



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding**Hoofdblad**

Het Hoofdblad de Industriële Eigendom verschijnt iedere donderdag op de website van het Octrooicentrum Nederland.

Bezoekadres: Octrooicentrum Nederland

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadres:

Postbus 10366

2501 HJ Den Haag

Telefoon: 088-0424002

Bankrekeningnummer:

ING 0705001296

IBAN: NL41INGB070500129

BIC: INGBNL2A

Introduction**Patent Bulletin**

The Patent Bulletin appears every Thursday on the Netherlands Patent Office website.

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 0424002

Bank Account Number:

ING 0705001296

IBAN: NL41INGB070500129

BIC: INGBNL2A

Inhoudsopgave	Content	Blz./Page
Rubriek NP1 Nederlandse octrooiaanvragen die zijn ingeschreven ex Rijksoctrooiwet 1995.	Heading NP1 Netherlands patent applications which have been entered in the patent register ex NL Patent Law 1995.	8
Rubriek NP2 Ingeschreven en verleende Nederlandse octrooien ex Rijksoctrooiwet 1995.	Heading NP2 Netherlands patents which have been entered in the patent register ex NL Patent Law 1995.	11
Rubriek NP3 Nederlandse octrooien na gedeeltelijke afstand ex artikel 63 van de Rijksoctrooiwet 1995.	Heading NP3 Netherlands patents after partial limitation ex Article 63 of the NL Patent Law 1995.	14
Rubriek EP1 Vertaalde conclusies van Europese octrooiaanvragen.	Heading EP1 Translations of the claims of European patent applications.	15
Rubriek EP2 Voor Nederland verleende Europese octrooien.	Heading EP2 European patents granted for the Netherlands.	16
Rubriek EP3 Voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend ex artikel 52 lid 1 van de Rijksoctrooiwet 1995.	Heading EP3 European patents granted for the Netherlands in which a translation was filed ex Article 52 par. 1 of the NL Patent Law 1995.	164
Rubriek EP4 Voor Nederland verleende gewijzigde Europese octrooien.	Heading EP4 European patents granted in amended form for the Netherlands.	205
Rubriek EP5 Voor Nederland verleende gewijzigde Europese octrooien waarvoor een gewijzigde vertaling is ingediend ex artikel 52 lid 6 van de Rijksoctrooiwet 1995.	Heading EP5 European patents granted in amended form for the Netherlands in which an amended translation was filed ex Article 52 par. 6 of the NL Patent Law 1995.	207

Rubriek SPC Aangevraagde en verleende aanvullende beschermingscertificaten (of de verlengingen van de aanvullende beschermingscertificaten).	Heading SPC Applications and granted Supplementary Protection Certificates (or the extensions of the Supplementary Protection Certificates).	209
Rubriek VB1 Herstelverzoeken, bezwaarschriften, beroepschriften of hoger beroepschriften ingediend ex Rijksoctrooiwet 1995.	Heading VB1 Requests for restoration and notices of objection, notices of objection to Court, notices of objection to appellate court ex NL Patent Law 1995.	210
Rubriek VB2 Beslissingen genomen op herstelverzoeken, bezwaarschriften, beroepschriften of hoger beroepschriften ex Rijksoctrooiwet 1995.	Heading VB2 Requests for restoration and notices of objection, notices of objection to Court, notices of objection to appellate court ex NL Patent Law 1995 in respect of which a decision has been taken.	211
Rubriek MED Overige mededelingen.	Heading MED Other communications.	212
Rubriek VRV Verval of nietigverklaring.	Heading VRV Lapse or annulment.	213
Rubriek VRB Correcties op eerdere publicaties.	Heading VRB Corrections on earlier publications.	234
Rubriek CO Wijzigingen in het Nederlands Octrooiregister.	Heading CO Changes in the Netherlands Patent Register.	235
Rubriek TVH Topografieën van halfgeleiderproducten.	Heading TVH Depots of topographies of semiconductor products.	238
Rubriek UP1 Europese octrooien met geregistreerde eenheidswerking.	Heading UP1 European patents with registered Unitary Effect.	239

Rubriek UP2 Europese octrooien met geregistreerd verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie).	Heading UP2 European patents with registered request ex Article 52a NL Patent Law 1995 (restoration of validation right).	243
Rubriek UP3 Europese octrooien met een geaccepteerd verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie) en complete validatie.	Heading UP3 European patents with accepted ex Article 52a NL Patent Law 1995 (restoration of validation right) and validation completed.	244
Rubriek UP4 Europese octrooien met een geaccepteerd verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie) en geen complete validatie.	Heading UP4 European patents with accepted request ex Article 52a NL Patent Law 1995 (restoration of validation right) and incomplete validation.	245
Rubriek UP5 Europese octrooien met een afgewezen verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie).	Heading UP5 European patents with rejected request ex Article 52a NL Patent Law 1995 (restoration of validation right).	246
Rubriek UP6 Europese octrooien met een ingetrokken verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie).	Heading UP6 European patents with withdrawn request ex Article 52a NL Patent Law 1995 (restoration of validation right).	247
Rubriek Orde van Octrooigemachtigden Inschrijvingen en uitschrijvingen ex art. 27 lid 5 Uitvoeringsbesluit van de Rijksoctrooiwet 1995.	Heading Netherlands Institute of Patent Attorneys Registrations and deregistrations ex Article 27 par. 5 Patent Rules of the NL Patent Law 1995.	248

Overzicht van Inid codes

INID CODES

"INID" codes worden gebruikt op het voorblad van octrooigeschriften en in octrooibulletins. INID is een acronym van Internationally agreed Numbers for the Identification of Data. De definities van INID codes worden gegeven in WIPO standaard ST. 9 (situatie van juni 2023) en staan hieronder weergegeven.

- (11) Octrooinummer
- (13) Soort document volgens WIPO standaard ST.16
- (15) Informatie over correctie van het octrooi
- (21) Octrooiaanvraagnummer
- (22) Datum (datums) van indiening van de aanvra(a)g(en)
- (23) Overige datums
- (25) Taal waarin de gepubliceerde aanvraag oorspronkelijk werd ingediend
- (26) Taal waarin de aanvraag is gepubliceerd
- (30) Voorrangsgegevens
- (31) Nummer(s) toegekend aan de voorrangsaanvra(a)g(en)
- (32) Datum (datums) van indiening van de voorrangsaanvra(a)g(en)
- (33) WIPO Standard ST.3 code die het land van herkomst identificeert dat het nummer van de voorrangsaanvraag toekent; voor internationale octrooiaanvragen die onder de PCT worden ingediend, wordt de code "WO" gebruikt.
- (34) Voor indieningen van voorrangsaanvragen onder de regionale of internationale regelingen, duidt de WIPO Standard ST.3 code ten minste één land aan dat is aangesloten bij het Unieverdrag van Parijs waarvoor de regionale of internationale aanvraag werd ingediend (het oorspronkelijke land van indiening).
- (40) Datum (datums) van inschrijving van de aanvraag.
- (41) Datum van inschrijving van een niet onderzochte en niet verleende octrooiaanvraag
- (42) Datum van inschrijving van een onderzochte octrooiaanvraag.

INID CODES

"INID" Codes are used on the front pages of patent documents and in official gazettes. "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 June 2023) and are listed below.

- (11) Patent number
- (13) Kind-of-document code according to WIPO standard ST.16
- (15) Patent correction information
- (21) Application number
- (22) Date(s) of filing the application(s)
- (23) Other date(s)
- (25) Language in which the published application was originally filed
- (26) Language in which the application is published
- (30) Priority Data
- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filling of priority application(s)
- (33) WIPO Standard ST.3 code identifying 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) For priority filings 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) Date(s) of making available to the public.
- (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) 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 octrooiaanvraag is gepubliceerd. | (43) Date of making available to the public by printing or similar process of an unexamined patent document, on which no grant has taken place on or before the said date. |
| (44) Datum van publicatie van een onderzochte octrooiaanvraag die nog niet verleend is. | (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 waarop het octrooigeschrift is uitgegeven. | (45) Date of making available to the public by printing or similar process of a patent document on which grant has taken place on or before the said date. |
| (47) Datum van verlening van het octrooi. | (47) Date of making available to the public by viewing, or copying on request, a patent document on which grant has taken place on or before the said date. |
| (48) Datum waarop een correctie 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 en indien mogelijk, de indieningsdatum van de eerdere (octrooi) aanvraag waarvan de voorliggende (octrooi) aanvraag is afgesplitst. | (62) Number and, if possible, filing date of the earlier application from which the present document has been divided out. |
| (68) Nummer van het basisoctrooi behorende bij het ABC. | (68) For an SPC, number of the basic patent and/or, where appropriate, the publication number of the patent document. |
| (71) Na(a)m(en) van de aanvrager(s) | (71) Name(s) of the applicant(s) |
| (72) Na(a)m(en) van de uitvinder(s) indien ze als zodanig bekend zijn | (72) Name(s) of the inventor(s) if known to be such |
| (73) Na(a)m(en) van de octrooihouder(s) | (73) Name(s) of grantee(s), holder(s), assignee(s) or owner(s) |
| (74) Na(a)m(en) van de gemachtigde(n) | (74) Name(s) of the attorney(s) or agent(s) |
| (75) Na(a)m(en) van uitvinder(s) die tevens aanvrager(s) zijn | (75) Name(s) of inventor(s) who is (are) also applicant(s) |
| (81) Aangewezen landen volgens de PCT | (81) Designated States(s) according to the PCT |
| (83) Informatie over depots van micro-organismen | (83) Information concerning the deposit of microorganisms |
| (84) Aangewezen landen bij regionale octrooien | (84) Designated Contracting States under regional patent conventions |
| (92) Nummer en datum van de eerste nationale vergunning voor een ABC voor een geneesmiddel of gewasbeschermingsmiddel. | (92) For an SPC, number and date of the first national authorization to place the product on the market as a medicinal product or plant protection product. |
| (93) Nummer en datum (en indien van toepassing land van oorsprong) van de eerste EU vergunning voor een ABC voor een geneesmiddel of gewasbeschermingsmiddel. | (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 or plant protection product within a regional economic community. |
| (94) Berekende expiratedatum van het ABC. | (94) Calculated date of expiry of the SPC or the duration of the SPC. |
| (95) Het product beschermd door het basisoctrooi en waarvoor (de verlenging van) het ABC is aangevraagd of verleend. | (95) The product protected by the basic patent and in respect of which the SPC or the extension of the SPC has been applied for or granted. |

