02.2019	(21) EP19214343.6
(21) EP14197188.7	(22) 30.07.2018	(47) 13.04.2022
(47) 13.04.2022	(54) CERAMIC CIRCUIT BOARD	(22) 09.12.2019
(22) 10.12.2014	(73) Denka Company Limited	(54) INVERTER STACK CAPABLE OF
(54) A PCB Strip	(72) TANIGUCHI Yoshitaka	STRUCTURE MODIFICATION
(73) Faulhaber Precistep SA	SAKAI Atsushi	(73) Korea Plant Service & Engineering Co.,
(72) Bellamy, Justine	ICHIKAWA Kohki	Ltd.
Monnin, Jonas	HIROTSURU Hideki	(72) PARK, Jin Soo
Moser, Yves	(31) 2017151888	PARK, Ill Ho
(31) 20902013	(32) 04.08.2017	BAE, Young Sang
(32) 17.12.2013	(33) Japan	(31) 20190043326
(33) Switzerland	(51) H05K 3/10	(32) 12.04.2019
(51) H05K 1/02	H05K 3/24	(33) Korea (Republic)
H05K 1/03	H05K 3/12	(51) H05K 7/14
(11) EP2988576	(11) EP2991463	(11) EP3700311
(21) EP15178748.8	(21) EP14887505.7	(21) EP19184692.2
(47) 13.04.2022	(47) 13.04.2022	(47) 13.04.2022
(22) 29.07.2015	(87) JP2014078381	(22) 05.07.2019
(54) ASSEMBLY WITH PRINTED CIRCUIT	01.10.2015	(54) SLIDE RAIL MECHANISM AND
BOARD FOR MOTOR VEHICLE	(22) 24.10.2014	SUPPORTING ASSEMBLY THEREOF
ILLUMINATION SYSTEMS	(54) METHOD FOR MANUFACTURING	(73) King Slide Technology Co., Ltd.
(73) Automotive Lighting Reutlingen GmbH	CONDUCTIVE LINE AND CONDUCTIVE	King Slide Works Co., Ltd.
(72) Kutschat, Jürgen	LINE	(72) CHANG, Wei-Chen
Schöning, Michael	(73) Shuhou Co., Ltd.	YANG, Shun-Ho
Temme, Jürgen	(72) MURAOA, Kouji	CHEN, Ken-Ching
(31) 202014006674 U	(31) 2014159602	WANG, Chun-Chiang
(32) 20.08.2014	2014159588	(31) 108106608
(33) Germany	2014068487	(32) 25.02.2019
(51) H05K 3/00	(32) 05.08.2014	(33) Taiwan, Province of China
(11) EP3570647	05.08.2014	(51) H05K 7/14
(21) EP18172817.1	28.03.2014	H05K 7/20
(47) 13.04.2022	(33) Japan	(11) EP3661339
(22) 17.05.2018	Japan	(21) EP18315047.3
(54) MODULE FOR A MONITORING	Japan	(47) 13.04.2022
SYSTEM AND MONITORING SYSTEM	(51) H05K 5/02	(22) 30.11.2018
HAVING THE MODULE	H05K 5/00	(54) RACK ADAPTED FOR RECEIVING
(73) Robert Bosch GmbH	H02B 1/06	A COMPONENT AND SYSTEM
(72) Klupsch, Oliver	G01R 11/24	INCLUDING THE RACK AND THE
Ribeiro, Francisco	H02G 3/14	COMPONENT
Spieß, Sebastian	(11) EP3311637	(73) OVH
(51) H05K 3/00	(21) EP16731064.8	(72) Thibaut, Christophe Maurice
H01L 23/367	(47) 13.04.2022	Klaba, Henryk
H01L 23/42	(87) EP2016063287	Bonenfant, Jules Hermann
H05K 1/02	22.12.2016	Zahm, Etienne
H05K 1/11	(22) 10.06.2016	(51) H05K 7/14
(11) EP3297021	(54) HOUSING FOR A DEVICE	H05K 7/20
(21) EP17190518.5	(73) Landis+Gyr AG	(11) EP3718384
(47) 13.04.2022	(72) ZIBUNG, Werner	(21) EP18819428.6
(22) 12.09.2017	(31) 8662015	(47) 13.04.2022
(54) ELECTRONIC CONTROL DEVICE	(32) 16.06.2015	(87) US2018062906
(73) JTEKT CORPORATION	(33) Switzerland	06.06.2019
(72) KOJIMA, Yoshihiro	(51) H05K 7/14	(22) 28.11.2018
(31) 2016186121	(11) EP3621421	(54) DEEP-WATER SUBMERSIBLE SYSTEM
2016179843	(21) EP19196038.4	(73) Raytheon Company
(32) 23.09.2016	(47) 13.04.2022	(72) WHITE, Brian M.
14.09.2016	(22) 06.09.2019	(31) 201715829692
(33) Japan	(54) POWER MODULES FOR POWER	(32) 01.12.2017
Japan	DISTRIBUTION ASSEMBLIES	(33) United States of America
(51) H05K 3/02	(73) Hamilton Sundstrand Corporation	(51) H05K 7/20
H05K 1/03	(72) COONEY, Robert C.	H02M 1/32
H05K 1/09	YANG, Nhia	H02M 7/5387
H01L 23/12	WAVERING, Jeffrey T.	(11) EP3267774
H01L 23/36	JACKSON, Stephen E.	(21) EP17180290.3
H05K 3/38	(31) 201816125191	(47) 13.04.2022
(11) EP3664585	(32) 07.09.2018	(22) 07.07.2017
(21) EP18841449.4	(33) United States of America	(54) METHOD AND APPARATUS OF
(47) 13.04.2022	(51) H05K 7/14	EVALUATING HEAT DISSIPATION
(87) JP2018028422	(11) EP3723460	

SYSTEM CONDITION FOR POWER
MODULE

(73) DELTA ELECTRONICS (SHANGHAI)
CO., LTD

(72) LU, Yansong
HUANG, Wei

SUN, Zongyu

(31) 201610536450

(32) 08.07.2016

(33) China

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) A01C 9/02	SUAZO, Gerardo Joaquin	(74) dr. A. Krebs
(11) EP3691437	WIELAND, Cindy Ellen	(47) 05.01.2022
(21) EP18779664.4	(74) ir. W.J.J.M. Kempes	(51) A01K 67/027
(22) 28.09.2018	(31) 201562248731 P	C07K 16/00
(54) SHOOT PROTECTOR FOR A POTATO	(32) 30.10.2015	C12N 9/64
PLANTING MACHINE	(33) United States of America	(11) EP3785536
(73) Unger, Markus	(47) 19.01.2022	(21) EP19194093.1
(72) Unger, Markus	(51) A01K 1/00	(22) 28.08.2019
(74) J.M.H. Duyver lic.	(11) EP3302037	(54) ADAM6 KNOCKIN MICE
(31) 202017106002 U	(21) EP16728748.1	(73) Trianni, Inc.
(32) 02.10.2017	(22) 30.05.2016	(72) ESPOSITO, Gloria
(33) Germany	(54) MILKING ARRANGEMENT	MUELLER, Werner
(47) 05.01.2022	AND METHOD FOR GUIDING	WABL, Matthias
(51) A01D 75/20	ANIMALS THROUGH A MILKING	(74) ir. J.D. de Zeeuw
(11) EP3815506	ARRANGEMENT	(47) 26.01.2022
(21) EP19206573.8	(73) DeLaval Holding AB	(51) A01N 1/02
(22) 31.10.2019	(72) JENSEN, Robert	(11) EP3634125
(54) A PROTECTION SYSTEM AND	PALMQVIST, Martin	(21) EP18728168.8
A METHOD OF FORMING A	(74) dr. W.A.H.M. Van Borm	(22) 05.06.2018
PROTECTING BARRIER ALONG	(31) 1550701	(54) SYSTEM AND METHOD FOR THE
PLOUGH BODIES OF A REVERSIBLE	(32) 01.06.2015	CONTROLLED TRANSPORT OF
MOULDBOARD PLOUGH IN A	(33) Sweden	BIOLOGICAL SAMPLES
TRANSPORT STATE	(47) 02.03.2022	(73) General Courier Vallès, SL
(73) Kverneland Group Operations Norway	(51) A01K 13/00	(72) SÁNCHEZ GIRONELL, Marcel
AS	A47L 11/40	SÁNCHEZ FERNÁNDEZ, Ariadna
(72) Egholm, Arild	(11) EP3315023	(74) ir. W.J.J.M. Kempes
Hansen, Truls Olve Terjesønn	(21) EP17197430.6	(31) 17382339
Renoult, Jerome	(22) 20.10.2017	(32) 06.06.2017
(74) ir. W.J.J.M. Kempes	(54) PET BATHING SYSTEM	(33) European Patent Office (EPO)
(47) 09.02.2022	(73) Bissell Inc.	(47) 29.12.2021
(51) A01G 7/04	(72) Martin, Charles A.	(51) A01N 31/02
(11) EP3278020	Drake, Belinda	A01N 37/02
(21) EP16769793.7	Marietta, Joseph Q.	A01N 25/30
(22) 25.03.2016	Mohyer, George Jr.	A01P 1/00
(54) METHOD AND APPARATUS FOR	Hansen, Eric. J.	A61P 31/02
STIMULATION OF PLANT GROWTH	Potter, Sue A.	A61P 31/12
AND DEVELOPMENT WITH NEAR	Wolfe, Brian C.	(11) EP3206487
INFRARED AND VISIBLE LIGHTS	(74) ir. H.A. Witmans c.s.	(21) EP15781614.1
(73) Vitabeam Ltd.	(31) 201662412468 P	(22) 08.10.2015
(72) VASILENKO, Vladimir	(32) 25.10.2016	(54) USE OF FATTY ACID ESTER FOR
(74) dr. W.A.H.M. Van Borm	(33) United States of America	IMPROVING THE ANTIMICROBIAL
(31) 201562138132 P	(47) 09.03.2022	EFFICACY OF AN ALCOHOLIC
(32) 25.03.2015	(51) A01K 43/00	DISINFECTANT
(33) United States of America	A01K 41/00	(73) Schülke & Mayr GmbH
(47) 29.12.2021	A01K 41/06	(72) BOCK, Sylvia
(51) A01G 9/02	(11) EP3632204	STEINHAUER, Katrin
A01G 9/04	(21) EP18198858.5	DA SILVA NOLASCO, Angelo
A01G 9/029	(22) 05.10.2018	KOLDITZ, Petra
(11) EP3367780	(54) DEVICE FOR TRANSPORTING	(74) ir. H.A. Witmans c.s.
(21) EP16790575.1	AND HATCHING EGGS ON FARM	(31) 102014115080
(22) 31.10.2016	BREEDING	(32) 16.10.2014
(54) PLANT CONTAINER AND TRAY	(73) Societa' Agricola la Pellegrina S.p.A.	(33) Germany
SYSTEM	(72) DE RAMUNO, Mario	(47) 29.12.2021
(73) Syngenta Participations AG	BAROSIO, Umberto	(51) A01N 31/08
(72) PROHODSKI, Alexander	FASOLATO, Luciano	A01N 41/10
PROULX, Timothy	MORANDINI, Emilio	C07C 317/14
ADLER, Ari Tao	RAMINA, Flavio	C07C 323/09
BROWN, Matthew Patrick	DE ZANE, Alberto	(11) EP3366672
	DALLA BARBA, Giulio	(21) EP16856931.7

(22) 21.10.2016	(54) METHOD FOR OPERATING A	A24D 1/20
(54) BIPHENYL COMPOUND AND	CENTRIFUGAL DEVICE	A24C 5/01
APPLICATION THEREOF	(73) Sormac B.V.	(11) EP3716794
(73) Shenyang Sinochem Agrochemicals R &	(72) HAFFMANS, Hubertus Ernest Ferdinand	(21) EP18814530.4
D Co., Ltd.	Marie	(22) 28.11.2018
(72) BAN, Lanfeng	(74) ir. A. Blokland c.s.	(54) AEROSOL GENERATING ARTICLE
SONG, Yuquan	(31) 2020365	WITH IMPROVED MOUTH END CAVITY
XU, Libao	(32) 01.02.2018	(73) Philip Morris Products S.A.
ZHANG, Jing	(33) Netherlands	(72) NAPPI, Leonardo
YU, Haibo	(47) 16.03.2022	JORDIL, Yves
LI, Peng	(51) A24C 5/24	(74) dr. W.A.H.M. Van Borm
WU, Hongfei	A24C 5/47	(31) 17204218
ZHANG, Lixin	B05C 1/08	(32) 28.11.2017
XU, Jingbo	B65H 27/00	(33) European Patent Office (EPO)
(74) dr. R.C. van Duijvenbode c.s.	(11) EP3749116	(47) 26.01.2022
(31) 201510696452	(21) EP19701637.1	(51) A24F 15/015
(32) 23.10.2015	(22) 23.01.2019	A24F 40/10
(33) China	(54) ADHESIVE APPLICATION ROLLER	A24F 40/485
(47) 16.02.2022	(73) Philip Morris Products S.A.	A24F 40/48
(51) A01N 53/00	(72) AGOSTINI, Christian	(11) EP3393278
A01N 59/06	(74) dr. W.A.H.M. Van Borm	(21) EP16795085.6
A01N 25/22	(31) 18155878	(22) 15.11.2016
A01P 21/00	(32) 08.02.2018	(54) AN ELECTRICALLY OPERATED
(11) EP3600279	(33) European Patent Office (EPO)	AEROSOL-GENERATING SYSTEM
(21) EP18774530.2	(47) 19.01.2022	WITH A LIQUID PUMP
(22) 29.03.2018	(51) A24D 1/20	(73) Philip Morris Products S.A.
(54) 1-AMINO-1-	A24D 1/02	(72) MAZUR, Ben
CYCLOPROPANECARBOXYLIC ACID	A24F 40/46	BRIGHT, Ben
FORMULATIONS	A24F 40/20	(74) dr. W.A.H.M. Van Borm
(73) Valent BioSciences LLC	(11) EP3720305	(31) 15202075
(72) SASAKAWA, Mitsuhiro	(21) EP18815192.2	(32) 22.12.2015
BELKIND, Benjamin, A.	(22) 06.12.2018	(33) European Patent Office (EPO)
SHARMA, Parvesh	(54) AEROSOL GENERATING ARTICLE	(47) 16.02.2022
SILVERMAN, Franklin, Paul	WITH HEAT-EXPANDABLE	(51) A24F 40/53
(74) dr. A. Krebs	CENTERING ELEMENT	A61M 11/04
(31) 201762479540 P	(73) Philip Morris Products S.A.	A61M 15/06
(32) 31.03.2017	(72) MALGAT, Alexandre	A24F 40/10
(33) United States of America	DUC, Fabien	(11) EP3740091
(47) 09.03.2022	UTHURRY, Jérôme	(21) EP19700662.0
(51) A23L 27/30	(74) dr. W.A.H.M. Van Borm	(22) 10.01.2019
C07H 1/00	(31) 17205992	(54) METHODS, INHALATION DEVICE, AND
C07H 15/256	(32) 07.12.2017	COMPUTER PROGRAM
(11) EP2686331	(33) European Patent Office (EPO)	(73) Ventus Medical Limited
(21) EP12756924.2	(47) 23.02.2022	(72) LAWSON, David
(22) 19.03.2012	(51) A24D 3/02	DIGNUM, Mark
(54) REBAUDIOSIDE B AND DERIVATIVES	A24C 5/54	(74) ir. W.J.J.M. Kempes
(73) Sweet Green Fields International Co.,	A24C 5/42	(31) 201817440
Limited	A24C 5/47	201800875
(72) DENG, Mingiming	A24F 15/12	(32) 26.10.2018
SHI, Jingang	A24D 3/04	19.01.2018
WU, Yanyan	A24C 5/46	(33) United Kingdom
DING, Jien	(11) EP2637521	United Kingdom
WANG, Hansheng	(21) EP11839503.7	(47) 19.01.2022
(74) dr. A. Krebs	(22) 08.11.2011	(51) A42B 3/22
(31) 201213422170	(54) FILTER TIP, TUBES, AND CONES	(11) EP3025603
201161453642 P	(73) Sinclair, Jr., Daniel	(21) EP16150652.2
(32) 16.03.2012	Neilsen, Anders	(22) 11.10.2012
17.03.2011	Jespersen, Thomas	(54) METHOD OF MANUFACTURING A
(33) United States of America	(72) Sinclair, Jr., Daniel	VISOR
United States of America	Jespersen, Thomas	(73) Pinlock Patent B.V.
(47) 02.03.2022	Neilsen, Anders	(72) ARNOLD, Derek Leslie
(51) A23N 12/08	(74) dr. A. Krebs	(74) dr. R.C. van Duijvenbode c.s.
F16F 15/04	(31) 411187 P	(31) 201117522
F16F 15/00	(32) 08.11.2010	(32) 11.10.2011
(11) EP3745885	(33) United States of America	(33) United Kingdom
(21) EP19719922.7	(47) 05.01.2022	(47) 23.02.2022
(22) 22.01.2019	(51) A24D 3/02	(51) A47B 1/06
	A24D 3/04	A47B 1/08

A47B 1/10	(33) Germany	(22) 21.06.2019
(11) EP3815574	Germany	(54) SURFACE CLEANING APPARATUS AND TRAY
(21) EP20193186.2	Germany	(73) Bissell Inc.
(22) 27.08.2020	(47) 19.01.2022	(72) Wong, Ying Chun
(54) EXTENDABLE TABLE	(51) A47J 31/36	Boles, Jacob S.
(73) Jiaxing Mindo Outdoor Products Co.Ltd	A47J 31/06	Wang, Yunfu
(72) Wang, Lei	B65D 85/804	Tang, Jian Hua
(74) ir. A.R. Aalbers	(11) EP3493709	Nguyen, Tom Minh
(31) 201921838621 U	(21) EP17754825.2	Resch, Jacob
201911037587	(22) 03.08.2017	(74) ir. H.A. Witmans c.s.
(32) 29.10.2019	(54) APPARATUS FOR PREPARING A BEVERAGE AND SYSTEM COMPRISING THE APPARATUS AND AN EXCHANGEABLE CAPSULE	(31) 201962789661 P
29.10.2019	(73) Koninklijke Douwe Egberts B.V.	201862688439 P
(33) China	(72) BEEKMAN, Jarno	(32) 08.01.2019
China	RIJSKAMP, Peter	22.06.2018
(47) 19.01.2022	KOOIJER, Klaas	(33) United States of America
(51) A47B 9/20	OGINK, Judith Margreet Hanneke	United States of America
F16M 11/28	(74) ir. H.A. Witmans c.s.	(47) 16.03.2022
(11) EP3706598	(31) 2017277	(51) A47L 15/00
(21) EP17808755.7	(32) 03.08.2016	A47L 15/42
(22) 09.11.2017	(33) Netherlands	A47L 15/24
(54) TELESCOPIC COLUMN, MORE PARTICULARLY FOR PIECES OF FURNITURE, SUCH AS TABLES, AND TABLE WITH COLUMN OF THIS KIND	(47) 09.03.2022	A47L 15/16
(73) Oelschläger Metalltechnik GmbH	(51) A47J 31/44	A47L 15/46
(72) JACOBS, Michael	B09B 3/00	(11) EP3753468
(74) dr. ir. G.J.C. Verdijk c.s.	(11) EP3773090	(21) EP20173746.7
(47) 05.01.2022	(21) EP19721115.4	(22) 30.03.2017
(51) A47C 13/00	(22) 29.03.2019	(54) CLEANING DEVICE AND METHOD FOR CLEANING ITEMS
A47C 17/04	(54) USED CAPSULE DISPOSAL ASSEMBLY	(73) MEIKO Maschinenbau GmbH & Co. KG
A47C 7/40	(73) Illycaffè S.p.A.	(72) Loos, Thomas
(11) EP3573500	(72) VOOGSGERD, Marco Alexander	Lehmann, Denis
(21) EP18744395.7	BENEDETTI, Alessandro	(74) ir. H.A. Witmans c.s.
(22) 25.01.2018	NIJSEN, Andreas Jacobus Louis	(31) 102016205367
(54) MODULAR SOFA CONSTRUCTION AND METHODS FOR ASSEMBLY	PIJLMAN, Hermen Hendrik	(32) 31.03.2016
(73) Burrow, Inc.	VINKENVLEUGEL, Lucius Theodorus	(33) Germany
(72) CHOPRA, Kabeer	(74) dr. A. Krebs	(47) 19.01.2022
KUHL, Stephen	(31) 201800004104	(51) A61B 1/00
AMICK, Leah K. S.	(32) 29.03.2018	A61B 1/012
KUBO, Alex	(33) Italy	A61B 1/015
KOH, Paul	(47) 09.03.2022	(11) EP3723576
(74) ir. J.D. de Zeeuw	(51) A47J 42/50	(21) EP19728861.6
(31) 201715419957	A47J 31/44	(22) 26.04.2019
(32) 30.01.2017	(11) EP3738487	(54) DEVICE AND METHOD FOR PERFORMING AN ENDOSCOPIC EXAMINATION FREE FROM CONTAMINATION
(33) United States of America	(21) EP20173046.2	(73) Kress, Jürgen
(47) 16.02.2022	(22) 05.05.2020	(72) Kress, Jürgen
(51) A47C 20/04	(54) METHOD OF RECOGNIZING THE TYPE OF COFFEE	(31) 102018110228
A47C 31/00	(73) Gruppo Cimbali S.p.A.	(32) 27.04.2018
A61B 5/00	(72) Galimberti, Alberto	(33) Germany
A47C 27/00	Duina, Giorgio	(47) 23.02.2022
(11) EP3397120	Sberveglieri, Veronica	(51) A61B 5/00
(21) EP16822708.0	Sberveglieri, Giorgio	A61B 5/1455
(22) 30.12.2016	Abbatangelo, Marco	A61B 5/11
(54) FURNITURE FOR SLEEPING OR RESTING HAVING A MATTRESS	Volonté, Claudio	A61B 5/0295
(73) DewertOkin Technology Group Co., Ltd.	Comini, Elisabetta	A61B 5/0285
(72) LOLEY, Steffen	(74) J.M.H. Duyver lic.	A61B 5/021
TEWS, Alexander	(31) 201900006877	A61B 5/0205
GEHRKE, Karsten	(32) 15.05.2019	A61B 5/02
HILLE, Armin	(33) Italy	A61B 5/318
(74) ir. A. Ferguson	(47) 05.01.2022	A61B 5/349
(31) 202016105633 U	(51) A47L 9/28	A61B 5/022
102016109524	A47L 11/40	A61B 5/08
202015107148 U	A47L 11/10	A61B 5/024
(32) 07.10.2016	A47L 11/29	(11) EP2432378
24.05.2016	(11) EP3875013	(21) EP10778375.5
30.12.2015	(21) EP21167576.4	(22) 20.05.2010

(54) VITAL SIGN MONITORING SYSTEM AND METHOD	(21) EP15746775.4	(33) United States of America
(73) Sotera Wireless, Inc.	(22) 21.01.2015	United States of America
(72) McCOMBIE, Devin	(54) EXTREMITY TOURNIQUET	(47) 12.01.2022
BANET, Matt	(73) The Seaberg Company, Inc.	(51) A61C 17/02
DHILLON, Marshal	(72) HOPMAN, Lance, D.	(11) EP3316817
MOON, Jim	BATDORF, Eric	(21) EP16736023.9
(74) mr. ir. J. van Breda c.s.	(74) J.M.H. Duyver lic.	(22) 29.06.2016
(31) 469127	(31) 201414324672	(54) PROCESS WATER SUPPLY UNIT FOR SUPPLYING A MEDICAL TREATMENT UNIT, DENTAL MEDICAL TREATMENT UNIT AND OPERATING METHOD
469151	201461935566 P	(73) BLUE SAFETY GmbH
469137	(32) 07.07.2014	(72) FISCHER, Sebastian
469094	04.02.2014	MÖNNINGHOFF, Christian
469115	(33) United States of America	PAPENBROCK, Jan
469107	United States of America	MAASS, Mathias
(32) 20.05.2009	(47) 05.01.2022	(74) dr. R.C. van Duijvenbode c.s.
20.05.2009	(51) A61B 17/16	(31) 102015212248
20.05.2009	A61B 17/92	(32) 30.06.2015
20.05.2009	(11) EP3569164	(33) Germany
20.05.2009	(21) EP19173613.1	(47) 29.12.2021
(33) United States of America	(22) 09.05.2019	(51) A61F 2/07
United States of America	(54) ORTHOPEDIC ADAPTER FOR AN ELECTRIC IMPACTING TOOL	A61F 2/852
United States of America	(73) DePuy Synthes Products, Inc.	A61F 2/90
United States of America	(72) PEDICINI, Christopher	A61F 2/89
United States of America	(74) dr. R.C. van Duijvenbode c.s.	A61F 2/06
United States of America	(31) 201815978763	(11) EP3215055
(47) 12.01.2022	(32) 14.05.2018	(21) EP15790534.0
(51) A61B 17/11	(33) United States of America	(22) 03.11.2015
A61B 17/32	(47) 26.01.2022	(54) MODULAR STENT GRAFT SYSTEM
A61B 18/14	(51) A61B 17/221	(73) JOTEC GmbH
(11) EP2640280	(11) EP3273883	(72) BOGENSCHUETZ, Thomas
(21) EP11841243.6	(21) EP16713213.3	BARTHOLD, Franz-Peter
(22) 16.11.2011	(22) 15.03.2016	(74) ir. A. Blokland c.s.
(54) DEVICES FOR FORMING A FISTULA	(54) RETRIEVAL DEVICES	(31) 102014116012
(73) TVA Medical, Inc.	(73) Boston Scientific Scimed, Inc.	(32) 04.11.2014
(72) COHN, William, E.	(72) ROHAN, Prasopporn K.	(33) Germany
JELICH, Damian, A.	(74) ir. H.J.G. Lips c.s.	(47) 05.01.2022
MILLER, Gary, H.	(31) 201615069583	(51) A61F 2/08
MESTER, Dana, R.	201562137556 P	(11) EP3636221
BERMAN, Adam, L.	(32) 14.03.2016	(21) EP19210108.7
(74) mr. drs. L. van Wezenbeek	24.03.2015	(22) 10.04.2017
(31) 414357 P	(33) United States of America	(54) TENODESIS ANCHORING SYSTEMS AND TOOLS
(32) 16.11.2010	United States of America	(73) DePuy Synthes Products, Inc.
(33) United States of America	(47) 16.02.2022	(72) SA, Sherri
(47) 16.03.2022	(51) A61C 9/00	MILLER, Gerome
(51) A61B 17/122	G06T 17/00	PICCIRILLO, Justin M.
A61B 17/128	A61B 1/24	(74) dr. R.C. van Duijvenbode c.s.
A61B 90/00	(11) EP3743010	(31) 201615093948
(11) EP3061413	(21) EP19707522.9	(32) 08.04.2016
(21) EP16162551.2	(22) 25.01.2019	(33) United States of America
(22) 16.06.2009	(54) DIAGNOSTIC INTRAORAL SCANNING AND TRACKING	(47) 26.01.2022
(54) TISSUE CLIPPING APPARATUS	(73) Align Technology, Inc.	(51) A61F 2/16
(73) Boston Scientific Scimed, Inc.	(72) TISHIEL, Ido	A61L 27/00
(72) Furnish, Gregory R.	MOSHE, Maayan	(11) EP3042633
Kelly, William C. Mers	KUO, Eric	(21) EP14841874.2
Wolf, Lance Alan	MALKA, Doron	(22) 02.09.2014
Wells, Brian Keith	SABINA, Michael	(54) INTRAOCULAR LENS
Durgin, Russell F.	ELBAZ, Gilad	(73) Kowa Company, Ltd.
Abramov, Vasily P.	WEISS, Assaf	(72) KUMAZAWA, Yutaka
Menn, Dimitri	SAPHIER, Ofer	KOBAYASHI, Atsushi
(74) ir. A.R. Aalbers	KOPELMAN, Avi	SAKANISHI, Kotaro
(31) 74094 P	NIZARD, Eliahou, Franklin	(74) J.M.H. Duyver lic.
(32) 19.06.2008	AYAL, Shai	(31) 2013184384
(33) United States of America	(74) ir. F.A. Geurts c.s.	(32) 05.09.2013
(47) 19.01.2022	(31) 201862758503 P	(33) Japan
(51) A61B 17/132	201862622798 P	
A61B 17/135	(32) 09.11.2018	
(11) EP3102123	26.01.2018	

(47) 16.02.2022	(33) United States of America	A61K 9/10
(51) A61F 2/24	(47) 09.02.2022	A61K 47/34
(11) EP2545885	(51) A61F 13/15	A61K 47/20
(21) EP12188184.1	A61F 13/49	(11) EP2879661
(22) 27.10.2006	A61F 13/532	(21) EP13742226.7
(54) Artificial valve for implantation	(11) EP3380053	(22) 29.07.2013
(73) MedicalTree Patents Ltd.	(21) EP16869201.0	(54) INJECTABLE COMPOSITIONS
(72) Forsell, Peter	(22) 22.11.2016	COMPRISING LETROZOLE OR
(74) dr. R.C. van Duijvenbode c.s.	(54) AN ELASTIC CORE COMPOSITE OR	ANASTROZOLE
(31) 732477 P	ASSEMBLY, AND A SYSTEM AND	(73) Laboratorios Farmacéuticos Rovi, S.A.
(32) 02.11.2005	METHOD FOR MAKING THE ELASTIC	(72) GUTIERRO ADURIZ, Ibon
(33) United States of America	COMPOSITE ASSEMBLY	FRANCO RODRÍGUEZ, Guillermo
(47) 19.01.2022	(73) DSG Technology Holdings Ltd.	(74) ir. W.J.J.M. Kempes
(51) A61F 2/24	(72) VARONA, Eugenio	(31) 201231271
A61F 2/00	WRIGHT, Andrew	(32) 03.08.2012
(11) EP3628274	(74) dr. R.C. van Duijvenbode c.s.	(33) Spain
(21) EP19199161.1	(31) 201662301484 P	(47) 26.01.2022
(22) 24.09.2019	201562259071 P	(51) A61K 9/08
(54) MITRAL ANNULUS REPAIR DEVICE	(32) 29.02.2016	A61K 31/42
(73) TruLeaf Medical Ltd.	24.11.2015	A61P 33/14
(72) BENICHO, Netanel	(33) United States of America	A61K 47/18
SOBOL, Moran	United States of America	A61K 47/34
SPENSER, Benjamin	(47) 05.01.2022	A01N 43/80
(74) ir. W.J.J.M. Kempes	(51) A61F 13/496	A01P 7/04
(31) 201862735866 P	A61F 13/49	(11) EP2658541
(32) 25.09.2018	(11) EP3053562	(21) EP11799292.5
(33) United States of America	(21) EP14820632.9	(22) 22.12.2011
(47) 09.03.2022	(22) 15.07.2014	(54) TOPICAL LOCALIZED ISOXAZOLINE
(51) A61F 5/00	(54) DISPOSABLE PANTS-TYPE DIAPER	FORMULATION COMPRISING
A61F 5/44	(73) Unicharm Corporation	GLYCOFUROL
A61F 5/445	(72) MUKAI, Hirotomo	(73) Intervet International B.V.
A61F 5/448	KURITA, Noriyuki	(72) MÜLLER, Ramona
A61F 13/02	(74) J.M.H. Duyver lic.	FUCHS, Stefan
A61F 5/443	(31) 2013205644	ZOLLER, Hartmut
(11) EP3454796	(32) 30.09.2013	HECKEROTH, Anja Regina
(21) EP16861076.4	(33) Japan	WILLIAMS, Heike
(22) 09.12.2016	(47) 02.03.2022	(74) ir. H.A. Witmans c.s.
(54) MULTI-PETALED MOUNTING	(51) A61K 8/00	(31) 201161430241 P
MEMBERS FOR OSTOMY POUCHES	A61K 31/00	10197090
(73) Marlen Manufacturing And Development	C07C 39/15	(32) 06.01.2011
Co.	C07C 39/11	27.12.2010
(72) FENTON, Gary H.	C07D 317/54	(33) United States of America
(74) J.M.H. Duyver lic.	C07C 43/23	European Patent Office (EPO)
(31) 201662335110 P	C07C 45/67	(47) 26.01.2022
(32) 12.05.2016	C07C 49/83	(51) A61K 9/127
(33) United States of America	C07C 45/74	A61K 47/36
(47) 09.02.2022	C07D 213/30	(11) EP2758035
(51) A61F 5/00	C07D 307/12	(21) EP12772735.2
A61F 5/44	C07D 307/42	(22) 19.09.2012
A61F 5/445	(11) EP3542780	(54) LIPOSOME PRODUCTION USING
A61F 5/448	(21) EP19173348.4	ISOPROPANOL
A61F 13/02	(22) 21.07.2009	(73) GlaxoSmithKline Biologicals S.A.
A61F 13/00	(54) SERIES OF SKIN-WHITENING	(72) MANCUSO, Vincent
A61F 5/443	(LIGHTENING) COMPOUNDS	DE KESEL, Carine
(11) EP3454797	(73) Unigen, Inc.	(31) 201116248
(21) EP16867368.9	(72) NESTEROV, Alexandre, Mikhailovitch	(32) 20.09.2011
(22) 09.12.2016	NANDY, Sandip, K.	(33) United Kingdom
(54) MOUNTING ASSEMBLIES FOR	HERTEL, Carmen	(47) 12.01.2022
OSTOMY APPLIANCES COMPRISING	PADMAPRIYA, Abeyasinghe, A	(51) A61K 9/28
AN ADHESIVE SKIN BARRIER	LIU, Jiyun	(11) EP3003285
MEMBER HAVING A MULTI-PETALED	(74) dr. R.C. van Duijvenbode c.s.	(21) EP14808018.7
OUTER PERIMETER	(31) 82422 P	(22) 02.06.2014
(73) Marlen Manufacturing And Development	(32) 21.07.2008	(54) SOLID PHARMACEUTICAL DOSAGE
Co.	(33) United States of America	FORM FOR RELEASE OF AT LEAST
(72) FENTON, Gary, H.	(47) 19.01.2022	TWO ACTIVE PHARMACEUTICAL
(74) J.M.H. Duyver lic.	(51) A61K 9/00	INGREDIENTS IN THE ORAL CAVITY
(31) 201662335208 P	A61P 35/00	(73) McNeil AB
(32) 12.05.2016	A61K 31/4196	(72) LINDELL, Katarina

NICKLASSON, Fredrik	(54) IMPROVEMENTS IN BOLUS DEVICES	A61K 47/50
HUGERTH, Andreas	FOR THE DELIVERY OF ACTIVE	A61K 45/00
THYRESSON, Kristina	AGENTS TO ANIMALS	A61P 35/00
(74) dr. R.C. van Duijvenbode c.s.	(73) Elanco New Zealand	(11) EP3166976
(31) 1300404	(72) LEECH, Wayne, Frederick	(21) EP15819519.8
(32) 03.06.2013	POMROY, William, Ernest	(22) 08.07.2015
(33) Sweden	(74) ir. H.J.G. Lips c.s.	(54) ANTI-PD-L1 COMBINATIONS FOR
(47) 16.02.2022	(31) 57314308	TREATING TUMORS
(51) A61K 9/28	(32) 25.11.2008	(73) Birdie Biopharmaceuticals Inc.
A61K 31/7076	(33) New Zealand	(72) LI, Lixin
(11) EP3071191	(47) 19.01.2022	(74) J.M.H. Duyver lic.
(21) EP14812619.6	(51) A61K 31/195	(31) 201410440824
(22) 06.11.2014	A61K 31/198	201410325480
(54) SLOW-RELEASE SOLID ORAL	A61K 38/00	(32) 01.09.2014
COMPOSITIONS	A61K 38/51	09.07.2014
(73) Gnosis S.p.A.	A61P 19/10	(33) China
(72) GIOVANNONE, Daniele	(11) EP3373922	China
BERNA, Marco	(21) EP16864878.0	(47) 23.02.2022
MIRAGLIA, Niccolò	(22) 09.11.2016	(51) A61K 31/505
(74) ir. H.Th. van den Heuvel c.s.	(54) COMPOSITIONS AND METHODS	A61K 9/00
(31) MI20131906	FOR USE IN THE TREATMENT OF	A61P 27/02
201461989645 P	HOMOCYSTINURIA	A61P 27/04
(32) 18.11.2013	(73) The Regents of The University of	(11) EP3145511
07.05.2014	Colorado, A Body Corporate	(21) EP15729760.7
(33) Italy	(72) MAJTAN, Tomas	(22) 22.05.2015
United States of America	BUBLIL, Erez	(54) COMPOSITION FOR TREATING THE
(47) 05.01.2022	KRAUS, Jan, P.	EYE
(51) A61K 9/28	(74) mr. drs. L. van Wezenbeek	(73) Bitop AG
C08F 220/18	(31) 201514935690	(72) DWIVEDI, Mridula
A61K 9/19	(32) 09.11.2015	GALLA, Hans-Joachim
A61K 47/32	(33) United States of America	BILSTEIN, Andreas
A61K 9/20	(47) 05.01.2022	(74) ir. W.J.J.M. Kempes
C09D 133/06	(51) A61K 31/426	(31) 102014007423
C09D 133/10	A61P 37/06	(32) 22.05.2014
C08F 220/34	A61P 17/06	(33) Germany
C08F 220/20	A61P 3/10	(47) 05.01.2022
(11) EP3681918	A61P 35/00	(51) A61K 31/5377
(21) EP18759647.3	A61P 35/04	A61P 9/06
(22) 04.09.2018	A61P 11/06	(11) EP2988750
(54) POLYMER AND DOSAGE FORM WITH	A61P 19/02	(21) EP14720107.3
SUSTAINED RELEASE PROPERTIES	A61P 13/12	(22) 25.04.2014
AND RESISTANCE AGAINST THE	A61P 11/02	(54) USE OF LANDIOLOL
INFLUENCE OF ETHANOL	A61P 27/02	HYDROCHLORIDE IN THE
(73) Evonik Operations GmbH	A61P 17/00	LONG-TERM TREATMENT OF
(72) EURICH, Thomas	A61P 25/00	TACHYARRHYTHMIAS
JUNG, Herbert	A61P 1/00	(73) AOP Orphan Pharmaceuticals GmbH
SCHATTKA, Jan Hendrik	A61P 1/04	(72) KRUMPL, Günther
DEL ROSARIO FERRAND, Jessica	(11) EP3256125	(74) ir. J.D. de Zeeuw
ENDRES, Thomas	(21) EP15807916.0	(31) 13165582
HERMES, Florian	(22) 10.12.2015	(32) 26.04.2013
MEIER, Christian	(54) DOSING REGIMEN FOR PONESIMOD,	(33) European Patent Office (EPO)
(74) ir. W.J.J.M. Kempes	A SELECTIVE S1P1 RECEPTOR	(47) 19.01.2022
(31) PCT/EP2018/055856	AGONIST	(51) A61K 31/609
17191129	(73) Actelion Pharmaceuticals Ltd	A61K 31/522
(32) 09.03.2018	(72) KRAUSE, Andreas	A61K 31/375
14.09.2017	DINGEMANSE, Jasper	C08B 30/12
(33) World Intellectual Property Office (WIPO)	HOCH, Matthias	A23L 29/212
European Patent Office (EPO)	(74) dr. R.C. van Duijvenbode c.s.	A61K 9/20
(47) 12.01.2022	(31) PCT/EP2015/058202	A61K 9/16
(51) A61K 9/52	PCT/EP2014/077469	A61K 47/36
A61K 31/429	(32) 15.04.2015	A61K 9/00
A61K 31/7048	11.12.2014	(11) EP2261263
A61K 33/44	(33) World Intellectual Property Office (WIPO)	(21) EP09727709.9
A61P 33/10	World Intellectual Property Office (WIPO)	(22) 30.03.2009
(11) EP2361053	(47) 26.01.2022	(54) PROCESSED STARCH POWDER
(21) EP09829371.5	(51) A61K 31/4745	WITH EXCELLENT DISINTEGRATION
(22) 29.06.2009	A61K 31/708	PROPERTIES AND MANUFACTURING
	A61K 31/4375	METHOD THEREOF

- (73) Asahi Kasei Kabushiki Kaisha
Sanwa Cornstarch Co., Ltd
- (72) OBAE, Kazuhiro
ENDO, Masaaki
SUNAKO, Michihiro
KANEYAMA, Shozo
IBUKI, Ichiro
WAKAMIYA, Eishi
- (74) mr. drs. L. van Wezenbeek
- (31) 2008090807
(32) 31.03.2008
(33) Japan
(47) 23.03.2022
-
- (51) A61K 31/7115
A61P 37/04
A61P 31/12
A61P 31/04
A61P 35/00
A61P 37/06
A61P 37/08
C07H 21/00
C12N 15/117
A61K 45/06
A61K 31/7105
A61P 25/00
A61P 31/00
A61P 33/00
A61P 37/00
A61P 37/02
A61P 43/00
- (11) EP3342415
(21) EP17194752.6
(22) 08.08.2007
- (54) STRUCTURE AND USE OF 5' PHOSPHATE OLIGONUCLEOTIDES
- (73) Rheinische Friedrich-Wilhelms-Universität Bonn
- (72) HARTMANN, Gunther
HORNUNG, Veit
- (74) J.M.H. Duyver lic.
- (31) 06021271
06016578
(32) 10.10.2006
08.08.2006
- (33) European Patent Office (EPO)
European Patent Office (EPO)
- (47) 26.01.2022
-
- (51) A61K 35/30
A61K 35/545
A61P 25/16
C12N 5/00
C12N 5/071
C12N 5/0793
C12N 5/0797
- (11) EP3303564
(21) EP16804350.3
(22) 01.06.2016
- (54) METHODS OF IN VITRO DIFFERENTIATION OF MIDBRAIN DOPAMINE (MDA) NEURONS
- (73) Memorial Sloan Kettering Cancer Center
- (72) TOMISHIMA, Mark
KRIKS, Sonja
IRION, Stefan
STUDER, Lorenz
- (74) ir. W.J.J.M. Kempes
- (31) 201562169444 P
201562169379 P
- (32) 01.06.2015
01.06.2015
- (33) United States of America
United States of America
- (47) 23.02.2022
-
- (51) A61K 35/50
A61K 9/00
A61P 11/00
A61P 11/06
- (11) EP3468571
(21) EP17737937.7
(22) 13.06.2017
- (54) AMNIOTIC FLUID FORMULATION FOR TREATMENT OF LUNG DISORDERS
- (73) Mam Holdings Of West Florida, L.L.C.
- (72) HARRELL, Carl, Randall
- (74) drs. C.M.A. Quintelier
- (31) 201615290271
201662349352 P
- (32) 11.10.2016
13.06.2016
- (33) United States of America
United States of America
- (47) 26.01.2022
-
- (51) A61K 35/747
C12N 1/20
A61P 1/00
C12R 1/225
C12R 1/24
C12R 1/25
- (11) EP3341001
(21) EP16839703.2
(22) 23.08.2016
- (54) COMPOSITION AND METHOD FOR TREATMENT AND PROPHYLAXIS OF INTESTINAL INFECTION AND INFLAMMATION
- (73) Immunebiotech Medical Sweden AB
- (72) AGHAIBEIK-LAVASANI, Shahram
NOURI, Mehrnaz
- (74) dr. ir. G.J.C. Verdijck c.s.
- (31) 1551099
(32) 25.08.2015
- (33) Sweden
- (47) 29.12.2021
-
- (51) A61K 38/095
A61K 31/426
A61K 45/06
A61K 9/00
A61P 13/00
- (11) EP3024474
(21) EP14748451.3
(22) 23.07.2014
- (54) COMPOSITIONS COMPRISING DESMOPRESSIN IN COMBINATION WITH A BETA-3 ADRENERGIC RECEPTOR AGONIST
- (73) Serenity Pharmaceuticals LLC
- (72) HERSCHKOWITZ, Samuel
FEIN, Seymour H.
- (74) J.M.H. Duyver lic.
- (31) 201361857431 P
(32) 23.07.2013
- (33) United States of America
- (47) 05.01.2022
-
- (51) A61K 38/40
A61P 31/00
- (11) EP3658174
- (21) EP18752632.2
(22) 24.07.2018
- (54) LACTOFERRICIN AND LACTOFERRAMPIN FOR TREATING INFECTIONS
- (73) BICT s.r.l.
- (72) ZUCCHINALI, Stefano
VERGA, Roberto
RAPACIOLI, Silvia
MAZZEI, Emma
- (74) dr. A. Krebs
- (31) 201700085409
(32) 26.07.2017
- (33) Italy
- (47) 29.12.2021
-
- (51) A61K 38/50
A61K 39/00
C07K 16/28
C12N 9/78
A61P 35/00
- (11) EP3496743
(21) EP17840420.8
(22) 08.09.2017
- (54) COMPOSITIONS AND METHODS FOR TREATING CANCER WITH ARGININE DEPLETION AND IMMUNO ONCOLOGY AGENTS
- (73) AERase, Inc.
- (72) ROWLINSON, Scott, W.
LOWE, David
ALTERS, Susan
AGNELLO, Giulia
- (74) drs. C.M.A. Quintelier
- (31) 201762524286 P
201662372092 P
- (32) 23.06.2017
08.08.2016
- (33) United States of America
United States of America
- (47) 09.02.2022
-
- (51) A61K 39/12
A61K 39/155
C07K 19/00
A61P 31/14
A61P 11/00
- (11) EP3383428
(21) EP16920055.7
(22) 31.10.2016
- (54) RESPIRATORY SYNCYTIAL VIRUS VACCINE
- (73) Wuhan Sanli Biotechnology Co., Ltd.
- (72) ZHAO, Bali
YAN, Huimin
YANG, Jingyi
- (74) dr. A. Krebs
- (47) 09.02.2022
-
- (51) A61K 41/00
A61L 2/00
A01N 1/02
- (11) EP3463466
(21) EP17733213.7
(22) 25.05.2017
- (54) ANAEROBIC BLOOD STORAGE AND PATHOGEN INACTIVATION METHOD
- (73) Hemanext Inc.
- (72) YOSHIDA, Tatsuro
SUTTON, Jeffrey
SOWEMIMO-COKER, Samuel O.