Rubrieken/Headings

NP1

Nederlandse octrooiaanvragen die zijn ingeschreven ex Rijsoctrooiwet 1995. Netherlands patent applications which have been entered in the patent register ex NL Patent Law 1995.

(51) A23N 5/00	(74) dr. A. Krebs	(21) 2033685
(21) 2036227	(72) Fijs van Leeuwen	(22) 07.12.2022
(22) 10.11.2023	Danny van Willigen	(54) Apparatus and method for splicing a tire component
(54) SMALL-SIZED FRESH WALNUT SHELL-OPENING DEVICE	Meta Roestenberg	(71) VMI Holland B.V.
(71) Tarim University	Clarize de Korne	(74) ir. F.A. Geurts c.s.
(74) dr. T. Wittop Koning PhD	Tessa Buckle	(72) Luuk van Tienen
(72) Yongcheng Zhang	(41) 17.06.2024	Erwin Jacobus Adrianus Pieters
Yong Zeng	(51) A62C 4/02	Hans de Boer
Yang Liu	F17C 13/12	(41) 12.06.2024
Yurou Zhang	(21) 2033687	(51) B32B 7/12
Biqi Mao	(22) 07.12.2022	B32B 21/02
(31) 202211602720.6	(54) FLAME ARRESTOR DEVICE AND METHOD FOR FLAME ARRESTMENT	B32B 21/10
(32) 13.12.2022	(71) BNR-Capital B.V.	B32B 5/08
(33) China	(74) dr. ir. G.J.C. Verdijck c.s.	B32B 5/26
(51) A61K 35/17	(72) Elger Gjalt Turksma	B27N 3/04
A61P 35/00	Tienus Lukkes	C08L 97/02
G01N 33/569	(41) 12.06.2024	(21) 2033678
A61K 39/00	(51) A63F 13/20	(22) 06.12.2022
C12N 5/0783	(21) 1044486	(54) A method for manufacturing a laminate comprising a stack of composite fibre boards
C12N 5/0784	(22) 12.12.2022	(71) ECOR Global Inc
C12N 5/09	(54) Bouwpakket voor een sim game console gemaakt uit steigerbuis materiaal en steigerbuis koppelingen	(74) ir. A. Blokland c.s.
(21) 2033706	(71) Maas van Beek	(72) Branko Bugarcic
(22) 09.12.2022	(72) Maas van Beek	Dejan Vujovic
(54) Identification and/or isolation of T cell-comprising cell-cell complexes and use thereof.	(41) 17.06.2024	Nemanja Nikolic
(71) Stichting Het Nederlands Kanker Instituut-Antoni van Leeuwenhoek Ziekenhuis	(51) B05B 5/03	Roberto Reyes
(74) ir. A. Blokland c.s.	B05B 1/28	(51) B60L 58/13
(72) Sofia Ibañez Molero	A23L 3/36	B60L 58/15
Daniel Simon Peeper	B05B 7/00	B60L 58/12
Johanna Veldman	(21) 2033712	B60L 58/14
(41) 14.06.2024	(22) 12.12.2022	(21) 2033703
(51) A61M 5/31	(54) Coflowing spraying system for spraying an area or surface of an object and use thereof	(22) 09.12.2022
A61J 1/20	(71) Van Laer Technology B.V.	(54) System and method for performing an animal-related action, and in combination, a barn for keeping animals and a system of this kind
B65B 3/00	(74) ir. A. Blokland c.s.	(71) Lely Patent N.V.
(21) 2033713	(72) Hubertus Joannes van Laer	(74) ir. M.J.F.M. Corten
(22) 12.12.2022	(51) B07B 1/00	(72) Ralph Hornecker
(54) Method and device for filling syringes	B07B 9/00	Mauro Brenna
(71) SJJ Solutions B.V.	B07B 1/28	Alexis Siagkris-Lekkos
(74) ir. H.A. Witmans c.s.	(21) 2033686	(41) 14.06.2024
(72) Joost Schootstra	(22) 07.12.2022	(51) C04B 7/32
Sietse Martijn Visser	(54) Werkwijze voor het terugwinnen van herbruikbare bestanddelen uit een residu uit sorteerlijnen voor bouw en sloopafval.	(21) 2036279
(41) 17.06.2024	(71) Theo Pouw Beheer B.V.	(22) 15.11.2023
(51) A61P 35/00	(74) ir. A. Blokland c.s.	(54) BORON-PHOSPHORUS COMPOSITE MODIFIED HIGH BELITE SULPHOALUMINATE CEMENT CLINKER AND PREPARATION METHOD THEREOF
C09B 23/08	(72) Alexander Pouw	(71) China National Building Material Group Co., Ltd.
C09B 57/00	(41) 12.06.2024	China Building Materials Academy Co., Ltd.
G01N 33/533	(51) B29C 65/62	(74) dr. A. Krebs
(21) 2033714	B29D 30/42	
(22) 12.12.2022	B29C 65/78	
(54) MULTIPLEXING TARGETING AND IMAGING AGENTS	B29C 65/00	
(71) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)	B65H 21/00	
	B29L 30/00	

(72) Nan An Wenjuan Cui Lixue Cao Wensheng Zhang Jiayuan Ye Hongtao Zhang Xuehong Ren (31) 202211593943.0 (32) 13.12.2022 (33) China	(71) SealteQ Group B.V. (74) ir. H.A. Witmans c.s. (72) Martin Christiaan van der Leest Peter Westra (41) 17.06.2024	(21) 2033691 (22) 08.12.2022 (54) METHOD FOR DISPLAYING A STEREOSCOPIIC IMAGE ON AN AUTOSTEREOSCOPIIC DISPLAY DEVICE (71) Dimenco Holding B.V. (74) dr. T. Hubregtse (72) Pieter Wilhelmus Theodorus de Jong Jurjen Caarls
(51) C09D 11/38 C09D 11/10 C09D 11/322 (21) 2033694 (22) 08.12.2022 (54) Inkjet ink with improved shelf life (71) Xeikon Manufacturing N.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Wouter Jeroom Maria van Gaens Geert Gaston Paul Deroover Werner Jozef Johan Op de Beeck Lode Erik Dries Deprez	(71) Wu'an Water Resources Bureau Hohai University Handan Design and Research Institute of Water Conservancy and Hydropower (74) ir. W.J.J.M. Kempes (72) Chao Wang Qinghua Luan Guang Han Lei Sun Yuanshan You Xinrui Ding Qingsha Chen Yun Lin Xinyue Zhang	(51) G04B 1/10 F03G 1/02 G04B 1/14 (21) 2033701 (22) 09.12.2022 (54) Energy storage system for a mechanical watch (71) ROLEX SA (74) mr. ir. J. van Breda c.s. (72) Eola Jessica Giuffre Robyn Frances Louise Gerlach Robin Mak (41) 14.06.2024
(51) C10G 1/10 F01K 3/18 (21) 2033697 (22) 08.12.2022 (54) METHOD AND DEVICE FOR CONTINUOUS CRACKING WITH INTEGRATED HEATING LOOP (71) BlueAlp Innovations B.V. (74) drs. W.H.P. Derks (72) Rob Braat Teunis Christiaan van der Ree Rik Goldsmits Sem Heijmans (41) 14.06.2024	(51) E04H 4/10 F24S 20/70 (21) 2033688 (22) 07.12.2022 (54) RETIENDE PROCESS WATER STRAALINGSSYSTEEM BESTAANDE UIT EEN BASIS EN EEN ZOLAR ENERGI STRUCTUUR. (71) ErfGoed Nederland B.V. (74) ir. J.C. Volmer c.s. (72) Hugo Willem Lambertus Paans (41) 12.06.2024	(51) G04B 1/10 G04B 1/14 F03G 1/02 (21) 2033700 (22) 09.12.2022 (54) Energy storage system for a mechanical watch (71) ROLEX SA (74) mr. ir. J. van Breda c.s. (72) Maarten Pieter Lustig Robyn Frances Louise Gerlach Eola Jessica Giuffre Roemer Michiel Helwig (41) 14.06.2024
(51) C12N 15/63 C12N 15/67 C12N 15/113 C12N 15/86 (21) 2033707 (22) 09.12.2022 (54) Altering RNA sequences in non-coding regions for modification of protein expression (71) Stichting Sanquin Bloedvoorziening (74) ir. A. Blokland c.s. (72) Benoît Pierre Nicolet Monika Christine Wolkers (41) 14.06.2024	(51) E21B 33/12 C01F 5/24 (21) 2036183 (22) 03.11.2023 (54) HYDRATED METAL CARBONATE FOR CARBON CAPTURE AND UNDERGROUND STORAGE (71) Halliburton Energy Services, Inc. (74) dr. ir. F.M. van Bouwelen (72) Mathusan Mahedran Cem Sonat Michael Linley Fripp (31) 18/078,552 (32) 09.12.2022 (33) United States of America	(41) 14.06.2024 (51) G06F 3/02 (21) 1044484 (22) 11.12.2022 (54) UNIBODY KEYBOARD (71) Arc Technologies B.V. (72) Moritz Angermann (41) 17.06.2024 (51) G06F 3/02 (21) 1044485 (22) 11.12.2022 (54) MODULAR KEYBOARD (71) Arc Technologies B.V. (72) Moritz Angermann (41) 17.06.2024
(51) D01G 1/04 B28C 5/40 (21) 2033693 (22) 08.12.2022 (54) CHOPPER DEVICE (71) Hamamelia B.V. (74) ir. W.J.J.M. Kempes (72) Jan Willem van Toor (41) 14.06.2024	(51) G01N 33/02 G01N 21/01 G01N 21/59 (21) 2037695 (22) 14.05.2024 (54) An Internal Quality Detection Device for Cayenne Pepper Based on Diffuse Transmission and Regular Transmission (71) Anhui Agricultural University (74) dr. A.V. Huygens (72) Shuai Song Wei Xiong Lichen Zhou Hao Yu Dequan Zhu	(51) G06N 3/04 G06V 10/26 G06T 7/11 G06V 10/82 G06V 20/70 (21) 2037705 (22) 15.05.2024 (54) METHOD FOR BRAIN MRI TUMOR SEGMENTATION BASED ON CN-UNET VARIANT NETWORK (71) Chengdu University of Technology (74) ir. W.J.J.M. Kempes (72) Dongmei Zhou Chao Wei Hongyu Yao Xiao Huang
(51) E02B 3/06 E02D 29/02 E21D 20/02 E04G 23/02 (21) 2033709 (22) 12.12.2022 (54) Quay-wall comprising masonry and method of reinforcing such a quay-wall.	(51) G02B 30/27	

Hao Luo	(72) Atsushi Ueda
(31) 202410313700X	(31) 2022-198038
(32) 19.03.2024	(32) 12.12.2022
(33) China	(33) Japan

(51) H01L 31/0465
(21) 2034687
(22) 25.04.2023
(54) PHOTOVOLTAIC MODULE AND
METHOD FOR MANUFACTURING
PHOTOVOLTAIC MODULE
(71) JINKO SOLAR (HAINING) CO., LTD.
(74) ir. J.D. de Zeeuw
(72) Zhipeng Xia
Changming Liu
Hao Jin
Hui Wang
Long Wang
Jide Huang
Xinyu Zhang
(31) 202211601073.7
(32) 12.12.2022
(33) China

(51) H01M 10/04
H01M 10/0561
H01M 10/052
H01M 10/0568
H01M 10/054
H01M 10/0569
(21) 2033704
(22) 09.12.2022
(54) High entropy liquid electrolytes for Li-ion
or Na-ion batteries
(71) Technische Universiteit Delft
(74) drs. P.A. van Essen c.s.
(72) Chenglong Zhao
Qidi Wang
Marnix Wagemaker
(41) 14.06.2024

(51) H02S 20/23
H02S 20/26
(21) 2033690
(22) 08.12.2022
(54) Modular Photovoltaic Assembly
(71) Exasun B.V.
(74) dr. A. Krebs
(72) Jan-Jaap Eduard van Os
(41) 14.06.2024

(51) H04L 9/32
(21) 1044483
(22) 10.12.2022
(54) METHOD FOR ELECTRONIC SIGNING
WITH MULTIPLE SIGNING KEYS
ALLOWING PROOF OF USING SAME
POSSESSION FACTOR
(71) Wellet B.V.
(72) Dr. Eric Robert Verheul
(41) 14.06.2024

(51) H05G 2/00
G03F 7/20
(21) 2036152
(22) 31.10.2023
(54) EXTREME ULTRAVIOLET LIGHT
GENERATION CHAMBER DEVICE
AND ELECTRONIC DEVICE
MANUFACTURING METHOD
(71) Gigaphoton Inc.
(74) ir. A. Blokland c.s.

NP2

Ingeschreven en verleende Nederlandse octrooien ex Rijksoctrooiwet 1995.

Netherlands patents which have been entered in the patent register ex NL Patent Law 1995.

(51) A01B 79/00	Xiang Li	(47) 17.06.2024
A01B 79/02	Lulin Ma	(22) 12.12.2022
A01G 22/00	Qing Duan	(54) MULTIPLEXING TARGETING AND
(11) 2036235	(74) dr. T. Wittop Koning PhD	IMAGING AGENTS
(47) 14.06.2024	(31) 202211435377.0	(73) Academisch Ziekenhuis Leiden (h.o.d.n.
(22) 10.11.2023	(32) 16.11.2022	LUMC)
(54) A RESTORATION METHOD	(33) China	(72) Fijs van Leeuwen
FOR WETLANDS BY NATURAL	(51) A61B 3/00	Danny van Willigen
GERMINATION OF SUAEDA SALSA	(11) 2031342	Meta Roestenbergh
(73) Beijing Normal University	(47) 17.06.2024	Clarize de Korne
(72) Qing Wang	(22) 21.03.2022	Tessa Buckle
Haochen Sui	(54) BINOCULAR VISUAL FUNCTION	(74) dr. A. Krebs
Xu Ma	EXAMINATION INSTRUMENT	(51) A62C 4/02
Baoshan Cui	(73) Chongqing Vocational Institute of	F17C 13/12
Dongdong Qiu	Engineering	(11) 2033687
Zhengze Liu	(72) Xiao Fu	(47) 12.06.2024
(74) dr. R.C. van Duijvenbode c.s.	Shaohua Fu	(22) 07.12.2022
(51) A01C 23/04	Maoxia Wang	(54) FLAME ARRESTOR DEVICE AND
A01G 25/16	Sha Wang	METHOD FOR FLAME ARRESTMENT
B01D 36/02	Linfeng Yi	(73) BNR-Capital B.V.
A01C 23/02	Xiayi Wu	(72) Elger Gjalt Turksma
A01G 25/06	(74) ir. M.B. Plaggenborg	Tienus Lukkes
(11) 2034494	(31) 202110522806.7	(74) dr. ir. G.J.C. Verdijck c.s.
(47) 14.06.2024	(32) 13.05.2021	(51) A63F 13/20
(22) 03.04.2023	(33) China	(11) 1044486
(54) PRESSURE CONTROL SYSTEM FOR	(51) A61K 35/17	(47) 17.06.2024
USE IN DRIP-IRRIGATING FARMLAND	A61P 35/00	(22) 12.12.2022
WITH SILT-LADEN WATER	G01N 33/569	(54) Bouwpakket voor een sim game console
(73) Institute Of Water Resources for Pastoral	A61K 39/00	gemaakt uit steigerbuis materiaal en
Area, MWR	C12N 5/0783	steigerbuis koppelingen
(72) Xiaoqiang Tian	C12N 5/0784	(73) Maas van Beek
Ping Miao	C12N 5/09	(72) Maas van Beek
Rui Feng	(11) 2033706	(51) B05B 5/03
Hexiang Zheng	(47) 14.06.2024	B05B 1/28
Xuesong Cao	(22) 09.12.2022	A23L 3/36
Bate'er Bai	(54) Identification and/or isolation of T cell-	B05B 7/00
Jun Wang	comprising cell-cell complexes and use	(11) 2033712
Limao Chang	thereof.	(47) 17.06.2024
Jiabin Wu	(73) Stichting Het Nederlands Kanker	(22) 12.12.2022
Haiyuan Lu	Instituut-Antoni van Leeuwenhoek	(54) Coflowing spraying system for spraying
Hua Fu	Ziekenhuis	an area or surface of an object and use
Changfu Tong	(72) Sofía Ibáñez Molero	thereof
(74) ir. W.J.J.M. Kempes	Daniel Simon Peeper	(73) Van Laer Technology B.V.
(31) 202210640109.6	Johanna Veldman	(72) Hubertus Joannes van Laer
(32) 08.06.2022	(74) ir. A. Blokland c.s.	(74) ir. A. Blokland c.s.
(33) China	(51) A61M 5/31	(51) B07B 1/00
(51) A01G 22/60	A61J 1/20	B07B 9/00
A01G 22/35	B65B 3/00	B07B 1/28
A01G 2/00	(11) 2033713	(11) 2033686
(11) 2035920	(47) 17.06.2024	(47) 12.06.2024
(47) 12.06.2024	(22) 12.12.2022	(22) 07.12.2022
(22) 28.09.2023	(54) Method and device for filling syringes	(54) Werkwijze voor het terugwinnen van
(54) Method of Controlling Germination	(73) SJJ Solutions B.V.	herbruikbare bestanddelen uit een residu
Number of Lily Scale Bulblets and	(72) Joost Schootstra	uit sorteerlijnen voor bouw en sloopafval.
Promoting Rapid Expansion of Bulblets	Sietse Martijn Visser	(73) Theo Pouw Beheer B.V.
(73) Flower Research Institute, YAAS	(74) ir. H.A. Witmans c.s.	(72) Alexander Pouw
(72) Jihua Wang	(51) A61P 35/00	(74) ir. A. Blokland c.s.
Xiangning Wang	C09B 23/08	(51) B25B 1/10
Guangfen Cui	C09B 57/00	B23Q 3/06
Wenwen Du	G01N 33/533	(11) 2036261
Wenjie Jia	(11) 2033714	(47) 17.06.2024