(74) dr. R.C. van Duijvenbode c.s.	(32) 23.03.2017	GREEN, Chad
(31) 201762445081 P	(33) India	BELLORA, Val Anthony
201662342756 P	(47) 02.03.2022	ELLIOTT, Leah
(32) 11.01.2017	(51) A61L 27/38	OLSON, Erik
27.05.2016	A61L 27/22	(74) ir. A. Blokland c.s.
(33) United States of America	A61L 27/52	(47) 05.01.2022
United States of America	C12M 3/00	(51) A61N 1/36
(47) 16.02.2022	C12M 3/06	(11) EP3503965
(51) A61K 49/04	C12N 5/077	(21) EP17757767.3
A61L 24/00	(11) EP3672652	(22) 25.08.2017
A61L 24/06	(21) EP18755482.9	(54) TREATMENT OF CARDIAC
A61K 31/404	(22) 22.08.2018	DYSFUNCTION
A61K 31/41	(54) ARTIFICIAL CARTILAGE AND METHOD	(73) Galvani Bioelectronics Limited
A61K 31/44	FOR ITS PRODUCTION	The Regents of the University of
A61K 31/4745	(73) Veterinärmedizinische Universität Wien	California
A61K 31/517	Technische Universität Wien	(72) SRIDHAR, Arun
A61K 31/704	(72) ROSSER, Julie	ARDELL, Jeffrey Laurence
A61K 9/00	ERTL, Peter	SHIVKUMAR, Kalyanam
A61K 47/34	JENNER, Florian	(74) dr. R.C. van Duijvenbode c.s.
A61P 1/16	(74) J. Hoekstra	(31) 201662379937 P
A61P 9/00	(31) 17187267	(32) 26.08.2016
A61P 35/00	(32) 22.08.2017	(33) United States of America
A61P 43/00	(33) European Patent Office (EPO)	(47) 26.01.2022
(11) EP3041515	(47) 26.01.2022	(51) A61N 2/02
(21) EP14772168.2	(51) A61M 5/142	(11) EP3713641
(22) 05.09.2014	(11) EP3400040	(21) EP18808327.3
(54) RADIOPAQUE POLYMERS	(21) EP16809402.7	(22) 23.11.2018
(73) Biocompatibles UK Ltd.	(22) 12.12.2016	(54) MAGNETIC FIELD GENERATOR
(72) DREHER, Matthew R.	(54) FLUID DELIVERY SYSTEM	AS A PORTABLE NATURAL FIELD
LEWIS, Andrew Lennard	(73) Vicentra B.V.	SIMULATOR
HOHN, Stéphane	(72) CEFAI, Joseph	(73) Feucht, Peter
ASHRAFI, Koorosh	OAKES, Tim	(72) Feucht, Peter
TANG, Yiqing	(74) J.M.H. Duyver lic.	(74) dr. ir. G.J.C. Verdijk c.s.
WILLIS, Sean Leo	(31) 201600229	(31) 102017010926
(74) ir. W.J.J.M. Kempes	(32) 06.01.2016	102017010886
(31) 201315923	(33) United Kingdom	(32) 27.11.2017
(32) 06.09.2013	(47) 19.01.2022	24.11.2017
(33) United Kingdom	(51) A61M 25/10	(33) Germany
(47) 12.01.2022	A61B 1/31	Germany
(51) A61L 27/00	A61B 1/018	(47) 05.01.2022
A61F 2/00	(11) EP2683437	(51) A62C 35/13
A61L 27/34	(21) EP12754885.7	A62C 37/40
A61L 27/36	(22) 05.01.2012	B65G 1/04
A61L 27/54	(54) BALLOON-EQUIPPED ENDOSCOPIC	A62C 3/00
A61L 29/08	DEVICES AND METHODS THEREOF	A62C 27/00
A61L 31/10	(73) Smart Medical Systems Ltd.	(11) EP3423164
A61L 31/06	(72) TERLIUC, Gad	(21) EP17709612.0
A61L 27/18	LURIA, Gilad	(22) 28.02.2017
A61L 29/06	(74) dr. A. Krebs	(54) ROBOTIC FIRE EXTINGUISHING
A61L 29/16	(31) 201161457351 P	DEVICE AND HANDLING METHOD
A61L 31/16	(32) 07.03.2011	(73) Ocado Innovation Limited
A61L 27/22	(33) United States of America	(72) WHELAN, Matthew
A61L 29/04	(47) 26.01.2022	KAROLINCZAK, Pawel
A61L 31/04	(51) A61M 37/00	INGRAM-TEDD, Andrew, John
(11) EP3600463	A61M 31/00	CLARKE, Paul
(21) EP18772197.2	A61M 5/142	(74) ir. H.A. Witmans c.s.
(22) 23.03.2018	A61J 3/00	(31) 201603518
(54) A PROCESS FOR COATING A	(11) EP3220996	(32) 29.02.2016
BIOMEDICAL IMPLANT WITH A	(21) EP14906271.3	(33) United Kingdom
BIOCOMPATIBLE POLYMER AND A	(22) 20.11.2014	(47) 09.02.2022
BIOMEDICAL IMPLANT THEREFROM	(54) INSTRUMENTS AND METHODS FOR	(51) A63F 13/285
(73) Council of Scientific and Industrial	LOADING CELLS INTO IMPLANTABLE	A63F 13/50
Research	DEVICES	A63F 13/24
(72) NISAL, Anuya Amol	(73) ViaCyte, Inc.	A61N 1/00
SHETE, Abhijit Pravin	(72) KOENIG, Donald	G06F 1/16
LELE, Ashish Kishore	STROLLO, Giacomo	G06F 3/01
(74) dr. R.C. van Duijvenbode c.s.	MARTINSON, Laura	(11) EP3711829
(31) 201711010187	GRANT, Richard Alexander	(21) EP19382962.9

(22) 04.11.2019	(54) METHOD AND DEVICE FOR THE REVERSIBLE ADSORPTION OF CARBON DIOXIDE	(74) ir. W.J.J.M. Kempes
(54) WEARABLE GAMING DEVICE AND METHOD THEREOF		(31) 201762533743 P
(73) Boreal Technology & Investment S.L	(73) Skytree B.V.	201662383639 P
(72) FUERTES PEÑA, Jose	(72) THIRKETTLE, Anthony Charles	201662364491 P
(74) ir. W.J.J.M. Kempes	BEAUMONT, Maximus Llewelyn	(32) 18.07.2017
(47) 05.01.2022	(74) dr. A. Krebs	06.09.2016
(51) A63G 27/00	(47) 23.02.2022	20.07.2016
A63G 27/02	(51) B01D 71/02	(33) United States of America
A63G 27/08	B01D 69/04	United States of America
A63G 1/26	B01D 69/10	United States of America
(11) EP3636329	B01D 69/12	(47) 02.03.2022
(21) EP19201615.2	C01B 39/04	(51) B01J 3/00
(22) 07.10.2019	(11) EP2540384	C10G 31/08
(54) ATTRACTION FOR AMUSEMENT RIDES	(21) EP11747471.8	C10G 75/00
(73) K.I.G. Heerenveen B.V.	(22) 24.02.2011	(11) EP3370858
(72) GROELS, HENDRIKUS MARIA PETRO JOHANNES HELENA	(54) PROCESS FOR PRODUCING ZEOLITE FILM	(21) EP16867374.7
(74) drs. C.H. Mink-Lindenburg	(73) NGK Insulators, Ltd.	(22) 13.12.2016
(31) 2021772	(72) NIINO, Makiko	(54) SUPERCRITICAL REACTOR SYSTEMS AND PROCESSES FOR PETROLEUM UPGRADING
(32) 08.10.2018	UCHIKAWA, Tetsuya	(73) Saudi Arabian Oil Company
(33) Netherlands	YAJIMA, Kenji	(72) CHOI, Ki-Hyouk
(47) 29.12.2021	(74) dr. R.C. van Duijvenbode c.s.	ALABDULHAD1, Abdullah T.
(51) B01D 21/00	(31) 2010039929	ALABDULLAH, Mohammad A.
C02F 1/52	(32) 25.02.2010	(74) ir. W.J.J.M. Kempes
(11) EP2595716	(33) Japan	(31) 201562267406 P
(21) EP11770832.1	(47) 16.02.2022	(32) 15.12.2015
(22) 19.07.2011	(51) B01F 7/00	(33) United States of America
(54) METHOD AND SYSTEM FOR MONITORING PROPERTIES OF AN AQUEOUS STREAM	B01F 15/00	(47) 26.01.2022
(73) Kemira Oyj	C12M 1/06	(51) B01J 21/04
(72) JOENSUU, Iiris	C12M 1/00	B01J 21/06
TUOMIVAARA, Seppo	(11) EP3397377	B01J 21/12
SAARI, Eija	(21) EP16826262.4	B01J 23/26
SIRVIÖ, Jukka-Pekka	(22) 21.12.2016	B01J 37/18
PIIRONEN, Marjatta	(54) FLUID MIXING SYSTEM WITH LATERALLY DISPLACED FLEXIBLE DRIVE LINES AND METHODS OF USE	B01J 8/06
(74) ir. W.J.J.M. Kempes	(73) Life Technologies Corporation	(11) EP3551327
(31) 20105813	(72) BRAU, Christopher D.	(21) EP17879349.3
(32) 20.07.2010	JONES, Nephi D.	(22) 08.12.2017
(33) Finland	(74) dr. W.A.H.M. Van Borm	(54) PROCESS FOR OPERATING A HIGHLY PRODUCTIVE TUBULAR REACTOR
(47) 26.01.2022	(31) 201562272504 P	(73) Velocys Technologies Limited
(51) B01D 25/164	(32) 29.12.2015	(72) STEYNBERG, Andre
B01D 25/19	(33) United States of America	ROBOTA, Heinz
(11) EP3697516	(47) 02.03.2022	FITZGERALD, Sean
(21) EP18785977.2	(51) B01F 7/16	SILVA, Laura
(22) 18.10.2018	A47J 43/00	ARORA, Ravi
(54) FILTER PRESS AND METHOD FOR SEPARATING THE SOLID COMPONENTS FROM THE LIQUID COMPONENTS OF A SLURRY	A47J 43/04	NEAGLE, Paul
(73) Metso Outotec Finland Oy	A47J 43/042	PERRY, Steven
(72) GRÖNVALL, Lars	A47J 43/044	YANG, Bin
(31) 17197183	A47J 43/046	SCHUBERT, Paul
(32) 18.10.2017	A47J 43/08	ROBINSON, Jason
(33) European Patent Office (EPO)	A47J 43/07	(74) ir. H.A. Witmans c.s.
(47) 29.12.2021	(11) EP3487610	(31) 201662432480 P
(51) B01D 53/04	(21) EP17830613.0	201662432450 P
B01J 20/28	(22) 20.07.2017	(32) 09.12.2016
B01J 47/02	(54) SINGLE-USE FOOD PREPARATION CONTAINER ASSEMBLY AND SYSTEM	09.12.2016
B01D 53/047	(73) Blix Ltd.	(33) United States of America
B01D 53/053	(72) WEIJERS, Marcel Hendrikus Simon	United States of America
(11) EP3191211	KUSTER, Johannes Gabriel	(47) 16.02.2022
(21) EP14766461.9	BRONKHORST, Joris	(51) B01J 29/40
(22) 12.09.2014	MALTHA, Krijn	B01J 35/08
	LEIJENAAR, Sybren Yme	B01J 37/08
	STERNGOLD, Ariel	B01J 35/02
	OZANA, Shalom	(11) EP3280530
	DIKHOFF, Hans Constant	(21) EP16777339.9
	NIJSEN, Andreas Jacobus Louis	(22) 08.04.2016
		(54) ZSM-5 CATALYST
		(73) BASF Corporation

(72) DOWD, Brendan, Patrick CASTELLANO, Christopher, R. GAO, Xingtao	(47) 29.12.2021	(11) EP3357617
(74) dr. W.A.H.M. Van Borm	(51) B05B 1/30	(21) EP17154122.0
(31) 201562145170 P	G01F 25/00	(22) 01.02.2017
(32) 09.04.2015	G01R 35/00	(54) PROFILE PROCESSING DEVICE, PROFILE PROCESSING LINE, AND PROCESS
(33) United States of America	G01F 13/00	(73) F. M. ROTOX Sp. z. o.o.
(47) 16.03.2022	B05B 9/01	(72) Pieruska, Piotr
(51) B01L 3/00	B05B 12/00	Krawczyk, Marek
(11) EP3383538	B05B 15/58	Sonka, Jan
(21) EP16871375.8	(11) EP3335797	Franczok, Krzysztof
(22) 30.11.2016	(21) EP17191067.2	(74) ir. W.J.J.M. Kempes
(54) LIQUID STORAGE AND DELIVERY MECHANISMS	(22) 19.02.2013	(47) 23.02.2022
(73) Illumina, Inc.	(54) SYSTEM FOR CALIBRATING NEEDLE LIFT IN A SPRAY GUN ASSEMBLY	(51) B23K 26/0622
(72) WATTS, Gary	(73) Stolle Machinery Company, LLC	B23K 26/53
CRIVELLI, Paul	(72) HOLT, Steven	B23K 101/40
(74) ir. W.J.J.M. Kempes	ZUMBERGER, Neil	B23K 103/00
(31) 201662408757 P	(74) dr. R.C. van Duijvenbode c.s.	(11) EP2964417
201662408628 P	(31) 201213471782	(21) EP14726069.9
201662315958 P	(32) 15.05.2012	(22) 03.04.2014
201662278017 P	(33) United States of America	(54) METHOD FOR PROVIDING THROUGH- OPENINGS IN A SUBSTRATE
201562261682 P	(47) 16.02.2022	(73) LPKF Laser & Electronics AG
(32) 15.10.2016	(51) B08B 3/10	(72) AMBROSIUS, Norbert
14.10.2016	B08B 3/14	KRÜGER, Robin, Alexander
31.03.2016	(11) EP3717141	OSTHOLT, Roman
13.01.2016	(21) EP19717438.6	(74) ir. W.J.J.M. Kempes
01.12.2015	(22) 28.03.2019	(31) 102013112033
(33) United States of America	(54) METHOD AND DEVICE FOR PROVIDING A MEDIUM BY MEANS OF CYCLIC NUCLEATION	102013103370
United States of America	(73) LPW Reinigungssysteme GmbH	(32) 31.10.2013
United States of America	(72) STEHLIG, Claudia	04.04.2013
United States of America	HAUGER, Hans	(33) Germany
United States of America	(74) ir. W.J.J.M. Kempes	Germany
(47) 09.03.2022	(31) 102018107473	(47) 12.01.2022
(51) B01L 3/02	(32) 28.03.2018	(51) B23K 35/26
B01L 3/00	(33) Germany	C03C 27/04
G01N 33/543	(47) 26.01.2022	B32B 17/10
G01N 33/544	(51) B21D 22/02	(11) EP2704873
G01N 35/10	B21D 22/20	(21) EP12725870.5
(11) EP2945745	B21J 5/12	(22) 02.05.2012
(21) EP14747112.2	B23K 26/322	(54) GLAZING WITH A SOLDERED CONNECTOR
(22) 19.01.2014	B62D 25/04	(73) Pilkington Group Limited
(54) METHODS TO FABRICATE, MODIFY, REMOVE AND UTILIZE FLUID MEMBRANES	B62D 29/00	(72) IKAWA, Naotaka
(73) Fluicell AB	B23K 26/244	OKAMOTO, Kozo
(72) GOZEN, Irep	B23K 33/00	ONO, Kazuhisa
SHAALI, Mehraz	B23K 101/00	LYON, Michael
AINLA, Alar	B23K 101/18	INADA, Kazuo
JESORKA, Aldo	B23K 101/34	YOSHIDA, Mamoru
(74) ir. W.J.J.M. Kempes	B23K 103/04	SUZUKI, Takashi
(31) 201361754554 P	(11) EP3727716	MUROMACHI, Takashi
(32) 19.01.2013	(21) EP18827250.4	(74) dr. W.A.H.M. Van Borm
(33) United States of America	(22) 04.12.2018	(31) 201111481
(47) 02.03.2022	(54) METHOD OF MANUFACTURING A WELDED STEEL PART TO BE USED AS MOTOR VEHICLE PART	201107311
(51) B02C 13/284	(73) ArcelorMittal	(32) 05.07.2011
(11) EP3354345	(72) HAOUAS, Jessy	03.05.2011
(21) EP18162594.8	(74) dr. R.C. van Duijvenbode c.s.	(33) United Kingdom
(22) 10.04.2014	(31) PCT/IB2017/058270	United Kingdom
(54) GRINDING SCREEN FOR A DEVICE FOR GRINDING BULK MATERIAL	(32) 21.12.2017	(47) 09.02.2022
(73) HAAS Holzzerkleinerungs- und Fördertechnik GmbH	(33) World Intellectual Property Office (WIPO)	(51) B26B 19/14
(72) HAAS, Volker	(47) 26.01.2022	(11) EP3713724
(74) dr. R.C. van Duijvenbode c.s.	(51) B23C 3/12	(21) EP18796454.9
(31) 102013206449	B23P 23/02	(22) 04.11.2018
(32) 11.04.2013	B23Q 1/48	(54) HAIR CUTTING UNIT HAVING A COUPLING STRUCTURE
(33) Germany	B27C 9/04	(73) Koninklijke Philips N.V.
	B27M 1/08	(72) PAAUW, Hendrik, Klaas
	B27M 3/00	SEIP, Hilde

(74) drs. O. Griebing	(32) 12.08.2015	SURFACES HAVING CHEMICALLY
(31) 17202788	(33) Germany	FUNCTIONALIZED MICROCAVITIES
(32) 21.11.2017	(47) 16.02.2022	(73) Leibniz-Institut für Polymerforschung
(33) European Patent Office (EPO)	(51) B28C 7/00	Dresden e.V.
(47) 05.01.2022	C08J 3/00	(72) NAGEL, Jürgen
(51) B26D 1/547	C08L 21/00	ZIMMERMANN, Philipp
B25B 11/00	(11) EP3609664	(74) ir. W.J.J.M. Kempes
B62D 67/00	(21) EP18801733.9	(31) 102016124439
(11) EP3615285	(22) 18.05.2018	(32) 15.12.2016
(21) EP18728301.5	(54) ASPHALT COMPOSITIONS AND	(33) Germany
(22) 24.04.2018	METHODS OF MAKING SAME	(47) 09.02.2022
(54) A DEVICE FOR RELEASING GLASSES	(73) Kraton Polymers LLC	(51) B29C 64/112
FROM VEHICLE BODIES AND A	(72) KLUTTZ, Robert Q.	B29C 64/277
METHOD OF RELEASING GLASSES	WILLIS, Carl, L.	B29C 64/264
FROM VEHICLE BODIES	PUCHALSKI, Sebastian	B33Y 10/00
(73) Hauser, Vladimír	LUBBERS, Christopher M.	B33Y 30/00
(72) HAUSER, Vladimír	DUBOIS, Donn A.	(11) EP3831575
HAUSER, Alexander	JELLEMA, Erica	(21) EP20187574.7
(74) J. Hoekstra	(74) ir. W.J.J.M. Kempes	(22) 02.05.2004
(31) 20170232	(31) 201762508065 P	(54) APPARATUS FOR PRODUCING
(32) 27.04.2017	(32) 18.05.2017	AN OBJECT BY SEQUENTIAL
(33) Czech Republic	(33) United States of America	DEPOSITION OF LAYERS OF
(47) 29.12.2021	(47) 16.02.2022	CONSTRUCTION MATERIAL
(51) B26D 7/30	(51) B29B 11/16	(73) Stratasys Ltd.
B26D 7/06	B29D 99/00	(72) KLEINHENDLER, Chaim
B26D 5/00	(11) EP3765254	DANAI, Dror
B26D 3/16	(21) EP19724274.6	ESHED, David
B65B 1/32	(22) 12.03.2019	LEVI, Moshe
(11) EP3466624	(54) FABRICATION OF THREE-	GOTHAIT, Hanan
(21) EP18199359.3	DIMENSIONAL COMPOSITE	BAR NATHAN, Meir
(22) 09.10.2018	STRUCTURES	KRITCHMAN, Eliahu M.
(54) METHOD AND DEVICE FOR SLICING	(73) Cytec Industries Inc.	ZEITUN, Igal
OPEN FOOD PRODUCTS WITH	(72) PARKINSON, Robert	MENCHIK, Guy
COMPENSATION OF WEIGHT	GREBER, Sebastien, Luc	(74) ir. W.J.J.M. Kempes
DIFFERENCES	TREIBER, Johannes Wolf, Georg	(31) 466731 P
(73) Weber Maschinenbau GmbH	(74) ir. W.J.J.M. Kempes	(32) 01.05.2003
Breidenbach	(31) 201862641648 P	(33) United States of America
(72) SCHAUB, Joachim	(32) 12.03.2018	(47) 02.02.2022
SCHMEISER, Jörg	(33) United States of America	(51) B29C 64/40
STREMEL, Jörg	(47) 12.01.2022	B29C 64/106
(74) dr. R.C. van Duijvenbode c.s.	(51) B29B 15/14	B33Y 10/00
(31) 102017217925	B29B 9/14	B33Y 30/00
(32) 09.10.2017	C08J 3/12	B22F 3/105
(33) Germany	C08J 5/06	B28B 1/00
(47) 16.02.2022	B29B 15/12	B33Y 70/00
(51) B27B 33/10	B29C 45/00	B33Y 50/02
B27B 21/00	(11) EP3536472	(11) EP3254829
B23D 61/12	(21) EP17867149.1	(21) EP17174370.1
(11) EP3330052	(22) 17.10.2017	(22) 02.06.2017
(21) EP15902274.8	(54) ASSEMBLY OF MOLDING MATERIALS,	(54) METHOD AND DEVICE FOR
(22) 26.08.2015	AND METHOD FOR PRODUCING	GENERATING A THREE-DIMENSIONAL
(54) HANDSAW	ASSEMBLY OF MOLDING MATERIALS	OBJECT
(73) U.M. Kogyo Inc.	(73) Teijin Limited	(73) EOS GmbH Electro Optical Systems
(72) MIYAWAKI, Shozo	(72) HUA, Guofei	(72) FEY, Georg
(74) mr. ir. J. van Breda c.s.	KOBAYASHI, Daisuke	(74) dr. ir. G.J.C. Verdijck c.s.
(47) 23.02.2022	(74) dr. R.C. van Duijvenbode c.s.	(31) 102016209933
(51) B28B 11/00	(31) 2016214221	(32) 06.06.2016
E04D 1/04	(32) 01.11.2016	(33) Germany
E04D 1/36	(33) Japan	(47) 29.12.2021
(11) EP3347181	(47) 26.01.2022	(51) B29D 30/54
(21) EP16748115.9	(51) B29C 37/00	B29D 30/00
(22) 05.08.2016	B29C 45/14	(11) EP3706992
(54) ROOF TILE HAVING A WATER	C08J 7/12	(21) EP18797161.9
BARRIER SHAPED THEREON	(11) EP3336136	(22) 05.11.2018
(73) Monier Roofing GmbH	(21) EP17207354.6	(54) RETREADING METHOD FOR A TYRE
(72) ARMBRUST, Jürgen	(22) 14.12.2017	COMPRISING AN ELECTRONIC
(74) J.M.H. Duyver lic.	(54) METHOD FOR MODIFYING PLASTIC	ASSEMBLY
(31) 102015113328	SURFACES AND MODIFIED PLASTIC	

(73) Compagnie Générale des Etablissements Michelin	(11) EP3535127	(33) Japan
(72) FAGOT-REVURAT, Lionel	(21) EP17791423.1	Japan
MOSNIER, Thomas	(22) 02.11.2017	(47) 16.02.2022
(74) ir. W.J.J.M. Kempes	(54) MAGNETIC COUPLING DEVICE	(51) B41J 11/66
(31) 1771177	(73) Tonejet Limited	(11) EP3450187
(32) 08.11.2017	(72) CLIPPINGDALE, Andrew John	(21) EP18190362.6
(33) France	SHARP, John Lawton	(22) 23.08.2018
(47) 12.01.2022	EDWARDS, Simon John	(54) PRINT CONTROLLER
(51) B32B 5/02	WOODS, Jeffrey Mark	(73) Canon Production Printing Holding B.V.
B32B 25/08	HALLS, Jonathan James Michael	(72) LEYMARIE, Vincent
B32B 25/10	INGHAM, Ian Philip Butler	SEMOUCHINE, Lioudmila
B32B 25/18	(74) J.M.H. Duyver lic.	(74) ir. M.J. Groen
B32B 27/08	(31) 16196962	(31) 17189002
B32B 27/12	16196965	(32) 01.09.2017
B32B 27/32	16196961	(33) European Patent Office (EPO)
(11) EP3643494	16196963	(47) 26.01.2022
(21) EP18202723.5	(32) 02.11.2016	(51) B41M 5/00
(22) 25.10.2018	02.11.2016	B65H 23/188
(54) A SEALING DEVICE WITH A	02.11.2016	B65H 23/192
WELDABLE FIBER-BASED LAYER	02.11.2016	B41J 3/413
(73) SIKA TECHNOLOGY AG	(33) European Patent Office (EPO)	B41J 15/04
(72) Roskamp, Robert	European Patent Office (EPO)	(11) EP3599098
Flück, Armin	European Patent Office (EPO)	(21) EP19184153.5
Knebel, Oliver	European Patent Office (EPO)	(22) 03.07.2019
Schoenbrodt, Simon	(47) 09.03.2022	(54) A PRINTING ASSEMBLY FOR DIGITAL
(74) ir. W.J.J.M. Kempes	(51) B41J 2/175	PRINTING ON A CONTINUOUS METAL
(47) 12.01.2022	B41J 2/135	STRIP
(51) B32B 27/30	B41J 5/46	(73) Globus S.R.L.
B32B 1/08	G11C 5/02	(72) PUTTINI, Giacomo
B32B 5/08	(11) EP3554843	(74) ir. A. Blokland c.s.
B32B 27/08	(21) EP17894785.9	(31) 201800007488
B32B 27/12	(22) 31.01.2017	(32) 25.07.2018
B29C 53/56	(54) DISPOSING MEMORY BANKS AND	(33) Italy
F16L 11/08	SELECT REGISTER	(47) 12.01.2022
D02G 3/16	(73) Hewlett-Packard Development Company,	(51) B42D 25/455
(11) EP3519187	L.P.	B42D 25/46
(21) EP17780174.3	(72) NOORASHEKIN BINTE, Jamil	B42D 25/47
(22) 28.09.2017	NG, Boon Bing	B42D 25/29
(54) THERMOPLASTIC COMPOSITE	(74) dr. W.A.H.M. Van Borm	B42D 25/328
(73) Baker Hughes Energy Technology UK	(47) 19.01.2022	B42D 25/378
Limited	(51) B41J 3/407	B32B 37/02
(72) JHA, Vineet	B41J 11/06	B44C 1/17
LATTO, James	B41J 11/00	(11) EP3287296
AL-ZUBAIDY, Majeed	(11) EP3450180	(21) EP17188847.2
DODDS, Neville	(21) EP17188168.3	(22) 04.05.2012
FINCH, David	(22) 28.08.2017	(54) METHOD AND DEVICE FOR HOT
(74) dr. A. Krebs	(54) METHOD AND DEVICE FOR TREATING	STAMPING
(31) 201616706	TEXTILE	(73) Leonhard Kurz Stiftung & Co. KG
(32) 30.09.2016	(73) Schiestl, Angelo	(72) WENING, Jochen
(33) United Kingdom	(72) Schiestl, Angelo	PFORTE, Klaus
(47) 23.02.2022	(74) J.M.H. Duyver lic.	MÜHLFELDER, Peter
(51) B32B 38/06	(47) 29.12.2021	(74) ir. A. Blokland c.s.
B32B 41/00	(51) B41J 11/00	(31) 102011103000
(11) EP3708366	B41J 3/60	(32) 24.05.2011
(21) EP19162681.1	B41J 15/04	(33) Germany
(22) 13.03.2019	(11) EP3275675	(47) 09.03.2022
(54) DEVICE OF ADJUSTING	(21) EP17182996.3	(51) B60H 1/00
REGISTRATION OF PLASTIC	(22) 25.07.2017	H01M 10/633
FLOORING	(54) APPARATUS TO PERFORM	(11) EP3677458
(73) Lu, Ding Yi	OPERATION ON CONVEYED OBJECT	(21) EP18863764.9
(72) Lu, Ding Yi	(73) Ricoh Company, Ltd.	(22) 29.09.2018
(74) mr. ir. J. van Breda c.s.	(72) SUNAOSHI, Masayuki	(54) TEMPERATURE REGULATION
(47) 02.02.2022	MIZUNO, Masahiro	METHOD AND TEMPERATURE
(51) B41F 17/00	(74) ir. H.A. Witmans c.s.	REGULATION SYSTEM FOR VEHICLE
B41F 17/18	(31) 2017135008	(73) BYD Company Limited
B41F 17/20	2016146810	(72) WU, Xingchi
F16D 27/01	(32) 10.07.2017	WANG, Hongjun
	26.07.2016	TAN, Jigang

(74) ir. W.J.J.M. Kempes	(32) 18.02.2016	(72) Klug, Silas
(31) 201710940351	(33) Germany	Moia, Alessandro
(32) 30.09.2017	(47) 05.01.2022	(74) ir. H.A. Witmans c.s.
(33) China	(51) B62D 25/16	(31) 102018218969
(47) 23.02.2022	B62D 25/18	(32) 07.11.2018
(51) B60J 1/00	B62D 35/02	(33) Germany
(11) EP3707020	B62D 35/00	(47) 23.03.2022
(21) EP18839742.6	(11) EP2914477	(51) B62M 25/08
(22) 12.11.2018	(21) EP13851505.1	B62M 9/122
(54) MOBILE ACCOMODATION AS	(22) 01.11.2013	B62M 9/132
WELL AS A FRAMED WINDOW AND	(54) AERODYNAMIC SYSTEM AND	B62K 23/06
FRAMEWORK THEREFOR	ADJUSTABLE FAIRINGS	B62K 23/02
(73) Polyplastic Group B.V.	(73) Flowbelow Aero, Inc.	B62K 21/12
(72) VEENEMAN, Jan Peter	(72) BUTLER, Joshua	(11) EP3683130
ROUKEMA, Joris Michiel	SHAH, Redza	(21) EP20152678.7
(74) drs. A.A. Jilderda	WALKER, Kyle	(22) 20.01.2020
(31) 2019881	UYS, Timothy	(54) BICYCLE CONTROL SYSTEM
(32) 10.11.2017	(74) ir. H.Th. van den Heuvel c.s.	(73) SRAM, LLC.
(33) Netherlands	(31) 201261746386 P	(72) Ho, Alexander Kon-I
(47) 29.12.2021	201261721314 P	(74) J.M.H. Duyver lic.
(51) B60L 53/18	(32) 27.12.2012	(31) 201916251711
B60L 53/62	01.11.2012	(32) 18.01.2019
B60L 53/31	(33) United States of America	(33) United States of America
(11) EP3323666	United States of America	(47) 09.03.2022
(21) EP17175286.8	(47) 05.01.2022	(51) B63G 8/00
(22) 09.06.2017	(51) B62K 19/40	B63B 22/18
(54) ELECTRIC VEHICLE SUPPLY	B62H 1/02	(11) EP3728018
EQUIPMENT WITH A PLURALITY	(11) EP3590802	(21) EP18830944.7
OF POWER CONVERTERS AND	(21) EP19184367.1	(22) 07.12.2018
CHARGING METHOD	(22) 04.07.2019	(54) SYSTEM AND METHOD FOR POWER
(73) Delta Electronics, Inc.	(54) BICYCLE WITH KICKSTAND AND	AND DATA TRANSMISSION IN A
(72) Wu, Tsung-Yuan	DROPOUT OF A BICYCLE FRAME	BODY OF WATER TO UNMANNED
(74) dr. R.C. van Duijvenbode c.s.	(73) Hebie GmbH & Co. KG	UNDERWATER VEHICLES
(31) 105137403	(72) Ronge, Peter	(73) SAIPEM S.P.A.
(32) 16.11.2016	(74) ir. J.C. Volmer c.s.	(72) SERENA, Alberto
(33) Taiwan, Province of China	(31) 202018103821 U	LAZZARIN, Diego
(47) 23.02.2022	(32) 04.07.2018	MASSARI, Giovanni
(51) B60S 9/12	(33) Germany	(74) ir. F.A. Geurts c.s.
B60G 17/015	(47) 09.02.2022	(31) 201700145949
B66C 23/80	(51) B62M 1/38	(32) 18.12.2017
(11) EP3722165	B62M 6/45	(33) Italy
(21) EP20165395.3	B62K 3/00	(47) 26.01.2022
(22) 24.03.2020	B62M 11/16	(51) B64D 1/12
(54) METHOD FOR ELECTRO-HYDRAULIC	B62K 5/02	B64D 1/22
ALIGNMENT OF SUPPORT BODIES OR	B62K 1/00	(11) EP3720768
TRAILERS	B62M 6/65	(21) EP18815150.0
(73) EWO Fluid Power GmbH	B62M 6/90	(22) 03.12.2018
(72) WOLF, Markus	(11) EP3452363	(54) DEVICE FOR THE EMERGENCY
Evesque, Christian	(21) EP17792294.5	MANUAL CONTROL OF A REMOTE
(74) ir. W.J.J.M. Kempes	(22) 04.05.2017	SYSTEM
(31) 102019002237	(54) A PEDAL CYCLE DRIVETRAIN AND A	(73) Lace
(32) 28.03.2019	HUMAN POWERED VEHICLE	(72) LACHEVRE, Paul
(33) Germany	(73) Farthing Technology Pty Ltd	MAINGUIN, Patrick
(47) 29.12.2021	(72) HAWKINS, David	(74) ir. F.A. Geurts c.s.
(51) B62B 3/00	(74) J.M.H. Duyver lic.	(31) 1761791
B62B 3/02	(31) 2016901642	(32) 07.12.2017
(11) EP3208174	(32) 04.05.2016	(33) France
(21) EP17155335.7	(33) Australia	(47) 09.02.2022
(22) 09.02.2017	(47) 05.01.2022	(51) B65B 9/20
(54) TRANSPORT TROLLEY	(51) B62M 6/45	B29C 65/00
(73) Wanzl GmbH & Co. KGaA	B60T 8/17	B29C 65/02
(72) Waigel, Markus	B62L 3/00	(11) EP3677520
Brecheisen, Matthias	(11) EP3650326	(21) EP19208224.6
Gasche, Thomas	(21) EP19197080.5	(22) 11.11.2019
Schantini, Georg	(22) 12.09.2019	(54) DEVICE FOR PRODUCING TUBULAR
Paul, Jürgen	(54) BICYCLE WITH ELECTRIC DRIVE	BAGS WITH MULTI-EDGE SEALING
(74) dr. ir. G.J.C. Verdijck c.s.	WITH IMPROVED STABILITY	(73) Hastamat Verpackungstechnik GmbH +
(31) 102016102900	(73) Robert Bosch GmbH	Co. KG.