(22) 14.11.2023	B29C 64/118	F01K 3/18
(54) CLAMPING MECHANISM FOR THIN-WALLED ARC-SHAPED PART DURING CUTTING	B33Y 30/00 (11) 2036685 (47) 17.06.2024	(11) 2033697 (47) 14.06.2024 (22) 08.12.2022
(73) Hunan Xingtuo Aerospace and Spacecraft Manufacturing Co., Ltd	(22) 27.12.2023 (54) Ultrasonic micro rolling compaction device for processing continuous fiber composites	(54) METHOD AND DEVICE FOR CONTINUOUS CRACKING WITH INTEGRATED HEATING LOOP (73) BlueAlp Innovations B.V.
(72) Tao Tang Size Peng Rong Wang Xiangguo Luo Xiangming Huang	(73) NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS (72) Kai Liu Zhongde Shan	(72) Rob Braat Teunis Christiaan van der Ree Rik Goldsmits Sem Heijmans
(74) ir. W.J.J.M. Kempes (31) 202310370176.5 (32) 10.04.2023 (33) China	Congze Fan Jinghua Zheng Yiwei Chen Wenzhe Song	(74) drs. W.H.P. Derks
(51) B25J 11/00 B08B 3/02	(74) drs. C.M.A. Quintelier	(51) C12N 15/63 C12N 15/67 C12N 15/113 C12N 15/86
(11) 2036222 (47) 12.06.2024 (22) 09.11.2023	(51) B60L 58/13 B60L 58/15 B60L 58/12 B60L 58/14	(11) 2033707 (47) 14.06.2024 (22) 09.12.2022
(54) Synchronous operation control system and method based on power plant energy-saving synergistic robot	(11) 2033703 (47) 14.06.2024	(54) Altering RNA sequences in non-coding regions for modification of protein expression
(73) Beijing Huiyan Zhongke Technology Development Co., Ltd	(22) 09.12.2022 (54) System and method for performing an animal-related action, and in combination, a barn for keeping animals and a system of this kind	(73) Stichting Sanquin Bloedvoorziening (72) Benoît Pierre Nicolet Monika Christine Wolkers
(72) Yonglu Guo Xiaojun Han	(73) Lely Patent N.V. (72) Ralph Hornecker Mauro Brenna Alexis Siagkris-Lekkos	(74) ir. A. Blokland c.s.
(74) dr. T. Wittop Koning PhD (31) 202211495837.9 (32) 28.11.2022 (33) China	(74) ir. M.J.F.M. Corten	(51) D01G 1/04 B28C 5/40 (11) 2033693 (47) 14.06.2024 (22) 08.12.2022
(51) B29C 43/52 B29C 43/36 B29C 70/54	(51) C02F 1/66 C02F 1/00 C02F 1/52 C02F 1/78 C02F 1/74 C02F 1/28 C02F 9/00	(54) CHOPPER DEVICE (73) Hamamelia B.V. (72) Jan Willem van Toor (74) ir. W.J.J.M. Kempes
(11) 2034226 (47) 14.06.2024 (22) 27.02.2023	(11) 2034833 (47) 12.06.2024 (22) 15.05.2023	(51) E02B 3/06 E02D 29/02 E21D 20/02 E04G 23/02
(54) MOULD FOR HOT-PRESS FORMING OF THERMOPLASTIC COMPOSITE PLATES	(54) IMPROVED SEWAGE TREATMENT SYSTEM AND METHOD BASED ON COMBINED PHYSICAL AND CHEMICAL COAGULATION METHOD	(11) 2033709 (47) 17.06.2024 (22) 12.12.2022
(73) Anhui Jialiqi Advanced Composites Technology Co., Ltd.	(73) INNER MONGOLIA UNIVERSITY OF TECHNOLOGY (72) Yingying Ma	(54) Quay-wall comprising masonry and method of reinforcing such a quay-wall. (73) SealteQ Group B.V. (72) Martin Christiaan van der Leest Peter Westra
(72) Sheng Zhang Fengyun Zhu Sijiang Xia Sheng Chen	(74) ir. M.B. Plaggenborg (31) 202310367215.6 (32) 07.04.2023 (33) China	(74) ir. H.A. Witmans c.s.
(74) ir. M.B. Plaggenborg (31) 202210707007.1 (32) 21.06.2022 (33) China	(74) ir. M.B. Plaggenborg (31) 202310367215.6 (32) 07.04.2023 (33) China	(51) E04C 5/04 B66C 1/42 (11) 1044534 (47) 14.06.2024 (22) 01.12.2022
(51) B29C 65/62 B29D 30/42 B29C 65/78 B29C 65/00 B65H 21/00 B29L 30/00	(51) C09D 11/38 C09D 11/10 C09D 11/322	(54) Inrichting voor het optillen en afleggen van een wapeningsmat met behulp van een hijsinrichting (62) 1044479 (01.12.2022) (73) van Harten Machinebouw B.V. (72) Albert van Harten
(11) 2033685 (47) 12.06.2024 (22) 07.12.2022	(11) 2033694 (47) 14.06.2024 (22) 08.12.2022	(51) E04H 4/10 F24S 20/70 (11) 2033688 (47) 12.06.2024 (22) 07.12.2022
(54) Apparatus and method for splicing a tire component	(54) Inkjet ink with improved shelf life (73) Xeikon Manufacturing N.V. (72) Wouter Jeroom Maria van Gaens Geert Gaston Paul Deroover Werner Jozef Johan Op de Beeck Lode Erik Dries Deprez	(54) OUTDOOR PROCESS WATER RETENTION SYSTEM COMPRISING
(73) VMI Holland B.V. (72) Luuk van Tienen Erwin Jacobus Adrianus Pieters Hans de Boer	(74) dr. ir. G.J.C. Verdijck c.s.	
(74) ir. F.A. Geurts c.s.	(51) C10G 1/10	
(51) B33Y 10/00 B29C 64/194		

A BASIN AND A SOLAR ENERGY STRUCTURE.	(73) YUNNAN TOBACCO QUALITY SUPERVISION AND TESTING STATION	(47) 17.06.2024
(73) ErfGoed Nederland B.V.	(72) Dan Chen	(22) 11.12.2022
(72) Hugo Willem Lambertus Paans	Haiyan Li	(54) MODULAR KEYBOARD
(74) ir. J.C. Volmer c.s.	Junwen Li	(73) Arc Technologies B.V.
(51) E21B 17/00	Xiaowei Sun	(72) Moritz Angermann
E21B 33/10	Dan Li	(51) H01L 31/05
E21B 33/134	Jie Long	H01L 31/0224
(11) 2035675	Chao Li	H01L 31/0745
(47) 14.06.2024	Li Gao	H01L 31/18
(2) 25.08.2023	Ke Zhang	H01L 31/068
(54) PRE-POSITIONING A MELTABLE SEAL FOR PLUG AND ABANDONMENT	Haowei Sun	H01L 31/0352
(73) Halliburton Energy Services, Inc.	Chunqiong Wang	(11) 2034445
(72) David Lyall Mitchell	Jieyun Cai	(47) 14.06.2024
Michael Linley Fripp	Jianlong Gu	(22) 28.03.2023
(74) dr. ir. F.M. van Bouwelen	(74) ir. W.J.J.M. Kempes	(54) PHOTOVOLTAIC MODULE AND METHOD FOR MANUFACTURING PHOTOVOLTAIC MODULE
(31) 17/978,828	(31) 202310576430.7	(73) JINKO SOLAR (HAINING) CO., LTD.
(32) 01.11.2022	(32) 19.05.2023	(72) Zhiqiu Guo
(33) United States of America	(33) China	Yingli Guan
(51) F16F 9/56	(51) G02B 30/27	Shiliang Huang
B60G 11/28	(11) 2033691	(74) ir. J.D. de Zeeuw
(11) 2035540	(47) 14.06.2024	(31) 202210309343.0
(47) 14.06.2024	(22) 08.12.2022	(32) 28.03.2022
(22) 03.08.2023	(54) METHOD FOR DISPLAYING A STEREOSCOPIC IMAGE ON AN AUTOSTEREOSCOPIC DISPLAY DEVICE	(33) China
(54) AIR SUSPENSION DAMPING DEVICE	(73) Dimenco Holding B.V.	(51) H01M 10/04
(73) YANGZHOU POLYTECHNIC INSTITUTE	(72) Pieter Wilhelmus Theodorus de Jong	H01M 10/0561
(72) Yi Qiu	Jurjen Caarls	H01M 10/052
(74) M. Schmid	(74) dr. T. Hubregtse	H01M 10/0568
(51) G01N 30/06	(51) G04B 1/10	H01M 10/054
G01N 30/88	F03G 1/02	H01M 10/0569
(11) 2036104	G04B 1/14	(11) 2033704
(47) 14.06.2024	(11) 2033701	(47) 14.06.2024
(22) 24.10.2023	(47) 14.06.2024	(22) 09.12.2022
(54) METHOD FOR TRACKING RELEASE PATTERN OF VOLATILE SUBSTANCE IN TOBACCO	(22) 09.12.2022	(54) High entropy liquid electrolytes for Li-ion or Na-ion batteries
(73) YUNNAN TOBACCO QUALITY SUPERVISION AND TESTING STATION	(54) Energy storage system for a mechanical watch	(73) Technische Universiteit Delft
(72) Dan Li	(73) ROLEX SA	(72) Chenglong Zhao
Chunqiong Wang	(72) Eola Jessica Giuffre	Qidi Wang
Ke Zhang	Robyn Frances Louise Gerlach	Marnix Wagemaker
Yuchen Liu	Robin Mak	(74) drs. P.A. van Essen c.s.
Haiyan Li	(74) mr. ir. J. van Breda c.s.	(51) H02S 20/23
Dan Chen	(51) G04B 1/10	H02S 20/26
Zilong Zhang	G04B 1/14	(11) 2033690
Jieyun Cai	F03G 1/02	(47) 14.06.2024
Xiaowei Zhang	(11) 2033700	(22) 08.12.2022
Haowei Sun	(47) 14.06.2024	(54) Modular Photovoltaic Assembly
Jianlong Gu	(22) 09.12.2022	(73) Exasun B.V.
Li Gao	(54) Energy storage system for a mechanical watch	(72) Jan-Jaap Eduard van Os
Jie Long	(73) ROLEX SA	(74) dr. A. Krebs
Wei Liu	(72) Maarten Pieter Lustig	(51) H04L 9/32
Yanbo Luo	Robyn Frances Louise Gerlach	(11) 1044483
(74) ir. W.J.J.M. Kempes	Eola Jessica Giuffre	(47) 14.06.2024
(31) 202310576276.3	Roemer Michiel Helwig	(22) 10.12.2022
(32) 19.05.2023	(74) mr. ir. J. van Breda c.s.	(54) METHOD FOR ELECTRONIC SIGNING WITH MULTIPLE SIGNING KEYS ALLOWING PROOF OF USING SAME POSSESSION FACTOR
(33) China	(51) G06F 3/02	(73) Wellet B.V.
(51) G01N 30/06	(11) 1044484	(72) Dr. Eric Robert Verheul
G01N 30/88	(47) 17.06.2024	
(11) 2036073	(22) 11.12.2022	
(47) 14.06.2024	(54) UNIBODY KEYBOARD	
(22) 19.10.2023	(73) Arc Technologies B.V.	
(54) METHOD FOR DETERMINING CONTENT OF ORGANIC ACID IN SMOKE OF HEATED TOBACCO PRODUCT	(72) Moritz Angermann	
	(51) G06F 3/02	
	(11) 1044485	

NP3

Nederlandse octrooien na gedeeltelijke afstand ex artikel 63 van de Rijsoctrooiwet 1995. Netherlands patents after partial limitation ex Article 63 of the NL Patent Law 1995.

- (51) H02S 20/23
 - H02S 30/00
 - F24S 30/20
 - F24S 30/00
- (11) 2031243
- (47) 20.09.2023
- (22) 10.03.2022
- (54) Montage-eenheid voor zonnepanelen
- (73) Tinteq Holding B.V.
- (72) Jasper Beekmann
 - Matthijs Amandus Barentsen
- (00) Akte van gedeeltelijke afstand

EP1

**Vertaalde conclusies van Europese octrooiaanvragen.
Translations of the claims of European patent applications.**

(43) 03.08.2022
(11) EP4034808
(51) F21V 5/00
(71) HGCI, Inc.

EP2

**Voor Nederland verleende Europese octrooien.
European patents granted for the Netherlands.**

(51) A01C 1/08	13.10.2015	(54) COMPOSITIONS AND METHODS FOR PRODUCING TOBACCO PLANTS AND PRODUCTS HAVING ALTERED ALKALOID LEVELS WITH DESIRABLE LEAF QUALITY
A01G 7/04	13.10.2015	(73) Altria Client Services LLC
(11) EP4017246	13.08.2015	(72) XU, Dongmei
(21) EP20811778.8	15.04.2015	DE GODOY LUSSO, Marcos Fernando
(47) 19.06.2024	(33) United Kingdom	FREDERICK, Jesse
(87) SI2020050025	United Kingdom	KUDITHIPUDI, Chengalrayan
19.05.2022	United Kingdom	STRICKLAND, James A.
(22) 11.11.2020	United Kingdom	(31) 201862638928 P
(54) METHOD FOR STERILIZATION OF CROPS	United Kingdom	(32) 05.03.2018
(73) INTERKORN SEMENARSTVO IN OBNOVLJIVI VIRI D.O.O.	United Kingdom	(33) United States of America
(72) GSELMAN, Peter	United Kingdom	
(51) A01F 15/08	(51) A01G 9/24	(51) A01J 5/013
A01B 79/00	(11) EP3790379	G01N 33/04
(11) EP3417698	(21) EP19742999.6	A01J 5/007
(21) EP18178907.4	(47) 19.06.2024	(11) EP3996495
(47) 19.06.2024	(87) NL2019050278	(21) EP20737629.4
(22) 20.06.2018	14.11.2019	(47) 19.06.2024
(54) GRASS MANAGEMENT SYSTEM AND A METHOD FOR OPERATING A FORMING MACHINE	(22) 09.05.2019	(87) SE2020050694
(73) Kubota Corporation	(54) HORTICULTURAL AND/OR AGRICULTURAL GREENHOUSE	14.01.2021
(72) Ishikawa, Shinnosuke	(73) Dalsem Beheer B.V.	(22) 01.07.2020
Umemoto, Susumu	(72) LANSU, Peter Eduard Maria	(54) MILK ANALYSIS APPARATUS AND TEMPERATURE ADJUSTMENT THEREIN
Kurata, Ryo	(31) 2020907	(73) DeLaval Holding AB
Fujimoto, Yoshitomo	(32) 09.05.2018	(72) CARLSEN, Thomas Nikolai
(31) 2017121879	(33) Netherlands	SLAABY, John
(32) 22.06.2017	(51) A01G 31/06	(31) 1950873
(33) Japan	A01G 31/02	(32) 09.07.2019
(51) A01G 9/16	F16B 7/04	(33) Sweden
B65G 63/00	A01G 31/04	
(11) EP3282829	(11) EP3758470	(51) A01K 63/00
(21) EP16720056.7	(21) EP19760378.0	A01K 61/60
(47) 19.06.2024	(47) 19.06.2024	A01M 29/24
(87) EP2016058381	(87) US2019017719	(11) EP3662748
20.10.2016	06.09.2019	(21) EP18842311.5
(22) 15.04.2016	(22) 12.02.2019	(47) 19.06.2024
(54) ROBOTIC CONTAINER HANDLING DEVICE AND METHOD	(54) MULTI-PIECE HYDROPONIC TOWER WITH HINGED TOWER FACE	(87) JP2018025768
(73) Ocado Innovation Limited	(73) MJNN, LLC	07.02.2019
(72) INGRAM-TEDD, Andrew, John	(72) IBRAHIM, Alex	(22) 06.07.2018
KAROLINCZAK, Pawel	KLEIN, Brice	(54) DEVICE FOR PREVENTING AQUATIC ORGANISMS FROM JUMPING OUT
WHELAN, Matthew	MATERA, Matthew	(73) Furusawa, Yosuke
LINDBO, Lars, Sverker, Ture,	LE ROUX, Alexandre	(72) Furusawa, Yosuke
(31) 201603328	FLYNN, Michael	(31) 2017151082
201602332	(31) 201815968425	(32) 03.08.2017
201518117	201815910601	(33) Japan
201518115	(32) 01.05.2018	
201518111	02.03.2018	(51) A01K 89/0155
201518094	(33) United States of America	(11) EP3884774
201518091	United States of America	(21) EP21153506.7
201518089	(51) A01H 5/12	(47) 19.06.2024
201514428	C12N 15/82	(22) 26.01.2021
201506365	(11) EP3761780	(54) BRAKING DEVICE AND FISHING REEL EQUIPPED WITH THE SAME
(32) 25.02.2016	(21) EP19713247.5	(73) Globberide, Inc.
09.02.2016	(47) 19.06.2024	(72) YASUDA, Hiromu
13.10.2015	(87) US2019020567	(31) 2020052044
13.10.2015	07.11.2019	(32) 24.03.2020
13.10.2015	(22) 04.03.2019	(33) Japan
13.10.2015		(51) A01M 7/00