(72) PIEPENBROCK, Olaf ESSEN, Ivan	(54) BIODEGRADABLE AND COMPOSTABLE FOOD PACKAGING UNIT FROM A MOULDED PULP	FROM SELF-CROSS-LINKING FIBRILLATED CELLULOSE
(74) ir. H.A. Witmans c.s.	(73) BillerudKorsnäs AB	(73) BillerudKorsnäs AB
(31) 102018129676	(72) LARSSON, Per	(72) LARSSON, Per
(32) 26.11.2018	WÄGBERG, Lars	WÄGBERG, Lars
(33) Germany	(74) dr. R.C. van Duijvenbode c.s.	(74) dr. R.C. van Duijvenbode c.s.
(47) 05.01.2022	(31) 1300586	(31) 1300586
(51) B65B 11/00	(32) 06.09.2013	(32) 06.09.2013
B65B 11/02	(33) Sweden	(33) Sweden
B65B 59/04	(47) 26.01.2022	(47) 26.01.2022
B65B 9/13	(51) B65D 85/804	(51) B65D 85/804
(11) EP3838771	(11) EP3336013	(11) EP3336013
(21) EP20213688.3	(21) EP18150766.6	(21) EP18150766.6
(22) 14.12.2020	(22) 20.09.2011	(22) 20.09.2011
(54) MACHINE FOR WRAPPING PALLETS	(54) CASPULE AND METHOD FOR MAKING A BEVERAGE USING SUCH A CAPSULE	(54) CASPULE AND METHOD FOR MAKING A BEVERAGE USING SUCH A CAPSULE
(73) Officina Bocedi S.R.L.	(73) K-fee System GmbH	(73) K-fee System GmbH
(72) BOCEDI, Stefano	(72) MAHLICH, Gotthard	(72) MAHLICH, Gotthard
BUSATO, Federico	(74) ir. W.J.J.M. Kempes	(74) ir. W.J.J.M. Kempes
(74) dr. R.C. van Duijvenbode c.s.	(31) 102011012881	(31) 102011012881
(31) 201900024781	102011010589	102011010589
(32) 19.12.2019	202010013500 U	202010013500 U
(33) Italy	201113044217	201113044217
(47) 12.01.2022	(32) 02.03.2011	(32) 02.03.2011
(51) B65D 21/02	07.02.2011	07.02.2011
B65D 77/20	22.09.2010	22.09.2010
B65D 81/20	09.03.2011	09.03.2011
B65B 51/02	(33) Germany	(33) Germany
B65B 51/10	Germany	Germany
(11) EP3184453	United States of America	United States of America
(21) EP16174861.1	(47) 12.01.2022	(47) 12.01.2022
(22) 10.01.2011	(51) B65F 5/00	(51) B65F 5/00
(54) SEALABLE CONTAINER, SEALED CONTAINER AND PROCESSES FOR MAKING THEREOF	(11) EP2544969	(11) EP2544969
(73) LINPAC Packaging Limited	(21) EP11711953.7	(21) EP11711953.7
(72) DAVEY, Alan	(22) 03.03.2011	(22) 03.03.2011
HOWDEN, Stephen	(54) METHOD OF USE OF A PNEUMATIC MATERIAL CONVEYING SYSTEM AND PNEUMATIC MATERIAL CONVEYING SYSTEM	(54) METHOD OF USE OF A PNEUMATIC MATERIAL CONVEYING SYSTEM AND PNEUMATIC MATERIAL CONVEYING SYSTEM
HARDWICK, Craig	(73) Maricap OY	(73) Maricap OY
PARKER, David	(72) SUNDHOLM, Göran	(72) SUNDHOLM, Göran
(74) mr. drs. L. van Wezenbeek	(74) mr. ir. J. van Breda c.s.	(74) mr. ir. J. van Breda c.s.
(31) 201011918	(31) 20105249	(31) 20105249
201000310	(32) 12.03.2010	(32) 12.03.2010
(32) 15.07.2010	(33) Finland	(33) Finland
08.01.2010	(47) 26.01.2022	(47) 26.01.2022
(33) United Kingdom	(51) B65G 17/08	(51) B65G 17/08
United Kingdom	B65G 17/40	B65G 17/40
(47) 09.03.2022	(11) EP3484793	(11) EP3484793
(51) B65D 33/16	(21) EP17754808.8	(21) EP17754808.8
G01K 11/12	(22) 14.07.2017	(22) 14.07.2017
B65D 33/34	(54) MODULAR CONVEYOR, CONVEYOR MODULE AND METHOD OF COUPLING MODULES OF A CONVEYOR	(54) MODULAR CONVEYOR, CONVEYOR MODULE AND METHOD OF COUPLING MODULES OF A CONVEYOR
(11) EP3601971	(73) Rexnord FlatTop Europe B.V.	(73) Rexnord FlatTop Europe B.V.
(21) EP18709258.0	Rexnord FlatTop Europe S.r.l.	Rexnord FlatTop Europe S.r.l.
(22) 22.02.2018	(72) MARCHIANI, Guido	(72) MARCHIANI, Guido
(54) PLASTIC SECURITY BAG	CORNELISSEN, Leonardus Adrianus Catharinus	CORNELISSEN, Leonardus Adrianus Catharinus
(73) Anton Debatin GmbH Werk für werbende Verpackung	ANDREOLI, Andrea	ANDREOLI, Andrea
(72) ROSE, Thomas	MENKE, Cornelis Hendrik Mijndert	MENKE, Cornelis Hendrik Mijndert
(74) ir. J.C. Volmer c.s.	(74) ir. H.A. Witmans c.s.	(74) ir. H.A. Witmans c.s.
(31) 102017002941	(31) 201600074209	(31) 201600074209
(32) 27.03.2017	2017173	2017173
(33) Germany	(32) 15.07.2016	(32) 15.07.2016
(47) 16.02.2022		
(51) B65D 65/46		
B65D 1/34		
C08L 67/00		
(11) EP3774573		
(21) EP19719955.7		
(22) 28.03.2019		
	(73) Huhtamaki Molded Fiber Technology B.V.	(73) Huhtamaki Molded Fiber Technology B.V.
	(72) KUIPER, Harald John	(72) KUIPER, Harald John
	TIMMERMAN, Jan Hendrik	TIMMERMAN, Jan Hendrik
	(74) dr. ir. G.J.C. Verdijck c.s.	(74) dr. ir. G.J.C. Verdijck c.s.
	(31) 2021326	(31) 2021326
	2020687	2020687
	(32) 17.07.2018	(32) 17.07.2018
	29.03.2018	29.03.2018
	(33) Netherlands	(33) Netherlands
	Netherlands	Netherlands
	(47) 02.03.2022	(47) 02.03.2022
	(51) B65D 71/50	(51) B65D 71/50
	B65B 17/02	B65B 17/02
	(11) EP3774574	(11) EP3774574
	(21) EP19722172.4	(21) EP19722172.4
	(22) 04.04.2019	(22) 04.04.2019
	(54) IMPROVEMENTS IN OR RELATING TO CONTAINER CARRIERS	(54) IMPROVEMENTS IN OR RELATING TO CONTAINER CARRIERS
	(73) British Polythene Limited	(73) British Polythene Limited
	(72) BATES, Stephen	(72) BATES, Stephen
	(74) dr. R.C. van Duijvenbode c.s.	(74) dr. R.C. van Duijvenbode c.s.
	(31) 201810040	(31) 201810040
	201805581	201805581
	(32) 19.06.2018	(32) 19.06.2018
	05.04.2018	05.04.2018
	(33) United Kingdom	(33) United Kingdom
	United Kingdom	United Kingdom
	(47) 29.12.2021	(47) 29.12.2021
	(51) B65D 71/58	(51) B65D 71/58
	B65D 77/04	B65D 77/04
	(11) EP3532403	(11) EP3532403
	(21) EP17794555.7	(21) EP17794555.7
	(22) 23.10.2017	(22) 23.10.2017
	(54) PACKAGE SYSTEM COMPRISING A BASKET STYLE CARRIER AND A SHIPPING CARTON	(54) PACKAGE SYSTEM COMPRISING A BASKET STYLE CARRIER AND A SHIPPING CARTON
	(73) WestRock Packaging Systems, LLC	(73) WestRock Packaging Systems, LLC
	(72) ZACHERLE, Matthew E.	(72) ZACHERLE, Matthew E.
	JAMES, Jeffrey S.	JAMES, Jeffrey S.
	(74) J.M.H. Duyver lic.	(74) J.M.H. Duyver lic.
	(31) 201662415113 P	(31) 201662415113 P
	(32) 31.10.2016	(32) 31.10.2016
	(33) United States of America	(33) United States of America
	(47) 05.01.2022	(47) 05.01.2022
	(51) B65D 81/24	(51) B65D 81/24
	C08B 15/02	C08B 15/02
	C08B 15/10	C08B 15/10
	D21H 11/18	D21H 11/18
	B32B 9/02	B32B 9/02
	B32B 27/10	B32B 27/10
	B65D 65/40	B65D 65/40
	C08B 15/08	C08B 15/08
	C08J 5/18	C08J 5/18
	D21C 9/00	D21C 9/00
	(11) EP3041758	(11) EP3041758
	(21) EP14842144.9	(21) EP14842144.9
	(22) 05.09.2014	(22) 05.09.2014
	(54) OXYGEN AND WATER VAPOUR BARRIER FILMS WITH LOW MOISTURE SENSITIVITY FABRICATED	(54) OXYGEN AND WATER VAPOUR BARRIER FILMS WITH LOW MOISTURE SENSITIVITY FABRICATED

15.07.2016	(47) 26.01.2022	B01D 53/14
(33) Italy	(51) C01B 3/38	B01D 53/62
Netherlands	C01B 3/50	B01D 53/78
(47) 05.01.2022	B01J 19/24	C07C 273/04
(51) B66C 1/36	B01J 8/06	C07C 273/10
(11) EP3752444	B01J 8/00	(11) EP3720815
(21) EP19703370.7	B01J 8/02	(21) EP18812145.3
(22) 13.02.2019	(11) EP3795537	(22) 30.11.2018
(54) LOAD-BEARING DEVICE FOR A LIFTING APPARATUS	(21) EP20196875.7	(54) METHOD FOR PROVIDING CO ₂ FOR SYNTHESIZING UREA FROM FLUE GAS AND SYNGAS
(73) Lace	(22) 18.09.2020	(73) thyssenkrupp AG
(72) AUTISSIER, Christophe	(54) CATALYTIC FIXED-BED REACTOR INCLUDING AN ELECTRIC HEATING ELEMENT, UNIT FOR PRODUCING HYDROGEN BY STEAM REFORMING COMPRISING SUCH A REACTOR AND AN ELECTRIC STEAM GENERATOR, ASSOCIATED OPERATING METHOD	thyssenkrupp Industrial Solutions AG
SCHMIDT, Yoann	(73) Commissariat à l'Energie Atomique et aux Energies Alternatives	(72) MAKHYNYA, Yevgeny
MEYNIEL, Guillaume	(72) BAURENS, Pierre	EL-HAWARY, Tarek
(74) ir. F.A. Geurts c.s.	(74) ir. W.J.J.M. Kempes	(74) dr. R.C. van Duijvenbode c.s.
(31) 1851213	(31) 1910310	(31) 102017222030
(32) 14.02.2018	(32) 19.09.2019	(32) 06.12.2017
(33) France	(33) France	(33) Germany
(47) 29.12.2021	(47) 12.01.2022	(47) 05.01.2022
(51) B66D 1/28	(51) C01B 3/50	(51) C02F 1/24
B66D 1/74	F25J 3/02	C02F 103/00
(11) EP3109197	(11) EP3504156	B03D 1/14
(21) EP16173914.9	(21) EP17761987.1	E02B 15/04
(22) 10.06.2016	(22) 23.08.2017	E02B 15/06
(54) WINCH KIT AND METHOD FOR EQUIPPING A STRUCTURE WITH A WINCH	(54) PROCESS AND APPARATUS FOR PRODUCING CARBON MONOXIDE	E02B 15/10
(73) Harken Italy S.p.A.	(73) Praxair Technology, Inc.	(11) EP3647272
(72) CAZZARO, Michele	(72) KALP, Bryan, S.	(21) EP18204398.4
(74) ir. J.C. Volmer c.s.	FENNER, Gary, W.	(22) 05.11.2018
(31) UB20151613	PARVATHIKAR, Sameer	(54) FLOTATION INSTALLATION FOR PURIFICATION OF A BODY OF WATER
(32) 23.06.2015	SHAH, Minish, M.	(73) Damann, Volker
(33) Italy	(74) ir. W.J.J.M. Kempes	Damann, Roland
(47) 23.02.2022	(31) 201615247233	(72) DAMANN, Roland
(51) B66F 7/28	(32) 25.08.2016	(74) J.M.H. Duyver lic.
B66F 17/00	(33) United States of America	(47) 05.01.2022
(11) EP3674250	(47) 16.02.2022	(51) C03C 25/24
(21) EP19214903.7	(51) C01B 39/02	C13K 1/00
(22) 10.12.2019	C01B 39/06	C08J 5/08
(54) DEVICE FOR CLOSING OR BRIDGING A FLOOR OPENING	B01J 29/70	C09J 103/00
(73) BlitzRotary GmbH	B01J 35/02	C09J 103/02
(72) Angst, Bernhard	C07D 313/04	C03C 25/32
(74) mr. ir. J. van Breda c.s.	(11) EP3066051	C09D 4/00
(31) 102018132905	(21) EP14795813.6	C08J 5/04
(32) 19.12.2018	(22) 05.11.2014	C08J 5/24
(33) Germany	(54) A TIN-CONTAINING ZEOLITIC MATERIAL HAVING A BEA FRAMEWORK STRUCTURE	C09D 103/02
(47) 26.01.2022	(73) BASF SE	C09D 179/02
(51) C01B 3/00	(72) TELES, Joaquim Henrique	C13B 20/14
(11) EP3541742	VAUTRAVERS, Nicolas	C13K 1/06
(21) EP17797545.5	PARVULESCU, Andrei-Nicolae	D04H 1/4209
(22) 24.10.2017	HAMMOND, Ceri	D04H 1/587
(54) METHOD FOR STORING HYDROGEN GAS, HYDROGENATION REACTOR, AND TRANSPORT CONTAINER	MÜLLER, Ulrich	D04H 1/64
(73) HYDROGENIOUS LOHC TECHNOLOGIES GMBH	UHL, Georg	(11) EP3388401
(72) RANDIG, Cornelius	HERMANS, Ive	(21) EP18171285.2
KUSCHE, Matthias	WOLF, Patrick	(22) 19.03.2010
TEICHMANN, Daniel	(74) ir. W.J.J.M. Kempes	(54) METHOD USING AQUEOUS BINDER COMPOSITION FOR MINERAL FIBRES
PAETZ, Caspar	(31) 13191692	(73) Rockwool International A/S
WESTERATH, Federico	(32) 05.11.2013	(72) HANSEN, Erling Lennart
MELCHER, Berthold	(33) European Patent Office (EPO)	(74) ir. W.J.J.M. Kempes
(74) ir. J.C. Volmer c.s.	(47) 05.01.2022	(31) 226123 P
(31) 102016222597	(51) C01C 1/04	09155654
(32) 16.11.2016		(32) 16.07.2009
(33) Germany		19.03.2009
		(33) United States of America
		European Patent Office (EPO)
		(47) 09.02.2022
		(51) C07C 1/04

C07C 9/02	(72) ETCHEBARNE, Alain	(51) C07D 231/12
C10G 2/00	VIBERT, Martine	C07D 403/04
B01J 29/72	(74) ir. W.J.J.M. Kempes	C07C 251/76
B01J 29/85	(31) 1751021	(11) EP3601230
(11) EP3577096	(32) 08.02.2017	(21) EP18714249.2
(21) EP18705792.2	(33) France	(22) 29.03.2018
(22) 02.02.2018	(47) 23.02.2022	(54) SYNTHESIS OF MCL-1 INHIBITOR
(54) PROCESSES FOR IMPROVING THE	(51) C07C 231/12	(73) Astrazeneca AB
ACTIVITY OF HYBRID CATALYSTS	C07C 235/80	(72) YE, Qing
FOR FISCHER-TROPSCH REACTIONS	C07C 67/307	STARK, Andrew
(73) DOW GLOBAL TECHNOLOGIES LLC	C07C 69/63	HAZRA, Debasis
(72) GROENENDIJK, Peter E.	(11) EP3762359	HARDY, Simon
MALEK, Andrzej	(21) EP19707849.6	FERRAR, Cati
NIESKENS, Davy L.S.	(22) 07.03.2019	HIRD, Alexander
SANDIKCI, Aysegul, Ciftci	(54) METHOD FOR PREPARATION OF 2-	STEWART, Craig
(74) ir. J.D. de Zeeuw	CHLOROACETOACETIC ACID AMIDE	ZHENG, Xiaolan
(31) 201762454954 P	AND ESTER	KOEK, Jan
(32) 06.02.2017	(73) Arxada AG	(74) ir. W.J.J.M. Kempes
(33) United States of America	(72) ARNOLD, Claudio	(31) 201762479493 P
(47) 05.01.2022	KESSLER, Simon	(32) 31.03.2017
(51) C07C 6/12	STUDER, Philipp	(33) United States of America
C07C 2/86	(74) dr. R.C. van Duijvenbode c.s.	(47) 26.01.2022
C07C 15/08	(31) 201862640709 P	(51) C07D 233/64
C07C 15/02	18168965	A61K 31/4164
(11) EP2834209	18161027	A61K 31/4196
(21) EP13772120.5	(32) 09.03.2018	C07D 249/08
(22) 14.03.2013	24.04.2018	A61P 17/00
(54) PROCESS FOR PRODUCTION	09.03.2018	A61P 29/00
OF XYLENES THROUGH	(33) United States of America	(11) EP3455212
INTEGRATION OF METHYLATION AND	European Patent Office (EPO)	(21) EP17725905.8
TRANSALKYLATION	European Patent Office (EPO)	(22) 11.05.2017
(73) Sulzer Management AG	(47) 23.02.2022	(54) INHIBITORS OF PROTEASE-
(72) DING, Zhongyi	(51) C07D 215/06	ACTIVATED RECEPTOR-2
GENTRY, Joseph, C.	A61P 1/00	(73) Heptares Therapeutics Limited
CRETOIU, Mircea	A61P 1/02	(72) BROWN, Dean, Gordon
JIN, Weihua	A61P 11/04	CHEN, Hongming
(74) ir. W.J.J.M. Kempes	A61P 13/12	EDMAN, Karl, Henrik
(31) 201261620830 P	A61P 15/00	TEHAN, Benjamin, Gerald
(32) 05.04.2012	A61P 17/00	BROWN, Giles, Albert
(33) United States of America	A61P 17/02	JOHNSTONE, Shawn, Donald
(47) 09.03.2022	A61P 17/06	BURLI, Roland, Werner
(51) C07C 7/04	A61P 17/10	TEOBALD, Barry, John
C07C 11/167	A61P 17/14	CUMMING, John, Graham
B01D 3/14	A61P 19/08	WU, Frank, Xinhe
(11) EP3365315	A61P 25/00	CONGREVE, Miles, Stuart
(21) EP16790438.2	A61P 25/28	(74) dr. A. Krebs
(22) 17.10.2016	A61P 27/10	(31) 201662335496 P
(54) PROCESS AND SYSTEM FOR	A61P 35/00	(32) 12.05.2016
PURIFICATION OF 1,3-BUTADIENE	A61P 35/02	(33) United States of America
(73) SABIC Global Technologies B.V.	A61P 39/06	(47) 09.02.2022
(72) SCHLEGER, Michael	A61P 43/00	(51) C07D 241/20
IGNAT, Radu Mihai	A61P 11/00	C07D 241/28
(74) mr. drs. L. van Wezenbeek	(11) EP3204357	C07D 403/04
(31) 201562245333 P	(21) EP15798539.1	C07D 403/08
(32) 23.10.2015	(22) 09.10.2015	C07D 403/14
(33) United States of America	(54) FLUORESCENT SYNTHETIC	C07D 405/12
(47) 09.03.2022	RETINOLIDS	C07D 413/14
(51) C07C 45/78	(73) High Force Research Limited	C07D 413/04
C07C 47/58	(72) WHITING, Andrew	C07D 417/04
A23L 27/10	MARDER, Todd	A61P 35/00
A23L 27/24	(74) dr. A. Krebs	A61K 31/497
C12P 7/24	(31) 201419496	(11) EP3762368
(11) EP3580195	201417957	(21) EP19768926.8
(21) EP18702741.2	(32) 31.10.2014	(22) 07.03.2019
(22) 08.02.2018	10.10.2014	(54) AMINOPYRAZINE DIOL COMPOUNDS
(54) METHOD FOR THE PURIFICATION OF	(33) United Kingdom	AS PI3K-Y INHIBITORS
NATURAL VANILLIN	United Kingdom	(73) Incyte Corporation
(73) Rhodia Operations	(47) 19.01.2022	(72) FALAHATPISHEH, Nikoo

SHAO, Lixin SHEPARD, Stacey COMBS, Andrew P. (74) dr. R.C. van Duijvenbode c.s. (31) 201862745873 P 201862702230 P 201862640276 P (32) 15.10.2018 23.07.2018 08.03.2018 (33) United States of America United States of America United States of America (47) 26.01.2022 (51) C07D 309/28 C07D 407/14 A61P 31/16 A61K 31/351 C07K 5/08 C07K 5/10 A61K 39/42 A61K 45/06 C07K 7/06 A61K 47/54 (11) EP3377487 (21) EP16865298.0 (22) 16.11.2016 (54) COMPOUNDS FOR MEDICINAL APPLICATIONS (73) AusVir Therapeutics Pty Ltd (72) JENKINS, Peter James JIN, Betty SEAH, Ee-Ling WU, Wen Yang JONES, Paul Arthur WINDLE, Henry Kenneth (74) J.M.H. Duyver lic. (31) 2015904895 (32) 20.11.2015 (33) Australia (47) 12.01.2022 (51) C07D 317/30 C07C 69/616 C07C 69/73 C07C 69/734 C07D 339/06 C07C 317/44 C07C 317/46 C07C 323/62 C07C 229/42 C07C 229/44 C07C 57/50 C07C 59/54 C07C 59/72 C07C 59/86 A61K 31/357 A61K 31/385 A61K 31/216 (11) EP3044216 (21) EP14761747.6 (22) 20.08.2014 (54) NOVEL AND SPECIFIC INHIBITORS OF CYTOCHROME P450 26 RETINOIC ACID HYDROXYLASE (73) Guilloteau, Nicolas University of Washington through its Center for Commercialization University of Montana	(72) DIAZ, Philippe BUTTRICK, Brian GUILLOTEAU, Nicolas ISOHERRANEN, Nina (74) dr. A. Krebs (31) 201361867892 P (32) 20.08.2013 (33) United States of America (47) 23.02.2022 (51) C07D 327/04 C11B 9/00 (11) EP3743415 (21) EP19700955.8 (22) 23.01.2019 (54) NEW SPIROOXATHIOLANONE COMPOUNDS, PROCESS FOR PREPARATION THEREOF, AND USE THEREOF IN THE PERFUMERY AND AROMATICS INDUSTRY (73) V. Mane Fils (72) MURATORE, Agnès GRASSET, Fabien (74) J.M.H. Duyver lic. (31) 1850613 (32) 25.01.2018 (33) France (47) 16.02.2022 (51) C07D 401/04 A61K 31/4427 A61P 1/16 A61P 13/12 C07D 405/14 C07D 491/107 (11) EP3564230 (21) EP17886109.2 (22) 27.12.2017 (54) SUBSTITUTED GUANIDINE COMPOUND (73) UBE Industries, Ltd. (72) YAMADA Haruka KIMURA Tomio ITO Koji SHIRAISHI Yusuke ITO Masaaki KAWADA Hiroyoshi KOMORI Ken-ichi SHINOHARA Masaru TOKUNAGA Yasunori NINOMIYA Akishi KAWAGUCHI Tetsuo KOJIMA Masahiro USHIYAMA Shigeru (74) dr. W.A.H.M. Van Borm (31) 2016255567 (32) 28.12.2016 (33) Japan (47) 09.02.2022 (51) C07D 401/12 C07D 401/14 (11) EP3891138 (21) EP21707628.0 (22) 12.02.2021 (54) FIBROBLAST ACTIVATION PROTEIN LIGANDS FOR TARGETED DELIVERY APPLICATIONS (73) Philochem AG (72) SAMAIN, Florent MILLUL, Jacopo	DAKHEL PLAZA, Sheila CAZZAMALLI, Samuele SCHMIDT, Eleonore BIANCOFIORE, Ilaria DONCKELE, Etienne J. (74) dr. A. Krebs (31) 20202856 20172953 20157036 (32) 20.10.2020 05.05.2020 12.02.2020 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO) (47) 12.01.2022 (51) C07D 401/14 C07D 401/04 C07D 231/12 C07D 305/08 C07D 307/22 A61K 31/4439 A61K 31/444 A61P 3/00 A61P 9/00 A61P 35/00 (11) EP3448851 (21) EP17733180.8 (22) 28.04.2017 (54) DI-SUBSTITUTED PYRAZOLE COMPOUNDS FOR THE TREATMENT OF DISEASES (73) FGH BioTech, Inc. (72) KINCAID, John UESUGI, Motonari HUFF, Joel (74) dr. A. Krebs (31) 201662330049 P (32) 29.04.2016 (33) United States of America (47) 23.03.2022 (51) C07D 401/14 C07D 405/14 C07D 413/14 C07D 401/04 C07D 417/14 A61P 25/28 A61P 29/00 A61P 11/06 A61K 31/5377 A61K 31/4709 (11) EP3713928 (21) EP18818992.2 (22) 23.11.2018 (54) NOVEL BRADYKININ B2 RECEPTOR ANTAGONISTS (73) Pharvaris Netherlands B.V. (72) GIBSON, Christoph AMBROSI, Horst-Dieter HAUSTEDT, Lars Ole SAUPE, Joern (74) ir. W.J.J.M. Kempes (31) 17203675 (32) 24.11.2017 (33) European Patent Office (EPO) (47) 12.01.2022 (51) C07D 403/04 A61P 35/00
--	---	--

- A61K 31/513
(11) EP3759096
(21) EP19709335.4
(22) 22.02.2019
(54) CD73 INHIBITORS
(73) Eli Lilly and Company
(72) GARCIA PAREDES, Maria Cristina
HOWELL, Jennifer Marie
ZHAO, Genshi
HEINZ, Lawrence Joseph II
DALLY, Robert Dean
WANG, Yan
NJORGE, Frank George
(74) ir. J.C. Volmer c.s.
(31) 201862775553 P
201862636978 P
(32) 05.12.2018
01.03.2018
(33) United States of America
United States of America
(47) 16.02.2022
(51) C07D 471/04
C07D 487/04
A61P 27/02
A61K 31/445
A61K 31/451
(11) EP3137168
(21) EP15785329.2
(22) 29.04.2015
(54) SUBSTITUTED 4-PHENYLPIPERIDINES, THEIR PREPARATION AND USE
(73) The Trustees of Columbia University in the City of New York
(72) FREEMAN, Emily
CIOFFI, Christopher
CHEN, Ping
ZHU, Lei
CONLON, Michael
JOHNSON, Graham
ALLIKMETS, Rando
PETRUKHIN, Konstantin
(74) dr. ir. G.J.C. Verdijck c.s.
(31) 201461986578 P
(32) 30.04.2014
(33) United States of America
(47) 05.01.2022
(51) C07D 471/10
(11) EP3538530
(21) EP17838138.0
(22) 09.11.2017
(54) RESOLUTION OF OPTICALLY ACTIVE DIAZASPIRO[4.5]DECANE DERIVATIVES
(73) Altavant Sciences GmbH
(72) GOLDBERG, Daniel, R.
DE LOMBAERT, Stephane
(74) mr. ir. J. van Breda c.s.
(31) 201662419557 P
(32) 09.11.2016
(33) United States of America
(47) 05.01.2022
(51) C07K 5/02
(11) EP3713952
(21) EP18827226.4
(22) 22.11.2018
(54) METHOD FOR THE SYNTHESIS OF GLUTATHIONE DERIVATIVES
(73) Redox-co S.r.l.
(72) PIERSANTI, Giovanni
BARTOCCINI, Francesca
FRATERNALE, Alessandra
(74) ir. A.R. Aalbers
(31) 201700133856
(32) 22.11.2017
(33) Italy
(47) 05.01.2022
(51) C07K 14/47
C12N 9/64
(11) EP3456734
(21) EP18202465.3
(22) 04.10.2013
(54) SERINE PROTEASE MOLECULES AND THERAPIES
(73) Research Development Foundation
(72) CHEUNG, Lawrence H.
MOHAMEDALI, Khalid Amanali
ROSENBLUM, Michael G.
(74) ir. H.A. Witmans c.s.
(31) 201361762216 P
201361762173 P
201261709763 P
(32) 07.02.2013
07.02.2013
04.10.2012
(33) United States of America
United States of America
United States of America
(47) 05.01.2022
(51) C07K 14/685
(11) EP3581583
(21) EP19169776.2
(22) 28.04.2016
(54) PHARMACEUTICAL COMPOUND
(73) VALLAURIX PTE. LTD.
(72) WOLGEN, Philippe
CALLENS, Roland
(31) 15165536
(32) 28.04.2015
(33) European Patent Office (EPO)
(47) 23.02.2022
(51) C07K 16/28
(11) EP3280734
(21) EP16716795.6
(22) 07.04.2016
(54) ANTI-FLT-1 ANTIBODIES FOR TREATING DUCHENNE MUSCULAR DYSTROPHY
(73) Takeda Pharmaceutical Company Limited
(72) DE JONGE, Natalie
GABRIELS, Sofie
DE HAARD, Hans
KEEFE, Dennis
(74) dr. R.C. van Duijvenbode c.s.
(31) 201662307645 P
201562144251 P
(32) 14.03.2016
07.04.2015
(33) United States of America
United States of America
(47) 26.01.2022
(51) C07K 16/28
(11) EP3502138
(21) EP19154482.4
(22) 14.11.2011
(54) SILENT FC VARIANTS OF ANTI-CD40 ANTIBODIES
(73) Novartis AG
(72) Vincent, Karen
Heusser, Christoph
Rush, James
(74) dr. R.C. van Duijvenbode c.s.
(31) 41356710 P
(32) 15.11.2010
(33) United States of America
(47) 19.01.2022
(51) C07K 16/28
C07K 16/40
A61K 39/395
A61P 35/00
G01N 33/53
G01N 33/574
A61K 39/00
(11) EP3383916
(21) EP18733153.3
(22) 23.01.2018
(54) ANTI-CD73 ANTIBODIES AND USES THEREOF
(73) I-Mab Biopharma US Limited
(72) ZANG, Jingwu
FANG, Lei
GUO, Bingshi
WANG, Zhengyi
(74) dr. R.C. van Duijvenbode c.s.
(31) PCT/CN2017/072445
(32) 24.01.2017
(33) World Intellectual Property Office (WIPO)
(47) 23.02.2022
(51) C08F 297/02
C09D 5/02
G03F 7/00
C09D 153/00
G02B 5/22
C08L 53/00
G03F 7/033
C09D 7/40
(11) EP3710505
(21) EP18800958.3
(22) 15.11.2018
(54) BLOCK CO-POLYMER
(73) BYK-Chemie GmbH
(72) YONEHARA, Hiroshi
FRANK, Albert
OKKEL, Andreas
(74) ir. W.J.J.M. Kempes
(31) 17201792
(32) 15.11.2017
(33) European Patent Office (EPO)
(47) 05.01.2022
(51) C08G 12/26
C08G 12/42
C09D 161/32
C09D 133/14
(11) EP3397667
(21) EP16825772.3
(22) 23.12.2016
(54) FORMALDEHYDE FREE CROSSLINKING COMPOSITIONS
(73) Allnex Netherlands B.V.
(72) TREASURER, Urvee Y.
FLOOD, Lawrence
QUINN, Sarah
WILDE, Zachary

GUPTA, Ram	(32) 24.12.2014	(74) ir. H.Th. van den Heuvel c.s.
BROGAN, Colin	(33) France	(47) 29.12.2021
(74) ir. H.A. Witmans c.s.	(47) 26.01.2022	(51) C08L 23/08
(31) 201514984155	(51) C08K 5/17	C08L 23/14
(32) 30.12.2015	C08K 5/20	C08L 23/12
(33) United States of America	C08K 5/353	B32B 27/32
(47) 02.03.2022	C08K 5/524	B32B 7/04
(51) C08H 7/00	C08L 51/04	B32B 27/08
C07G 1/00	(11) EP3368606	B32B 27/18
C04B 24/24	(21) EP16860486.6	B32B 27/20
C04B 11/00	(22) 05.10.2016	B32B 27/22
B01F 17/00	(54) ALTERNATIVE METHODS TO	B32B 27/24
C09C 3/10	CONTROL CROSSLINKING IN HIGH	(11) EP3436521
(11) EP3380544	IMPACT POLYSTYRENE	(21) EP17709516.3
(21) EP16861678.7	(73) Fina Technology, Inc.	(22) 17.02.2017
(22) 07.11.2016	(72) TRIMINO, Giovanni	(54) LOW CRYSTALLINE POLYMER
(54) ALKALI-O2 OXIDIZED LIGNIN AS	DEANDA, Carlos	COMPOSITIONS PREPARED IN A
DISPERSANT	KNOEPEL, David W.	DUAL REACTOR
(73) Teknologian Tutkimuskeskus VTT OY	(74) ir. W.J.J.M. Kempes	(73) ExxonMobil Chemical Patents Inc.
(72) LIITIÄ, Tiina	(31) 201514927528	(72) VAN HOYWEGHEN, Danny
VEHMAS, Tapio	(32) 30.10.2015	VAN LOON, Achiël, J.m.
KALLIOLA, Anna	(33) United States of America	MITCHELL, Cynthia, A.
TAMMINEN, Tarja	(47) 19.01.2022	DHARMARAJAN, Narayanaswami
(74) J.M.H. Duyver lic.	(51) C08L 7/00	DATTA, Sudhin
(31) 20155815	C08K 3/36	(74) J.M.H. Duyver lic.
(32) 06.11.2015	C08K 5/372	(31) 201662315929 P
(33) Finland	C08K 5/54	16170985
(47) 05.01.2022	C08K 5/548	(32) 31.03.2016
(51) C08H 7/00	C08L 9/00	24.05.2016
C07G 1/00	B60C 1/00	(33) United States of America
C08G 18/64	C08K 5/5419	European Patent Office (EPO)
C08L 97/00	C08L 9/06	(47) 16.02.2022
C08J 9/14	(11) EP3717560	(51) C08L 25/12
C08G 101/00	(21) EP18752757.7	C08L 53/02
(11) EP3077447	(22) 09.08.2018	B01D 35/30
(21) EP14868265.1	(54) SULFUR-CROSSLINKABLE RUBBER	B43K 7/00
(22) 03.12.2014	MIXTURE, VULCANIZATE OF THE	D06F 39/14
(54) A COMPOSITION IN THE FORM OF A	RUBBER MIXTURE, AND VEHICLE	(11) EP3781627
LIGNIN POLYOL, A METHOD FOR THE	TYRE	(21) EP19717877.5
PRODUCTION THEREOF AND USE	(73) Evonik Operations GmbH	(22) 12.04.2019
THEREOF	(72) MÜLLER, Norbert	(54) ULTRA-HIGH FLOW STYRENE
(73) Stora Enso Oyj	SCHÖFFEL, Julia	ACRYLONITRILE COPOLYMER
(72) GRÜNBAUER, Dr. Henri J.M.	SCHAX, Fabian	COMPOSITIONS
ARESKOGH, Dimitri	HOJDIS, Nils Walter	(73) INEOS Styrolution Group GmbH
(74) J.M.H. Duyver lic.	WEBER, Christine	(72) MODI, Mukesh
(31) 1450776	TARANTOLA, Gesa	MADHAV, Shridhar
201361912119 P	RECKER, Carla	NIESSNER, Norbert
(32) 19.06.2014	DAUER, David-Raphael	MICHELS, Gisbert
05.12.2013	(74) ir. W.J.J.M. Kempes	COCHRAN, Thomas W.
(33) Sweden	(31) 102017221233	GEVARIA, Kirit
United States of America	(32) 28.11.2017	(74) dr. R.C. van Duijvenbode c.s.
(47) 23.02.2022	(33) Germany	(31) 18167438
(51) C08J 3/22	(47) 19.01.2022	(32) 16.04.2018
C08L 33/10	(51) C08L 23/08	(33) European Patent Office (EPO)
C08L 51/04	(11) EP3486282	(47) 23.02.2022
C08L 63/00	(21) EP17202215.4	(51) C08L 69/00
(11) EP3237500	(22) 17.11.2017	G02B 1/04
(21) EP15817865.7	(54) CONSTITUENT FOR PRODUCING	G02C 7/00
(22) 23.12.2015	SHOCK-ABSORBING COMPOSITE	(11) EP3467030
(54) COMPOSITION COMPRISING A	MATERIAL, SHOCK-ABSORBING	(21) EP17802453.5
MULTISTAGE POLYMER, IT METHOD	COMPOSITE MATERIAL, AND	(22) 07.04.2017
OF PREPARATION AND ITS USE	PRODUCTION METHOD THEREOF	(54) OPTICAL USE POLYCARBONATE
(73) Arkema France	(73) National Chung Shan Institute of Science	RESIN COMPOSITION, METHOD
(72) INOUBLI, Raber	and Technology	FOR PRODUCING SAME, AND
HAJJI, Philippe	(72) Wu, Shyh-Chi	SPECTACLE LENS AND CAMERA
PIRRI, Rosangela	Liu, Yung-Hsien	LENS CONTAINING SAME
(74) dr. R.C. van Duijvenbode c.s.	Lai, Teh-Long	(73) Mitsubishi Gas Chemical Company, Inc.
(31) 1463306	Chun, Chin-Wei	(72) OGAWA, Noriyoshi

(74) mr. drs. L. van Wezenbeek	B32B 27/32	(11) EP3752581
(31) 2016105856	B32B 5/02	(21) EP19705400.0
(32) 27.05.2016	B32B 5/26	(22) 14.02.2019
(33) Japan	B32B 7/12	(54) A METHOD FOR CARRYING OUT
(47) 23.02.2022	B32B 27/12	PYROLYSIS OF PRIME MATERIALS,
(51) C08L 83/14	C08L 23/06	SUCH AS TIRES OR BITUMEN AND
C08K 5/548	(11) EP3159388	A PLANT FOR CARRYING OUT
(11) EP3717569	(21) EP16194950.8	PYROLYSIS OPERATING ACCORDING
(21) EP18803975.4	(22) 21.10.2016	TO THE SAID METHOD
(22) 16.11.2018	(54) HOT-MELT ADHESIVE COMPOSITION	(73) Peri, Paolo
(54) SILANE MIXTURES AND PROCESS	FOR ELASTIC ATTACHMENTS	Università degli studi di Bergamo
FOR PREPARING SAME	(73) BOSTIK SA	(72) RUSSO, Davide
(73) Evonik Operations GmbH	(72) HUSSEIN, Naji	PERI, Paolo
(72) HASSE, Andre	BEAUCHET, Séverine	DELL' INNOCENTI, Riccardo
FORSTER, Frank	(74) dr. R.C. van Duijvenbode c.s.	SPREAFICO, Christian
RÖBEN, Caren	(31) 15306702	(74) ir. W.J.J.M. Kempes
KÖPFER, Alexander	(32) 23.10.2015	(31) 18157114
(74) ir. W.J.J.M. Kempes	(33) European Patent Office (EPO)	(32) 16.02.2018
(31) 102017221269	(47) 19.01.2022	(33) European Patent Office (EPO)
(32) 28.11.2017	(51) C09K 5/14	(47) 05.01.2022
(33) Germany	F28D 20/00	(51) C10G 75/02
(47) 12.01.2022	(11) EP3642296	C10G 75/04
(51) C09B 11/20	(21) EP18753066.2	(11) EP3416935
A61K 49/00	(22) 23.07.2018	(21) EP16890422.5
C07C 309/49	(54) ASSEMBLY FOR STORING HEAT	(22) 26.02.2016
G01N 33/68	(73) Siemens Gamesa Renewable Energy	(54) COMPOSITION FOR DISPERSING
C07C 309/46	GmbH & Co. KG	SCALES AND SOLID DEPOSITS AND
(11) EP3692101	(72) WAGNER, Jennifer Verena	ITS PREPARATION
(21) EP18780149.3	BETKO, Hans-Joachim	(73) Hindustan Petroleum Corporation Limited
(22) 08.10.2018	(74) dr. R.C. van Duijvenbode c.s.	(72) PEDDY, Venkata Chalapathi Rao
(54) BRILLIANT BLUE (BBG) DYE	(31) 102017212684	GANDHAM, Sriganesh
DERIVATIVES AND STAINING	(32) 24.07.2017	NETTEM, Venkateswarlu Choudary
COMPOSITIONS COMPRISING THE	(33) Germany	CHEERLADINNE, Venkateswarlu
SAME FOR SELECTIVELY STAINING	(47) 19.01.2022	RAJA, Kanuparth Naga
BIOLOGICAL SUBSTRATES	(51) C09K 11/02	(74) ir. W.J.J.M. Kempes
(73) Alfa Instruments S.r.l.	C09D 11/50	(31) 201621005575
(72) DAVID, Fabio	C09D 11/322	(32) 17.02.2016
(74) ir. A.R. Aalbers	C09D 11/101	(33) India
(31) PCT/EP2017/075562	H01L 27/146	(47) 29.12.2021
(32) 06.10.2017	H01L 31/0216	(51) C10M 159/12
(33) World Intellectual Property Office (WIPO)	C09K 11/70	C07F 5/04
(47) 12.01.2022	C09K 11/88	C10N 20/00
(51) C09J 5/00	G02F 1/13357	C10N 30/04
C09J 7/00	(11) EP3526167	C10N 30/00
C09J 163/00	(21) EP17860416.1	C10N 40/25
B29C 65/48	(22) 06.10.2017	C10N 20/02
(11) EP3283590	(54) DISPLAY DEVICES UTILIZING	(11) EP3630928
(21) EP16729759.7	QUANTUM DOTS	(21) EP18740105.4
(22) 12.04.2016	(73) Kateeva, Inc.	(22) 30.05.2018
(54) STRESS-OPTIMIZED ADHESIVE	(72) MADIGAN, Conor F.	(54) COMPOUND COMPRISING
CONNECTION AND METHOD FOR	ROGOJINA, Elena	POLYAMINE, ACIDIC AND BORON
PRODUCING A STRESS-OPTIMIZED	VAN SLYKE, Steven	FONCTIONALITIES AND ITS USE AS A
ADHESIVE CONNECTION	CHEN, Jianglong	LUBRICANT ADDITIVE
(73) ATN Hölzel GmbH	PSCHENITZKA, Florian	(73) Total Marketing Services
Leibniz-Institut für Polymerforschung	(74) dr. R.C. van Duijvenbode c.s.	(72) DOYEN, Valérie
Dresden e.V.	(31) 201662440216 P	ROGUES DE FURSAC, Isabelle
(72) KNAPP, André	201662413910 P	(74) ir. W.J.J.M. Kempes
LUCIA, Martin	201662407449 P	(31) 17305631
BRANDLER, Thomas	(32) 29.12.2016	(32) 31.05.2017
(74) dr. R.C. van Duijvenbode c.s.	27.10.2016	(33) European Patent Office (EPO)
(31) 102015105553	12.10.2016	(47) 16.03.2022
(32) 12.04.2015	(33) United States of America	(51) C12G 3/025
(33) Germany	United States of America	C12G 3/023
(47) 05.01.2022	United States of America	C12G 3/024
(51) C09J 123/12	(47) 23.02.2022	C12H 3/04
C08L 23/14	(51) C10B 53/06	A23L 2/84
C08L 23/08	C10B 19/00	(11) EP3531843
C08L 51/06	C10B 53/07	(21) EP17808181.6

(22) 25.10.2017	United States of America	SUIRE, Colby
(54) LOW SUGAR FOOD PRODUCTS WITH HIGH FIBER CONTENT	United States of America	(74) ir. W.J.J.M. Kempes
(73) Yissum Research Development Company of The Hebrew University of Jerusalem Ltd.	World Intellectual Property Office (WIPO)	(31) 2015901605
(72) SHAPIRA, Roni	(47) 05.01.2022	(32) 05.05.2015
(74) ir. M.B. Plaggenborg	(51) C12N 5/02	(33) Australia
(31) 201762490611 P	(11) EP3702443	(47) 12.01.2022
201662412855 P	(21) EP20156482.0	(51) C12N 9/12
(32) 27.04.2017	(22) 11.03.2014	A61K 39/00
26.10.2016	(54) COMPOSITIONS AND METHODS FOR	(11) EP3129476
(33) United States of America	EPITHELIAL STEM CELL EXPANSION	(21) EP15776097.6
United States of America	AND CULTURE	(22) 07.04.2015
(47) 29.12.2021	(73) The Brigham and Women's Hospital, Inc.	(54) ANTI-NME ANTIBODY
(51) C12N 5/00	Massachusetts Institute of Technology	(73) Minerva Biotechnologies Corporation
C12N 5/02	(72) KARP, Jeffrey, Michael	(72) SMAGGHE, Benoît
C12N 5/0735	LANGER, Robert, Samuel	BAMDAD, Cynthia
C12N 5/074	SUCCI, Marc David	(74) dr. R.C. van Duijvenbode c.s.
(11) EP2768945	YIN, Xiaolei	(31) 201562127746 P
(21) EP12841648.4	(74) ir. W.J.J.M. Kempes	201562114526 P
(22) 17.10.2012	(31) 201361783245 P	201461976390 P
(54) MEDIA FOR STEM CELL PROLIFERATION AND INDUCTION	(32) 14.03.2013	PCT/US2014/061821
(73) Minerva Biotechnologies Corporation	(33) United States of America	PCT/US2014/050773
(72) SMAGGHE, Benoît	(47) 19.01.2022	(32) 03.03.2015
BAMDAD, Cynthia	(51) C12N 5/071	10.02.2015
(74) dr. R.C. van Duijvenbode c.s.	(11) EP3848454	07.04.2014
(31) 201261693712 P	(21) EP20216646.8	22.10.2014
201261684654 P	(22) 22.12.2020	12.08.2014
201261683155 P	(54) LIVE CELL CONSTRUCTS FOR	(33) United States of America
201261679021 P	PRODUCTION OF CULTURED MILK	United States of America
201261677442 P	PRODUCT AND METHODS USING THE	United States of America
201261675292 P	SAME	World Intellectual Property Office (WIPO)
201261675264 P	(73) Biomilk, Inc.	World Intellectual Property Office (WIPO)
201261673617 P	(72) Strickland, Leila	(47) 05.01.2022
201261671558 P	(74) dr. A. Krebs	(51) C12N 9/18
201261671588 P	(31) 202063199164 P	C12N 9/20
201261622422 P	202062958407 P	(11) EP3227442
201261618578 P	(32) 10.12.2020	(21) EP15804381.0
201161548199 P	08.01.2020	(22) 01.12.2015
PCT/US2012/036975	(33) United States of America	(54) LIPASE VARIANTS AND
(32) 27.08.2012	United States of America	POLYNUCLEOTIDES ENCODING
17.08.2012	(47) 09.02.2022	SAME
14.08.2012	(51) C12N 5/074	(73) Novozymes A/S
02.08.2012	C12N 5/0775	(72) BAUNSGAARD, Lone
30.07.2012	A61K 35/12	OESTERGAARD, Lars Henrik
24.07.2012	(11) EP3569697	SKJOLD-JOERGENSEN, Jakob
24.07.2012	(21) EP19169309.2	SVENDSEN, Allan
19.07.2012	(22) 05.06.2015	BHATIA, Vikram Kjoeller
13.07.2012	(54) STEM CELL THERAPY IN	VIND, Jesper
13.07.2012	ENDOMETRIAL PATHOLOGIES	(74) dr. R.C. van Duijvenbode c.s.
10.04.2012	(73) ASHERMAN THERAPY, S.L.	(31) 14196464
30.03.2012	(72) CERVELLO, Irene	(32) 05.12.2014
17.10.2011	SANTAMARIA, Javier	(33) European Patent Office (EPO)
08.05.2012	SIMON, Carlos	(47) 16.02.2022
(33) United States of America	PELLICER, Antonio	(51) C12N 9/88
United States of America	(74) dr. A. Ellens c.s.	C12N 15/864
United States of America	(31) 201462013121 P	A61K 48/00
United States of America	(32) 17.06.2014	(11) EP3486320
United States of America	(33) United States of America	(21) EP18198722.3
United States of America	(47) 05.01.2022	(22) 22.04.2011
United States of America	(51) C12N 5/0775	(54) RAAV-GUANYLATE CYCLASE
United States of America	A61K 35/28	COMPOSITIONS AND METHODS FOR
United States of America	G01N 33/50	TREATING LEBER'S CONGENITAL
United States of America	(11) EP3292199	AMAUIROSIS-1 (LCA1)
United States of America	(21) EP16725775.7	(73) University of Florida Research
United States of America	(22) 04.05.2016	Foundation, Inc.
United States of America	(54) POTENCY ASSAY	(72) BOYE, Sanford Leon
United States of America	(73) Mesoblast International Sàrl	HAUSWIRTH, William W.
United States of America	(72) SIMMONS, Paul	BOYE, Shannon Elizabeth
United States of America	SEE, Fiona	(74) ir. W.J.J.M. Kempes

(31) 32752110 P	296358 P	C23C 2/12
(32) 23.04.2010	(32) 26.10.2010	C23C 2/26
(33) United States of America	26.10.2010	C23C 2/28
(47) 19.01.2022	01.07.2010	C22C 21/10
(51) C12P 7/16	19.01.2010	(11) EP3329021
(11) EP3392340	(33) United States of America	(21) EP16745498.2
(21) EP18162505.4	United States of America	(22) 11.07.2016
(22) 04.06.2010	United States of America	(54) METHOD FOR THE MANUFACTURE
(54) MICROORGANISMS FOR THE	United States of America	OF A HARDENED PART WHICH DOES
PRODUCTION OF 1,4-BUTANEDIOL	(47) 05.01.2022	NOT HAVE LME ISSUES
AND RELATED METHODS	(51) C12Q 1/6886	(73) Arcelormittal
(73) Genomatica, Inc.	(11) EP3696283	(72) ALLELY, Christian
(72) Osterhout, Robin E.	(21) EP20161862.6	MACHADO AMORIM, Tiago
Van Dien, Stephen J.	(22) 07.03.2014	DUSSAUSOIS, David
Yim, Harry	(54) MOLECULAR MARKERS IN BLADDER	GRIGORIEVA, Raisa
Burgard, Anthony P.	CANCER	(74) dr. R.C. van Duijvenbode c.s.
Sun, Jun	(73) MDxHealth Research B.V.	(31) PCT/IB2015/001284
Burk, Mark J.	(72) Schalken, Jacobus A.	(32) 30.07.2015
Haselbeck, Robert	Smit, Franciscus Petrus	(33) World Intellectual Property Office (WIPO)
Pujol-Baxley, Catherine J.	Hessels, Daphne	(47) 23.02.2022
Niu, Wei	(74) dr. ir. G.J.C. Verdijck c.s.	(51) C22C 19/05
Trawick, John D.	(31) PCT/EP2013/054777	C03B 37/04
(74) mr. drs. L. van Wezenbeek	(32) 08.03.2013	C22C 30/00
(31) 18431109 P	(33) World Intellectual Property Office (WIPO)	C22F 1/10
(32) 04.06.2009	(47) 16.02.2022	C22F 1/00
(33) United States of America	(51) C21C 1/02	(11) EP3517642
(47) 05.01.2022	C21C 5/00	(21) EP17834411.5
(51) C12P 7/42	C21C 7/064	(22) 26.07.2017
C12N 9/20	C21C 5/36	(54) NICKEL-CHROMIUM-IRON-BASED
C12N 9/88	C21C 5/06	CASTING ALLOY
C12P 7/64	C21C 5/54	(73) Saint-Gobain SEVA
(11) EP3274463	(11) EP3670678	(72) XU Yaxin
(21) EP16711679.7	(21) EP19214878.1	SUN Fei
(22) 24.03.2016	(22) 10.12.2019	YAN Jingbo
(54) PRODUCTION OF FATTY ACID	(54) PROCESS FOR MANUFACTURING A	GU Yuefeng
ESTOLIDES	SLAG CONDITIONING AGENT FOR	(74) ir. W.J.J.M. Kempes
(73) Technische Universiteit Delft	STEEL DESULFURIZATION	(31) 2016147806
Stichting Wageningen Research	(73) S.A. LHOIST RECHERCHE ET	(32) 27.07.2016
(72) TODEA, Anamaria	DEVELOPPEMENT	(33) Japan
OTTEN, Ludwina Gerharda	(72) PERRIN, Éric	(47) 23.02.2022
BOERIU, Carmen Gabriela	CHUNLAMANI, Souliyann	(51) C23C 24/04
ARENDS, Isabella Wilhelmina Christina	(74) ir. W.J.J.M. Kempes	H02K 15/00
Everdina	(31) 18213132	(11) EP3772546
(74) dr. A. Krebs	(32) 17.12.2018	(21) EP19189951.7
(31) 201505178	(33) European Patent Office (EPO)	(22) 05.08.2019
201562138541 P	(47) 05.01.2022	(54) FABRICATION OF A STRUCTURE BY
(32) 26.03.2015	(51) C21C 1/10	MEANS OF A COLD GAS SPRAYING
26.03.2015	C22C 33/08	METHOD
(33) United Kingdom	C21C 7/00	(73) Siemens Aktiengesellschaft
United States of America	C22C 28/00	(72) Arndt, Axel
(47) 26.01.2022	C22C 37/04	Rauch, Hartmut
(51) C12Q 1/68	C22C 37/10	Jensen, Jens Dahl
C12P 19/34	(11) EP3732307	Brach, Karsten
(11) EP3492601	(21) EP18845379.9	Krüger, Ursus
(21) EP18201917.4	(22) 21.12.2018	Stier, Oliver
(22) 01.12.2010	(54) CAST IRON INOCULANT AND	Pyritz, Uwe
(54) NOVEL PROTOCOL FOR PREPARING	METHOD FOR PRODUCTION OF CAST	Schneck, Jakob
SEQUENCING LIBRARIES	IRON INOCULANT	(74) dr. R.C. van Duijvenbode c.s.
(73) Verinata Health, Inc.	(73) ELKEM ASA	(47) 26.01.2022
(72) CHINNAPPA, Manjula	(72) KNUSTAD, Oddvar	(51) C25B 3/07
HEILEK, Gabrielle	OTT, Emmanuelle	C25B 3/09
RAVA, Richard P.	(74) dr. R.C. van Duijvenbode c.s.	C25B 3/11
COMSTOCK, David A.	(31) 20172063	C25B 3/27
RHEES, Brian Kent	(32) 29.12.2017	C25B 9/15
(74) ir. W.J.J.M. Kempes	(33) Norway	C25B 9/17
(31) 45584910 P	(47) 19.01.2022	C25B 9/75
407017 P	(51) C21D 1/673	C25B 11/036
360837 P	B32B 15/01	C02F 1/467

(11) EP3469117	LIU, Duo	(74) J.M.H. Duyver lic.
(21) EP17730244.5	(74) ir. A. Blokland c.s.	(31) 201862661396 P
(22) 08.06.2017	(31) 102017111781	(32) 23.04.2018
(54) ELECTROLYTIC PRODUCTION OF ORGANIC CHLORAMINE SOLUTIONS	(32) 102016122062	(33) United States of America
(73) De Nora Holdings US, Inc.	(32) 30.05.2017	(47) 16.02.2022
(72) BOAL, Andrew Kiskadden	16.11.2016	(51) E03B 9/04
(74) dr. R.C. van Duijvenbode c.s.	(33) Germany	E03B 9/06
(31) 201762481820 P	Germany	(11) EP3763888
201662348100 P	(47) 29.12.2021	(21) EP20184773.8
(32) 05.04.2017	(51) E02B 7/28	(22) 08.07.2020
09.06.2016	E02B 9/08	(54) CLOSING CAP FOR A HYDRANT
(33) United States of America	F03B 7/00	(73) Hawle Armaturen AG
United States of America	F03B 13/26	(72) Arslan, Saim
(47) 26.01.2022	E02B 9/02	(74) ir. W.J.J.M. Kempes
(51) D03D 15/46	(11) EP3592970	(31) 8982019
(11) EP3180467	(21) EP18717134.3	(32) 10.07.2019
(21) EP15750905.0	(22) 07.03.2018	(33) Switzerland
(22) 11.08.2015	(54) AN ENERGY GENERATING SYSTEM AND A METHOD FOR GENERATING ENERGY FROM A SEA TIDE	(47) 23.02.2022
(54) HYBRID WOVEN TEXTILE FOR COMPOSITE REINFORCEMENT	(73) Prendergast, Patrick Joseph	(51) E04B 1/86
(73) Cytec Industries Inc.	(72) Prendergast, Patrick Joseph	(11) EP3754128
(72) HILL, Samuel Jestyn	(74) ir. H.Th. van den Heuvel c.s.	(21) EP19180993.8
BLACKBURN, Robert	(31) S20170142	(22) 18.06.2019
(74) ir. W.J.J.M. Kempes	S20170052	(54) ACOUSTIC PANEL WITH OFFSET GROOVES
(31) 201414363	(32) 12.07.2017	(73) SWISS KRONO Tec AG
(32) 13.08.2014	07.03.2017	(72) Braun, Roger
(33) United Kingdom	(33) Ireland	Wyss, Jonathan
(47) 19.01.2022	Ireland	(74) ir. J.C. Volmer c.s.
(51) D03D 15/56	(47) 29.12.2021	(47) 16.02.2022
A41D 1/06	(51) E02D 31/06	(51) E04B 9/12
(11) EP3121318	E02D 5/60	(11) EP3246482
(21) EP15177938.6	E02D 5/64	(21) EP16170633.8
(22) 22.07.2015	E02D 5/22	(22) 20.05.2016
(54) GARMENT AND PROCESS OF PREPARATION	E02B 17/00	(54) CROSS RUNNER CONNECTOR, MAIN RUNNER AND CROSS RUNNER CONNECTOR ARRANGEMENT FOR A SUSPENDED CEILING SYSTEM
(73) Sanko Tekstil Isletmeleri San. Ve Tic. A.S.	E04C 3/34	(73) Saint-Gobain Ecophon AB
(72) KONUKOGLU, Fatih	E04F 13/073	(72) Wilkens, Jan
AKGUNLU, Mehmet Fikret	E04H 12/22	Nilsson, Thomas
ÖZDEN, Erdogan Baris	E01D 22/00	(74) dr. ir. G.J.C. Verdijk c.s.
ZEYREK, Mustafa	B29C 63/06	(47) 02.02.2022
(74) dr. G. Visser-Luirink	B29L 31/10	(51) E04B 9/18
(47) 12.01.2022	(11) EP3411529	F16B 11/00
(51) D04B 1/18	(21) EP17747964.9	F16B 45/00
D04B 1/26	(22) 29.01.2017	(11) EP3266948
(11) EP3141644	(54) CONTINUITY CONNECTION SYSTEM FOR RESTORATIVE SHELL	(21) EP16177965.7
(21) EP16185616.6	(73) Warstone Innovations, LLC	(22) 05.07.2016
(22) 25.08.2016	(72) KRIEGSTEIN, Stewart	(54) DEVICE AND METHOD FOR SUSPENSION OF A SUSPENDED CEILING AND A SUSPENDED CEILING
(54) COMPRESSIVE KNITTED ITEM AND METHOD OF MAKING SAME	(74) dr. R.C. van Duijvenbode c.s.	(73) Saint-Gobain Ecophon AB
(73) medi GmbH & Co. KG	(31) 201662289718 P	(72) Nilsson, Thomas
(72) Herold-Herrmann, Alexandra	(32) 01.02.2016	Persson, Torbjörn
Knauer, Thomas	(33) United States of America	Wilkens, Jan
(74) ir. W.J.J.M. Kempes	(47) 29.12.2021	(74) dr. ir. G.J.C. Verdijk c.s.
(31) 102015115226	(51) E02F 3/96	(47) 05.01.2022
(32) 10.09.2015	B23D 35/00	(51) E04B 9/32
(33) Germany	E02F 9/28	E04B 9/04
(47) 23.02.2022	B23D 31/00	(11) EP3347539
(51) E01B 9/30	(11) EP3717707	(21) EP16775301.1
E01B 9/48	(21) EP19719128.1	(22) 12.09.2016
(11) EP3541993	(22) 10.04.2019	(54) SLAB FRAME DIFFUSING AN OUTER PERIPHERAL LIGHT AND SLAB COMPRISING SUCH A FRAME
(21) EP17805122.3	(54) INDEXABLE PIERCING TIP FOR DEMOLITION SHEARS	(73) Normalu
(22) 09.11.2017	(73) Stanley Black & Decker, Inc.	(72) CONSTANZER, Philippe
(54) ANCHOR CLAMP FOR FASTENING A RAIL TO A SUBSURFACE	(72) MECKLIN, Matthew George	
(73) Vossloh Fastening Systems GmbH	JOHNSON, Karl	
(72) BÖSTERLING, Winfried	SEDERBERG, Clayton	
	BUBACZ, Shane	
	BLETTNER, Robert Laine	

SCHERRER, Jean-Marc	(22) 03.06.2016	(74) dr. A. Krebs
(74) dr. W.A.H.M. Van Borm	(54) SECURITY DEVICE AND METHOD OF	(31) 201621017313 U
(31) 1558392	MAKING THE SAME	(32) 31.08.2016
(32) 10.09.2015	(73) Zeal Innovation Ltd.	(33) China
(33) France	(72) BARRON, Neil Anthony	(47) 09.02.2022
(47) 29.12.2021	(74) ir. H.A. Witmans c.s.	(51) F01N 3/04
(51) E04D 1/16	(31) 201509727	B01D 50/00
E04D 1/12	(32) 04.06.2015	B01D 45/00
(11) EP3366858	(33) United Kingdom	B01D 47/05
(21) EP18159024.1	(47) 29.12.2021	F01N 3/02
(22) 27.02.2018	(51) E05B 67/22	(11) EP3587757
(54) FLAT TILE FOR A BUILDING ROOF	E05B 67/06	(21) EP18757221.9
HAVING A REINFORCED SEAL	(11) EP3584394	(22) 09.02.2018
(73) Edilians	(21) EP19190222.0	(54) SYSTEM FOR CLEANING GASES AND
(72) PRUDHOMME, Vincent	(22) 24.08.2015	SEQUESTRATION OF PARTICULATE
DUBOST, Daniel	(54) HOOP LOCK WITH ANTI-ROTATION	MATTER FROM INTERNAL-
MARTINAT, Eric	FEATURES	COMBUSTION ENGINES, WITH
(74) dr. ir. G.J.C. Verdijk c.s.	(73) Schlage Lock Company LLC	CONVERSION OF WASTE INTO EXTRA
(31) 1751545	(72) KINDSTRAND, Daniel Hugh	ENERGY
(32) 27.02.2017	KUMAR, Hassan Charan	(73) Riberman Inovações Tecnológicas Ltda.
(33) France	RAMAKRISHNA, Manjunatha	ME
(47) 29.12.2021	MILLER, David Bruce	Burman Nicolau, Felipe
(51) E04D 13/04	(74) J.M.H. Duyver lic.	(72) LEAL RIBEIRO, Gilberto
(11) EP3505703	(31) 201462040929 P	(74) ir. W.J.J.M. Kempes
(21) EP19157327.8	(32) 22.08.2014	(31) 102017003577
(22) 12.06.2015	(33) United States of America	(32) 21.02.2017
(54) DRAIN ASSEMBLY	(47) 26.01.2022	(33) Brazil
(73) Geberit International AG	(51) E05D 3/16	(47) 29.12.2021
(72) HAUSHEER, Roman	E05F 1/12	(51) F02D 41/00
(74) ir. J.C. Volmer c.s.	E05F 3/04	B60W 20/00
(47) 26.01.2022	E05F 3/20	F02B 37/14
(51) E04F 10/08	(11) EP3494270	F02B 37/18
(11) EP3736390	(21) EP17719537.7	F02D 13/02
(21) EP19000220.4	(22) 19.04.2017	F02D 23/02
(22) 07.05.2019	(54) DAMPER DEVICE	B60K 6/485
(54) SLATTED ROOF WITH FRICTION	(73) USM U. Schärer Söhne AG	B60W 10/06
ELEMENT	(72) STÖCKLI, Kaspar	B60W 10/08
(73) weinor GmbH & Co. KG	DIENES, Thomas	B60W 20/10
(72) Stawski, Karl-Heinz	SCHÄRER, Alexander	B60W 30/188
(74) J.M.H. Duyver lic.	(74) ir. H.A. Witmans c.s.	F01N 5/04
(47) 23.02.2022	(31) 16182383	F02B 37/00
(51) E04G 21/04	(32) 02.08.2016	F02B 39/10
B60P 3/16	(33) European Patent Office (EPO)	F02B 37/10
B60L 50/61	(47) 16.02.2022	(11) EP3421762
(11) EP3591142	(51) E06B 5/16	(21) EP18175952.3
(21) EP19167686.5	E06B 3/263	(22) 05.06.2018
(22) 05.04.2019	(11) EP2990581	(54) SUPERCHARGED INTERNAL
(54) MOBILE OPERATING MACHINE AND	(21) EP15182151.9	COMBUSTION ENGINE
FUNCTIONING METHOD OF SAID	(22) 24.08.2015	(73) MAN Truck & Bus SE
MOBILE OPERATING MACHINE	(54) DOOR OR WINDOW WITH FIRE	(72) Weiß, Joachim
(73) CIFA SpA	PROTECTION PROPERTIES	(74) ir. A. Blokland c.s.
(72) Bacci, Maria Laura	(73) SCHÜCO International KG	(31) 102017114723
Tarsitano, Davide	(72) SIEKMANN, Carsten	(32) 30.06.2017
Calculli, Massimo	LUTZENBERGER, Tobias	(33) Germany
Zorzi, Emanuele	(74) ir. A. Ferguson	(47) 02.03.2022
(74) ir. J.C. Volmer c.s.	(31) 102014112107	(51) F03B 13/18
(31) 201800006838	(32) 25.08.2014	F03B 13/10
(32) 02.07.2018	(33) Germany	F03B 13/22
(33) Italy	(47) 26.01.2022	F03B 13/12
(47) 02.02.2022	(51) E06C 1/12	H02K 7/18
(51) E05B 67/00	(11) EP3508682	(11) EP3491235
A45C 13/20	(21) EP17844804.9	(21) EP17835368.6
A45C 13/30	(22) 19.01.2017	(22) 28.07.2017
D07B 1/22	(54) SHOCK-ABSORBING GUIDING	(54) WAVE ENERGY CONVERTER WITH A
D07B 1/16	STRUCTURE FOR EXTENSION TUBE	DEPTH ADJUSTABLE PARAVANE
(11) EP3303740	(73) Dongguan Prestige Sporting Products	(73) Bardex Corporation
(21) EP16727817.5	Co., Ltd.	(72) STAPELMANN, Frank Herbert
	(72) ZHANG, Zhao	(74) dr. R.C. van Duijvenbode c.s.

(31) 201662368040 P	F15B 11/17	(32) 04.12.2017
(32) 28.07.2016	F15B 20/00	(33) Germany
(33) United States of America	(11) EP3159549	(47) 02.03.2022
(47) 16.02.2022	(21) EP16188813.6	(51) F16K 25/00
(51) F03D 80/50	(22) 14.09.2016	F16K 1/22
(11) EP3746657	(54) DEVICE FOR RECOVERY OF	F16K 27/02
(21) EP19701647.0	HYDRAULIC ENERGY IN A WORK	(11) EP3722642
(22) 24.01.2019	DEVICE AND CORRESPONDING	(21) EP19168297.0
(54) NACELLE OF A WIND TURBINE, AS	WORK DEVICE	(22) 10.04.2019
WELL AS WIND TURBINE HAVING A	(73) Liebherr-France SAS	(54) BUTTERFLY VALVE
NACELLE AND METHOD FOR THE	(72) Helbling, Frank	(73) Georg Fischer Rohrleitungssysteme AG
MAINTENANCE OF A WIND TURBINE	Landmann, Thomas	(72) Bürgi, Stefan
OF THIS TYPE	(74) dr. R.C. van Duijvenbode c.s.	Jäckle, Timo
(73) Wobben Properties GmbH	(31) 102016003390	(74) ir. W.J.J.M. Kempes
(72) GUDEWER, Wilko	102015013768	(47) 23.02.2022
KREIKENBAUM, Joan	(32) 18.03.2016	(51) F16K 31/06
KNOOP, Frank	23.10.2015	G01F 25/00
(74) dr. R.C. van Duijvenbode c.s.	(33) Germany	(11) EP3273208
(31) 102018102428	Germany	(21) EP17178541.3
(32) 02.02.2018	(47) 26.01.2022	(22) 28.06.2017
(33) Germany	(51) F16C 35/063	(54) COAXIAL LINEAR DRIVE-END FOR
(47) 16.02.2022	F04B 9/04	SMALL VOLUME PROVER
(51) F04B 53/10	F04B 35/01	(73) Honeywell International Inc.
F04B 13/00	F04B 39/00	(72) VAN BEKKUM, Frank
F04B 53/06	F04B 39/14	NOORLANDER, Hans
F04B 43/02	(11) EP3492762	(74) ir. W.J.J.M. Kempes
(11) EP3670906	(21) EP18207914.5	(31) 201615212422
(21) EP19210957.7	(22) 22.11.2018	(32) 18.07.2016
(22) 22.11.2019	(54) METHOD OF MOUNTING A BEARING	(33) United States of America
(54) METERING PUMP WITH INTEGRATED	TO AN AIR COMPRESSOR, AND AIR	(47) 16.03.2022
OVERFLOW VALVE AND VALVE	COMPRESSOR HAVING A BEARING	(51) F16L 5/02
INSERT FOR A METERING PUMP	MOUNTED BY THE METHOD	F16L 25/00
(73) Lutz-Jesco GmbH	(73) UNIK World Industrial Co., Ltd.	H02G 3/06
(72) Militzer, Peter Bernard	(72) CHOU, Wen-San	(11) EP2927551
Roth, Steffen	(74) ir. J.H. de Hoog	(21) EP14162576.4
(74) dr. W.A.H.M. Van Borm	(31) 106141963	(22) 31.03.2014
(31) 202019104111 U	(32) 30.11.2017	(54) Connection sleeve and manifold cabinet
102018133214	(33) Taiwan, Province of China	(73) Uponor Innovation AB
(32) 25.07.2019	(47) 05.01.2022	(72) Hallen, Mats
20.12.2018	(51) F16G 13/16	Prem, Klaus
(33) Germany	(11) EP3253992	Valola, Jonne
Germany	(21) EP16702145.0	Ottoson, Ake
(47) 02.03.2022	(22) 01.02.2016	Persson, Hakan
(51) F04C 18/12	(54) CABLING DEVICE HAVING A MOTION	(74) ir. W.J.J.M. Kempes
F04C 27/00	SENSOR, AND DRIVE ARRANGEMENT	(47) 02.03.2022
F04C 29/00	AND REEL APPARATUS HAVING SUCH	(51) F16L 9/12
F04C 18/08	A CABLING DEVICE	F16L 11/127
F04C 18/16	(73) Igus GmbH	F16L 58/00
F04C 2/16	(72) HERMEY, Andreas	(11) EP3535511
F01C 21/02	HOWOLD, Philip	(21) EP17800428.9
(11) EP3337979	THEISS, Georg	(22) 01.11.2017
(21) EP16837711.7	JAEKER, Thilo-Alexander	(54) REDUCTION OF MICROBIOLOGICAL
(22) 16.08.2016	(74) dr. ir. G.J.C. Verdijck c.s.	GROWTH IN PIPES
(54) HYBRID PROFILE FOR	(31) 202015100484 U	(73) EPFF Electrical Pipe For Fluid transport
SUPERCHARGER ROTORS	(32) 02.02.2015	AB
(73) Eaton Intelligent Power Limited	(33) Germany	(72) ANDERSSON, Thomas
(72) MAHALATKAR, Kartikeya K.	(47) 05.01.2022	(74) ir. W.J.J.M. Kempes
CHANDRAS, Pavan	(51) F16H 55/18	(31) 16196711
ABHYANKAR, Sneha	(11) EP3492780	(32) 01.11.2016
SWARTZLANDER, Matthew G.	(21) EP18203684.8	(33) European Patent Office (EPO)
OUWENGA, Daniel	(22) 31.10.2018	(47) 29.12.2021
BAGALAKOTI, Rajeshkhar G.	(54) TOOTHED WHEEL FOR REDUCING	(51) F16L 21/08
(74) ir. W.J.J.M. Kempes	PLAY	(11) EP3500786
(31) 2530DE2015	(73) MAN Truck & Bus SE	(21) EP17754359.2
(32) 17.08.2015	(72) Dietmair, Andreas	(22) 18.08.2017
(33) India	Wiemann, Robert	(54) CLAWED SECURING MEANS
(47) 09.03.2022	(74) ir. A. Blokland c.s.	(73) NORMA Germany GmbH
(51) F15B 7/00	(31) 102017128732	

(72) LECBYCH, Miroslav KRÄMER, Markus	F21V 13/02 F21V 13/04	(73) Fromfroid
(74) ir. J.C. Volmer c.s.	F21W 131/30	(72) PAUPARDIN, Thierry
(31) 102016115536	F21V 5/00	(74) dr. W.A.H.M. Van Borm
(32) 22.08.2016	(11) EP3732390	(31) 1852108
(33) Germany	(21) EP18896216.1	(32) 12.03.2018
(47) 26.01.2022	(22) 27.12.2018	(33) France
(51) F16L 47/32	(54) LIGHTING DEVICES AND METHODS	(47) 16.02.2022
F16L 41/02	(73) Bezel Studio	(51) F26B 3/04
F16L 7/02	(72) GUPTA, Jess	E04B 1/70
F16L 47/03	(74) ir. H.A. Witmans c.s.	F26B 21/00
F16L 55/11	(31) 201816232157	F26B 21/06
F16L 55/115	201762611208 P	(11) EP3657110
G02B 6/50	(32) 26.12.2018	(21) EP18208739.5
G02B 6/44	28.12.2017	(22) 27.11.2018
(11) EP3483492	(33) United States of America	(54) CONTROL APPARATUS FOR
(21) EP18190528.2	United States of America	CARRYING OUT A PROCESS FOR
(22) 23.08.2018	(47) 23.03.2022	DRYING AN AREA OF A STRUCTURE
(54) FITTING SYSTEM FOR INTRODUCING	(51) F24D 10/00	TO BE DRIED, AND PROCESS
AN OPTICAL FIBRE TRANSPORT LINE	F24D 19/10	(73) Sprint Sanierung GmbH
IN A GAS PIPE, SYSTEM COMPRISING	G06Q 10/06	(72) Meyer, Jörg
SUCH A FITTING SYSTEM AND A	G06Q 50/06	(74) dr. R.C. van Duijvenbode c.s.
METHOD FOR LAYING AN OPTICAL	(11) EP3732401	(31) 18208191
FIBRE TRANSPORT CONDUIT	(21) EP18830254.1	(32) 24.11.2018
(73) Westnetz GmbH	(22) 20.12.2018	(33) European Patent Office (EPO)
(72) Ewering, Dietmar	(54) RESPONSIVE POWER STEERING AND	(47) 29.12.2021
(74) ir. W.J.J.M. Kempes	REDUNDANCY	(51) F27B 9/12
(31) 102017126250	(73) EMG Energimontagegruppen AB	F27B 9/30
(32) 09.11.2017	(72) ROSENQVIST, Fredrik	F27B 17/00
(33) Germany	ROSÉN, Per	F27D 17/00
(47) 16.03.2022	SKOGSTRÖM, Jacob	(11) EP3767215
(51) F17C 1/00	(74) ir. W.J.J.M. Kempes	(21) EP20185957.6
F17C 1/16	(31) 17210635	(22) 15.07.2020
(11) EP3366975	(32) 27.12.2017	(54) SYSTEM FOR FIRING CERAMIC
(21) EP17157536.8	(33) European Patent Office (EPO)	BLANKS
(22) 23.02.2017	(47) 02.03.2022	(73) Wienerberger AG
(54) POLE CAP WITH PRESSURE	(51) F24H 1/10	(72) RATH, Johannes
CONNECTION ELEMENT FOR	F24H 1/14	BOOT, Erik
PRESSURE VESSELS	B60N 2/56	(74) dr. R.C. van Duijvenbode c.s.
(73) NPROXX B.V.	H05B 3/58	(31) 506542019
(72) Bäumer, Thomas	(11) EP3254034	(32) 19.07.2019
Castenholz, Claus	(21) EP15722589.7	(33) Austria
(74) dr. A. Krebs	(22) 05.02.2015	(47) 02.03.2022
(47) 29.12.2021	(54) CAPILLARY PROXIMITY HEATER	(51) F28D 9/00
(51) F21V 3/02	WITH HIGH ENERGY SAVING	F28F 3/12
F21K 99/00	EQUIPPED UPSTREAM OF A	F28F 27/00
F21K 9/232	MICROFILTRATION APPARATUS FOR	G01K 11/32
F21K 9/61	THE ELIMINATION OF CALCAREOUS	(11) EP3784974
F21V 8/00	PARTICLES PRESENT IN FLUIDS AND	(21) EP19720366.4
F21K 9/66	DOWNSTREAM OF A NOZZLE OR	(22) 17.04.2019
F21V 3/12	CLOSED CIRCUIT	(54) PLATE HEAT EXCHANGER, PROCESS
F21Y 115/10	(73) Torchio, Giorgio	ENGINEERING SYSTEM AND METHOD
F21Y 113/13	Bellinvia, Silvio	(73) Linde GmbH
(11) EP3722665	(72) Torchio, Giorgio	(72) BAUMGARTNER, Clemens
(21) EP20169373.6	Bellinvia, Silvio	BRAUN, Konrad
(22) 19.09.2005	(74) dr. W.A.H.M. Van Borm	GEWALD, Stefan
(54) LIGHTING DEVICE	(47) 29.12.2021	LEHMACHER, Axel
(73) Signify Holding B.V.	(51) F25D 17/00	STEINBAUER, Manfred
(72) VAN KOOTEN, Wijnand, E., J.	F25D 25/00	KERBER, Christiane
VAN RIJWICK, Mathias, H., J.	F25D 17/04	BLANK, Janine
(31) 04104740	B65D 81/18	FLÜGGEN, Rainer
(32) 29.09.2004	(11) EP3765802	WOITALKA, Alexander
(33) European Patent Office (EPO)	(21) EP19708324.9	HOFFMANN, Rainer
(47) 05.01.2022	(22) 06.03.2019	(74) ir. W.J.J.M. Kempes
(51) F21V 13/06	(54) CELL AND METHOD FOR STORING A	(31) 102018003479
F21L 4/04	SET OF PRODUCTS, WITH CREATION	(32) 27.04.2018
F21V 5/04	OF AN AIR FLOW THROUGH THE SET	(33) Germany
F21V 7/05	OF PRODUCTS	(47) 02.03.2022
		(51) F28D 15/02