(11) EP4098120	(22) 22.05.2018	(11) EP4062776
(21) EP22401011.6	(54) COMBINATION FOR REDUCING BLOOD LEAD	(21) EP21000172.3
(47) 19.06.2024		(47) 19.06.2024
(22) 30.05.2022	(73) Beijing Ruiqianjing Science And Technology Development Co. Ltd.	(22) 30.06.2021
(54) AGRICULTURAL BOOM AND FIELD SPRAYER	(72) YANG, Bingjun	(54) ATOMIZATION ASSEMBLY
(73) Amazonen-Werke H. Dreyer SE & Co. KG	CHI, Mingguo	(73) Shenzhen Eigate Technology Co., Ltd.
(72) Kowollik, Daniel	BI, Wei	(72) Liu, Tuanfang
(31) 102021114405	(31) 201710367848	(31) 202121038999 U
(32) 03.06.2021	(32) 23.05.2017	202110531215
(33) Germany	(33) China	202110310907
(51) A01N 31/02	(51) A24B 15/00	202120592272 U
A01P 7/02	A24B 15/24	(32) 16.05.2021
A01P 7/04	A23L 5/20	16.05.2021
(11) EP3883381	(11) EP3979838	23.03.2021
(21) EP19838943.9	(21) EP20730053.4	(33) China
(47) 19.06.2024	(47) 19.06.2024	China
(87) IB2019059929	(87) EP2020065711	China
28.05.2020	10.12.2020	China
(22) 19.11.2019	(22) 05.06.2020	(51) A24F 40/44
(54) USE OF POLYETHYLENE GLYCOL FOR THE CONTROL OF PLANT-DAMAGING INSECTS AND ACARI	(54) METHOD OF PRODUCING A BLENDED LIQUID TOBACCO EXTRACT FROM TWO OR MORE TOBACCOS	A61M 15/06
(73) 12STEPS ITALIA S.r.l.	(73) Philip Morris Products S.A.	A24F 40/46
(72) MIGLIO, Giovanni	(72) TZIMOULIS, Steve	A24F 40/485
(31) 201800010454	SILVESTRINI, Patrick Charles	(11) EP3809893
(32) 20.11.2018	MIVELAZ, Benoît	(21) EP19734554.9
(33) Italy	RAPHOZ, Christel	(47) 19.06.2024
(51) A22C 17/00	FARINE, Marie	(87) US2019036136
A22C 17/12	LANASPEZE, Sébastien	12.12.2019
(11) EP3657952	(31) 19178550	(22) 07.06.2019
(21) EP18837813.7	(32) 05.06.2019	(54) CARTRIDGES FOR VAPORIZER DEVICES
(47) 19.06.2024	(33) European Patent Office (EPO)	(73) Juul Labs, Inc.
(87) CA2018050904	(51) A24B 15/16	(72) LEON DUQUE, Esteban
31.01.2019	A24B 15/14	ATKINS, Ariel
(22) 25.07.2018	A24B 15/167	BOWEN, Adam
(54) CUTTING ASSEMBLY FOR TRIMMING PIECES OF MEAT, PROCESSING SYSTEM INCLUDING SUCH A CUTTING ASSEMBLY, AND CORRESPONDING METHODS OF OPERATING AND USE ASSOCIATED THERETO	A24B 15/30	CHRISTENSEN, Steven
(73) Équipements Frontmatec Inc.	A24B 15/18	MONSEES, James
(72) WELLS CAMPAGNA, Antoine	(11) EP4201229	(31) 201962848681 P
LEMIEUX, Alexandre	(21) EP22214279.6	201862682144 P
BERGERON, Kevin	(47) 19.06.2024	(32) 16.05.2019
(31) 201762536736 P	(22) 16.12.2022	07.06.2018
(32) 25.07.2017	(54) A METHOD FOR PREPARING A HOOKAH CONSUMABLE COMPOSITION	(33) United States of America
(33) United States of America	(73) HTL-DHT B.V.	United States of America
(51) A23L 33/125	(72) WIJERS, Steven Dirk	(51) A24F 40/485
A23L 33/10	(31) 2030265	(11) EP4026441
A23L 7/10	(32) 23.12.2021	(21) EP21216753.0
A23L 7/143	(33) Netherlands	(47) 19.06.2024
A23L 7/109	(51) A24C 5/36	(22) 22.12.2021
A23L 19/12	(11) EP3313210	(54) AEROSOL GENERATOR AND ITS ATOMIZING ELEMENT
A21D 13/062	(21) EP16751004.9	(73) Shenzhen IVPS Technology Co., Ltd.
A21D 2/36	(47) 19.06.2024	(72) OUYANG, Junwei
A21D 10/00	(87) IB2016053775	(31) 202011633543
A61K 31/733	29.12.2016	(32) 31.12.2020
A61K 31/715	(22) 24.06.2016	(33) China
A61K 31/702	(54) AN APPARATUS FOR CUTTING CIGARETTES AND A METHOD OF CUTTING CIGARETTES	(51) A24F 40/49
(11) EP3632222	(73) International Tobacco Machinery Poland Sp. z o.o.	A24F 40/95
(21) EP18805644.4	(72) CHOJNACKI, Wojciech Jerzy	A24F 40/51
(47) 19.06.2024	(31) 41286615	A24F 40/53
(87) CN2018087763	(32) 26.06.2015	A24F 40/65
29.11.2018	(33) Poland	A61M 11/00
	(51) A24F 1/30	A61M 11/04
	A24F 40/465	A61M 15/00
		A61M 15/06
		A61M 16/00
		G06F 21/32
		H04L 9/40
		H04W 12/06

(11) EP3945890	(47) 19.06.2024	(21) EP21742181.7
(21) EP20720306.8	(87) EP2021025383	(47) 19.06.2024
(47) 19.06.2024	21.04.2022	(87) IB2021056147
(87) US2020025949	(22) 05.10.2021	17.02.2022
08.10.2020	(54) PROTECTION DEVICE FOR THE	(22) 08.07.2021
(22) 31.03.2020	RESPIRATORY TRACT	(54) MOUNTAIN BIKE SHOE SOLE WITH
(54) AUTHENTICATION AND AGE	(73) Marino, Silvio	IMPROVED ACCESS FOR THE PEDAL
VERIFICATION FOR AN AEROSOL	(72) Marino, Silvio	(73) Crank Brothers, Inc
DELIVERY DEVICE	(31) 202000024334	(72) HERMANSEN, Frank
(73) RAI Strategic Holdings, Inc.	(32) 15.10.2020	WINEFORDNER, Carl
(72) JOYCE, Leigh, Ann	(33) Italy	(31) 202016989250
NOVAK, Jake	(51) A42B 3/10	(32) 10.08.2020
DAUGHERTY, Sean	A61F 9/02	(33) United States of America
ALLER, Jared	(11) EP3993660	(51) A43B 7/14
HUBBARD, Sawyer	(21) EP20736452.2	A43B 13/02
(31) 201916415460	(47) 19.06.2024	A43B 13/12
201962828222 P	(87) IB2020056224	A43B 13/14
(32) 17.05.2019	14.01.2021	(11) EP3930526
02.04.2019	(22) 01.07.2020	(21) EP19823841.2
(33) United States of America	(54) WELDING HELMET	(47) 19.06.2024
United States of America	(73) 3M Innovative Properties Company	(87) US2019062786
(51) A24F 40/50	(72) DANIELS, Björn	03.09.2020
A24F 40/51	(31) 19184715	(22) 22.11.2019
A24F 40/10	(32) 05.07.2019	(54) FOOTWEAR AND SOLE STRUCTURE
(11) EP4026443	(33) European Patent Office (EPO)	ASSEMBLIES WITH ADHESIVE-
(21) EP20861097.2	(51) A42C 1/04	FREE MECHANICAL ATTACHMENTS
(47) 19.06.2024	A42B 1/0182	BETWEEN INSOLES AND MIDSOLES
(87) CN2020113258	A42B 1/06	(73) NIKE Innovate C.V.
11.03.2021	(11) EP3484318	(72) LINKFIELD, Brian
(22) 03.09.2020	(21) EP17827002.1	MATTHEWS, Darryl
(54) AEROSOL GENERATION SYSTEM,	(47) 19.06.2024	(31) 201916288871
MEASUREMENT METHOD,	(87) CN2017092671	(32) 28.02.2019
ATOMIZATION DEVICE, AND POWER	18.01.2018	(33) United States of America
SUPPLY DEVICE	(22) 12.07.2017	(51) A43C 11/16
(73) Shenzhen First Union Technology Co.,	(54) CAP AND METHOD OF	A43C 11/00
Ltd.	MANUFACTURING CAP	A43C 7/08
(72) LI, Junjie	(73) Shanghai Pacific Hat Manufacturing Co.,	A43C 11/14
LI, Yonghai	Ltd.	A43B 3/00
XU, Zhongli	(72) MAO, Zhen	A43B 13/14
(31) 201910827526	(31) PCT/CN2016/089914	A43C 1/00
(32) 03.09.2019	(32) 13.07.2016	(11) EP4129108
(33) China	(33) World Intellectual Property Office (WIPO)	(21) EP22184045.7
(51) A41D 13/018	(51) A43B 3/00	(47) 19.06.2024
A41D 1/00	A43B 17/18	(22) 31.05.2018
B62J 27/20	A43B 11/00	(54) AUTOMATED FOOTWEAR LACING
B60R 21/01	A43B 19/00	SYSTEMS, DEVICES, AND
(11) EP3977881	A43C 11/00	TECHNIQUES
(21) EP21194866.6	A43C 11/16	(73) Nike Innovate C.V.
(47) 19.06.2024	A43B 23/07	(72) GAYNES, Steve
(22) 03.09.2021	A43B 3/34	MELLINGER, David
(54) SPORTS CLOTHING FOR CYCLING	A43B 3/36	(31) 201762513213 P
AND ACCOMPANYING COOLING	(11) EP3939464	(32) 31.05.2017
METHODS	(21) EP21180944.7	(33) United States of America
(73) B-Cells BV	(47) 19.06.2024	(51) A44B 11/26
Celis, Bert Raf	(22) 13.05.2016	A44B 11/25
(72) CELIS, Bert Raf	(54) ARTICLE OF FOOTWEAR	(11) EP3821748
(31) 202105058	COMPRISED REMOVABLE AND	(21) EP20207503.2
202005611	INSERTABLE BOOTIE AND A SOLE	(47) 19.06.2024
(32) 26.01.2021	HAVING A CAVITY COMPRISED A	(22) 13.11.2020
04.09.2020	MOTORIZED TENSIONING DEVICE	(54) BUCKLE ASSEMBLY
(33) Belgium	(73) Nike Innovate C.V.	(73) China Bambino Prezioso Co., Ltd.
Belgium	(72) BEERS, Tiffany A.	(72) WEI, Qinrui
(51) A41D 13/11	OWINGS, Andrew A.	CHEN, Yingzhong
A62B 18/02	(31) 201514723972	(31) 201921983478 U
A62B 18/08	(32) 28.05.2015	(32) 15.11.2019
A62B 23/02	(33) United States of America	(33) China
(11) EP4228465	(51) A43B 5/14	(51) A44B 11/26
(21) EP21789610.9	(11) EP4192301	A44B 11/25