(11) EP3596417	G01N 29/22	25.01.2012
(21) EP18768605.0	G01N 29/44	(33) United States of America
(22) 09.03.2018	(11) EP3482188	United States of America
(54) COOLING SYSTEMS AND METHODS	(21) EP17736926.1	(47) 19.01.2022
(73) Zuta-Core Ltd.	(22) 04.07.2017	(51) G01N 27/72
(72) EADELSON, Nahshon	(54) METHOD FOR DETERMINING	G01N 27/90
(74) ir. W.J.J.M. Kempes	DENSITY OF FRESH CONCRETE AND	(11) EP3047264
(31) 201762470911 P	SYSTEM THEREFOR	(21) EP14781058.4
201762470262 P	(73) Command Alkon Incorporated	(22) 16.09.2014
(32) 14.03.2017	(72) BEAUPRE, Denis	(54) METHOD FOR DETERMINING A
12.03.2017	(74) dr. W.A.H.M. Van Borm	MECHANICAL-TECHNOLOGICAL
(33) United States of America	(31) 201662358405 P	CHARACTERISTIC OF A
United States of America	(32) 05.07.2016	FERROMAGNETIC METAL
(47) 29.12.2021	(33) United States of America	(73) Rosen Swiss AG
(51) F28F 9/00	(47) 29.12.2021	(72) REINING, Bernhard
F28D 7/02	(51) G01N 15/14	RAPP, Michael
(11) EP3455573	G03H 1/00	THALE, Werner
(21) EP17723267.5	(11) EP3234550	MOLEND, Daniel
(22) 11.05.2017	(21) EP15820468.5	(74) ir. J.C. Volmer c.s.
(54) COILED HEAT EXCHANGER HAVING	(22) 17.12.2015	(31) 102013015566
INSERTS BETWEEN THE SHROUD	(54) METHOD FOR IDENTIFYING	(32) 20.09.2013
AND THE LAST PIPE LAYER	BIOLOGICAL PARTICLES USING	(33) Germany
(73) Linde GmbH	STACKS OF DEFOCUSED	(47) 05.01.2022
(72) BRAUN, Konrad	HOLOGRAPHIC IMAGES	(51) G01N 30/00
DEICHSEL, Florian	(73) Biomérieux	G01N 15/02
SPREEMANN, Jürgen	Commissariat à l'Énergie Atomique et	(11) EP2856141
KERBER, Christiane	aux Énergies Alternatives	(21) EP13730286.5
KERN, Alexander	(72) PERRAUT, François	(22) 24.05.2013
HILLER, Roland	KLOSTER-LANDSBERG, Meike	(54) METHOD AND SYSTEM FOR
BLUM, Ingomar	DOUET, Alice	ANALYZING SOLID MATTER
STEINBAUER, Manfred	JOLY, Pierre	CONTAINING LIQUIDS AND
(74) ir. W.J.J.M. Kempes	JOSSO, Quentin	MONITORING OR CONTROLLING
(31) 102016005838	(74) ir. F.A. Geurts c.s.	PROCESSES CONTAINING SUCH
(32) 12.05.2016	(31) 1462998	LIQUIDS
(33) Germany	(32) 19.12.2014	(73) Kemira Oyj
(47) 02.03.2022	(33) France	(72) SAARI, Eija
(51) F41H 5/04	(47) 05.01.2022	JOENSUU, Iiris
F41H 1/02	(51) G01N 25/20	VÄHÄSALO, Lari
B32B 3/26	(11) EP3187862	PIIRONEN, Marjatta
B29B 15/12	(21) EP16002330.5	(74) ir. W.J.J.M. Kempes
B32B 5/02	(22) 03.11.2016	(31) 20125560
B32B 5/12	(54) METHOD AND DEVICE FOR THE	(32) 25.05.2012
B32B 5/14	THERMAL ANALYSIS OF A SAMPLE	(33) Finland
B32B 5/26	AND/OR FOR CALIBRATING A	(47) 26.01.2022
B32B 7/12	TEMPERATURE MEASUREMENT	(51) G01N 31/22
(11) EP3443290	DEVICE	C09D 11/20
(21) EP17782869.6	(73) Netzsch-Gerätebau GmbH	C09D 11/50
(22) 06.04.2017	(72) Schindler, Alexander	C09K 11/06
(54) HIGH BUOYANCY COMPOSITE	Lindemann, André	C09K 11/07
MATERIALS	Brunner, Martin	(11) EP3846692
(73) Honeywell International Inc.	(74) dr. R.C. van Duijvenbode c.s.	(21) EP19759603.4
(72) HURST, David A.	(31) 102015122037	(22) 31.08.2019
BHATNAGAR, Ashok	(32) 17.12.2015	(54) A METHOD FOR DETERMINING
WAGNER, Lori L.	(33) Germany	THE OXYGEN CONTENT OF AN
KRATZER, Gary	(47) 05.01.2022	ATMOSPHERE
ARDIFF, Henry Gerard	(51) G01N 27/416	(73) The Provost, Fellows, Foundation
BARTELT, Tyler	G01N 27/28	Scholars, and the other members of
(74) ir. W.J.J.M. Kempes	G01N 27/30	Board, of the College of the Holy & Undiv.
(31) 201715479089	(11) EP3486645	Trinity of Queen Elizabeth near Dublin
201662322834 P	(21) EP18202036.2	(72) COMBY, Steve
(32) 04.04.2017	(22) 24.01.2013	EVANS, Rachel
15.04.2016	(54) ANALYTE SENSOR	(74) dr. A. Krebs
(33) United States of America	(73) Parker-Hannifin Corporation	(31) 18192329
United States of America	(72) Lee, Eric	(32) 03.09.2018
(47) 16.03.2022	(74) ir. H.A. Witmans c.s.	(33) European Patent Office (EPO)
(51) G01N 9/24	(31) 201261608483 P	(47) 02.03.2022
G01N 33/38	201261590636 P	(51) G01N 33/493
G01N 29/024	(32) 08.03.2012	A61B 10/00

B01L 3/00	(21) EP18201555.2	(33) United States of America
(11) EP3373003	(22) 19.10.2018	(47) 12.01.2022
(21) EP18169356.5	(54) RADIATION DETECTOR, METHOD	(51) G02B 9/60
(22) 05.10.2015	FOR PRODUCING A RADIATION	G02B 13/00
(54) URINE TEST STRIP	DETECTOR AND METHOD FOR	(11) EP3164754
(73) Duravit Aktiengesellschaft	OPERATING A RADIATION DETECTOR	(21) EP15814523.5
(72) JANSEN, Dirk	(73) Ketek GmbH	(22) 02.07.2015
SPANGENBERG, Bernd	(72) ISKRA, Peter	(54) PHOTOGRAPHING LENS AND
KAISER, Bernd	VINOGRADOV, Sergey	PHOTOGRAPHING APPARATUS
(74) ir. W.J.J.M. Kempes	(74) dr. R.C. van Duijvenbode c.s.	(73) Samsung Electronics Co., Ltd.
(31) 102014115914	(47) 29.12.2021	(72) ZHAO, Liefeng
(32) 31.10.2014	(51) G02B 6/028	CHOI, Sung-wook
(33) Germany	G02B 6/42	(74) dr. R.C. van Duijvenbode c.s.
(47) 09.02.2022	(11) EP3215876	(31) 20140083899
(51) G01N 33/574	(21) EP14793871.6	(32) 04.07.2014
(11) EP3430404	(22) 07.11.2014	(33) Korea (Republic)
(21) EP17710554.1	(54) MULTIMODE OPTICAL FIBER FOR	(47) 02.03.2022
(22) 15.03.2017	POWER-OVER-FIBER APPLICATIONS	(51) G02B 27/01
(54) EARLY AND NON INVASIVE METHOD	(73) Prysmian S.p.A.	G02B 25/04
FOR ASSESSING A SUBJECT'S RISK	(72) SPINOLA DE SOUZA, Evandro Lee	G02B 25/00
OF HAVING PANCREATIC DUCTAL	Anderson	(11) EP3631568
ADENOCARCINOMA AND METHODS	FLORIDIA, Claudio	(21) EP18810419.4
OF TREATMENT OF SUCH DISEASE	ROSOLEM, João Batista	(22) 18.05.2018
(73) Centre National de la Recherche	GARCIA, Valeria	(54) EYEPIECE FOR A PERSONAL
Scientifique (CNRS)	VIEIRA DA SILVA, João Carlos	DISPLAY AND PERSONAL DISPLAY
Université Claude Bernard Lyon 1	SANCHES, Marcos Antonio Brandão	COMPRISING SUCH EYEPIECE
KIST (Korea Institute of Science and	(74) ir. A. Blokland c.s.	(73) Dispelix Oy
Technology)	(47) 05.01.2022	(72) AIKIO, Mika
Institut National de la Santé et de la	(51) G02B 6/42	(74) ir. W.J.J.M. Kempes
Recherche Médicale (INSERM)	(11) EP3004956	(31) 20175502
Centre Leon Berard	(21) EP14755968.6	(32) 02.06.2017
(72) BERTOLINO, Philippe	(22) 02.06.2014	(33) Finland
IN-SAN, Kim	(54) DEVICE FOR COUPLING AND/OR	(47) 02.03.2022
HENNINO, Ana	DECOUPLING OPTICAL SIGNALS	(51) G03B 17/14
(74) dr. R.C. van Duijvenbode c.s.	(73) Silicon Line GmbH	G03B 15/00
(31) 16305276	(72) GROEPL, Martin	G03B 9/02
(32) 15.03.2016	HOELTKE, Holger	G02B 7/02
(33) European Patent Office (EPO)	(31) 102013105650	H04N 5/225
(47) 05.01.2022	(32) 31.05.2013	(11) EP3525041
(51) G01S 17/08	(33) Germany	(21) EP19163285.0
G02B 27/01	(47) 29.12.2021	(22) 27.04.2015
G02B 17/08	(51) G02B 6/44	(54) LENS BARREL
G01S 7/481	(11) EP3190442	(73) KOWA Co., Ltd.
G01B 11/25	(21) EP17159080.5	(72) Yagi, Hirofumi
G01S 17/46	(22) 05.05.2011	(74) ir. H.J.G. Lips c.s.
G01S 17/89	(54) ADAPTER AND METHOD FOR FIXING	(31) 2014118453
G01S 17/48	AN OPTICAL FIBRE TO THE END OF A	(32) 09.06.2014
G01S 7/48	TUBE	(33) Japan
G01S 17/86	(73) CommScope Connectivity Belgium BVBA	(47) 23.03.2022
(11) EP3589978	(72) Diepstraten, Patrick Jacques Ann	(51) G03B 21/00
(21) EP18711444.2	Swinnen, Lucas	G03B 21/14
(22) 23.02.2018	Eerlings, Andries	G03B 21/56
(54) MULTI-SPECTRUM ILLUMINATION-	Vastmans, Kristof	G09G 5/00
AND-SENSOR MODULE FOR HEAD	(74) ir. J.D. de Zeeuw	G09F 19/18
TRACKING, GESTURE RECOGNITION	(47) 29.12.2021	B60Q 1/50
AND SPATIAL MAPPING	(51) G02B 6/44	G09F 21/04
(73) Microsoft Technology Licensing, LLC	(11) EP3286589	G09G 3/00
(72) BLEYER, Michael	(21) EP16718347.4	H04N 9/31
DEMANDOLX, Denis	(22) 22.04.2016	(11) EP2852863
PRICE, Raymond, Kirk	(54) CABLE STORAGE ARRANGEMENT	(21) EP13794264.5
(74) dr. R.C. van Duijvenbode c.s.	(73) CommScope Connectivity Belgium BVBA	(22) 16.05.2013
(31) 201715447064	ADC Czech Republic s.r.o.	(54) VEHICLE PROJECTION SYSTEMS
(32) 01.03.2017	(72) VAN BAELEN, David Jan Irma	AND METHOD
(33) United States of America	COLLART, Stephane	(73) Kriezman, Omri
(47) 23.02.2022	AMBROZ, Jiri	(72) Kriezman, Omri
(51) G01T 1/24	(74) ir. J.D. de Zeeuw	(74) ir. W.J.J.M. Kempes
H01L 29/78	(31) 201562151239 P	(31) 201213476263
(11) EP3640682	(32) 22.04.2015	(32) 21.05.2012

(33) United States of America (47) 05.01.2022	(54) RISK EVALUATION DEVICE, RISK EVALUATION SYSTEM, RISK EVALUATION METHOD, RISK EVALUATION PROGRAM, AND DATA STRUCTURE	(31) 201615391037 (32) 27.12.2016 (33) United States of America (47) 09.02.2022
(51) G03F 7/20 G01B 9/02 (11) EP3317725 (21) EP16725139.6 (22) 26.05.2016	(73) TLV Co., Ltd. (72) FUJIWARA, Yoshiyasu (74) ir. W.J.J.M. Kempes (31) 2017171489 (32) 06.09.2017 (33) Japan (47) 02.03.2022	(51) G06F 3/044 H03K 17/96 (11) EP3066547 (21) EP14857517.8 (22) 03.11.2014
(54) POSITION MEASUREMENT SYSTEM AND LITHOGRAPHIC APPARATUS (73) ASML Netherlands B.V. (72) EUSSEN, Emiel, Jozef, Melanie VAN LEEUWEN, Robbert, Edgar VAN DER PASCH, Engelbertus, Antonius, Fransiscus (74) ir. A.J.M. van Hoef (31) 15174594 (32) 30.06.2015 (33) European Patent Office (EPO) (47) 23.03.2022	(51) G05D 1/02 (11) EP3586210 (21) EP18704155.3 (22) 24.01.2018 (54) METHOD FOR SENSING AT LEAST ONE WORKING REGION OF AN AUTONOMOUS WORKING DEVICE (73) Robert Bosch GmbH (72) ABBOTT, Paul COOTE, Chris WEISS, Ulrich VISEL, Benjamin LANG, Stefan BIBER, Peter WENGER, Maximilian LAIBLE, Stefan BETI, Melita (74) ir. H.A. Witmans c.s. (31) 102017203055 (32) 24.02.2017 (33) Germany (47) 09.03.2022	(54) ELECTRONIC DEVICE INCLUDING TOUCH-SENSITIVE DISPLAY AND METHOD OF DETECTING TOUCHES (73) BlackBerry Limited (72) HO, Christopher Ying Wai SINGH, Amit Pal (74) ir. W.J.J.M. Kempes (31) 201314070789 (32) 04.11.2013 (33) United States of America (47) 05.01.2022
(51) G03F 7/20 G21K 1/06 (11) EP3323019 (21) EP16734227.8 (22) 22.06.2016 (54) METHOD FOR PRODUCING A MIRROR, IN PARTICULAR FOR A MIRCOLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS (73) Carl Zeiss SMT GmbH (72) WEBER, Jörn DIER, Oliver GRASSE, Christian SIX, Stephan (74) ir. W.J.J.M. Kempes (31) 102015213249 (32) 15.07.2015 (33) Germany (47) 12.01.2022	(51) G05F 1/56 G05F 3/26 H02M 3/156 H02M 3/158 (11) EP3516474 (21) EP17754871.6 (22) 27.07.2017 (54) DEVICE AND METHOD TO STABILIZE A SUPPLY VOLTAGE (73) Qualcomm Incorporated (72) PRICE, Burt SHAH, Dhaval KOLLA, Yeshwant (74) dr. R.C. van Duijvenbode c.s. (31) 201615272110 (32) 21.09.2016 (33) United States of America (47) 16.02.2022	(51) G06F 3/16 G10L 15/22 H04M 3/527 H04M 3/56 H04M 1/724 H04W 4/12 (11) EP3158464 (21) EP15736701.2 (22) 17.06.2015 (54) USE OF A DIGITAL ASSISTANT IN COMMUNICATIONS (73) Microsoft Technology Licensing, LLC (72) CHORY, Susan HAWKINS, Rylan WOOLSEY, Kerry JIN, Larry HALVORSEN, Pat (74) dr. R.C. van Duijvenbode c.s. (31) 201414321604 201462014174 P (32) 01.07.2014 19.06.2014 (33) United States of America United States of America (47) 23.02.2022
(51) G03G 15/08 G03G 21/16 (11) EP3705948 (21) EP19793599.2 (22) 18.04.2019 (54) POWER RECEIVING COMPONENT AND TONER CARTRIDGE (73) Ninestar Corporation (72) LUO, Qin (74) dr. R.C. van Duijvenbode c.s. (31) 201820689741 U 201820656245 U 201820603345 U 201820577103 U (32) 08.05.2018 03.05.2018 24.04.2018 23.04.2018 (33) China China China China (47) 02.03.2022	(51) G06F 1/32 G11C 16/30 G06F 1/26 G06F 1/30 G11C 5/14 (11) EP3563214 (21) EP17888932.5 (22) 28.11.2017 (54) ENABLING FUNCTIONS OF A MEMORY DEVICE IN A PLURALITY OF PHASES (73) Intel Corporation (72) ZUPANC, Zeljko MOCANU, Adrian MORNING-SMITH, Andrew (74) ir. W.J.J.M. Kempes	(51) G06F 9/4401 G06F 11/14 G06F 8/65 (11) EP3131005 (21) EP16184095.4 (22) 12.08.2016 (54) TRAIN EMBEDDED ELECTRONIC DEVICE COMPRISING A BOOT PROGRAM WITH ONE OR MORE STARTPARTITIONS, AND THE ASSOCIATED TRAIN VEHICLE AND SYSTEM (73) ALSTOM Transport Technologies (72) RAFIN, Stephan PLANCHE, Lilian (74) dr. W.A.H.M. Van Borm (31) 1557752 (32) 14.08.2015 (33) France (47) 29.12.2021
(51) G05B 23/02 G06Q 10/00 G05B 19/042 (11) EP3614221 (21) EP18853259.2 (22) 19.07.2018	(51) G06F 21/30 H04W 4/06 H04W 12/08	(51) G06F 21/30 H04W 4/06 H04W 12/08

G06F 3/0488	17.04.2014	Kim, Junghyun
G06F 3/048	05.03.2014	Song, Hee-Kwang
G06F 21/31	25.02.2014	(74) drs. A.A. Jilderda
G06F 21/60	(33) United States of America	(31) 20150031870
G06F 21/62	United States of America	(32) 06.03.2015
H04W 8/00	United States of America	(33) Korea (Republic)
H04N 7/14	United States of America	(47) 23.03.2022
H04N 7/15	United States of America	(51) G16H 40/63
(11) EP3436918	United States of America	(11) EP2793153
(21) EP17720261.1	United States of America	(21) EP14173685.0
(22) 27.03.2017	United States of America	(22) 20.05.2009
(54) PROJECTION VIA A DEVICE	(47) 16.02.2022	(54) WIRELESS MEDICAL ROOM
(73) Microsoft Technology Licensing, LLC	(51) G06T 7/90	CONTROL ARRANGEMENT FOR
(72) KLEMETS, Anders E.	H05B 45/22	CONTROL OF A PLURALITY OF
MENDONCA, Rouella J.	(11) EP3770856	MEDICAL DEVICES
PHAN, Phuoc Q.	(21) EP19874766.9	(73) Stryker Corporation
MATESAN, Cristian M.	(22) 25.06.2019	(72) Raghavan, Prabhu
BELLET, Vincent	(54) MIXED COLOR CORRECTION	Morgan, Travis
(74) dr. R.C. van Duijvenbode c.s.	METHOD AND APPARATUS,	(74) ir. H.A. Witmans c.s.
(31) 201615186259	TERMINAL DEVICE, AND READABLE	(31) 129000
201662314757 P	STORAGE MEDIUM	(32) 27.05.2008
(32) 17.06.2016	(73) Guangzhou Yajiang Photoelectric	(33) United States of America
29.03.2016	Equipment Co., Ltd.	(47) 29.12.2021
(33) United States of America	(72) HUANG, Rongfeng	(51) G21B 1/23
United States of America	WANG, Guohai	(11) EP3208808
(47) 02.03.2022	CHEN, Zhiman	(21) EP16190435.4
(51) G06F 21/62	(74) dr. A. Krebs	(22) 30.05.2007
G09C 1/00	(31) 201910471282	(54) ELECTRON-COUPLED
H04L 29/06	(32) 31.05.2019	TRANSFORMER
(11) EP3509006	(33) China	(73) Advanced Fusion Systems LLC
(21) EP17846603.3	(47) 09.03.2022	(72) Birnbach, Curtis A.
(22) 30.08.2017	(51) G07C 9/00	(74) ir. W.J.J.M. Kempes
(54) INFORMATION SHARING SYSTEM	(11) EP3096297	(31) 754928
(73) Soramitsu Co., Ltd.	(21) EP16170872.2	809453 P
(72) TAKEMIYA Makoto	(22) 23.05.2016	(32) 29.05.2007
OKADA Ryu	(54) LOCKING SYSTEM FOR A BUILDING	30.05.2006
(74) ir. F.A. Geurts c.s.	DOOR AND METHOD OF OPERATING	(33) United States of America
(31) 2016167961	THE LOCKING SYSTEM	United States of America
(32) 30.08.2016	(73) Carl Fuhr GmbH & Co. KG	(47) 16.03.2022
(33) Japan	(72) Tönges, Reiner	(51) H01B 3/00
(47) 12.01.2022	Meis, Guido	C01B 39/46
(51) G06T 7/00	(74) mr. ir. J. van Breda c.s.	H01B 7/00
A61B 90/00	(31) 102015108027	H01B 13/00
G06T 7/33	(32) 21.05.2015	H01B 13/22
(11) EP3449861	(33) Germany	C01B 39/14
(21) EP18195511.3	(47) 05.01.2022	C01B 39/24
(22) 25.02.2015	(51) G09B 23/28	(11) EP3699931
(54) SYSTEM AND METHODS FOR INTRA-	(11) EP3707694	(21) EP20157689.9
OPERATIVE IMAGE ANALYSIS	(21) EP18827156.3	(22) 17.02.2020
(73) DePuy Synthes Products, Inc.	(22) 09.11.2018	(54) METHOD FOR EXTRACTING
(72) Jiang, Xiu	(54) SYSTEM FOR SIMULATING A	CROSSLINKING BY-PRODUCTS FROM
Cooper, Andrew J.	SURGICAL PROCEDURE	A CROSSLINKED ELECTRICALLY
Albert, Cameron	(73) Virtualisurg	INSULATING SYSTEM OF A POWER
Wollowick, Noah D.	(72) MIGNAN, Nicolas	CABLE AND RELATED POWER CABLE
(74) dr. R.C. van Duijvenbode c.s.	JOLIVET, Erwan	(73) Prysmian S.p.A.
(31) 201514630300	(74) dr. A. Krebs	(72) SICA, Rodolfo
201562105183 P	(31) 1760601	ROLLA, Alessandro
201462080953 P	(32) 10.11.2017	(74) ir. A. Blokland c.s.
201462051238 P	(33) France	(31) 201900002609
201462016483 P	(47) 05.01.2022	(32) 22.02.2019
201461980659 P	(51) G09G 3/34	(33) Italy
201461948534 P	(11) EP3070704	(47) 05.01.2022
201461944520 P	(21) EP16157766.3	(51) H01F 6/00
(32) 24.02.2015	(22) 29.02.2016	(11) EP3329501
19.01.2015	(54) DISPLAY APPARATUS	(21) EP16724965.5
17.11.2014	(73) Samsung Display Co., Ltd.	(22) 23.05.2016
16.09.2014	(72) Nam, Seokhyun	
24.06.2014	Yeo, Dong-Min	

(54) APPARATUS AND METHODS FOR CHANGING THE MAGNETISATION OF A SUPERCONDUCTOR	(11) EP3734630	(21) EP16762840.3
(73) Magnifye Limited	(21) EP19172032.5	(22) 31.08.2016
(72) GENG, Jianzhao	(22) 30.04.2019	(54) DOUBLE PEROVSKITE
COOMBS, Timothy Arthur	(54) UNIVERSAL VACUUM INTERRUPTER FOR AIR DISCONNECT SWITCHES	(73) Oxford University Innovation Limited
(74) ir. W.J.J.M. Kempes	(73) General Electric Technology GmbH	(72) HAGIGHIRAD, Amir Abbas
(31) 201513597	(72) KECHROUD, Riyad	SNAITH, Henry James
(32) 31.07.2015	ROLLIER, Clément	VOLONAKIS, George
(33) United Kingdom	(74) dr. R.C. van Duijvenbode c.s.	FILIP, Marina
(47) 23.02.2022	(47) 05.01.2022	GIUSTINO, Feliciano
(51) H01F 27/28	(51) H01L 21/67	(74) dr. R.C. van Duijvenbode c.s.
H01F 27/36	H01L 21/677	(31) 201603804
H01F 27/38	H01L 21/687	201515546
H01F 27/40	(11) EP3758049	(32) 04.03.2016
H01F 38/14	(21) EP19182628.8	02.09.2015
(11) EP3669389	(22) 26.06.2019	(33) United Kingdom
(21) EP18752767.6	(54) DEVICE AND METHOD FOR MOVING AN OBJECT INTO A PROCESSING STATION, CONVEYING SYSTEM AND PROCESSING APPARATUS	United Kingdom
(22) 13.08.2018	(73) Atotech Deutschland GmbH	(47) 09.02.2022
(54) TOPOLOGY OF A FERRITE SHIELD FOR INDUCTIVE COILS	(72) Pretscher, Rüdiger	(51) H01L 51/52
(73) Prodrive Technologies Innovation Services B.V.	(74) ir. W.J.J.M. Kempes	(11) EP3503239
(72) MEESSEN, Koen Joseph	(47) 16.02.2022	(21) EP18215762.8
BRON, Ben	(51) H01L 25/065	(22) 21.12.2018
VRIJSEN, Nilles Henricus	H01L 21/98	(54) LIGHT EMITTING DISPLAY PANEL
WESSELS, Wouter Johannes Stephanus	H01L 23/13	(73) Samsung Display Co., Ltd.
(74) dr. ir. C.H.M.P. Willems	H01L 23/538	(72) KIM, Sunhwa
(31) 2019416	H01L 21/48	JEONG, Heeseong
(32) 14.08.2017	H01L 21/683	KIM, Dahye
(33) Netherlands	H01L 23/14	SONG, Hyun-gue
(47) 29.12.2021	H01L 23/36	(74) ir. H.A. Witmans c.s.
(51) H01G 9/20	H01L 23/498	(31) 20170177447
(11) EP3401938	H01L 25/10	(32) 21.12.2017
(21) EP16883856.3	(11) EP3257078	(33) Korea (Republic)
(22) 27.12.2016	(21) EP16704113.6	(47) 02.03.2022
(54) PHOTOVOLTAIC ELEMENT	(22) 26.01.2016	(51) H01M 8/0606
(73) International Frontier Technology Laboratory Inc.	(54) SEMICONDUCTOR PACKAGE WITH DIES POSITIONED SIDE BY SIDE	H01M 8/0656
(72) KOMATSU, Nobuaki	(73) Qualcomm Incorporated	H01M 8/04082
ITO, Tomoko	(72) KIM, Chin-Kwan	(11) EP3711107
(74) ir. A. Blokland c.s.	BCHIR, Omar, James	(21) EP18857426.3
(31) 2016001278	SHAH, Milind, Pravin	(22) 14.11.2018
(32) 06.01.2016	SYED, Ahmer, Raza	(54) DOMESTIC GENERATOR SYSTEM OF HEAT AND/OR ELECTRICITY COMPRISING A BUFFER SYSTEM
(33) Japan	LANE, Ryan, David	(73) Flamco B.V.
(47) 19.01.2022	(74) dr. R.C. van Duijvenbode c.s.	(72) REEZIGT, Herman
(51) H01H 3/30	(31) 201514622346	CNOSSEN, Jan Henk
H01H 3/42	(32) 13.02.2015	(74) dr. ir. G.J.C. Verdijk c.s.
(11) EP3513418	(33) United States of America	(31) 1042646
(21) EP17765457.1	(47) 23.02.2022	(32) 15.11.2017
(22) 14.09.2017	(51) H01L 29/78	(33) Netherlands
(54) MECHANISM FOR OPENING AND CLOSING A CIRCUIT BREAKER	H01L 29/08	(47) 05.01.2022
(73) Eaton Intelligent Power Limited	H01L 21/336	(51) H01M 10/0567
(72) LAMMERS, Arend	(11) EP3144974	H01M 4/131
VATHARKAR, Akshay	(21) EP15185954.3	H01M 4/505
MD, Jinto	(22) 18.09.2015	H01M 4/525
(74) dr. W.A.H.M. Van Borm	(54) SEMICONDUCTOR DEVICE	H01M 10/052
(31) 201611031325	(73) Ampleon Netherlands B.V.	H01M 4/50
201620240	(72) De Boet, Johannes Adrianus Maria	H01M 10/0525
(32) 14.09.2016	(74) dr. ir. G.J.C. Verdijk c.s.	(11) EP3667803
29.11.2016	(47) 26.01.2022	(21) EP18845244.5
(33) India	(51) H01L 51/42	(22) 07.08.2018
United Kingdom	C07F 1/10	(54) NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
(47) 26.01.2022	C07F 5/00	(73) MU Ionic Solutions Corporation
(51) H01H 33/12	C01G 29/00	Mitsubishi Chemical Corporation
H01H 33/666	C01G 30/00	(72) KIM, Jungmin
H01H 31/28	H01L 51/00	NISHIO, Koichi
	(11) EP3345230	(74) mr. drs. L. van Wezenbeek
		(31) 2017155379
		(32) 10.08.2017

(33) Japan	(73) Voltserver, Inc.	(73) Qualcomm Incorporated
(47) 16.03.2022	(72) EAVES, Stephen	(72) IRISH, Linda Stacey
(51) H01M 10/42	(74) dr. R.C. van Duijvenbode c.s.	VON NOVAK III, William Henry
H01M 10/48	(31) 201662292596 P	(74) dr. R.C. van Duijvenbode c.s.
H02J 7/00	(32) 08.02.2016	(31) 201414463909
B60L 58/22	(33) United States of America	(32) 20.08.2014
(11) EP2915210	(47) 05.01.2022	(33) United States of America
(21) EP13792936.0	(51) H02H 3/087	(47) 02.03.2022
(22) 01.11.2013	G01R 19/165	(51) H02K 15/03
(54) ENHANCED BATTERY MANAGEMENT SYSTEM	G05B 19/418	H02K 41/03
(73) TWS Technology (Guangzhou) Limited	G05B 19/042	F16B 5/02
(72) HUGGINS, Mark Wayne	H04L 29/06	F16B 37/12
(74) J.M.H. Duyver lic.	(11) EP3420617	H02K 1/17
(31) 201310163703	(21) EP17756959.7	H02K 1/34
201219863	(22) 27.01.2017	(11) EP3567708
(32) 07.05.2013	(54) SYSTEM AND METHOD FOR MULTI-LEVEL ELECTRONIC PROTECTION USING COMBINATION OF CURRENT SENSING AND TEMPERATURE SENSING	(21) EP18171383.5
05.11.2012	(73) Honeywell International Inc.	(22) 09.05.2018
(33) China	(72) KULKARNI, Amit	(54) SECONDARY PART FOR AN IRONLESS LINEAR MOTOR
United Kingdom	NIKAM, Vijay	(73) ETEL S.A.
(47) 02.03.2022	(74) ir. W.J.J.M. Kempes	(72) MOREL, Jean-Pierre
(51) H01R 12/57	(31) 201615052661	GARCIA HERREROS, Ivan
H01R 12/58	(32) 24.02.2016	(74) ir. J.C. Volmer c.s.
(11) EP3669424	(33) United States of America	(47) 09.03.2022
(21) EP18752764.3	(47) 16.03.2022	(51) H02M 3/335
(22) 10.08.2018	(51) H02J 3/24	H02M 1/00
(54) CONNECTOR FOR PRINTED CIRCUIT BOARD	H02J 3/46	H02M 3/00
(73) Prodrive Technologies Innovation Services B.V.	(11) EP3756260	(11) EP3584919
(72) VAN DER KANT, Tom Adrianus Henricus	(21) EP20716849.3	(21) EP19181320.3
(74) dr. ir. C.H.M.P. Willems	(22) 14.04.2020	(22) 19.06.2019
(31) 2019415	(54) MULTICHANNEL PRL: POWER GRID AND METHOD AND SYSTEM FOR PROVIDING A CONTROLLING POWER FOR REGULATING A POWER GRID FREQUENCY OF A POWER GRID	(54) RESONANT CONVERTER AND CONTROL METHOD
(32) 14.08.2017	(73) TRIMET Aluminium SE	(73) Delta Electronics, Inc.
(33) Netherlands	(72) HAUCK, Heribert	(72) WEI, Tao
(47) 29.12.2021	(74) mr. drs. L. van Wezenbeek	LU, Hao
(51) H01R 24/58	(31) 19174037	(74) J.M.H. Duyver lic.
H01R 13/24	(32) 13.05.2019	(31) 201810638360
H01R 13/52	(33) European Patent Office (EPO)	(32) 20.06.2018
H01R 12/77	(47) 19.01.2022	(33) China
(11) EP3648263	(51) H02J 3/32	(47) 16.03.2022
(21) EP19206796.5	H02J 7/35	(51) H02N 1/08
(22) 01.11.2019	H02J 3/38	H02K 7/02
(54) MEDICAL LEAD CONNECTORS WITH CONTACT ELECTRODES	H02J 13/00	(11) EP3338358
(73) Benchmark Electronics, Inc.	H02J 7/34	(21) EP16837516.0
(72) JOHNS, Daniel William	H02J 4/00	(22) 10.08.2016
WHITE, Robert Raymond	(11) EP3588727	(54) IMPROVED DESIGN FOR ELECTROSTATIC GENERATOR/ MOTOR ELECTRODES LOCATED ON THE INNER SURFACE OF AN ELECTROMECHANICAL BATTERY ROTOR
HIGGINS, Daniel Patrick	(21) EP18180421.2	(73) Lawrence Livermore National Security, LLC
(74) ir. W.J.J.M. Kempes	(22) 28.06.2018	(74) ir. C.G.C. Veldman-Dijkers
(31) 201816179858	(54) DEVICE FOR CONNECTING CONSUMERS TO ENERGY SUPPLY NETWORKS	(31) 201615076472
(32) 02.11.2018	(73) E.ON SE	201562207341 P
(33) United States of America	(72) Müller, Dirk	(32) 21.03.2016
(47) 23.03.2022	Monti, Antonelli	19.08.2015
(51) H02H 3/00	(74) ir. W.J.J.M. Kempes	(33) United States of America
G05B 9/02	(47) 16.02.2022	United States of America
G05B 11/01	(51) H02J 7/00	(47) 16.03.2022
G05D 3/12	(11) EP3183794	(51) H03F 3/45
H02H 3/40	(21) EP15756278.6	H03F 3/72
H02H 3/44	(22) 13.08.2015	H03F 1/32
H02H 11/00	(54) FAST BATTERY CHARGING THROUGH DIGITAL FEEDBACK	(11) EP3641130
(11) EP3414808		(21) EP19202858.7
(21) EP17750646.6		(22) 11.10.2019
(22) 07.02.2017		
(54) DIGITAL ELECTRICITY TRANSMISSION SYSTEM USING REVERSAL SENSING PACKET ENERGY TRANSFER		

(54) AMPLIFIER SYSTEMS FOR DRIVING A WIDE RANGE OF LOADS	201762459290 P	MATSUDA, Hiroki
(73) Analog Devices International Unlimited Company	(32) 16.01.2018	(74) ir. W.J.J.M. Kempes
(72) PEJE, Joseph Leandro Balais	15.02.2017	(31) 2016096351
KOWALIK, Sean Patrick	(33) United States of America	2015195903
BASILICO, Simon Nicholas Fiedler	United States of America	(32) 12.05.2016
KUSUDA, Yoshinori	(47) 23.02.2022	01.10.2015
COLN, Michael C W	(51) H04B 7/06	(33) Japan
(74) drs. A.A. Jilderda	H04B 7/04	Japan
(31) 201816162858	H04L 27/00	(47) 09.03.2022
(32) 17.10.2018	(11) EP3518433	(51) H04J 99/00
(33) United States of America	(21) EP16920858.4	H04B 7/04
(47) 09.03.2022	(22) 03.11.2016	H04W 16/28
(51) H04B 1/707	(54) DATA TRANSMISSION METHOD, USER EQUIPMENT AND NETWORK DEVICE	H04J 13/18
H04B 1/7097	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(11) EP3691154
(11) EP3709587	(72) YANG, Ning	(21) EP20165887.9
(21) EP19741249.7	XU, Hua	(22) 30.09.2010
(22) 09.01.2019	TANG, Hai	(54) TERMINAL STATION APPARATUS, BASE STATION APPARATUS, TRANSMISSION METHOD AND CONTROL METHOD
(54) WIRELESS SIGNAL RECEPTION DEVICE AND METHOD FOR CONTROLLING SAME	(74) ir. W.J.J.M. Kempes	(73) Sun Patent Trust
(73) Samsung Electronics Co., Ltd.	(47) 02.03.2022	(72) NISHIO, Akihiko
(72) KANG, Junseok	(51) H04B 7/185	SUMASU, Atsushi
SHIN, Hyunjong	H04W 72/04	IWAI, Takashi
(74) dr. R.C. van Duijvenbode c.s.	(11) EP3605876	NAKAO, Seigo
(31) 20180006760	(21) EP19188954.2	IMAMURA, Daichi
(32) 18.01.2018	(22) 29.07.2019	OGAWA, Yoshihiko
(33) Korea (Republic)	(54) DYNAMIC HOPPING PLAN OPTIMIZATION IN A BEAM HOPPING SATELLITE NETWORK	(74) ir. W.J.J.M. Kempes
(47) 02.03.2022	(73) ST Engineering iDirect (Europe) Cy NV	(31) 2010086141
(51) H04B 5/00	(72) BREYNAERT, Dirk	2009229649
G06Q 20/20	CHRISTOPOULOS, Dimitrios	(32) 02.04.2010
G06Q 20/32	(74) ir. W.J.J.M. Kempes	01.10.2009
G06Q 20/34	(31) 201862712295 P	(33) Japan
G07G 1/00	(32) 31.07.2018	Japan
(11) EP3751749	(33) United States of America	(47) 09.03.2022
(21) EP20178605.0	(47) 02.03.2022	(51) H04L 1/00
(22) 05.06.2020	(51) H04B 7/26	(11) EP3609101
(54) MULTI-USE NEAR FIELD COMMUNICATION FRONT END ON A POINT OF SALE SYSTEM	H04W 72/04	(21) EP18794463.2
(73) Clover Network, LLC	H04L 27/26	(22) 03.05.2018
(72) PATWARDHAN, Ketan	H04L 5/14	(54) METHOD FOR TRANSMITTING DATA, BASE STATION, AND TERMINAL APPARATUS
GOPALAKRISHNAN, Narayanan	H04L 5/00	(73) Huawei Technologies Co., Ltd.
PAN, Victor	H04W 88/02	(72) ZENG, Xin
CASTILLO, James	H04W 88/12	WEI, Yuejun
(74) ir. C.G.C. Veldman-Dijkers	(11) EP3540981	MA, Liang
(31) 201916442210	(21) EP19157065.4	ZHENG, Chen
(32) 14.06.2019	(22) 04.12.2013	(74) ir. W.J.J.M. Kempes
(33) United States of America	(54) DOWNLINK SUBFRAME SHORTENING IN TIME-DIVISION DUPLEX (TDD) SYSTEMS	(31) 201710307430
(47) 09.03.2022	(73) Telefonaktiebolaget LM Ericsson (publ)	(32) 04.05.2017
(51) H04B 7/024	(72) PARKVALL, Stefan	(33) China
H04B 7/0452	SAHLIN, Henrik	(47) 02.03.2022
H04B 7/0417	ZHANG, Qiang	(51) H04L 1/16
H04B 7/06	FURUSKOG, Johan	H04J 11/00
H04L 5/00	(74) ir. A. Blokland c.s.	H04L 1/18
H04W 16/28	(47) 16.03.2022	H04L 5/14
H04W 72/04	(51) H04J 11/00	H04L 5/00
(11) EP3583702	H04B 7/04	(11) EP2715962
(21) EP18703874.0	H04L 27/01	(21) EP12792531.1
(22) 17.01.2018	(11) EP3358765	(22) 22.05.2012
(54) DISTRIBUTED MULTI-USER (MU) WIRELESS COMMUNICATION	(21) EP16850972.7	(54) METHOD AND APPARATUS FOR TRANSMITTING ACK/NACK INFORMATION
(73) Qualcomm Incorporated	(22) 24.08.2016	(73) Samsung Electronics Co., Ltd.
(72) VERMANI, Sameer	(54) DEVICE, METHOD AND PROGRAM	(72) LI, Yingyang
TIAN, Bin	(73) Sony Group Corporation	FU, Jingxing
(74) dr. R.C. van Duijvenbode c.s.	(72) KIMURA, Ryota	(74) dr. R.C. van Duijvenbode c.s.
(31) 201815872294	SAWAI, Ryo	(31) 201110234895
	SANADA, Yukitoshi	

201110157650	(51) H04L 5/00	201662417997 P
(32) 15.08.2011	(11) EP3709558	(32) 09.08.2017
31.05.2011	(21) EP20173568.5	04.11.2016
(33) China	(22) 20.03.2007	(33) United States of America
China	(54) SIGNALLING OF RESOURCE	United States of America
(47) 23.02.2022	ALLOCATIONS IN A COMMUNICATION	(47) 16.02.2022
(51) H04L 5/00	SYSTEM	(51) H04L 5/00
(11) EP2982075	(73) NEC Corporation	H04W 72/04
(21) EP14720463.0	(72) MITRA, Diptendu	H04L 1/08
(22) 05.04.2014	ARNOTT, Robert	(11) EP3285527
(54) PHYSICAL BROADCAST	(74) ir. J.C. Volmer c.s.	(21) EP15880715.6
CHANNEL (PBCH) COVERAGE	(31) 0605581	(22) 04.02.2015
ENHANCEMENTS FOR MACHINE	(32) 20.03.2006	(54) METHODS AND DEVICES FOR
TYPE COMMUNICATIONS (MTC)	(33) United Kingdom	REPORTING CHANNEL STATE
(73) Qualcomm Incorporated	(47) 02.03.2022	(73) Huawei Technologies Co., Ltd.
(72) Ji, Tingfang	(51) H04L 5/00	(72) ZENG, Qinghai
CHEN, Wanshi	(11) EP3713140	LI, Yuanjie
XU, Hao	(21) EP18879710.4	HUANG, Qufang
GAAL, Peter	(22) 10.10.2018	(74) ir. W.J.J.M. Kempes
(74) dr. R.C. van Duijvenbode c.s.	(54) METHOD OF SENDING	(47) 26.01.2022
(31) 201414245370	TRANSMISSION CONFIGURATION	(51) H04L 5/00
201361809232 P	INDICATION TCI, NETWORK-SIDE	H04W 72/04
(32) 04.04.2014	DEVICE, AND TERMINAL DEVICE	H04W 56/00
05.04.2013	(73) Vivo Mobile Communication Co., Ltd.	(11) EP3742841
(33) United States of America	(72) SUN, Peng	(21) EP18906020.5
United States of America	YANG, Yu	(22) 14.02.2018
(47) 02.03.2022	(74) J.M.H. Duyver lic.	(54) INDICATION METHOD, DETECTION
(51) H04L 5/00	(31) 201711147009	METHOD AND RELATED DEVICE
(11) EP3447960	(32) 17.11.2017	(73) GUANGDONG OPPO MOBILE
(21) EP18199632.3	(33) China	TELECOMMUNICATIONS CORP., LTD.
(22) 01.11.2016	(47) 09.03.2022	(72) TANG, Hai
(54) METHOD AND APPARATUS FOR LOW	(51) H04L 5/00	(74) ir. W.J.J.M. Kempes
LATENCY TRANSMISSIONS	H04W 24/10	(47) 09.03.2022
(73) Motorola Mobility LLC	H04W 72/04	(51) H04L 9/32
(72) LOVE, Robert T	H04B 7/02	(11) EP3741082
NANGIA, Vijay	H04W 88/08	(21) EP19707104.6
NIMBALKER, Ajit	H04J 11/00	(22) 18.01.2019
KUCHIBHOTLA, Ravi	(11) EP3352408	(54) PROOF CHAINING AND
NORY, Ravikiran	(21) EP18161563.4	DECOMPOSITION
(74) ir. H.A. Witmans c.s.	(22) 22.03.2013	(73) QED-IT SYSTEMS LTD.
(31) 201615013014	(54) METHOD AND APPARATUS FOR	(72) GURKAN, Yakov
201562252092 P	MEASURING INTERFERENCE IN	ROUACH, Jonathan Sullum
(32) 02.02.2016	WIRELESS COMMUNICATION SYSTEM	BENARROCH GUENUN, Daniel Messod
06.11.2015	(73) Samsung Electronics Co., Ltd.	ZOHAR, Aviv
(33) United States of America	(72) LEE, Hyo Jin	NACSON, Shahaf
United States of America	KIM, Ki Il	(74) dr. R.C. van Duijvenbode c.s.
(47) 02.03.2022	KIM, Youn Sun	(31) 201862636402 P
(51) H04L 5/00	LEE, Ju Ho	201862619660 P
(11) EP3591887	(74) dr. R.C. van Duijvenbode c.s.	(32) 28.02.2018
(21) EP19193577.4	(31) 201261614710 P	19.01.2018
(22) 09.11.2018	(32) 23.03.2012	(33) United States of America
(54) METHODS AND APPARATUS	(33) United States of America	United States of America
FOR COMMUNICATIONS BASED ON	(47) 23.02.2022	(47) 29.12.2021
WIRELESS DEVICE CAPABILITIES	(51) H04L 5/00	(51) H04L 12/12
(73) Beijing Xiaomi Mobile Software Co., Ltd.	H04W 52/02	H04L 12/28
(72) DINAN, Esmael	(11) EP3535916	H04M 11/06
BABAEI, Alireza	(21) EP17805027.4	(11) EP3721584
ZHOU, Hua	(22) 01.11.2017	(21) EP18830054.5
PARK, Kyungmin	(54) POWER CONTROL AND TRIGGERING	(22) 30.11.2018
JEON, Hyoungsuk	OF SOUNDING REFERENCE	(54) BROADBAND WATCHDOG
(74) J.M.H. Duyver lic.	SIGNAL ON MULTIPLE COMPONENT	(73) DISH NETWORK L.L.C.
(31) 201762585801 P	CARRIERS	(72) HIEB, Eric
201762583654 P	(73) QUALCOMM Incorporated	(74) dr. R.C. van Duijvenbode c.s.
(32) 14.11.2017	(72) RICO ALVARINO, Alberto	(31) 201715833729
09.11.2017	XU, Hao	(32) 06.12.2017
(33) United States of America	CHEN, Wanshi	(33) United States of America
United States of America	(74) dr. R.C. van Duijvenbode c.s.	(47) 05.01.2022
(47) 09.02.2022	(31) 201715673085	

(51) H04L 12/22	LEE, Young	H04W 48/14
H04L 9/32	(74) ir. W.J.J.M. Kempes	(11) EP3482551
H04L 29/06	(31) 201615346423	(21) EP17824993.4
(11) EP3525395	201662277389 P	(22) 07.07.2017
(21) EP19167409.2	(32) 08.11.2016	(54) MACHINE TYPE COMMUNICATION
(22) 23.09.2014	11.01.2016	USING MOBILE ORIGINATED SHORT
(54) RESOURCE LOCATORS WITH KEYS	(33) United States of America	MESSAGING SERVICE WITHOUT
(73) Amazon Technologies, Inc.	United States of America	MOBILE STATION INTERNATIONAL
(72) ROTH, Gregory Branchek	(47) 02.02.2022	SUBSCRIBER DIRECTORY NUMBER
BRANDWINE, Eric Jason	(51) H04L 12/46	(73) Nokia Solutions and Networks Oy
(74) ir. W.J.J.M. Kempes	H04W 84/18	(72) JONG-A-KIEM, Raymond
(31) 201314037282	H04W 84/12	CHANDRAMOULI, Devaki
(32) 25.09.2013	H04L 29/12	WONG, Curt
(33) United States of America	(11) EP3707860	WIEHE, Ulrich
(47) 09.02.2022	(21) EP18839786.3	(74) ir. W.J.J.M. Kempes
(51) H04L 12/24	(22) 12.12.2018	(31) 201662359508 P
H04L 29/12	(54) WIRELESS MESH ACCESS POINT	(32) 07.07.2016
H04L 12/28	WITH USER-SPACE TUNNELING	(33) United States of America
H04W 36/08	(73) Google LLC	(47) 02.03.2022
H04W 84/12	(72) YAN, Kan	(51) H04L 29/06
H04W 36/38	(74) dr. R.C. van Duijvenbode c.s.	H04N 21/24
(11) EP3267623	(31) 201816215382	(11) EP2974207
(21) EP16185631.5	201762598761 P	(21) EP14715789.5
(22) 25.08.2016	(32) 10.12.2018	(22) 13.03.2014
(54) SYSTEM AND METHOD FOR	14.12.2017	(54) PLAYBACK STALL AVOIDANCE IN
TOPOLOGY MANAGEMENT IN LOCAL	(33) United States of America	ADAPTIVE MEDIA STREAMING
AREA NETWORK	United States of America	(73) DISH Technologies L.L.C.
(73) Arcadyan Technology Corporation	(47) 02.02.2022	(72) HURST, Mark B.
(72) CHEN, Chun-Ping	(51) H04L 27/26	MUHLESTEIN, Herrick
HSIEH, Tsung-Hsien	H04L 5/00	(74) dr. W.A.H.M. Van Borm
LIU, Fa-Chiang	(11) EP3484111	(31) 201313843411
LEE, Chih-Fang	(21) EP17824034.7	(32) 15.03.2013
(74) dr. ir. G.J.C. Verdijck c.s.	(22) 23.06.2017	(33) United States of America
(31) 105119118	(54) TRANSMITTING DEVICE,	(47) 05.01.2022
(32) 17.06.2016	TRANSMITTING METHOD, RECEIVING	(51) H04L 29/08
(33) Taiwan, Province of China	DEVICE AND RECEIVING METHOD	H04L 29/12
(47) 02.03.2022	(73) Sony Semiconductor Solutions	H04L 29/06
(51) H04L 12/28	Corporation	(11) EP3754520
H04L 12/741	(72) MICHAEL, Lachlan Bruce	(21) EP20190267.3
H04L 12/707	TAKAHASHI, Kazuyuki	(22) 16.08.2018
G08B 13/196	OKADA, Satoshi	(54) METHOD FOR IMPROVING CONTENT
(11) EP3224993	(74) ir. W.J.J.M. Kempes	FETCHING BY SELECTING TUNNEL
(21) EP15805350.4	(31) 2016135710	DEVICES
(22) 18.11.2015	(32) 08.07.2016	(73) BRIGHT DATA LTD
(54) IMPROVEMENTS IN COMMUNICATION	(33) Japan	(72) VILENSKI, Ofer
SYSTEMS	(47) 09.03.2022	SHRIBMAN, Derry
(73) Carrier Corporation	(51) H04L 29/06	(74) ir. M.B. Plaggenborg
(72) JOHAN, Ron	G06F 8/65	(31) 201862684211 P
WU, Daniel Ming On	G06F 21/57	201862624208 P
DAHER, Gabriel	H04L 12/24	201762563157 P
(74) J.M.H. Duyver lic.	H04L 12/26	201762550834 P
(31) 201462083538 P	(11) EP3758326	(32) 13.06.2018
(32) 24.11.2014	(21) EP20163540.6	31.01.2018
(33) United States of America	(22) 17.03.2020	26.09.2017
(47) 02.03.2022	(54) SECURE UPDATING OF COMPUTING	28.08.2017
(51) H04L 12/46	SYSTEM FIRMWARE	(33) United States of America
H04L 12/715	(73) INTEL Corporation	United States of America
H04L 12/24	(72) Kotary, Karunakara	United States of America
H04L 12/723	Dewan, Prashant	United States of America
(11) EP3731467	(74) ir. W.J.J.M. Kempes	(47) 02.02.2022
(21) EP20177849.5	(31) 201916457324	(51) H04L 29/08
(22) 30.12.2016	(32) 28.06.2019	H04W 8/00
(54) METHOD OF ESTABLISHING	(33) United States of America	H04W 4/80
RELATIONSHIPS BETWEEN SETS	(47) 23.02.2022	(11) EP3205176
OF LABEL SWITCHED PATHS AND	(51) H04L 29/06	(21) EP15848371.9
VIRTUAL NETWORKS	H04L 12/58	(22) 19.06.2015
(73) Huawei Technologies Co. Ltd.	H04L 12/66	(54) SYSTEMS AND METHODS FOR
(72) DHODY, Dhruv	H04W 4/14	PORTABLE STORAGE DEVICES

(73) Fasetto, Inc.	(11) EP2719178	PIHL, Michael Johannes
(72) CHRISTMAS, Coy	(21) EP12727763.0	MOSGAARD, Lars Dalskov
MALPASS, Luke	(22) 08.06.2012	(74) J.M.H. Duyver lic.
(74) ir. H.A. Witmans c.s.	(54) MACROBLOCK-LEVEL ADAPTIVE	(31) PA201800465
(31) 201462060379 P	QUANTIZATION IN QUALITY-AWARE	PA201800462
(32) 06.10.2014	VIDEO OPTIMIZATION	PA201700612
(33) United States of America	(73) Citrix Systems, Inc.	PA201700611
(47) 29.12.2021	(72) PENNER, Andrew	(32) 15.08.2018
(51) H04M 11/02	TIDEMANN, Jeremy	15.08.2018
H04L 12/28	(31) 201161495951 P	31.10.2017
(11) EP3769503	(32) 10.06.2011	31.10.2017
(21) EP19711141.2	(33) United States of America	(33) Denmark
(22) 21.03.2019	(47) 16.02.2022	Denmark
(54) NETWORK-ENABLED DOOR STATION	(51) H04N 19/31	Denmark
EXTENDER	H04N 19/423	Denmark
(73) Bird Home Automation GmbH	(11) EP3700212	(47) 23.02.2022
(72) KELLER, Sascha	(21) EP20153627.3	(51) H04S 3/00
MÜLLER, Bernd Georg	(22) 12.01.2012	H04S 7/00
(74) ir. H.J.G. Lips c.s.	(54) METHOD, APPARATUS AND	(11) EP2727381
(31) 201862646471 P	COMPUTER PROGRAM FOR	(21) EP12738278.6
18169939	TEMPORAL PREDICTION IN	(22) 27.06.2012
(32) 22.03.2018	SCALABLE VIDEO CODING	(54) APPARATUS AND METHOD FOR
27.04.2018	(73) Sun Patent Trust	RENDERING AUDIO OBJECTS
(33) United States of America	(72) SHIBAHARA, Youji	(73) Dolby Laboratories Licensing Corporation
European Patent Office (EPO)	SUGIO, Toshiyasu	(72) SCHARPF, Jurgen W.
(47) 05.01.2022	SASAI, Hisao	TSINGOS, Nicolas R.
(51) H04N 17/00	NISHI, Takahiro	ROBINSON, Charles Q.
G06T 5/00	(74) ir. W.J.J.M. Kempes	(74) J.M.H. Duyver lic.
G06K 9/40	(31) 201161437145 P	(31) 201261636102 P
H04N 19/597	201161432683 P	201161504005 P
H04N 19/176	(32) 28.01.2011	(32) 20.04.2012
H04N 19/61	14.01.2011	01.07.2011
H04N 19/117	(33) United States of America	(33) United States of America
H04N 19/182	United States of America	United States of America
H04N 19/80	(47) 23.03.2022	(47) 26.01.2022
H04N 19/436	(51) H04R 3/00	(51) H04S 5/00
H04N 19/86	H04R 1/10	(11) EP3406088
H04N 19/36	H04R 1/40	(21) EP17741145.1
G06T 7/00	H04R 3/02	(22) 04.01.2017
(11) EP3748963	H04R 3/12	(54) SYNTHESIS OF SIGNALS FOR
(21) EP20185680.4	G10K 11/178	IMMERSIVE AUDIO PLAYBACK
(22) 02.12.2011	H04R 5/033	(73) Sphereo Sound Ltd.
(54) IMAGE PROCESSING DEVICE AND	(11) EP3238466	(72) MOR, Yoav
IMAGE PROCESSING METHOD	(21) EP15873755.1	KOHN, Benjamin
(73) Sony Group Corporation	(22) 23.12.2015	ETLIN, Alex
(72) Morigami, Yoshitaka	(54) METHOD AND SYSTEM FOR AUDIO	(74) ir. W.J.J.M. Kempes
Tanaka, Junichi	SHARING	(31) 201662432578 P
Ikeda, Masaru	(73) Degraye, Timothy	201662400699 P
(74) ir. W.J.J.M. Kempes	Huguet, Liliane	201662280134 P
(31) 2011117557	(72) Huguet, Liliane	(32) 11.12.2016
2011045652	Degraye, Timothy	28.09.2016
2011004391	(74) ir. W.J.J.M. Kempes	19.01.2016
2010272907	(31) 201462096209 P	(33) United States of America
(32) 26.05.2011	(32) 23.12.2014	United States of America
02.03.2011	(33) United States of America	United States of America
12.01.2011	(47) 16.03.2022	(47) 02.03.2022
07.12.2010	(51) H04R 25/00	(51) H04W 4/00
(33) Japan	H04S 1/00	H04B 7/26
Japan	(11) EP3704873	(11) EP2525511
Japan	(21) EP18796004.2	(21) EP11733085.2
Japan	(22) 30.10.2018	(22) 13.01.2011
(47) 02.03.2022	(54) METHOD OF OPERATING A HEARING	(54) MEASUREMENT APPARATUS AND
(51) H04N 19/176	AID SYSTEM AND A HEARING AID	METHOD FOR THE COMMUNICATION
H04N 19/124	SYSTEM	OF AN IDLE MODE DEVICE HAVING
H04N 19/136	(73) Widex A/S	LOW MOBILITY IN A MOBILE
H04N 19/146	(72) PELEGRIN-GARCIA, David	COMMUNICATION SYSTEM
H04N 19/154	ELMEDYB, Thomas Bo	(73) Samsung Electronics Co., Ltd.
H04N 19/40	MOWLAEE, Pejman	(72) JEONG, Kyeong In

KIM, Soeng Hun	(22) 16.01.2015	(31) 201514671840
JUNG, Jung Soo	(54) METHOD AND APPARATUS FOR	201462035807 P
KIM, Sang Bum	TRANSFERRING RADIO SERVICE	(32) 27.03.2015
(74) dr. R.C. van Duijvenbode c.s.	BETWEEN TRANSMISSION POINTS	11.08.2014
(31) 20100004052	(73) Telefonaktiebolaget LM Ericsson (publ)	(33) United States of America
(32) 15.01.2010	(72) ERIKSSON, Erik	United States of America
(33) Korea (Republic)	BERGLUND, Joel	(47) 16.02.2022
(47) 02.03.2022	FRENGER, Pål	(51) H04W 52/02
(51) H04W 12/00	HESSLER, Martin	H04L 5/00
H04W 12/08	(74) ir. A. Blokland c.s.	H04W 72/02
H04W 4/70	(47) 09.03.2022	(11) EP2904755
H04L 29/08	(51) H04W 36/00	(21) EP13843918.7
(11) EP3729848	H04W 28/02	(22) 29.06.2013
(21) EP18836436.8	H04W 76/12	(54) APPARATUS FOR FREQUENCY
(22) 18.12.2018	H04W 76/34	SELECTIVE TRANSMISSION
(54) METHODS TO ENABLE CONTEXT	H04W 40/36	(73) Intel Corporation
AWARE AUTHORIZATION FOR DATA	(11) EP3598838	(72) KENNEY, Thomas
OR SERVICES IN THE IOT/M2M	(21) EP18843032.6	STEPHENS, Adrian
SERVICE LAYER	(22) 10.08.2018	AZIZI, Shahrnaz
(73) Convida Wireless, LLC	(54) DATA TRANSMISSION METHODS,	PARK, Minyoung
(72) LY, Quang	DATA TRANSMISSION APPARATUS	PERAHIA, Eldad
MLADIN, Catalina, Mihaela	AND NON-TRANSITORY COMPUTER	(74) ir. W.J.J.M. Kempes
FLYNN, William, Robert, IV	READABLE MEDIUM	(31) 201213730997
SEED, Dale, N.	(73) Huawei Technologies Co., Ltd.	201261710400 P
CHEN, Zhuo	(72) ZHANG, Hongping	(32) 29.12.2012
DI GIROLAMO, Rocco	ZENG, Qinghai	05.10.2012
(74) ir. W.J.J.M. Kempes	DAI, Mingzeng	(33) United States of America
(31) 201762607006 P	WANG, Rui	United States of America
(32) 18.12.2017	HAN, Lifeng	(47) 16.02.2022
(33) United States of America	(74) ir. W.J.J.M. Kempes	(51) H04W 52/08
(47) 09.02.2022	(31) 201710687846	H04W 52/14
(51) H04W 12/069	(32) 11.08.2017	H04W 52/22
G06F 21/12	(33) China	H04W 52/36
(11) EP3495974	(47) 09.03.2022	H04B 7/06
(21) EP19153102.9	(51) H04W 36/00	H04W 52/16
(22) 30.03.2011	H04W 76/16	H04W 52/32
(54) ENABLING A SOFTWARE	H04W 76/15	H04W 52/06
APPLICATION TO BE EXECUTED ON A	H04W 88/06	(11) EP3711375
MOBILE STATION	(11) EP3858088	(21) EP18804599.1
(73) Irdeto B.V.	(21) EP19773962.6	(22) 16.11.2018
(72) DOUMEN, Jeroen Mathias	(22) 18.09.2019	(54) LIMITING ACCUMULATION OF
(74) dr. R.C. van Duijvenbode c.s.	(54) A RADIO NETWORK NODE, A	TRANSMIT POWER CONTROL IN
(47) 16.02.2022	WIRELESS DEVICE AND METHODS	BEAM-SPECIFIC POWER CONTROL
(51) H04W 24/10	THEREIN FOR RESUMING A RADIO	(73) Telefonaktiebolaget LM Ericsson (publ)
H04W 72/04	CONNECTION	(72) NORRY, Ravikiran
H04B 7/06	(73) TELEFONAKTIEBOLAGET LM	WERNERSSON, Niklas
H04L 1/00	ERICSSON (PUBL)	(74) ir. A. Blokland c.s.
H04L 5/00	(72) MILDH, Gunnar	(31) 201762587869 P
H04B 7/08	DA SILVA, Icaro L. J.	(32) 17.11.2017
(11) EP3562201	RUGELAND, Patrik	(33) United States of America
(21) EP18817412.2	(74) ir. A. Blokland c.s.	(47) 05.01.2022
(22) 15.06.2018	(31) 201862735872 P	(51) H04W 52/36
(54) TRANSMISSION METHOD, NETWORK	(32) 25.09.2018	H04W 52/32
DEVICE, AND TERMINAL	(33) United States of America	H04W 52/34
(73) Huawei Technologies Co., Ltd.	(47) 09.03.2022	H04W 52/14
(72) ZHANG, Di	(51) H04W 48/16	(11) EP3665972
LIU, Jianqin	H04W 56/00	(21) EP18742662.2
(74) ir. W.J.J.M. Kempes	(11) EP3180946	(22) 25.06.2018
(31) 201710459498	(21) EP15831472.4	(54) POWER RESERVATION AND
(32) 16.06.2017	(22) 17.06.2015	DROPPING RULES FOR
(33) China	(54) SYSTEM DETECTION IN A HIGH	TRANSMISSION TIME INTERVALS
(47) 09.03.2022	FREQUENCY BAND RADIO ACCESS	(73) QUALCOMM INCORPORATED
(51) H04W 36/00	TECHNOLOGY ARCHITECTURE	(72) AKULA, Prashanth
H04W 24/02	(73) Intel Corporation	Ji, Tingfang
H04J 11/00	(72) JUNG, Hyejung	GAAL, Peter
H04W 72/04	ZONG, Pingping	HOSSEINI, Seyedkianoush
(11) EP3245812	LI, Qinghua	CHO, Young Geun
(21) EP15878178.1	(74) ir. W.J.J.M. Kempes	(74) dr. R.C. van Duijvenbode c.s.

(31) 201816016187 201762543620 P	(22) 09.03.2018	(51) H04W 74/08
(32) 22.06.2018 10.08.2017	(54) RESOURCE ALLOCATION AND MODE CONFIGURATION FOR WIDE COVERAGE ENHANCEMENT	(11) EP3709757
(33) United States of America United States of America	(73) Intel Corporation	(21) EP20171195.9
(47) 02.03.2022	(72) TALARICO, Salvatore	(22) 04.09.2018
(51) H04W 56/00	NIU, Huaning	(54) CONFIGURING RANDOM ACCESS CHANNELS FOR WIRELESS COMMUNICATIONS
H04L 27/26	CHANG, Wenting	(73) Telefonaktiebolaget LM Ericsson (publ)
H04B 7/06	YE, Qiaoyang	(72) AXNÄS, Johan
H04J 11/00	(74) ir. W.J.J.M. Kempes	SAHLIN, Henrik
H04L 5/00	(31) 201762476591 P	(74) ir. A. Blokland c.s.
(11) EP3626002	PCT/CN2017/077121	(31) 201762567168 P
(21) EP18727508.6	(32) 24.03.2017	(32) 02.10.2017
(22) 04.05.2018	17.03.2017	(33) United States of America
(54) TECHNIQUES AND APPARATUSES FOR REUSING REMAINING MINIMUM SYSTEM INFORMATION CONFIGURATION BITS TO SIGNAL A SYNCHRONIZATION SIGNAL BLOCK LOCATION	(33) United States of America World Intellectual Property Office (WIPO)	(47) 16.03.2022
(73) QUALCOMM Incorporated	(47) 16.02.2022	(51) H04W 74/08
(72) LY, Hung	(51) H04W 72/04	H04W 28/06
SADIQ, Bilal	H04W 72/02	(11) EP3621347
JOHN WILSON, Makesh Pravin	(11) EP3547778	(21) EP17908417.3
LEE, Heechoon	(21) EP18736520.0	(22) 02.05.2017
CHEN, Wanshi	(22) 03.01.2018	(54) USER EQUIPMENT, BASE STATION, AND RANDOM ACCESS METHOD
LUO, Tao	(54) INFORMATION TRANSMISSION AND RECEPTION METHOD AND DEVICE FOR V2X COMMUNICATION IN COMMUNICATION SYSTEM	(73) NTT DOCOMO, INC.
GAAL, Peter	(73) Samsung Electronics Co., Ltd.	(72) OHARA, Tomoya
ISLAM, Muhammad Nazmul	(72) KWON, Sangwook	HARADA, Hiroki
(74) dr. R.C. van Duijvenbode c.s.	MOK, Youngjoong	(74) mr. drs. L. van Wezenbeek
(31) 201815968569	HWANG, June	(47) 02.03.2022
201862710295 P	KANG, Hyunjeong	(51) H04W 74/08
201762595028 P	(74) dr. R.C. van Duijvenbode c.s.	H04W 74/00
201762591116 P	(31) 20170036009	(11) EP3417666
201762506960 P	20170015196	(21) EP16890801.0
(32) 01.05.2018	20170000955	(22) 21.12.2016
16.02.2018	(32) 22.03.2017	(54) A METHOD FOR DETERMINING PARAMETERS FOR TRANSMITTING ON AN UPLINK CONTROL CHANNEL
05.12.2017	02.02.2017	(73) Telefonaktiebolaget LM Ericsson (publ)
27.11.2017	03.01.2017	(72) DRUGGE, Oskar
16.05.2017	(33) Korea (Republic)	WITTENMARK, Emma
(33) United States of America	Korea (Republic)	SAHLIN, Henrik
United States of America	Korea (Republic)	WIEMANN, Henning
United States of America	(47) 02.03.2022	MUKHERJEE, Amitav
United States of America	(51) H04W 72/04	(74) ir. A. Blokland c.s.
(47) 02.03.2022	H04W 72/12	(31) 201662296745 P
(51) H04W 72/04	H04L 1/00	(32) 18.02.2016
(11) EP3569024	H04L 1/16	(33) United States of America
(21) EP18703398.0	H04W 52/32	(47) 16.02.2022
(22) 12.01.2018	H04W 52/34	(51) H04W 76/25
(54) CONFIGURATION OF CONTROL RESOURCES	H04L 5/00	H04W 76/38
(73) Qualcomm Incorporated	(11) EP3636021	H04W 8/08
(72) SUN, Jing	(21) EP18737080.4	H04W 76/10
CHEN, Wanshi	(22) 08.06.2018	H04W 76/27
LEE, Heechoon	(54) TRANSMISSION OF UPLINK CONTROL INFORMATION IN NEW RADIO	(11) EP3579656
(74) dr. R.C. van Duijvenbode c.s.	(73) Qualcomm Incorporated	(21) EP18764214.5
(31) 201815868545	(72) CHEN, Wanshi	(22) 08.03.2018
201762446268 P	HUANG, Yi	(54) METHODS AND DEVICE FOR KEEPING MOBILE INITIATED CONNECTION ONLY MODE USER EQUIPMENT IN CONNECTED MODE
(32) 11.01.2018	GAAL, Peter	(73) Samsung Electronics Co., Ltd.
13.01.2017	WANG, Renqiu	(72) LEE, Hyeon
(33) United States of America	SORIAGA, Joseph Binamira	BAEK, Youngkyo
United States of America	(74) dr. R.C. van Duijvenbode c.s.	KIM, Sunghoon
(47) 23.02.2022	(31) 201816002912	SON, Jungje
(51) H04W 72/04	201762517090 P	(74) dr. R.C. van Duijvenbode c.s.
(11) EP3596987	(32) 07.06.2018	(31) 20170090961
(21) EP18716392.8	08.06.2017	20170056430
	(33) United States of America	20170030561
	United States of America	(32) 18.07.2017
	(47) 02.03.2022	

02.05.2017	(54) METHOD AND APPARATUS FOR	H01P 1/30
10.03.2017	CREATING, DISTRIBUTING AND	H01P 3/06
(33) Korea (Republic)	DYNAMICALLY REPRODUCING ROOM	H01P 5/02
Korea (Republic)	ILLUMINATION EFFECTS	H01P 5/08
Korea (Republic)	(73) InterDigital Madison Patent Holdings,	H05H 13/04
(47) 23.02.2022	SAS	H05H 7/02
(51) H04W 76/27	(72) REINHARD, Erik	(11) EP3598852
H04W 4/70	GUILLLOTEL, Philippe	(21) EP18788402.8
H04W 76/30	ZEPEDA SALVATIERRA, Joaquin	(22) 22.03.2018
H04W 52/02	ALAIN, Martin	(54) HIGH-FREQUENCY COUPLER
H04W 56/00	THOREAU, Dominique	(73) Mitsubishi Heavy Industries Machinery
(11) EP3520545	BEGAIN, Jean	Systems, Ltd.
(21) EP17854304.7	(31) 16306579	(72) HIGA, Kyusaku
(22) 29.09.2017	(32) 30.11.2016	(74) dr. R.C. van Duijvenbode c.s.
(54) METHOD AND APPARATUS FOR USER	(33) European Patent Office (EPO)	(31) 2017084631
EQUIPMENT ACCESS TO A WIRELESS	(47) 05.01.2022	(32) 21.04.2017
COMMUNICATION SYSTEM	(51) H05B 47/16	(33) Japan
(73) Sierra Wireless, Inc.	(11) EP3847869	(47) 23.02.2022
(72) BENNETT, Steven John	(21) EP19758766.0	(51) H05K 13/00
CIRIK, Ali Cagatay	(22) 29.08.2019	H05K 13/08
MYSORE BALASUBRAMANYA, Naveen	(54) ACTIVATING A LIGHT SOURCE IN	H05K 13/04
LAMPE, Lutz Hans-Joachim	DEPENDENCE ON PREVIOUS POWER	(11) EP3606312
VOS, Gustav Gerald	CYCLE DURATION	(21) EP17902896.4
(74) dr. ir. G.J.C. Verdijk c.s.	(73) Signify Holding B.V.	(22) 30.03.2017
(31) 201662402780 P	(72) VAN DER HAM, Marcel	(54) MOUNTING SYSTEM AND REPORTING
(32) 30.09.2016	(31) 18192259	CONTROL DEVICE
(33) United States of America	(32) 03.09.2018	(73) Fuji Corporation
(47) 29.12.2021	(33) European Patent Office (EPO)	(72) NOZAWA, Mizuho
(51) H05B 45/325	(47) 16.03.2022	(74) dr. R.C. van Duijvenbode c.s.
H05B 45/20	(51) H05B 47/19	(47) 26.01.2022
H05B 45/46	(11) EP3815470	
(11) EP3446546	(21) EP19729558.7	
(21) EP17715475.4	(22) 13.06.2019	
(22) 04.04.2017	(54) A SYSTEM FOR CONFIGURING A	
(54) A METHOD OF CONTROLLING A	LIGHTING DEVICE	
LIGHTING ARRANGEMENT AND A	(73) Signify Holding B.V.	
LIGHTING CONTROL CIRCUIT	(72) MEKENKAMP, Gerhardus, Engbertus	
(73) Signify Holding B.V.	MEERBEEK, Berent, Willem	
(72) VAN DER HAM, Marcel	(31) 18179776	
DE JONG, Lambertus, Adrianus, Marinus	(32) 26.06.2018	
ZIJLMAN, Theo, Gerrit	(33) European Patent Office (EPO)	
VAN KAATHOVEN, Dirk, Jan	(47) 23.02.2022	
(31) 16166560	(51) H05H 1/24	
(32) 22.04.2016	H01J 37/32	
(33) European Patent Office (EPO)	A61L 2/14	
(47) 26.01.2022	A61N 5/06	
(51) H05B 47/10	A61B 18/00	
H05B 45/20	A61B 18/04	
H05B 47/19	A61B 18/14	
(11) EP3791693	(11) EP3192333	
(21) EP19722127.8	(21) EP15794058.6	
(22) 07.05.2019	(22) 25.08.2015	
(54) A LIGHTING SYSTEM	(54) ELECTRODE ARRANGEMENT FOR	
(73) Signify Holding B.V.	FORMING A DIELECTRIC BARRIER	
(72) OLDENBURGER, David	PLASMA DISCHARGE	
KOOY, Gerrit, Jacob	(73) Cinogy GmbH	
POLMAN, Robertus, Johannes	(72) SCHÄFER, Annika	
(31) 18177671	HAHN, Mirko	
18171295	TRUTWIG, Leonhard	
(32) 14.06.2018	KOPP, Matthias	
08.05.2018	WANDKE, Dirk	
(33) European Patent Office (EPO)	STORCK, Karl-Otto	
European Patent Office (EPO)	(74) dr. R.C. van Duijvenbode c.s.	
(47) 02.03.2022	(31) 102014013716	
(51) H05B 47/155	(32) 11.09.2014	
(11) EP3549407	(33) Germany	
(21) EP17808056.0	(47) 05.01.2022	
(22) 28.11.2017	(51) H05H 7/18	

EP4

Voor Nederland verleende gewijzigde Europese octrooien.

Contains data concerning European patents granted in amended form (B2 or B3 publications).

(51) A21D 2/16	(33) Germany	(21) EP12188975.2
A23D 9/00	(47) 22.02.2017	(22) 30.11.2009
C11C 3/10	(51) B66B 5/06	(54) Method and apparatus for reducing stick-slip
(11) EP2194792	B66B 5/02	(73) National Oilwell Varco, L.P.
(21) EP08773929.8	H02J 9/06	(72) Kyllingstad, Åge
(22) 09.07.2008	(11) EP2640656	Nessjoen, Pål Jacob
(54) COMPOSITION SUITABLE FOR USE IN BAKING	(21) EP11841450.7	(31) 0907760
(73) Bunge Lodders Croklaan B.V.	(22) 02.11.2011	PCT/GB2008/051144
(74) dr. W.A.H.M. Van Borm	(54) BACKUP CIRCUIT FOR ELECTRICITY SUPPLY, ELEVATOR SYSTEM, AND METHOD	(32) 07.05.2009
(72) KAZIER, Harold	(73) Kone Corporation	02.12.2008
HERZING, Anthony, George	(74) ir. A. Blokland c.s.	(33) United Kingdom
MCNEILL, Gerald, Patrick	(72) KATTAINEN, Ari	World Intellectual Property Office (WIPO)
(31) 878715	KETONEN, Ari	(47) 27.08.2014
(32) 26.07.2007	SAARELAINEN, Antti	(51) H05H 1/46
(33) United States of America	(31) 20106215	C01B 32/182
(47) 20.02.2019	(32) 18.11.2010	(11) EP3167694
(51) B42D 25/405	(33) Finland	(21) EP15730237.3
B42D 25/415	(47) 04.07.2018	(22) 12.06.2015
B42D 25/43	(51) C08B 30/12	(54) APPARATUS AND METHOD FOR PLASMA SYNTHESIS OF GRAPHITIC PRODUCTS INCLUDING GRAPHENE
B42D 25/40	C08B 30/14	(73) LEVIDIAN NANOSYSTEMS LIMITED
B42D 25/445	(11) EP2904017	(74) ir. F.A. Geurts c.s.
B42D 25/45	(21) EP13771582.7	(72) JOAUG, Jerome Yi-Zhe
B42D 25/29	(22) 02.10.2013	JUDA, Katarzyna Luiza
B42D 25/355	(54) PROCESS FOR PREPARING AN INHIBITED STARCH	CLAYTON, Aaron Robert
(11) EP3074239	(73) Tate & Lyle Ingredients Americas LLC	KOZIOL, Krzysztof Kazimierz
(21) EP14805273.1	(74) ir. H.A. Witmans c.s.	PAUKNER, Catharina
(22) 28.11.2014	(72) HUTTON, Thomas K	PENNINGTON, Dale Andrew
(54) MULTI-LAYER BODY AS SECURITY ELEMENT AND METHOD FOR THE PRODUCTION THEREOF	SANTHANAM, Balaji	ST. JOHN COOPER, Robert Henry
(73) Leonhard Kurz Stiftung & Co. KG	(31) 201261708841 P	KURZEPA, Lukasz
OVD Kinegram AG	(32) 02.10.2012	(31) 201410639
(74) ir. A. Blokland c.s.	(33) United States of America	(32) 13.06.2014
(72) KRÄMER, Patrick	(47) 14.02.2018	(33) United Kingdom
BREHM, Ludwig	(51) C11D 11/00	(47) 02.05.2018
FÖRSTER, Karin	C11D 1/83	
STAUB, René	C11D 3/20	
SPIESS, Rouven	C11D 3/37	
(31) 102013113283	C11D 3/42	
(32) 29.11.2013	C11D 3/33	
(33) Germany	C11D 3/39	
(47) 19.12.2018	(11) EP2711413	
(51) B61H 11/00	(21) EP13401032.1	
B61L 25/02	(22) 08.04.2013	
B61K 7/12	(54) Washing agent and method for metering a washing agent	
B61J 3/02	(73) Miele & Cie. KG	
B61L 17/00	Dalli-Werke GmbH & Co. KG	
(11) EP2720926	(72) Dichter, Jessica	
(21) EP12734887.8	Wolff-Schladitz, Bernd	
(22) 04.07.2012	Souren, Jürgen	
(54) METHOD FOR OPERATING A SWITCHING HUMP YARD, AND CONTROL DEVICE FOR A SWITCHING HUMP YARD	Strothoff, Werner	
(73) Siemens Mobility GmbH	(31) 12401198	
(72) KUEHS, Peter	(32) 25.09.2012	
(31) 102011079501	(33) European Patent Office (EPO)	
(32) 20.07.2011	(47) 28.11.2018	
	(51) E21B 44/00	
	G05D 19/02	
	(11) EP2549055	

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) A01K 39/01	(47) 02.05.2018	BRUEGGEMANN, Marianne
A01K 39/012	(51) B65D 63/10	(74) ir. W.J.J.M. Kempes
(11) EP3142482	B65D 65/46	(47) 05.09.2018
(21) EP15723677.9	B29D 29/00	(51) C08F 2/01
(22) 11.05.2015	(11) EP2484602	B01J 19/24
(54) POULTRY FEEDING SYSTEM HAVING	(21) EP11153390.7	(11) EP3377537
WALLS WHICH DELIMIT OR EXTEND	(22) 04.02.2011	(21) EP16797866.7
THROUGH A FEEDING SPACE AT	(54) Straps made of renewable materials	(22) 16.11.2016
LEAST PARTLY PROVIDED WITH	(73) Mosca GmbH	(54) POLYMERIZATION PROCESS WITH A
SHARP-EDGED LINE-ELEVATIONS	(72) Eberle, Ulrich, Dr.	PARTIAL SHUTDOWN PHASE
(73) Roxell BVBA	(74) ir. C.G.C. Veldman-Dijkers	(73) Basell Polyolefine GmbH
(72) KEIRSE, Philippe Hyppoliet Pia Maria	(47) 24.08.2016	(72) NEUMANN, Erich
(74) ir. J.C. Volmer c.s.	(51) C07K 14/725	WOLF, Christoph
(31) 2012824	C07K 14/47	WOLFRAM, Sven
(32) 16.05.2014	A61P 35/00	MOHRBUTTER, Juergen
(33) Netherlands	A61K 35/26	LITTMANN, Dieter
(47) 07.03.2018	(11) EP3126381	(74) dr. R.C. van Duijvenbode c.s.
(51) B21D 11/07	(21) EP15712657.4	(31) 15195082
B21D 11/10	(22) 30.03.2015	(32) 18.11.2015
B21F 1/00	(54) CLAUDIN-6-SPECIFIC	(33) European Patent Office (EPO)
B21F 1/04	IMMUNORECEPTORS AND T CELL	(47) 13.03.2019
(11) EP2789406	EPITOPES	(51) C22C 21/00
(21) EP14001045.5	(73) Biontech Cell&Gene Therapies GmbH	C22C 21/06
(22) 21.03.2014	TRON - Translationale Onkologie	C22F 1/04
(54) Bending machine	an der Universitätsmedizin der	C22F 1/047
(73) Progress Holding A.G.	Johannes Gutenberg- Universität Mainz	B41N 1/08
(72) Stofner, Helmut	gemeinnützige GmbH	(11) EP2192202
Nussbaumer, Erich	Ganymed Pharmaceuticals GmbH	(21) EP08105850.5
(74) J.M.H. Duyver lic.	(72) HOFF, Holger	(22) 21.11.2008
(31) 2972013	BREITKREUZ, Andrea	(54) Aluminium sheet for lithographic printing
(32) 12.04.2013	HOBHOM, Kathleen	plate support having high resistance to
(33) Austria	TÜRECI, Özlem	bending cycles
(47) 04.07.2018	OMOKOKO, Tana	(73) Hydro Aluminium Rolled Products GmbH
(51) B29B 7/60	VOSS, Ralf-Holger	(72) Steinhoff, Gerd
B29B 7/72	MROZ, Karolina, Anna	Kernig, Bernhard
B29C 47/10	SIMON, Petra	Settele, Christoph
B29B 9/06	SAHIN, Ugur	Brinkman, Henk-Jan
C08J 3/20	(74) dr. A. Krebs	Hasenclever, Jochen
G05D 11/13	(31) PCT/EP2014/072864	(74) ir. A. Blokland c.s.
B29B 7/38	PCT/EP2014/000868	(47) 06.07.2016
B29C 47/00	(32) 24.10.2014	(51) H05B 37/02
B29C 47/92	01.04.2014	(11) EP1842399
(11) EP3186052	(33) World Intellectual Property Office (WIPO)	(21) EP05815525.0
(21) EP15805443.7	World Intellectual Property Office (WIPO)	(22) 02.12.2005
(22) 03.12.2015	(47) 16.01.2019	(54) LIGHTING APPARATUS AND METHOD
(54) PROCESS FOR PREPARING	(51) C07K 16/46	(73) Signify Holding B.V.
POLYOLEFIN PELLETS OF A	C12N 7/00	(72) Hayes, Stephen Bryce
POLYOLEFIN COMPOSITION	C12N 15/00	(74) drs. O. Griebeling
(73) Basell Polyolefine GmbH	(11) EP3209698	(31) 0427744
(72) KRUEMPEL, Peter	(21) EP14790686.1	(32) 20.12.2004
DAMM, Elke	(22) 22.10.2014	(33) United Kingdom
PRANG, Harald	(54) TRANSGENIC MICE	(47) 04.10.2017
KUEHL, Reinhard	(73) Crescendo Biologics Limited	(51) H05B 47/155
(74) dr. R.C. van Duijvenbode c.s.	(72) TENG, Yumin	H05B 47/13
(31) 14196371	ROMANOS, Mike	(11) EP2534929
(32) 04.12.2014	YOUNG, Joyce	(21) EP11706345.3
(33) European Patent Office (EPO)	MCGUINNESS, Brian	(22) 28.01.2011

(54) PRESENCE DETECTION SYSTEM
AND LIGHTING SYSTEM COMPRISING
SUCH SYSTEM

(73) Signify Holding B.V.