A45F 5/02	(22) 17.08.2022	SCHROEDER, Waldemar
(11) EP4125487	(54) CLOSING DEVICE FOR A CONTAINER	(31) 102019121693
(21) EP21719031.3	(73) Sudhaus GmbH	(32) 12.08.2019
(47) 19.06.2024	(72) Keidel, Stephan, Dr.	(33) Germany
(87) CN2021083221	(31) 102021129074	(51) A47C 27/06
07.10.2021	(32) 09.11.2021	B68G 9/00
(22) 26.03.2021	(33) Germany	B68G 15/00
(54) ATTACHMENT SYSTEM WITH QUICK RELEASE	(51) A45D 7/04	(11) EP3711633
(73) Duraflex Hong Kong Limited	A45D 2/00	(21) EP20173856.4
(72) LIN, Po Chu	A45D 19/02	(47) 19.06.2024
CHAN, Yick Fai	B05B 1/26	(22) 09.03.2017
(31) 202016833974	A45D 44/00	(54) APPARATUS AND METHOD FOR MAKING A RESILIENT UNIT
(32) 30.03.2020	B05B 1/14	(73) HS Products Limited
(33) United States of America	B05B 1/28	(72) Spinks, Simon
(51) A44B 19/06	(11) EP3860390	Clare, David
(11) EP4129112	(21) EP19774127.5	(31) 201604040
(21) EP20929605.2	(47) 19.06.2024	(32) 09.03.2016
(47) 19.06.2024	(87) EP2019076642	(33) United Kingdom
(87) JP2020014675	09.04.2020	(51) A47F 1/10
07.10.2021	(22) 01.10.2019	E05B 65/463
(22) 30.03.2020	(54) HAIR TREATMENT METHOD	(11) EP3742935
(54) SLIDE FASTENER AND DESIGN METHOD THEREOF	(73) L'OREAL	(21) EP19703572.8
(73) YKK CORPORATION	(72) SAMAIN, Henri	(47) 19.06.2024
(72) SAITO, Tsutomu	ROBINAULT, Jean-Luc	(87) US2019014158
KOZATO, Futoshi	(31) 1859122	01.08.2019
(32) 02.10.2018	(33) France	(22) 18.01.2019
(51) A44B 19/36	(51) A45D 20/12	(54) UTENSIL DISPENSERS WITH INTERLOCK MECHANISM
A44B 19/06	(11) EP3324782	(73) GPCP IP Holdings LLC
A44B 19/60	(21) EP16738735.6	(72) WILMINK, Michael J.
(11) EP3892149	(47) 19.06.2024	KINSLEY, Tod Alan
(21) EP18942308.0	(87) EP2016066463	(31) 201816226849
(47) 19.06.2024	02.02.2017	201862621499 P
(87) JP2018045007	(22) 12.07.2016	(32) 20.12.2018
11.06.2020	(54) HAIR CARE DEVICE	24.01.2018
(22) 06.12.2018	(73) Koninklijke Philips N.V.	(33) United States of America
(54) SLIDE FASTENER AND METHOD FOR MANUFACTURING STOP	(72) LAW, Chak Yuen	United States of America
(73) YKK Corporation	WOO, Cho	(51) A47J 31/46
(72) METANI, Shintaro	(31) 15178292	A47J 31/60
(51) A44C 5/08	(32) 24.07.2015	(11) EP3491978
A44C 5/24	(33) European Patent Office (EPO)	(21) EP18206642.3
(11) EP3593666	(51) A45F 3/14	(47) 19.06.2024
(21) EP17905897.9	(11) EP3662784	(22) 16.11.2018
(47) 19.06.2024	(21) EP19211681.2	(54) INSTALLATION DEVICE FOR MANUFACTURING POUR-OVER DRINKS
(87) CN2017081608	(47) 19.06.2024	(73) Eugster/Frismag AG
18.10.2018	(22) 27.11.2019	Miele & Cie. KG
(22) 24.04.2017	(54) TOOL CARRIER	(72) Kretschmer, Sascha
(54) DUAL WATCHBAND BUCKLE CAPABLE OF ACHIEVING FINE ADJUSTMENT OF LENGTH OF WATCHBAND	(73) Globe (Jiangsu) Co., Ltd.	Sonderegger, Lukas
(73) Huawei Technologies Co., Ltd.	(72) ZHONG, Minglong	Pötter, Berthold
(72) LIU, Jun	WANG, Doushi	Wüstefeld, Michael
ZHAO, Menglong	(31) 201811466227	(31) 102017128216
ZHANG, Bin	(32) 03.12.2018	(32) 29.11.2017
YANG, Rongguang	(33) China	(33) Germany
(31) 201710245369	(51) A46B 3/16	(51) A47J 37/06
(32) 14.04.2017	A46B 3/18	A47J 37/07
(33) China	A46B 9/04	(11) EP3787446
(51) A45C 13/10	(11) EP4013265	(21) EP19803379.7
A45C 13/12	(21) EP20749814.8	(47) 19.06.2024
B65D 55/14	(47) 19.06.2024	(87) US2019031784
E05B 65/52	(87) EP2020069771	21.11.2019
A44B 11/25	18.02.2021	(22) 10.05.2019
F16B 21/16	(22) 13.07.2020	(54) CONTINUOUS COOKING SURFACE WITH INDIVIDUALLY CONTROLLABLE HEATING ZONES
(11) EP4176760	(54) BRUSH HAVING A BRISTLE BUNCH FASTENED BY MEANS OF CLAMPS, AND WIRE FOR PRODUCING SUCH CLAMPS	(73) Evo America, LLC
(21) EP22190824.7	(73) Berkenhoff GmbH	
(47) 19.06.2024	(72) NOETHE, Tobias	