(72) KNIBBE, Engel, Johannes
SREEDHARAN NAIR, Biju, Kumar
DELNOIJ, Roger, Peter, Anna
MILLS, John, Brean
KLEE, Mareike
PASVEER, Willem, Franke

(31) 10153063

(32) 09.02.2010

(33) European Patent Office (EPO)

(47) 13.03.2019

(51) H05B 47/175

(11) EP2805584

(21) EP13706728.6

(22) 11.01.2013

(54) METHODS AND APPARATUS FOR
MANAGEMENT OF OUTDOOR
LIGHTING NETWORKS

(73) Signify Holding B.V.

(72) CAVALCANTI, Dave Alberto Tavares
JIANG, Dan
YANG, Yong

(31) 201261588994 P

(32) 20.01.2012

(33) United States of America

(47) 03.04.2019

SPC**Ingeschreven en verleende certificaten.****Contains data concerning applications for- or granted Supplementary Protection Certificates.**

(21) 301160
(22) 31.01.2022
(11) 301160
(73) ORION CORPORATION
(74) ir. A. Blokland c.s.
(68) EP2834233
(54) NEW ALPHA2 ADRENOCEPTOR
AGONISTS
(94) 15.08.2036
(95) Tasipimidine, optioneel in de vorm van
een farmaceutisch aanvaardbaar zout
daarvan, in het bijzonder tasipimidine
sulfaat
(93) EU/2/21/276 16.08.2021
(47) 06.04.2022

(21) 301161
(22) 31.01.2022
(11) 301161
(73) Beigene, Ltd.
(74) ir. M.F.J.M. Ketelaars c.s.
(68) EP2989106
(54) FUSED HETEROCYCLIC COMPOUNDS
AS PROTEIN KINASE INHIBITORS
(94) 22.11.2036
(95) zanubrutinib, desgewenst in de vorm van
een farmaceutisch aanvaardbaar zout
(93) EU/1/21/1576 23.11.2021
(47) 06.04.2022

(21) 301168
(22) 11.04.2022
(11) 301168
(74) ir. H.A. Witmans c.s.
(68) EP3498732
(54) ANTI-NERVE GROWTH FACTOR
ANTIBODIES AND METHODS OF
PREPARING AND USING THE SAME
(94) 1381
(95) frunevetmab
(93) EU/2/20/269 18.02.2021

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) EP2287399
(51) D21H 21/42
(00) 24/21
16.06.2021

(11) EP3055603
(51) A47B 91/02
A47L 15/42
D06F 39/12
F16M 7/00

(00) 38/20
16.09.2020

(11) EP3331921
(51) A61K 31/733
C08B 37/00
(00) 22/21
02.06.2021

(11) EP3346003
(51) C12N 9/22
C12N 15/10
C12N 15/11
C12N 15/63
C12N 15/82

(00) 23/21
09.06.2021

(11) EP3553159
(51) C12M 1/00
C12M 1/12
C12M 1/34

(00) 23/21
09.06.2021

(11) EP3553160
(51) C12M 1/00
C12M 1/12
C12M 1/34
C12M 3/00

(00) 23/21
09.06.2021

(11) EP3668904
(51) C08F 2/01
C08F 10/02

(00) 23/21
09.06.2021

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) EP2400224	(51) B29C 49/00	(11) EP3273957
(51) A47L 15/42	B29C 49/04	(51) A61K 31/4188
D06F 39/00	B29K 23/00	A61P 25/28
F24C 7/08	C08F 210/06	(11) EP3338791
F24C 15/10	C08L 23/14	(51) A61K 38/18
(00) 33/16	(00) 40/19	A61P 9/00
17.08.2016	02.10.2019	(00) 18/21
(11) EP2488033	(11) EP3023110	12.05.2021
(51) A61K 31/506	(51) A61K 9/16	(00) 06.04.2022
A61K 31/519	A61K 31/496	(00) Positive
A61P 35/00	A61K 47/38	(11) EP3360402
(11) EP2506671	(00) 27/18	(51) A01C 5/06
(51) H05B 6/06	27.06.2018	A01C 7/20
H05B 6/12	(11) EP3023227	(11) EP3395339
(11) EP2607084	(51) B29C 67/00	(51) A61K 9/20
(51) B41J 2/175	(00) 46/18	A61K 9/28
(00) 2015/33	07.11.2018	A61K 31/135
12.08.2015	(11) EP3028536	A61P 5/18
(11) EP2650168	(51) H05B 6/06	(00) 08/20
(51) B60N 2/42	(11) EP3029381	19.02.2020
B60N 2/24	(51) F24C 15/10	(11) EP3397781
B60N 2/427	(00) 22/20	(51) B21B 45/02
(00) 46/17	27.05.2020	C21D 1/667
15.11.2017	(11) EP3050163	C21D 9/573
(11) EP2674480	(51) B23K 20/10	C21D 11/00
(51) C12M 1/04	B23K 101/38	(11) EP3448118
(11) EP2703728	H01R 4/18	(51) H05B 6/06
(51) F24C 7/08	H01R 4/62	
H05B 3/74	H01R 43/02	
H05B 6/06	H01R 43/048	
(00) 26/19	(00) 26/21	
26.06.2019	30.06.2021	
(11) EP2785828	(11) EP3065905	
(51) A61P 29/00	(51) B23D 21/00	
A61P 37/02	B23K 37/053	
C12N 1/20	(00) 49/19	
C12N 15/09	04.12.2019	
A61K 35/74	(00) 07.04.2022	
(11) EP2869844	(00) Positive	
(51) A61K 39/395	(11) EP3066888	
C07K 16/22	(51) H05B 6/06	
(11) EP2890329	(11) EP3070238	
(51) A61D 17/00	(51) E05B 63/14	
(11) EP2897588	E05C 9/00	
(51) A61K 9/00	(00) 26/19	
(00) 12/20	26.06.2019	
18.03.2020	(11) EP3150923	
(11) EP2980488	(51) F16K 1/12	
(51) F24C 7/08	F16K 11/048	
(11) EP2986917	F16K 41/10	
(51) F24C 7/08	F24D 3/10	
H05B 6/12	F24D 19/10	
(11) EP3013120	(00) 02/20	
(51) H05B 6/06	13.01.2020	
(11) EP3013902	(11) EP3196396	
	(51) E06B 3/263	
	E06B 3/54	

MED

Overige mededelingen.

Contains data concerning other communications.

(11) 2010796	(11) EP1262601	A61P 37/08
(00) 28.02.2022	(00) 28.02.2022	(00) Removed
(51) B09B 3/00	(51) E01D 19/06	(11) EP2319858
C04B 18/02	(00) Removed	(00) 22.02.2022
C04B 18/10	(11) EP1335929	(51) A61K 9/00
C04B 18/30	(00) 22.02.2022	A61K 31/58
(00) Removed	(51) C07J 71/00	A61K 47/12
(11) 2011813	(00) Removed	A61K 47/26
(00) 28.02.2022	(11) EP1545548	C07J 71/00
(51) E01F 9/08	(00) 22.02.2022	A61K 47/10
(00) Removed	(51) A61K 31/58	A61K 47/14
(11) 2011997	A61P 11/00	A61K 47/44
(00) 28.02.2022	A61P 37/08	(00) Removed
(51) E01F 9/06	(00) Removed	(11) EP2549055
E01F 9/08	(11) EP1572217	(51) E21B 44/00
(00) Removed	(00) 22.02.2022	G05D 19/02
(11) 2013607	(51) A61K 9/00	(11) EP2583544
(00) 28.02.2022	A61K 31/575	(51) A01B 69/00
(51) C04B 41/00	A61P 11/00	A01B 79/00
C09K 11/02	(00) Removed	(11) EP2640656
E01C 5/06	(11) EP1611150	(51) B66B 5/06
E01C 7/08	(00) 22.02.2022	B66B 5/02
E01F 9/04	(51) B01F 1/00	H02J 9/06
(00) Removed	C07J 71/00	(11) EP2711413
(11) 2015808	(00) Removed	(51) C11D 11/00
(00) 28.02.2022	(11) EP1626913	C11D 1/83
(51) E01F 9/559	(00) 22.02.2022	C11D 3/20
E01F 9/582	(51) A61K 9/00	C11D 3/37
(00) Removed	A61K 31/167	C11D 3/42
(11) 2016038	A61K 31/58	C11D 3/33
(00) 28.02.2022	(00) Removed	C11D 3/39
(51) E01F 9/559	(11) EP1670481	(11) EP2720926
E01F 9/582	(00) 22.02.2022	(51) B61H 11/00
(00) Removed	(51) A61K 31/58	B61L 25/02
(11) 2016794	A61P 1/00	B61K 7/12
(00) 28.02.2022	(00) Removed	B61J 3/02
(51) G01M 5/00	(11) EP1670482	B61L 17/00
(00) Removed	(00) 22.02.2022	(11) EP2813479
(11) 2019554	(51) A61K 9/00	(00) 28.02.2022
(00) 28.02.2022	A61K 31/57	(51) B09B 3/00
(51) E21B 7/04	A61K 31/58	C04B 18/02
E21B 7/20	(00) Removed	C04B 18/10
E21B 7/26	(11) EP1697398	C04B 18/30
E21B 47/022	(00) 22.02.2022	(00) Removed
E21B 47/09	(51) A61K 9/00	(11) EP2904017
G01V 3/15	C07J 71/00	(51) C08B 30/12
(00) Removed	(00) Removed	C08B 30/14
(11) 2020468	(11) EP1945319	(11) EP3002101
(00) 28.02.2022	(51) A63B 21/002	(51) B29C 44/06
(51) E01F 15/04	(11) EP2185771	(11) EP3017114
(00) Removed	(00) 28.02.2022	(00) 28.02.2022
(11) 2020630	(51) E02B 3/14	(51) E01F 9/582
(00) 28.02.2022	(00) Removed	(00) Removed
(51) E21D 11/00	(11) EP2194792	(11) EP3074239
F24T 10/15	(51) A21D 2/16	(51) B42D 25/405
F24V 99/00	A23D 9/00	B42D 25/415
(00) Removed	C11C 3/10	B42D 25/43
(11) 2024246	(11) EP2295062	B42D 25/40
(00) 03.03.2022	(00) 22.02.2022	B42D 25/445
(51) B64D 1/02	(51) A61K 31/58	B42D 25/45
	A61P 11/00	B42D 25/29

B42D 25/355

(11) EP3103921

(00) 28.02.2022

(51) E01C 7/18

E01C 7/35

E01C 19/17

(00) Removed

(11) EP3154009

(51) G06Q 10/08

(11) EP3167694

(51) H05H 1/46

C01B 32/182

VRV**Verval of nietigverklaring.****Contains data concerning lapse or annulment.**

(11) 300578	(00) Patent Expired	(00) Patent Expired
(00) 11.04.2022	(11) EP1377316	(11) EP1383382
(00) SPC Expired	(00) 11.04.2022	(00) 09.04.2022
(11) EP1249356	(00) Patent Expired	(00) Patent Expired
(00) 10.04.2022	(11) EP1377385	(11) EP1383559
(00) Patent Expired	(00) 12.04.2022	(00) 11.04.2022
(11) EP1249845	(00) Patent Expired	(00) Patent Expired
(00) 08.04.2022	(11) EP1377386	(11) EP1384002
(00) Patent Expired	(00) 12.04.2022	(00) 12.04.2022
(11) EP1250964	(00) Patent Expired	(00) Patent Expired
(00) 08.04.2022	(11) EP1377415	(11) EP1385409
(00) Patent Expired	(00) 09.04.2022	(00) 11.04.2022
(11) EP1251235	(00) Patent Expired	(00) Patent Expired
(00) 11.04.2022	(11) EP1377604	(11) EP1385527
(00) Patent Expired	(00) 11.04.2022	(00) 09.04.2022
(11) EP1251236	(00) Patent Expired	(00) Patent Expired
(00) 11.04.2022	(11) EP1377959	(11) EP1386405
(00) Patent Expired	(00) 12.04.2022	(00) 11.04.2022
(11) EP1251304	(00) Patent Expired	(00) Patent Expired
(00) 09.04.2022	(11) EP1377996	(11) EP1386513
(00) Patent Expired	(00) 08.04.2022	(00) 09.04.2022
(11) EP1252813	(00) Patent Expired	(00) Patent Expired
(00) 10.04.2022	(11) EP1378040	(11) EP1388068
(00) Patent Expired	(00) 09.04.2022	(00) 12.04.2022
(11) EP1252935	(00) Patent Expired	(00) Patent Expired
(00) 10.04.2022	(11) EP1378105	(11) EP1390375
(00) Patent Expired	(00) 12.04.2022	(00) 11.04.2022
(11) EP1253304	(00) Patent Expired	(00) Patent Expired
(00) 12.04.2022	(11) EP1378108	(11) EP1390983
(00) Patent Expired	(00) 09.04.2022	(00) 11.04.2022
(11) EP1254636	(00) Patent Expired	(00) Patent Expired
(00) 11.04.2022	(11) EP1378698	(11) EP1392331
(00) Patent Expired	(00) 11.04.2022	(00) 10.04.2022
(11) EP1255245	(00) Patent Expired	(00) Patent Expired
(00) 08.04.2022	(11) EP1379286	(11) EP1393588
(00) Patent Expired	(00) 12.04.2022	(00) 12.04.2022
(11) EP1262136	(00) Patent Expired	(00) Patent Expired
(00) 08.04.2022	(11) EP1379890	(11) EP1405257
(00) Patent Expired	(00) 08.04.2022	(00) 09.04.2022
(11) EP1262138	(00) Patent Expired	(00) Patent Expired
(00) 08.04.2022	(11) EP1380151	(11) EP1406738
(00) Patent Expired	(00) 09.04.2022	(00) 11.04.2022
(11) EP1263187	(00) Patent Expired	(00) Patent Expired
(00) 08.04.2022	(11) EP1380182	(11) EP1413075
(00) Patent Expired	(00) 12.04.2022	(00) 10.04.2022
(11) EP1300822	(00) Patent Expired	(00) Patent Expired
(00) 12.04.2022	(11) EP1380211	(11) EP1474578
(00) Patent Expired	(00) 08.04.2022	(00) 10.04.2022
(11) EP1377153	(00) Patent Expired	(00) Patent Expired
(00) 08.04.2022	(11) EP1380212	(11) EP1489300
(00) Patent Expired	(00) 10.04.2022	(00) 12.04.2022
(11) EP1377154	(00) Patent Expired	(00) Patent Expired
(00) 10.04.2022	(11) EP1381286	(11) EP1505782
(00) Patent Expired	(00) 10.04.2022	(00) 08.12.2021
(11) EP1377163	(00) Patent Expired	(00) EPV Ceased Effect
(00) 11.04.2022	(11) EP1381869	(11) EP1735175
(00) Patent Expired	(00) 10.04.2022	(00) 08.12.2021
(11) EP1377214	(00) Patent Expired	(00) EPV Ceased Effect
(00) 08.04.2022	(11) EP1382194	(11) EP1810003
	(00) 10.04.2022	(00) 08.12.2021

(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP1821383	(11) EP2309615	(11) EP2563234
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1892449	(11) EP2326254	(11) EP2568880
(00) 11.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1908870	(11) EP2338350	(11) EP2581751
(00) 08.12.2021	(00) 04.02.2022	(00) 08.12.2021
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP1918918	(11) EP2348611	(11) EP2581829
(00) 08.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1918920	(11) EP2378651	(11) EP2587659
(00) 08.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1923064	(11) EP2400275	(11) EP2588808
(00) 10.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2042182	(11) EP2404009	(11) EP2590181
(00) 10.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2056929	(11) EP2431604	(11) EP2618442
(00) 08.12.2021	(00) 12.04.2022	(00) 08.12.2021
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP2086899	(11) EP2433390	(11) EP2620513
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2136057	(11) EP2434744	(11) EP2625455
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2165474	(11) EP2474712	(11) EP2627100
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2176325	(11) EP2478580	(11) EP2633365
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2202245	(11) EP2489086	(11) EP2641539
(00) 23.09.2021	(00) 08.12.2021	(00) 08.12.2021
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2211528	(11) EP2494400	(11) EP2653361
(00) 12.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2233329	(11) EP2505845	(11) EP2653506
(00) 12.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2247386	(11) EP2516557	(11) EP2671113
(00) 13.01.2022	(00) 08.12.2021	(00) 08.12.2021
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2256340	(11) EP2525638	(11) EP2680084
(00) 12.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2282346	(11) EP2540160	(11) EP2682340
(00) 11.04.2022	(00) 10.04.2022	(00) 08.12.2021
(00) Patent Expired	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP2282347	(11) EP2543304	(11) EP2685890
(00) 11.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2296348	(11) EP2547293	(11) EP2713224
(00) 12.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2299638	(11) EP2553156	(11) EP2713981
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2305299	(11) EP2553859	(11) EP2716045
(00) 11.04.2022	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2716756	(11) EP2792652	(11) EP2872026
(00) 08.12.2021	(00) 07.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP2725297	(11) EP2795492	(11) EP2880817
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2726640	(11) EP2805149	(11) EP2884242
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2728248	(11) EP2811158	(11) EP2885852
(00) 08.12.2021	(00) 12.04.2022	(00) 08.12.2021
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP2744365	(11) EP2813228	(11) EP2888676
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2745095	(11) EP2823656	(11) EP2889627
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2749245	(11) EP2830453	(11) EP2890765
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2750594	(11) EP2830694	(11) EP2894418
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2756540	(11) EP2833615	(11) EP2898668
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2757190	(11) EP2834735	(11) EP2898728
(00) 08.12.2021	(00) 08.12.2021	(00) 16.06.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2758699	(11) EP2836187	(11) EP2899972
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2764509	(11) EP2838073	(11) EP2901823
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2767323	(11) EP2842068	(11) EP2904169
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772006	(11) EP2842569	(11) EP2904649
(00) 08.12.2021	(00) 06.10.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP2775642	(11) EP2851875	(11) EP2906940
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2777490	(11) EP2854929	(11) EP2910402
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2778822	(11) EP2855154	(11) EP2912637
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2779105	(11) EP2857086	(11) EP2915634
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2781231	(11) EP2861257	(11) EP2916720
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2786656	(11) EP2866221	(11) EP2917862
(00) 10.04.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2786795	(11) EP2866653	(11) EP2919732
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2788678	(11) EP2870833	(11) EP2933354
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2935899	(11) EP2984545	(11) EP3017695
(00) 08.12.2021	(00) 08.12.2021	(00) 10.04.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) Patent Expired
(11) EP2938387	(11) EP2986022	(11) EP3020129
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2940866	(11) EP2989575	(11) EP3020906
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2944415	(11) EP2989987	(11) EP3027306
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2946847	(11) EP2991045	(11) EP3031380
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2949530	(11) EP2994433	(11) EP3032852
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2956517	(11) EP2994540	(11) EP3033493
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2960097	(11) EP2995330	(11) EP3034879
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2961872	(11) EP2996583	(11) EP3036160
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2962798	(11) EP2996608	(11) EP3038531
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2967426	(11) EP2997231	(11) EP3045589
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2967903	(11) EP3001670	(11) EP3051847
(00) 08.12.2021	(00) 10.04.2022	(00) 08.12.2021
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP2969499	(11) EP3007709	(11) EP3055541
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2969936	(11) EP3008406	(11) EP3055658
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2970752	(11) EP3008585	(11) EP3056900
(00) 11.11.2021	(00) 08.12.2021	(00) 08.12.2021
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2972259	(11) EP3010425	(11) EP3057123
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2974762	(11) EP3011372	(11) EP3057529
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2975517	(11) EP3013446	(11) EP3057593
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2975596	(11) EP3016159	(11) EP3057629
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2977798	(11) EP3016170	(11) EP3058130
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2980977	(11) EP3017322	(11) EP3058436
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2981694	(11) EP3017330	(11) EP3060902
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3062119	(11) EP3117463	(11) EP3154176
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3062728	(11) EP3117710	(11) EP3156848
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3063194	(11) EP3121623	(11) EP3158171
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3063423	(11) EP3123755	(11) EP3158753
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3065872	(11) EP3124811	(11) EP3158934
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3065971	(11) EP3129585	(11) EP3159552
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3070852	(11) EP3131698	(11) EP3159721
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3072195	(11) EP3132078	(11) EP3160307
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3079053	(11) EP3133657	(11) EP3162055
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3079213	(11) EP3135891	(11) EP3162285
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3087868	(11) EP3137156	(11) EP3162633
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3089675	(11) EP3139129	(11) EP3163536
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3089850	(11) EP3140076	(11) EP3163716
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3100688	(11) EP3141653	(11) EP3164168
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3102471	(11) EP3142062	(11) EP3165063
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108114	(11) EP3143081	(11) EP3166166
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108590	(11) EP3149475	(11) EP3170180
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3109451	(11) EP3150850	(11) EP3170437
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3109944	(11) EP3151286	(11) EP3171101
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110088	(11) EP3152466	(11) EP3172543
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111496	(11) EP3153282	(11) EP3172907
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112977	(11) EP3154046	(11) EP3172953
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3174908	(11) EP3194489	(11) EP3206689
(00) 08.12.2021	(00) 06.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP3176771	(11) EP3195314	(11) EP3207109
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3178082	(11) EP3195562	(11) EP3207396
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3178176	(11) EP3196785	(11) EP3209352
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3178892	(11) EP3197142	(11) EP3211055
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3179624	(11) EP3197841	(11) EP3211515
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3180655	(11) EP3200652	(11) EP3212401
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3184338	(11) EP3201446	(11) EP3212765
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3184362	(11) EP3201787	(11) EP3213054
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3184844	(11) EP3202116	(11) EP3213061
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3184944	(11) EP3202124	(11) EP3213424
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3185537	(11) EP3202415	(11) EP3213677
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3186471	(11) EP3203104	(11) EP3214317
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3187850	(11) EP3203167	(11) EP3214890
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3188641	(11) EP3203195	(11) EP3215467
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3189804	(11) EP3203329	(11) EP3215869
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3191792	(11) EP3203969	(11) EP3216154
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3191819	(11) EP3204094	(11) EP3216935
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3192051	(11) EP3204633	(11) EP3217024
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3192589	(11) EP3205065	(11) EP3217643
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3193697	(11) EP3205290	(11) EP3223249
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3193829	(11) EP3205430	(11) EP3227717
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3229134	(11) EP3255108	(11) EP3269012
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3230241	(11) EP3255187	(11) EP3269634
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3230983	(11) EP3256408	(11) EP3269637
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3232147	(11) EP3257626	(11) EP3270120
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3233311	(11) EP3258366	(11) EP3270521
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3235278	(11) EP3258587	(11) EP3271452
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3237317	(11) EP3259972	(11) EP3272376
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3238586	(11) EP3260711	(11) EP3273580
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3238604	(11) EP3260962	(11) EP3274213
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3239832	(11) EP3261917	(11) EP3276186
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3242048	(11) EP3262189	(11) EP3276194
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3244249	(11) EP3263160	(11) EP3277010
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3246430	(11) EP3263980	(11) EP3277064
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3247252	(11) EP3264517	(11) EP3277345
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3247677	(11) EP3265560	(11) EP3278456
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3248544	(11) EP3265863	(11) EP3279907
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3249265	(11) EP3266595	(11) EP3281407
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3249879	(11) EP3266596	(11) EP3281416
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3250249	(11) EP3267065	(11) EP3282585
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3251455	(11) EP3267567	(11) EP3283911
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3252781	(11) EP3268010	(11) EP3284543
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3254172	(11) EP3268747	(11) EP3284911
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3287018	(11) EP3305994	(11) EP3321706
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3287736	(11) EP3306082	(11) EP3321888
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3288613	(11) EP3306521	(11) EP3322043
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3288854	(11) EP3307462	(11) EP3322058
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3289674	(11) EP3307530	(11) EP3324299
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3291069	(11) EP3307977	(11) EP3325979
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3291186	(11) EP3308936	(11) EP3326763
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3291727	(11) EP3309196	(11) EP3326824
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3292164	(11) EP3309577	(11) EP3327079
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293772	(11) EP3309996	(11) EP3327375
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3295989	(11) EP3310111	(11) EP3328283
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297874	(11) EP3310460	(11) EP3329380
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3299076	(11) EP3313909	(11) EP3333586
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3299145	(11) EP3315355	(11) EP3334530
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3299927	(11) EP3315536	(11) EP3335526
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300082	(11) EP3315998	(11) EP3335814
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300431	(11) EP3317516	(11) EP3337746
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300813	(11) EP3318431	(11) EP3338625
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300911	(11) EP3318488	(11) EP3338936
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3302960	(11) EP3319024	(11) EP3340377
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3305423	(11) EP3320538	(11) EP3341452
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3305487	(11) EP3321212	(11) EP3342221
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3343656	(11) EP3358088	(11) EP3366749
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3343989	(11) EP3359103	(11) EP3367922
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3344481	(11) EP3359705	(11) EP3368227
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3344593	(11) EP3359923	(11) EP3369044
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3344718	(11) EP3359927	(11) EP3369820
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3344810	(11) EP3360174	(11) EP3370022
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3345602	(11) EP3362026	(11) EP3370303
(00) 18.02.2022	(00) 08.12.2021	(00) 08.12.2021
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346525	(11) EP3362081	(11) EP3370848
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346774	(11) EP3362307	(11) EP3371123
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3347835	(11) EP3362330	(11) EP3371197
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3349432	(11) EP3362384	(11) EP3371382
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3352486	(11) EP3362454	(11) EP3371632
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3352538	(11) EP3363025	(11) EP3373793
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3353710	(11) EP3363386	(11) EP3374261
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3354216	(11) EP3363588	(11) EP3375073
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3354872	(11) EP3363684	(11) EP3375419
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3355217	(11) EP3363783	(11) EP3377507
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3355474	(11) EP3364018	(11) EP3377545
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3355881	(11) EP3364561	(11) EP3378059
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3356793	(11) EP3364756	(11) EP3378575
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3356812	(11) EP3364925	(11) EP3379050
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3357633	(11) EP3366462	(11) EP3379547
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381812	(11) EP3401616	(11) EP3411661
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382029	(11) EP3402111	(11) EP3411855
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382889	(11) EP3402263	(11) EP3412190
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3384742	(11) EP3403124	(11) EP3412452
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3385833	(11) EP3403788	(11) EP3412694
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3387749	(11) EP3404345	(11) EP3412727
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3388919	(11) EP3404909	(11) EP3412886
(00) 08.12.2021	(00) 10.04.2022	(00) 08.12.2021
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP3389023	(11) EP3405543	(11) EP3413371
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3389448	(11) EP3405727	(11) EP3413458
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3389851	(11) EP3405837	(11) EP3413547
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3393352	(11) EP3406193	(11) EP3413681
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3394496	(11) EP3407388	(11) EP3414616
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3394678	(11) EP3407598	(11) EP3414868
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3395320	(11) EP3407781	(11) EP3415580
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3395324	(11) EP3408082	(11) EP3415704
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3396261	(11) EP3408156	(11) EP3416676
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3396495	(11) EP3408983	(11) EP3417029
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3397740	(11) EP3409308	(11) EP3417168
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398476	(11) EP3409536	(11) EP3417638
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398635	(11) EP3409568	(11) EP3418586
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3400426	(11) EP3411327	(11) EP3419128
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3401607	(11) EP3411408	(11) EP3420656
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3420797	(11) EP3435966	(11) EP3446844
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3420840	(11) EP3436270	(11) EP3447302
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3420854	(11) EP3436427	(11) EP3447467
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3421824	(11) EP3439031	(11) EP3447972
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3422513	(11) EP3439721	(11) EP3448140
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3423276	(11) EP3440364	(11) EP3448451
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3428390	(11) EP3442472	(11) EP3448693
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3428888	(11) EP3442776	(11) EP3449001
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3428957	(11) EP3443287	(11) EP3449075
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3429677	(11) EP3443393	(11) EP3449320
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3429831	(11) EP3443634	(11) EP3449414
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3430005	(11) EP3443894	(11) EP3450735
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3430828	(11) EP3444156	(11) EP3450869
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3431844	(11) EP3444238	(11) EP3452471
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432112	(11) EP3444468	(11) EP3452664
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432178	(11) EP3445603	(11) EP3452842
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432547	(11) EP3445691	(11) EP3453004
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432761	(11) EP3445861	(11) EP3453307
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3433415	(11) EP3446091	(11) EP3454011
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3433759	(11) EP3446105	(11) EP3454443
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3433893	(11) EP3446366	(11) EP3454686
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3434594	(11) EP3446486	(11) EP3455363
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456245	(11) EP3469601	(11) EP3476610
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456311	(11) EP3469837	(11) EP3476783
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456427	(11) EP3470992	(11) EP3477399
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3457786	(11) EP3471282	(11) EP3477951
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3458389	(11) EP3471572	(11) EP3478054
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3458792	(11) EP3471798	(11) EP3479665
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3458966	(11) EP3472865	(11) EP3480568
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3459331	(11) EP3473486	(11) EP3480639
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3460088	(11) EP3473516	(11) EP3480937
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3460476	(11) EP3473555	(11) EP3481042
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3460627	(11) EP3473709	(11) EP3482342
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3460651	(11) EP3473736	(11) EP3482410
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3460697	(11) EP3473824	(11) EP3482787
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3461147	(11) EP3473844	(11) EP3483337
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3462055	(11) EP3473993	(11) EP3483654
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3466003	(11) EP3473997	(11) EP3484050
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3466693	(11) EP3474245	(11) EP3484178
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3466871	(11) EP3474532	(11) EP3484259
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3467061	(11) EP3474939	(11) EP3484612
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3467228	(11) EP3474988	(11) EP3486080
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3467433	(11) EP3475098	(11) EP3486277
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3467544	(11) EP3476448	(11) EP3486449
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3486482	(11) EP3498258	(11) EP3506543
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3486828	(11) EP3498449	(11) EP3506808
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3487184	(11) EP3498461	(11) EP3507638
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3487292	(11) EP3498729	(11) EP3508414
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3488476	(11) EP3499030	(11) EP3508653
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3488507	(11) EP3499277	(11) EP3508925
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3488923	(11) EP3499518	(11) EP3509487
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3489089	(11) EP3499678	(11) EP3509822
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3489230	(11) EP3499947	(11) EP3510396
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3489292	(11) EP3500426	(11) EP3510881
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3491325	(11) EP3500859	(11) EP3511732
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3491351	(11) EP3501924	(11) EP3514055
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3491694	(11) EP3502069	(11) EP3515048
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3491767	(11) EP3502341	(11) EP3515338
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3491945	(11) EP3502509	(11) EP3515983
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3492100	(11) EP3502782	(11) EP3516205
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3492199	(11) EP3502936	(11) EP3516580
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3493567	(11) EP3503489	(11) EP3517294
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3495009	(11) EP3504054	(11) EP3517341
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497425	(11) EP3504503	(11) EP3517578
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497492	(11) EP3505079	(11) EP3517716
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3498113	(11) EP3505782	(11) EP3518027
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3518392	(11) EP3526936	(11) EP3532995
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3519282	(11) EP3526941	(11) EP3533046
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3519418	(11) EP3527175	(11) EP3533194
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3519734	(11) EP3527397	(11) EP3533540
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3519761	(11) EP3527791	(11) EP3534067
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3520020	(11) EP3528128	(11) EP3534816
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3520031	(11) EP3528348	(11) EP3535568
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3520229	(11) EP3529116	(11) EP3535686
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3520365	(11) EP3529144	(11) EP3536567
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3522534	(11) EP3529145	(11) EP3537063
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3522685	(11) EP3529275	(11) EP3537817
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3522817	(11) EP3529320	(11) EP3539997
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3522945	(11) EP3529449	(11) EP3542537
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3523179	(11) EP3529565	(11) EP3542922
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3523295	(11) EP3529891	(11) EP3543606
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3523305	(11) EP3529969	(11) EP3544001
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3523799	(11) EP3530028	(11) EP3544167
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3524640	(11) EP3530929	(11) EP3544641
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3525548	(11) EP3531748	(11) EP3546374
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3525674	(11) EP3531756	(11) EP3546717
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3526282	(11) EP3532101	(11) EP3546816
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3526843	(11) EP3532642	(11) EP3546955
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3546976	(11) EP3561877	(11) EP3576822
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3546978	(11) EP3563111	(11) EP3578075
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3546983	(11) EP3563962	(11) EP3578394
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3547324	(11) EP3564386	(11) EP3580282
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3547662	(11) EP3564714	(11) EP3580474
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3549656	(11) EP3564956	(11) EP3580476
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3550224	(11) EP3566115	(11) EP3580578
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3550431	(11) EP3566221	(11) EP3580583
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3550927	(11) EP3566606	(11) EP3581724
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3551024	(11) EP3566727	(11) EP3581753
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3551376	(11) EP3566822	(11) EP3582304
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3552398	(11) EP3567707	(11) EP3582494
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3552796	(11) EP3567782	(11) EP3582513
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3555537	(11) EP3567956	(11) EP3583005
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3555747	(11) EP3569402	(11) EP3583018
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3556722	(11) EP3571516	(11) EP3583029
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3557261	(11) EP3571676	(11) EP3583887
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3557362	(11) EP3573300	(11) EP3585070
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3557581	(11) EP3573719	(11) EP3585316
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3558067	(11) EP3574085	(11) EP3585549
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3561196	(11) EP3575155	(11) EP3585630
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3561525	(11) EP3575748	(11) EP3586289
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3586472	(11) EP3593872	(11) EP3603855
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3586862	(11) EP3593979	(11) EP3603942
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3587612	(11) EP3594108	(11) EP3604134
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3587921	(11) EP3594164	(11) EP3605007
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3588254	(11) EP3594478	(11) EP3605270
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3588310	(11) EP3594539	(11) EP3605761
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3589164	(11) EP3595180	(11) EP3606038
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3589180	(11) EP3596147	(11) EP3606235
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3590024	(11) EP3596329	(11) EP3607391
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3590166	(11) EP3597053	(11) EP3607658
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3590700	(11) EP3597186	(11) EP3607809
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3591085	(11) EP3598063	(11) EP3608310
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3591105	(11) EP3598833	(11) EP3609378
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3591772	(11) EP3599369	(11) EP3609513
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3591841	(11) EP3599422	(11) EP3610647
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3592006	(11) EP3599467	(11) EP3610713
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3592106	(11) EP3601683	(11) EP3610821
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3592107	(11) EP3602120	(11) EP3610829
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3592235	(11) EP3602151	(11) EP3611079
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3592552	(11) EP3602478	(11) EP3611976
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3593538	(11) EP3602944	(11) EP3613696
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3593684	(11) EP3603104	(11) EP3613949
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3615581	(11) EP3632311	(11) EP3640132
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3615849	(11) EP3632611	(11) EP3640330
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3616233	(11) EP3632670	(11) EP3640378
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3617057	(11) EP3632760	(11) EP3640410
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3617218	(11) EP3632787	(11) EP3640461
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3617511	(11) EP3632921	(11) EP3641052
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3617633	(11) EP3633113	(11) EP3641120
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3620293	(11) EP3633149	(11) EP3641406
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3621322	(11) EP3633429	(11) EP3642252
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3623056	(11) EP3633599	(11) EP3643616
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3624503	(11) EP3633918	(11) EP3643630
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3625645	(11) EP3633925	(11) EP3643923
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3626773	(11) EP3635460	(11) EP3643968
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3628539	(11) EP3636273	(11) EP3644436
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3629420	(11) EP3636366	(11) EP3644442
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3629592	(11) EP3636641	(11) EP3644450
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3629633	(11) EP3637526	(11) EP3644452
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3630134	(11) EP3637536	(11) EP3645338
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3630866	(11) EP3637855	(11) EP3646844
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3631112	(11) EP3638464	(11) EP3647031
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3632041	(11) EP3638568	(11) EP3647471
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3632056	(11) EP3639366	(11) EP3648407
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3648701	(11) EP3664005	(11) EP3673542
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3649036	(11) EP3664383	(11) EP3673803
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3649284	(11) EP3664954	(11) EP3675417
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3650210	(11) EP3665496	(11) EP3675568
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3650328	(11) EP3665538	(11) EP3676662
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3650723	(11) EP3666148	(11) EP3677015
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3651141	(11) EP3666653	(11) EP3677625
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3652615	(11) EP3666671	(11) EP3678405
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3653246	(11) EP3667886	(11) EP3679555
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3653273	(11) EP3667896	(11) EP3680497
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3653884	(11) EP3668045	(11) EP3680567
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3654803	(11) EP3668059	(11) EP3680575
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3655592	(11) EP3668870	(11) EP3680670
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3655637	(11) EP3669110	(11) EP3680919
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3657738	(11) EP3669249	(11) EP3681238
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3657809	(11) EP3669650	(11) EP3681766
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3659777	(11) EP3670324	(11) EP3681869
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3659910	(11) EP3670977	(11) EP3681973
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3660454	(11) EP3671394	(11) EP3683055
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3661005	(11) EP3671462	(11) EP3683245
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3661727	(11) EP3671918	(11) EP3683259
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3663040	(11) EP3672777	(11) EP3683321
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

[illegible]

[illegible]

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3725142	(11) EP3737897	(11) EP3749896
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3725191	(11) EP3737935	(11) EP3750216
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3725461	(11) EP3738442	(11) EP3750615
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3725465	(11) EP3738997	(11) EP3750828
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3726004	(11) EP3739738	(11) EP3752132
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3727777	(11) EP3739804	(11) EP3752428
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3727959	(11) EP3741586	(11) EP3753203
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3728425	(11) EP3741676	(11) EP3754200
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3728805	(11) EP3743012	(11) EP3756834
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3728935	(11) EP3743341	(11) EP3758216
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3730382	(11) EP3743535	(11) EP3758256
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3730587	(11) EP3743805	(11) EP3758614
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3730785	(11) EP3744537	(11) EP3763236
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3732320	(11) EP3745048	(11) EP3766580
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3732425	(11) EP3745290	(11) EP3766915
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3733036	(11) EP3745582	(11) EP3767978
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3733447	(11) EP3747032	(11) EP3770529
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3736190	(11) EP3747929	(11) EP3770596
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3736360	(11) EP3748181	(11) EP3770694
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3736377	(11) EP3748256	(11) EP3774175
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3736719	(11) EP3748725	(11) EP3778393
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3737014	(11) EP3749156	(11) EP3784908
(00) 08.12.2021	(00) 08.12.2021	(00) 08.12.2021

(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3785935	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3791383	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3792204	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3794716	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3795862	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3798172	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3798414	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3799218	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3800330	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3814946	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3816075	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3824524	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3827156	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3828888	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3833567	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3835135	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3836186	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3839066	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3840924	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3845208	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3855228	
(00) 08.12.2021	
(00) EPV Ceased Effect	
(11) EP3867437	
(00) 08.12.2021	

VRB

**Verbeteringen op eerdere publicaties.
Contains data concerning corrections.**

(11) EP3002101
(00) 08.03.2022
(00) Suspension (Rule 14)
(51) B29C 44/06

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

	F26B 5/00	(00) Assignment
(71) VolkerWessels Intellectuele Eigendom B.V.	(00) Change of owner(s) name	(71) Phase Transition Energy Limited
(73) VolkerWessels Intellectuele Eigendom B.V.	(71) RUAG Electronics AG	(73) Phase Transition Energy Limited
(11) 2006587	(73) RUAG Simulation & Training AG	(11) EP2739706
(00) 03.03.2022	(11) EP1335177	(00) 21.02.2022
(51) G01S 13/02	(00) 04.03.2022	(51) C10B 19/00
G01S 13/88	(51) F41H 9/06	C10B 53/02
G01S 13/89	(00) Change of Legal Entity	C10B 57/18
G01V 3/12	(71) RUAG Simulation & Training AG	H05B 6/78
G01V 3/17	(73) RUAG Simulation & Training AG	(00) Assignment
H01Q 1/52	(11) EP1335177	(71) Mitsubishi Plastic Agri Dream Co., Ltd.
H01Q 9/28	(00) 04.03.2022	(73) Mitsubishi Chemical Aqua Solutions Co., Ltd.
(00) Assignment	(51) F41H 9/06	(11) EP1639884
(71) Heijmans Infra B.V.	(00) Assignment	(00) 25.02.2022
(73) Heijmans Infra B.V.	(71) AirRobot GmbH & Co. KG	(51) A01G 1/06
(11) 2010796	(73) AirRobot GmbH & Co. KG	A01G 7/00
(00) 28.02.2022	(11) EP2035276	A01G 7/02
(51) B09B 3/00	(00) 03.03.2022	A01G 7/04
C04B 18/02	(51) B64C 27/10	A01G 9/16
C04B 18/10	B64C 27/20	A01G 9/18
C04B 18/30	(00) Assignment	A01G 9/24
(00) Merge	(71) Evolve Biologics Inc.	(00) Change of owner(s) name
(71) RUAG Schweiz AG	(73) Evolve Biologics Inc.	(71) Mitsubishi Chemical Agri Dream Co., Ltd.
(73) RUAG Simulation & Training AG	(11) EP1765866	(73) Mitsubishi Chemical Aqua Solutions Co., Ltd.
(11) EP1335177	(00) 22.02.2022	(11) EP1639884
(00) 04.03.2022	(51) C07K 14/47	(00) 25.02.2022
(51) F41H 9/06	C07K 14/75	(51) A01G 1/06
(00) Merge	C07K 14/755	A01G 7/00
(71) Heijmans Infrastructuur B.V.	C07K 14/76	A01G 7/02
(73) Heijmans Infrastructuur B.V.	C07K 14/81	A01G 7/04
(11) EP1262601	(00) Assignment	A01G 9/16
(00) 28.02.2022	(71) Heijmans Infra B.V.	A01G 9/18
(51) E01D 19/06	(73) Heijmans Infra B.V.	A01G 9/24
(00) Change of owner(s) name	(11) EP2185771	(00) Change of owner(s) name
(71) Mitsubishi Plastic Agri Dream Co., Ltd.	(00) 28.02.2022	(71) Mitsubishi Chemical Aqua Solutions Co., Ltd.
(73) Mitsubishi Chemical Aqua Solutions Co., Ltd.	(51) E02B 3/14	(73) Mitsubishi Chemical Aqua Solutions Co., Ltd.
(11) EP1543718	(00) Merge	(11) EP1639884
(00) 25.02.2022	(71) Mitsubishi Chemical Aqua Solutions Co., Ltd.	(00) 25.02.2022
(51) A01G 9/18	(73) Mitsubishi Chemical Aqua Solutions Co., Ltd.	(51) A01G 1/06
A01G 9/24	(11) EP1543718	A01G 7/00
A01G 27/00	(00) 25.02.2022	A01G 7/02
(00) Change of owner(s) name	(51) A01G 9/18	A01G 7/04
(71) Lonza Consumer Health Inc.	A01G 9/24	A01G 9/16
(73) Lonza Consumer Health Inc.	A01G 27/00	A01G 9/18
(11) EP1435906	(00) Assignment	A01G 9/24
(00) 22.02.2022	(71) Mitsubishi Chemical Agri Dream Co., Ltd.	(00) Assignment
(51) A01N 59/08	(73) Mitsubishi Chemical Aqua Solutions Co., Ltd.	(71) Ranpak B.V.
A23B 4/033	(11) EP1543718	(73) Ranpak B.V.
A23B 7/022	(00) 25.02.2022	(11) EP2684802
A23J 1/00	(51) A01G 9/18	(00) 22.02.2022
A23L 1/305	A01G 9/24	(51) B65B 7/20
A23L 1/308	A01G 27/00	B65B 7/28
A61K 9/00	(00) Change of owner(s) name	B65B 61/00
A61K 31/445	(71) SNCF VOYAGEURS	(00) Assignment
A61K 35/12	(73) SNCF VOYAGEURS	(71) TENNOR THERAPEUTICS (SUZHOU) LIMITED
A61K 35/32	(11) EP2699445	
A61K 38/39	(00) 22.02.2022	
C07K 14/78	(51) B60L 5/22	
F26B 1/00		

(73) TENNOR THERAPEUTICS (SUZHOU) LIMITED	A61P 1/18	B64D 11/06
(11) EP2254892	(00) Assignment	(00) Assignment
(00) 04.03.2022	(71) Société Nationale SNCF	(71) Nordmark Arzneimittel Holding GmbH & Co. KG
(51) A61K 31/5365	(73) SNCF VOYAGEURS	(73) Nordmark Pharma GmbH
A61P 31/04	(11) EP2581260	(11) EP2295039
A61P 31/06	(00) 22.02.2022	(00) 07.03.2022
C07D 498/04	(51) B60N 2/22	(51) A61K 9/14
(00) Assignment	B60N 2/66	A61K 9/50
(71) J2 Global Ireland Limited	B61D 33/00	A61K 38/46
(73) J2 Global Ireland Limited	(00) Change of Legal Entity	A61K 38/47
(11) EP1844421	(71) Société Nationale SNCF	A61K 38/48
(00) 22.02.2022	(73) SNCF VOYAGEURS	A61P 1/00
(51) G06K 5/00	(11) EP2586654	A61P 1/14
H04M 15/00	(00) 22.02.2022	A61P 5/48
H04M 17/00	(51) B60N 2/44	(00) Change of owner(s) name
(00) Assignment	B60N 2/68	(71) Nordmark Pharma GmbH
(71) VoiceAge EVS LLC	B61D 33/00	(73) Nordmark Pharma GmbH
(73) VoiceAge EVS LLC	(00) Change of Legal Entity	(11) EP2295039
(11) EP1979895	(71) Nordmark Arzneimittel Holding GmbH & Co. KG	(00) 07.03.2022
(00) 22.02.2022	(73) Nordmark Pharma GmbH	(51) A61K 9/14
(51) G10L 19/00	(11) EP2391382	A61K 9/50
(00) Assignment	(00) 07.03.2022	A61K 38/46
(71) InterDigital Madison Patent Holdings, SAS	(51) A61K 38/46	A61K 38/47
(73) InterDigital Madison Patent Holdings, SAS	A61P 1/18	A61K 38/48
(11) EP2733620	(00) Change of owner(s) name	A61P 1/00
(00) 23.02.2022	(71) Aqseptence Group GmbH	A61P 1/14
(51) G06F 13/40	(73) Aqseptence Group GmbH	A61P 5/48
(00) Assignment	(11) EP2321026	(00) Assignment
(71) Jingjin Equipment Inc.	(00) 25.02.2022	(71) Quantum Controls B.V.
(73) Jingjin Equipment Inc.	(51) B01D 33/333	(73) Quantum Controls B.V.
(11) EP2452736	(00) Change of owner(s) name	(11) EP2910463
(00) 23.02.2022	(71) Korea Research Institute Of Chemical Technology	(00) 28.02.2022
(51) B01D 25/12	FarmHannong Co., Ltd.	(51) B63B 1/28
B01D 25/164	(73) FarmHannong Co., Ltd.	B63B 39/06
B01D 25/172	Korea Research Institute Of Chemical Technology	(00) Assignment
B01D 25/32	(11) EP2343284	(71) Société Nationale SNCF
B01D 25/34	(00) 03.03.2022	(73) SNCF VOYAGEURS
(00) Change of owner(s) name	(51) A01N 43/54	(11) EP2480419
(71) Evonik Functional Solutions GmbH	C07D 239/54	(00) 22.02.2022
(73) Evonik Functional Solutions GmbH	(00) Change of owner(s) name	(51) B44C 1/17
(11) EP1997794	(71) Société Nationale SNCF	B61D 17/00
(00) 01.03.2022	(73) SNCF VOYAGEURS	(00) Change of Legal Entity
(51) C07C 29/70	(11) EP2699445	(71) SNCF VOYAGEURS
(00) Assignment	(00) 22.02.2022	(73) SNCF VOYAGEURS
(71) SNCF VOYAGEURS	(51) B60L 5/22	(11) EP2480419
(73) SNCF VOYAGEURS	(00) Change of Legal Entity	(00) 22.02.2022
(11) EP2469116	(71) Société Nationale SNCF	(51) B44C 1/17
(00) 22.02.2022	(73) SNCF VOYAGEURS	B61D 17/00
(51) F16D 65/00	(11) EP2517942	(00) Assignment
F16D 65/12	(00) 22.02.2022	(71) Reich GmbH
(00) Assignment	(51) B60N 2/24	(73) Reich GmbH
(71) SNCF VOYAGEURS	B60N 2/64	(11) EP2399790
(73) SNCF VOYAGEURS	B60N 2/66	(00) 28.02.2022
(11) EP2581261	B61D 33/00	(51) B60S 9/16
(00) 22.02.2022	B64D 11/06	B60S 9/18
(51) B60N 2/22	(00) Change of Legal Entity	(00) Assignment
B60N 2/66	(71) SNCF VOYAGEURS	(71) Nordmark Arzneimittel Holding GmbH & Co. KG
B61D 33/00	(73) SNCF VOYAGEURS	(73) Nordmark Pharma GmbH
(00) Assignment	(11) EP2517942	(11) EP2489349
(71) Nordmark Pharma GmbH	(00) 22.02.2022	(00) 07.03.2022
(73) Nordmark Pharma GmbH	(51) B60N 2/24	(51) A61K 9/16
(11) EP2391382	B60N 2/64	A61K 9/50
(00) 07.03.2022	B60N 2/66	A61K 38/46
(51) A61K 38/46	B61D 33/00	A61K 38/54
		C12N 9/94

(00) Change of owner(s) name	(00) 22.02.2022	(00) Assignment
(71) Nordmark Pharma GmbH	(51) F04B 43/04	(71) Société Nationale SNCF
(73) Nordmark Pharma GmbH	(00) Change of owner(s) name	(73) SNCF VOYAGEURS
(11) EP2489349	(71) EQ-3 AG	(11) EP2581261
(00) 07.03.2022	(73) EQ-3 AG	(00) 22.02.2022
(51) A61K 9/16	(11) EP2517329	(51) B60N 2/22
A61K 9/50	(00) 22.02.2022	B60N 2/66
A61K 38/46	(51) H01H 1/00	B61D 33/00
A61K 38/54	H02J 13/00	(00) Change of Legal Entity
C12N 9/94	H05B 37/02	(71) NeckCare Holding ehf.
(00) Assignment	(00) Assignment	(73) NeckCare Holding ehf.
(71) Société Nationale SNCF	(71) TTP Ventus Limited	(11) EP2451352
(73) SNCF VOYAGEURS	(73) TTP Ventus Limited	(00) 22.02.2022
(11) EP2469116	(11) EP2438301	(51) A61B 5/11
(00) 22.02.2022	(00) 22.02.2022	(00) Assignment
(51) F16D 65/00	(51) F04B 43/04	(71) SNCF VOYAGEURS
F16D 65/12	(00) Assignment	(73) SNCF VOYAGEURS
(00) Change of Legal Entity	(71) RAYTHEON TECHNOLOGIES	(11) EP2581260
(71) EPSILOGEN LTD	CORPORATION	(00) 22.02.2022
(73) EPSILOGEN LTD	(73) RAYTHEON TECHNOLOGIES	(51) B60N 2/22
(11) EP2764025	CORPORATION	B60N 2/66
(00) 04.03.2022	(11) EP2535973	B61D 33/00
(51) A61K 39/395	(00) 24.02.2022	(00) Assignment
A61P 35/00	(51) H01M 8/18	(71) SNCF VOYAGEURS
C07K 16/30	H01M 8/04029	(73) SNCF VOYAGEURS
(00) Change of owner(s) name	H01M 8/04276	(11) EP2586654
(71) Sun Pharma Advanced Research Company Limited	(00) Change of owner(s) name	(00) 22.02.2022
(73) Sun Pharma Advanced Research Company Limited	(71) Metacon-Next B.V.	(51) B60N 2/44
(11) EP2697219	(73) Metacon-Next B.V.	B60N 2/68
(00) 25.02.2022	(11) 2021206	B61D 33/00
(51) A61K 31/454	(00) 01.03.2022	(00) Assignment
A61K 31/5377	(51) E06B 9/15	(71) InterDigital CE Patent Holdings, SAS
A61P 9/10	(00) Change of owner(s) name	(73) InterDigital CE Patent Holdings, SAS
A61P 29/00	(71) InterDigital CE Patent Holdings, SAS	(11) EP3123729
A61P 35/00	(73) InterDigital CE Patent Holdings, SAS	(00) 23.02.2022
A61P 37/06	(11) EP3220669	(51) H04N 21/231
C07D 413/10	(00) 23.02.2022	H04N 21/4147
C07D 413/14	(51) H04R 1/40	H04N 21/433
(00) Assignment	H04R 3/12	H04N 5/76
(71) VoiceAge EVS LLC	H04S 7/00	H04N 5/775
(73) VoiceAge EVS LLC	H04W 84/12	H04N 5/781
(11) EP2559028	H04W 84/20	H04N 5/91
(00) 22.02.2022	(00) Assignment	(00) Assignment
(51) G10L 19/02	(71) Top Twence B.V.	(71) CATENA HOLDING BV
G10L 19/09	(73) Top Twence B.V.	(73) CATENA HOLDING BV
G10L 19/12	(11) 2016183	(11) EP2580865
G10L 19/24	(00) 22.02.2022	(00) 28.02.2022
(00) Assignment	(51) A47C 4/02	(51) H03L 7/099
(71) Evolve Biologics Inc.	A47C 5/04	H03L 7/10
(73) Evolve Biologics Inc.	A47C 5/10	H04B 1/00
(11) EP2277912	A47C 13/00	H04B 1/18
(00) 22.02.2022	F16B 12/40	H04B 1/30
(51) B01D 15/08	F16B 12/42	H04B 1/403
B01D 15/20	(00) Assignment	(00) Change of owner(s) name
B01D 15/42	(71) InterDigital CE Patent Holdings, SAS	(71) InterDigital CE Patent Holdings, SAS
C07K 1/16	(73) InterDigital CE Patent Holdings, SAS	(73) InterDigital CE Patent Holdings, SAS
C07K 14/47	(11) EP2898654	(11) EP3185456
C07K 14/75	(00) 23.02.2022	(00) 23.02.2022
C07K 14/755	(51) H04L 29/06	(51) H04L 1/00
C07K 14/76	H04L 29/08	H04L 1/02
C07K 14/81	H04L 29/12	H04L 1/08
(00) Assignment	(00) Assignment	H04L 1/20
(71) TTP PLC	(71) VoiceAge EVS LLC	H04L 12/26
(73) TTP Ventus Limited	(73) VoiceAge EVS LLC	H04L 29/06
(11) EP2438301	(11) EP1509903	H04W 24/08
	(00) 22.02.2022	H04L 12/841
	(51) G10L 19/005	(00) Assignment

(71) InterDigital Madison Patent Holdings, SAS	(00) 23.02.2022	(51) H01Q 1/02
(73) InterDigital Madison Patent Holdings, SAS	(51) H04N 21/262	H01Q 1/24
(11) EP3185456	H04N 21/431	H05K 7/20
(00) 23.02.2022	H04N 21/436	(00) Assignment
(51) H04L 1/00	H04N 21/462	(71) Shanghai Lefuna Food Technology Co., Ltd
H04L 1/02	H04N 21/482	(73) Shanghai Lefuna Food Technology Co., Ltd
H04L 1/08	H04N 21/8549	(11) 2024419
H04L 1/20	(00) Assignment	(00) 07.03.2022
H04L 12/26	(71) DyNAbind GmbH	(51) A21C 3/04
H04L 29/06	(73) DyNAbind GmbH	A21C 5/00
H04W 24/08	(11) EP3017064	A21C 9/08
H04L 12/841	(00) 01.03.2022	A21C 11/16
(00) Assignment	(51) C12Q 1/68	A23P 30/10
(71) ALCOA USA CORP.	(00) Assignment	A23P 30/20
(73) ALCOA USA CORP.	(71) InterDigital Madison Patent Holdings, SAS	B29C 45/00
(11) EP2265357	(73) InterDigital Madison Patent Holdings, SAS	(00) Assignment
(00) 28.02.2022	(11) EP2932504	(71) Innovation Pharmaceuticals Inc.
(51) B01D 53/50	(00) 23.02.2022	(73) Innovation Pharmaceuticals Inc.
(00) Assignment	(51) H04N 21/4147	(11) EP2709619
(71) ZANZAR S.p.A.	H04N 21/4335	(00) 01.03.2022
(73) ZANZAR S.p.A.	H04N 21/845	(51) A61K 31/167
(11) EP3064701	G11B 27/10	A61K 31/506
(00) 02.03.2022	G11B 27/30	A61P 1/02
(51) E06B 9/262	H04N 5/76	(00) Change of owner(s) name
E06B 9/266	(00) Assignment	(71) InterDigital Madison Patent Holdings, SAS
E06B 9/52	(71) InterDigital Madison Patent Holdings, SAS	(73) InterDigital Madison Patent Holdings, SAS
(00) Assignment	(73) InterDigital Madison Patent Holdings, SAS	(11) EP3191881
(71) InterDigital Madison Patent Holdings, SAS	(11) EP2979420	(00) 23.02.2022
(73) InterDigital Madison Patent Holdings, SAS	(00) 23.02.2022	(51) F21V 8/00
(11) EP2887636	(51) H04N 21/436	G02B 6/00
(00) 23.02.2022	H04L 9/32	(00) Assignment
(51) G06T 11/00	H04L 12/24	(71) InterDigital CE Patent Holdings, SAS
G09G 5/02	H04L 12/28	(73) InterDigital CE Patent Holdings, SAS
H04N 1/60	H04L 29/06	(11) EP2887634
H04N 9/67	H04W 12/06	(00) 23.02.2022
(00) Assignment	H04W 4/00	(51) G06T 11/00
(71) Biogen MA Inc.	(00) Assignment	G09G 5/02
(73) Biogen MA Inc.	(71) M Squared Lasers Limited	H04N 1/60
(11) EP2654750	(73) M Squared Lasers Limited	H04N 9/67
(00) 03.03.2022	(11) EP2583136	(00) Assignment
(51) A61K 31/4353	(00) 03.03.2022	(71) InterDigital Madison Patent Holdings, SAS
A61K 31/436	(51) G02F 1/39	(73) InterDigital Madison Patent Holdings, SAS
A61K 31/437	(00) Assignment	(11) EP2961211
A61K 31/553	(71) EMKON automation GmbH	(00) 23.02.2022
A61P 25/00	(73) EMKON automation GmbH	(51) H04W 12/06
C07D 401/04	(11) EP2848539	H04W 12/08
C07D 403/04	(00) 02.03.2022	(00) Assignment
C07D 471/04	(51) B65B 1/16	(71) InterDigital CE Patent Holdings, SAS
C07D 491/048	B65B 1/38	(73) InterDigital CE Patent Holdings, SAS
C07D 498/04	B65B 29/00	(11) EP2893787
(00) Assignment	B65B 31/04	(00) 23.02.2022
(71) VoiceAge EVS LLC	B65B 37/16	(51) H05K 7/20
(73) VoiceAge EVS LLC	B65B 37/20	(00) Assignment
(11) EP2102619	B65B 39/12	(71) Stichting Radboud universitair medisch centrum
(00) 22.02.2022	B65B 59/00	Stichting Katholieke Universiteit
(51) G10L 19/08	B65B 63/02	(73) Stichting Radboud universitair medisch centrum
G10L 19/12	(00) Assignment	Radboud Universiteit Nijmegen
(00) Assignment	(71) InterDigital Madison Patent Holdings, SAS	(11) EP2729810
(71) InterDigital Madison Patent Holdings, SAS	(73) InterDigital Madison Patent Holdings, SAS	(00) 24.02.2022
(73) InterDigital Madison Patent Holdings, SAS	(11) EP3069586	
(11) EP3005709	(00) 23.02.2022	

(51) G01N 33/564	(00) Assignment	(51) G10L 19/02
G01N 33/573	(71) Galapagos NV	G10L 19/08
(00) Assignment	(73) Galapagos NV	G10L 19/20
(71) Radboud Universiteit Nijmegen	(11) EP3237406	(00) Assignment
Stichting Radboud universitair medisch centrum	(00) 22.02.2022	(71) GROUPE ATLANTIC IZMIR RADYATÖR SİSTEMLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ
(73) Stichting Radboud universitair medisch centrum	(51) A61K 31/496	(73) GROUPE ATLANTIC IZMIR RADYATÖR SİSTEMLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ
Radboud Universiteit Nijmegen	A61P 19/02	
(11) EP2729810	A61P 19/04	
(00) 24.02.2022	C07D 403/06	
(51) G01N 33/564	(00) Assignment	
G01N 33/573	(71) InterDigital Madison Patent Holdings, SAS	(11) EP3499164
(00) Change of owner(s) name	(73) InterDigital Madison Patent Holdings, SAS	(00) 21.02.2022
(71) InterDigital Madison Patent Holdings, SAS	(11) EP3182644	(51) F28D 1/02
(73) InterDigital Madison Patent Holdings, SAS	(00) 23.02.2022	F28D 1/053
(11) EP3047643	(51) H04L 12/18	F28D 21/00
(00) 23.02.2022	(00) Assignment	(00) Assignment
(51) H04N 21/41	(71) InterDigital Madison Patent Holdings, SAS	(71) Arjuna Natural Private Limited
G06K 9/62	(73) InterDigital Madison Patent Holdings, SAS	(73) Arjuna Natural Private Limited
G06T 11/60	(11) EP3160148	(11) EP3013348
G11B 27/031	(00) 23.02.2022	(00) 25.02.2022
H04N 1/62	(51) H04N 21/43	(51) A61K 9/00
H04N 5/278	H04N 21/438	A61K 33/00
G06F 3/048	H04N 21/8547	A61K 36/21
G06F 3/0485	(00) Assignment	A61P 9/08
G06F 3/0488	(71) Crane Payment Innovations, Inc.	(00) Assignment
(00) Assignment	(73) Crane Payment Innovations, Inc.	(71) Paris Sciences et Lettres
(71) InterDigital CE Patent Holdings, SAS	(11) EP2503924	Centre National de la Recherche Scientifique (CNRS)
(73) InterDigital CE Patent Holdings, SAS	(00) 25.02.2022	Sorbonne Université
(11) EP2891323	(51) A23L 2/38	Ecole Nationale Supérieure de Chimie de Paris
(00) 23.02.2022	A47J 31/00	(73) Ecole Nationale Supérieure de Chimie de Paris
(51) H04N 21/43	A47J 31/40	Sorbonne Université
H04N 21/6543	(00) Assignment	Centre National de la Recherche Scientifique (CNRS)
H04N 21/845	(71) Paris Sciences et Lettres	Paris Sciences et Lettres
H04L 29/06	Centre National de la Recherche Scientifique (CNRS)	(11) EP3533519
H04L 29/08	Sorbonne Université	(00) 24.02.2022
(00) Assignment	UNIVERSITE DE PARIS	(51) B01J 19/00
(71) Paris Sciences et Lettres	(73) Centre National de la Recherche Scientifique (CNRS)	B01J 19/08
(73) Paris Sciences et Lettres	Paris Sciences et Lettres	(00) Change of owner(s) name
(11) EP3063158	UNIVERSITE DE PARIS	(71) OncoZenge AB
(00) 24.02.2022	Sorbonne Université	(73) OncoZenge AB
(51) A61K 31/295	(11) EP3292217	(11) EP3284459
A61K 31/555	(00) 24.02.2022	(00) 07.03.2022
A61K 31/7135	(51) C12Q 1/68	(51) A61K 9/00
C07F 17/02	C12Q 1/6806	A61K 31/445
(00) Change of owner(s) name	C12Q 1/6816	(00) Assignment
(71) InterDigital CE Patent Holdings, SAS	C12Q 1/6834	(71) northh medical GmbH
(73) InterDigital CE Patent Holdings, SAS	C12Q 1/6874	(73) northh medical GmbH
(11) EP2958011	(00) Change of owner(s) name	(11) EP3389501
(00) 23.02.2022	(71) InterDigital Madison Patent Holdings, SAS	(00) 22.02.2022
(51) G06F 3/16	(73) InterDigital Madison Patent Holdings, SAS	(51) A61B 5/00
G06F 3/048	(11) EP2959667	A61B 5/055
(00) Assignment	(00) 23.02.2022	A61B 8/02
(71) VoiceAge EVS LLC	(51) H04M 1/725	A61B 8/08
(73) VoiceAge EVS LLC	H04M 19/04	G01R 33/48
(11) EP2707687	(00) Assignment	G01R 33/567
(00) 22.02.2022	(71) VoiceAge EVS LLC	(00) Assignment
(51) G10L 19/00	(73) VoiceAge EVS LLC	(71) Tweed Inc.
G10L 19/02	(11) EP2633521	(73) Tweed Inc.
G10L 19/038	(00) 22.02.2022	(11) EP3232808
G10L 19/107		(00) 22.02.2022
G10L 19/12		(51) A23L 2/52
G10L 19/22		A61K 31/05
G10L 25/78		A61K 31/352

A61K 36/185	(71) Paris Sciences et Lettres	(00) 23.02.2022
A23L 33/105	Centre National de la Recherche	(51) G06F 3/0482
A23L 35/00	Scientifique (CNRS)	(00) Assignment
(00) Assignment	Sorbonne Université	(71) CRAGE medical Co., Limited
(71) InterDigital Madison Patent Holdings, SAS	UNIVERSITE DE PARIS	(73) CRAGE medical Co., Limited
(73) InterDigital Madison Patent Holdings, SAS	(73) Centre National de la Recherche Scientifique (CNRS)	(11) EP3327036
(11) EP2887634	UNIVERSITE DE PARIS	(00) 03.03.2022
(00) 23.02.2022	Paris Sciences et Lettres	(51) A61K 38/00
(51) G06T 11/00	Sorbonne Université	A61K 39/00
G09G 5/02	(11) EP3181703	A61K 39/395
H04N 1/60	(00) 24.02.2022	A61K 48/00
H04N 9/67	(51) G01B 11/00	A61P 35/00
(00) Assignment	G02B 21/00	C07K 14/54
(71) InterDigital Madison Patent Holdings, SAS	G02B 21/10	C07K 14/705
(73) InterDigital Madison Patent Holdings, SAS	C12Q 1/68	C07K 14/715
(11) EP2893787	(00) Change of owner(s) name	C07K 16/28
(00) 23.02.2022	(71) InterDigital Madison Patent Holdings, SAS	C07K 16/30
(51) H05K 7/20	(73) InterDigital Madison Patent Holdings, SAS	C07K 16/46
(00) Assignment	(11) EP3220669	C07K 19/00
(71) Stichting Katholieke Universiteit	(00) 23.02.2022	C12N 5/10
(73) Stichting Radboud universitair medisch centrum	(51) H04R 1/40	C12N 15/13
Radboud Universiteit Nijmegen	H04R 3/12	C12N 15/62
(11) EP2729810	H04S 7/00	C12N 15/63
(00) 24.02.2022	H04W 84/12	G01N 33/574
(51) G01N 33/564	H04W 84/20	C12N 15/113
G01N 33/573	(00) Assignment	(00) Assignment
(00) Assignment	(71) InterDigital Madison Patent Holdings, SAS	(71) 3C PROJECT MANAGEMENT LIMITED
(71) InterDigital Madison Patent Holdings, SAS	(73) InterDigital Madison Patent Holdings, SAS	(73) 3C PROJECT MANAGEMENT LIMITED
(73) InterDigital Madison Patent Holdings, SAS	(11) EP2898654	(11) EP3515712
(11) EP2891323	(00) 23.02.2022	(00) 25.02.2022
(00) 23.02.2022	(51) H04L 29/06	(51) B41J 2/14
(51) H04N 21/43	H04L 29/08	B41J 2/16
H04N 21/6543	H04L 29/12	(00) Assignment
H04N 21/845	(00) Assignment	(71) Pharmbio Korea Co., Ltd.
H04L 29/06	(71) InterDigital Madison Patent Holdings, SAS	(73) Pharmbio Korea Co., Ltd.
H04L 29/08	(73) InterDigital Madison Patent Holdings, SAS	(11) EP3120835
(00) Assignment	(11) EP3123729	(00) 03.03.2022
(71) InterDigital Madison Patent Holdings, SAS	(00) 23.02.2022	(51) A61K 9/08
(73) InterDigital Madison Patent Holdings, SAS	(51) H04N 21/231	A61K 9/00
(11) EP2958011	H04N 21/4147	A61K 47/12
(00) 23.02.2022	H04N 21/433	A61K 31/445
(51) G06F 3/16	H04N 5/76	A61K 31/194
G06F 3/048	H04N 5/775	A61P 1/10
(00) Assignment	H04N 5/781	A61K 31/4402
(71) InterDigital Madison Patent Holdings, SAS	H04N 5/91	A61K 33/08
(73) InterDigital Madison Patent Holdings, SAS	(00) Assignment	(00) Assignment
(11) EP3154265	(71) InterDigital Madison Patent Holdings, SAS	(71) CSR B.V.
(00) 23.02.2022	(73) InterDigital Madison Patent Holdings, SAS	(11) 1044119
(51) H04N 19/00	(11) EP2904705	(00) 07.03.2022
(00) Assignment	(00) 23.02.2022	(51) B08B 17/02
(71) InterDigital CE Patent Holdings, SAS	(51) H03K 17/94	A01K 1/015
(73) InterDigital CE Patent Holdings, SAS	H03K 17/96	B08B 3/02
(11) EP3154265	(00) Assignment	E01H 1/10
(00) 23.02.2022	(71) InterDigital Madison Patent Holdings, SAS	A47L 11/30
(51) H04N 19/00	(73) InterDigital Madison Patent Holdings, SAS	A01K 1/01
(00) Assignment	(11) EP3234751	(00) Assignment
		(71) SISVEL International S.A.
		(73) SISVEL International S.A.
		(11) EP3240345
		(00) 23.02.2022
		(51) H04W 72/04
		H04W 72/12
		(00) Assignment
		(71) Biogen MA Inc.
		(73) Biogen MA Inc.
		(11) EP3181133
		(00) 03.03.2022

(51) A61K 31/4353	H01L 23/40	Centre National de la Recherche Scientifique
A61K 31/436	H05K 7/12	(73) Paris Sciences et Lettres
A61K 31/437	H05K 7/20	Centre National de la Recherche Scientifique
A61K 31/553	H05K 9/00	Sorbonne Université
A61P 25/00	(00) Assignment	(11) EP3126310
C07D 401/04	(71) Drushtvo za trgovija usluga i konsalting	(00) 24.02.2022
C07D 403/04	(73) Drushtvo za trgovija usluga i konsalting	(51) C04B 35/553
C07D 471/04	(11) EP2504286	C04B 35/626
C07D 491/048	(00) 01.03.2022	(00) Change of owner(s) name
C07D 498/04	(51) C02F 1/36	(71) Shanghai Lefuna Food Technology Co., Ltd
(00) Assignment	C02F 1/68	(11) 2024442
(71) InterDigital Madison Patent Holdings, SAS	C02F 11/00	(00) 07.03.2022
(73) InterDigital Madison Patent Holdings, SAS	C02F 103/06	(51) B65B 37/18
(11) EP3014963	C02F 11/14	(00) Assignment
(00) 23.02.2022	(00) Assignment	(71) Nordmark Arzneimittel Holding GmbH & Co. KG
(51) H05K 7/20	(71) F. Hoffmann-La Roche AG	(73) Nordmark Pharma GmbH
(00) Assignment	(73) F. Hoffmann-La Roche AG	(11) EP3423035
(71) GenoBio, Corp.	(11) EP3465491	(00) 07.03.2022
(73) GenoBio, Corp.	(00) 07.03.2022	(51) A61K 9/08
(11) EP3410120	(51) G16H 20/17	A61K 38/46
(00) 21.02.2022	G16H 10/40	A61K 47/02
(51) B01L 3/00	G16H 50/20	(00) Change of owner(s) name
B03C 1/01	G16H 40/63	(71) Nordmark Pharma GmbH
B03C 1/033	(00) Assignment	(73) Nordmark Pharma GmbH
B03C 1/28	(71) Handi-Move N.V.	(11) EP3423035
G01N 15/10	(73) Handi-Move N.V.	(00) 07.03.2022
B01L 9/00	(11) EP3574882	(51) A61K 9/08
(00) Change of Legal Entity	(00) 03.03.2022	A61K 38/46
(71) Bauunternehmung Gebr. Echterhoff GmbH & Co. KG	(51) A61G 7/10	A61K 47/02
(73) Bauunternehmung Gebr. Echterhoff GmbH & Co. KG	A61H 1/02	(00) Assignment
(11) EP3696320	A61G 5/14	(71) InterDigital Madison Patent Holdings, SAS
(00) 23.02.2022	A61H 3/04	(73) InterDigital Madison Patent Holdings, SAS
(51) E01D 19/02	(00) Assignment	(11) EP2861997
E01D 21/00	(71) Electronics and Telecommunications Research Institute	(00) 23.02.2022
(00) Assignment	(73) Electronics and Telecommunications Research Institute	(51) G01R 19/165
(71) InterDigital Madison Patent Holdings, SAS	(11) EP3169030	(00) Assignment
(73) InterDigital Madison Patent Holdings, SAS	(00) 22.02.2022	(71) InterDigital Madison Patent Holdings, SAS
(11) EP2961503	(51) H04H 20/42	(11) EP3311542
(00) 23.02.2022	H04J 11/00	(00) 23.02.2022
(51) A63G 25/00	H04L 27/26	(51) H04N 21/40
A63G 31/16	H04L 27/34	H04L 29/06
A63J 25/00	(00) Assignment	(00) Assignment
(00) Assignment	(71) Endoplay S.r.l.	(71) IDEMIA America Corp
(71) Paris Sciences et Lettres	(73) Endoplay S.r.l.	(73) IDEMIA America Corp
Centre National de la Recherche Scientifique (CNRS)	(11) EP3646310	(11) EP2893492
(73) Paris Sciences et Lettres	(00) 01.03.2022	(00) 24.02.2022
Centre National de la Recherche Scientifique (CNRS)	(51) G09B 23/28	(51) G06K 19/00
(11) EP3090803	(00) Assignment	B42D 25/23
(00) 24.02.2022	(71) InterDigital Madison Patent Holdings, SAS	B42D 25/305
(51) B01L 3/00	(73) InterDigital Madison Patent Holdings, SAS	B42D 25/455
C12Q 1/68	(11) EP3188019	B42D 25/46
(00) Change of owner(s) name	(00) 23.02.2022	(00) Assignment
(71) InterDigital Madison Patent Holdings, SAS	(51) G06F 11/14	(71) IDEMIA America Corp
(73) InterDigital Madison Patent Holdings, SAS	(00) Assignment	(73) IDEMIA America Corp
(11) EP2910095	(71) CROSSWIND C.V.	(11) EP2893493
(00) 23.02.2022	(73) CROSSWIND C.V.	(00) 24.02.2022
(51) H01L 23/367	(11) 2024238	(51) G06K 19/00
	(00) 25.02.2022	B42D 25/23
	(51) F03D 7/04	
	(00) Assignment	
	(71) Paris Sciences et Lettres	
	Sorbonne Université	

B42D 25/305	(00) Change of owner(s) name	F16B 7/18
B42D 25/455	(71) Nordmark Pharma GmbH	(00) Change of owner(s) name
(00) Assignment	(73) Nordmark Pharma GmbH	(71) Beijing Xiaomi Mobile Software Co., Ltd.
(71) InterDigital Madison Patent Holdings, SAS	(11) EP3344281	(73) Beijing Xiaomi Mobile Software Co., Ltd.
(73) InterDigital Madison Patent Holdings, SAS	(00) 07.03.2022	(11) EP3716716
(11) EP2932356	(51) A61K 9/00	(00) 25.02.2022
(00) 23.02.2022	A61K 38/16	(51) H04W 72/04
(51) G06F 3/01	A61K 38/46	(00) Assignment
G06F 3/03	A23L 33/00	
H04L 29/08	A23L 33/195	
H04W 8/00	(00) Assignment	
G06F 3/0346	(71) InterDigital Madison Patent Holdings, SAS	
(00) Assignment	(73) InterDigital Madison Patent Holdings, SAS	
(71) Biotechnology Research Center, Shandong Academy of Agricultural Sciences	(11) EP3166070	
(11) 2026532	(00) 23.02.2022	
(00) 02.03.2022	(51) G06T 3/40	
(51) C12Q 1/6895	G06T 5/00	
(00) Change of owner(s) name	(00) Assignment	
(71) Drushtvo za trgovija usluga i konsalting	(71) CRAGE medical Co., Limited	
(73) Drushtvo za trgovija usluga i konsalting	(73) CRAGE medical Co., Limited	
(11) EP3513885	(11) EP3333192	
(00) 01.03.2022	(00) 03.03.2022	
(51) B09B 3/00	(51) A61K 39/395	
F27B 7/20	A61K 48/00	
F27B 7/34	A61P 35/00	
F27B 7/36	C07K 16/30	
F27D 17/00	C07K 16/46	
F27D 99/00	C07K 19/00	
(00) Assignment	C12N 5/10	
(71) BASF SE	C12N 15/13	
(73) BASF SE	C12N 15/62	
(11) EP3500518	C12N 15/63	
(00) 01.03.2022	(00) Assignment	
(51) B67D 7/02	(71) LANXESS Corporation	
(00) Assignment	(73) LANXESS Corporation	
(71) InterDigital Madison Patent Holdings, SAS	(11) EP3565804	
(73) InterDigital Madison Patent Holdings, SAS	(00) 01.03.2022	
(11) EP3059924	(51) B01J 23/00	
(00) 23.02.2022	B01J 23/80	
(51) H04L 29/06	B01J 35/00	
(00) Assignment	B01J 35/02	
(71) Clariant Produkte (Deutschland) GmbH	B01J 35/10	
(73) Clariant Produkte (Deutschland) GmbH	B01J 37/04	
(11) EP3177672	B01J 37/06	
(00) 22.02.2022	B01J 37/08	
(51) B01J 20/18	C07C 209/18	
C07C 45/55	C07C 211/48	
C07C 51/31	C10L 1/223	
C07D 307/50	C10L 10/10	
C08H 8/00	(00) Assignment	
(00) Assignment	(71) SISVEL International S.A.	
(71) Nordmark Arzneimittel Holding GmbH & Co. KG	(73) SISVEL International S.A.	
(73) Nordmark Pharma GmbH	(11) EP3010197	
(11) EP3344281	(00) 03.03.2022	
(00) 07.03.2022	(51) H04W 72/04	
(51) A61K 9/00	H04W 76/14	
A61K 38/16	H04W 4/70	
A61K 38/46	H04W 8/00	
A23L 33/00	(00) Assignment	
A23L 33/195	(71) Leviat GmbH	
	(73) Leviat GmbH	
	(11) EP3643846	
	(00) 25.02.2022	
	(51) E04B 1/41	
	F16B 37/04	

TVH

**Topografieën van halfgeleiderproducten.
Contains data concerning Semiconductors.**