(72) SHINGLER, Robert, A. SHAW, Joseph, R. (31) 201815980599 (32) 15.05.2018 (33) United States of America	(21) EP20201554.1 (47) 19.06.2024 (22) 13.10.2020 (54) CLEANING DEVICE AND ITS USE (73) ReBerni Limited (72) Hug, Bernhard	(73) Guangdong Midea White Home Appliance Technology Innovation Center Co., Ltd. Midea Group Co., Ltd. (72) WU, Shuyun HUANG, Xinjian CHENG, Jiefeng YANG, Pin ZHANG, Junge
(51) A47J 39/00 (11) EP3930550 (21) EP20712179.9 (47) 19.06.2024 (87) US2020019409 03.09.2020 (22) 24.02.2020 (54) AUTOMATED FOOD MANAGEMENT SYSTEM (73) Taylor Commercial Foodservice, LLC (72) PARKER, Spencer M. HOTALING, Bryan R. NORRIS, Chris NELSON, Dennis MINARD, James J. PAHNKE, Carl LECLERC, Scott A. SANDS, Jeffrey L. (31) 201962810170 P (32) 25.02.2019 (33) United States of America	(51) A47L 9/28 (11) EP4212082 (21) EP22212101.4 (47) 19.06.2024 (22) 08.12.2022 (54) VACUUM CLEANER, PREFERABLY HAND VACUUM CLEANER (73) Miele & Cie. KG (72) Walfort, Dennis Backherms, Volker Hasenfuhs, Tobias (31) 202205014 (32) 12.01.2022 (33) Belgium	(51) A47L 11/282 A47L 11/40 A47L 11/292 A47L 11/18 A47L 11/30 (11) EP3549507 (21) EP19176747.4 (47) 19.06.2024 (22) 10.10.2015 (54) FLOOR CLEANER AND WATER CONTAINER STRUCTURE THEREOF (73) Hizer0 Appliances Corporation (72) LI, Yang ZHANG, Yong
(51) A47J 43/24 A45F 3/10 B08B 3/02 A23N 12/02 G01N 27/416 B08B 13/00 (11) EP3773095 (21) EP18914146.8 (47) 19.06.2024 (87) US2018027673 17.10.2019 (22) 13.04.2018 (54) PORTABLE SENSOR VALIDATION SYSTEM (73) SmartWash Solutions, LLC (72) WILHELMSEN, Eric Child LINDSTROM, Danny Elmer MCGINNIS, Christopher Michael BRENNAN, James M. (31) 201815951572 (32) 12.04.2018 (33) United States of America	(51) A47L 11/16 A47L 11/283 (11) EP4129142 (21) EP22187256.7 (47) 19.06.2024 (22) 27.07.2022 (54) SYSTEM FOR CONNECTING WASHING MEANS TO THE DRIVE SHAFT OF A FLOORWASHER (73) Elsea S.r.l. (72) Balsamo, Alessandro Pugnaroni, Massimiliano Calianno, Maurizio (31) 202100020930 (32) 03.08.2021 (33) Italy	(51) A47L 11/40 G01F 23/24 G01F 23/00 G08B 21/18 (11) EP3787468 (21) EP19822448.7 (47) 19.06.2024 (87) US2019038383 26.12.2019 (22) 21.06.2019 (54) APPARATUS FOR CLEANING A SURFACE (73) Bissell Inc. (72) VILLAROMAN, Bryan Lee BOLES, Jacob S. LAMBRUX, Timothy R. SCHOLTEN, Jeffrey A. RESCH, Jacob ROYALE, Victoria J. (31) 201962789661 P 201862688428 P (32) 08.01.2019 22.06.2018 (33) United States of America United States of America
(51) A47K 13/00 A47K 13/04 (11) EP3284377 (21) EP17186465.5 (47) 19.06.2024 (22) 16.08.2017 (54) TOILET APPARATUS (73) TOTO LTD. (72) ONISHI, Tomofumi TAKESHITA, Megumi TANI, Minoru SHIGETA, Ayaka NAKABAYASHI, Hirotaka ASHIHARA, Akihiro SATO, Mihoko (31) 2016159955 (32) 17.08.2016 (33) Japan	(51) A47L 11/24 B25J 11/00 A47L 9/28 (11) EP3858209 (21) EP18939194.9 (47) 19.06.2024 (87) CN2018114887 14.05.2020 (22) 09.11.2018 (54) MOVABLE ELECTRIC DEVICE	(51) A61B 1/00 A61B 1/04 A61B 1/06 A61B 1/07 A61B 1/313 G06T 5/90 G06T 7/00 G06T 7/90 (11) EP3846672 (21) EP19761868.9 (47) 19.06.2024 (87) EP2019073483 12.03.2020 (22) 03.09.2019 (54) ENHANCING THE VISIBILITY OF BLOOD VESSELS IN COLOUR IMAGES (73) Ambu A/S (72) SONNENBORG, Finn JØRGENSEN, Andreas Hårstedt (31) 18193186

(32) 07.09.2018	G06T 1/00	SINGH, Ashish Kumar
(33) European Patent Office (EPO)	G06T 3/40	JHA, Krishna Kishor
(51) A61B 1/00	G16H 50/20	CHIRAYIL SUDHEESH BABU, Vaisakh
A61B 90/50	H04N 1/387	Punnekkattu
A61B 90/16	(11) EP3925514	(31) 201841011158
A61B 90/57	(21) EP20755534.3	201841011158
A61B 1/24	(47) 19.06.2024	(32) 26.09.2018
A61B 13/00	(87) JP2020000712	26.03.2018
(11) EP3998039	20.08.2020	(33) India
(21) EP20911305.9	(22) 10.01.2020	India
(47) 19.06.2024	(54) LESION AREA DIVIDING DEVICE,	(51) A61B 5/00
(87) CN2020132236	MEDICAL IMAGE DIAGNOSTIC	A61B 5/01
24.03.2022	SYSTEM, LESION AREA DIVIDING	A61B 5/0205
(22) 27.11.2020	METHOD, AND NON-TRANSITORY	A61B 5/0533
(54) MOUTH SPECULUM SUPPORT	COMPUTER READABLE MEDIUM	(11) EP4258975
DEVICE	THAT STORES PROGRAM	(21) EP21824389.7
(73) HUANG, Jianmin	(73) NEC Corporation	(47) 19.06.2024
FUJIAN MEDICAL UNIVERSITY UNION	(72) SHINO Ryosaku	(87) EP2021085143
HOSPITAL	(31) 2019024745	23.06.2022
(72) HUANG, Jianmin	(32) 14.02.2019	(22) 10.12.2021
YANG, Shiming	(33) Japan	(54) DETERMINING A SLEEP STATE OF A
(31) 202022045548 U	(51) A61B 1/307	USER
(32) 17.09.2020	A61B 1/00	(73) Koninklijke Philips N.V.
(33) China	A61B 1/01	(72) MAVROEIDIS, Dimitrios
(51) A61B 1/005	(11) EP3200673	GROSSEKATHOEFER, Ulf
A61B 1/008	(21) EP15778555.1	HÄRMÄ, Aki Sakari
A61B 34/00	(47) 19.06.2024	(31) 20213750
A61B 17/00	(87) US2015053212	(32) 14.12.2020
(11) EP3829412	07.04.2016	(33) European Patent Office (EPO)
(21) EP19752238.6	(22) 30.09.2015	(51) A61B 5/00
(47) 19.06.2024	(54) URETEROSCOPE AND ATTACHMENT	A61B 18/14
(87) GB2019052160	DEVICE THEREFOR	A61B 5/287
06.02.2020	(73) Boston Scientific Scimed, Inc.	A61B 34/20
(22) 01.08.2019	(72) BARENBOYM, Michael	A61M 25/00
(54) A JOINT	OSKIN, Christopher L.	(11) EP4000506
(73) IP2IPO Innovations Limited	(31) 201462058710 P	(21) EP21214689.8
(72) LI, Wei	(32) 02.10.2014	(47) 19.06.2024
HU, Yang	(33) United States of America	(22) 08.01.2018
YANG, Guang-Zhong	(51) A61B 3/10	(54) CATHETER WITH SUPPORTING
(31) 201812622	G01B 9/02091	STRUCTURE HAVING VARIABLE
(32) 02.08.2018	G01B 9/02	DIMENSIONS
(33) United Kingdom	G02B 21/00	(73) Biosense Webster (Israel) Ltd
(51) A61B 1/018	(11) EP3977915	(72) WU, Steven
A61B 8/00	(21) EP20199575.0	(31) 201715401166
A61B 8/12	(47) 19.06.2024	(32) 09.01.2017
A61B 1/00	(22) 01.10.2020	(33) United States of America
(11) EP3981318	(54) OPHTHALMIC CONFOCAL OCT	(51) A61B 5/00
(21) EP20817961.4	IMAGING SYSTEM	A61N 1/36
(47) 19.06.2024	(73) Optos PLC	A61B 5/024
(87) JP2020022053	(72) Preciado, Miguel Angel	A61B 5/053
10.12.2020	Varughese Chacko, Lijo	A61B 5/07
(22) 04.06.2020	(51) A61B 3/14	A61B 5/08
(54) RAISING BASE ATTACHMENT,	A61B 3/11	A61B 5/145
ENDOSCOPE, METHOD FOR	A61B 3/00	A61B 5/291
ATTACHING RAISING BASE	(11) EP3737278	A61B 5/398
ATTACHMENT, AND METHOD	(21) EP19777308.8	(11) EP3920790
FOR REMOVING RAISING BASE	(47) 19.06.2024	(21) EP20709847.6
ATTACHMENT	(87) KR2019003519	(47) 19.06.2024
(73) HOYA CORPORATION	03.10.2019	(87) US2020016533
(72) TARUMOTO, Tetsuya	(22) 26.03.2019	13.08.2020
HATOMA, Takahiro	(54) ELECTRONIC DEVICE FOR	(22) 04.02.2020
(31) 2019107000	MONITORING HEALTH OF EYES OF	(54) IMPLANT-ACCESS INCISION AND
2019106999	USER AND METHOD FOR OPERATING	SENSING FOR SLEEP DISORDERED
(32) 07.06.2019	THE SAME	BREATHING (SDB) CARE
07.06.2019	(73) Samsung Electronics Co., Ltd.	(73) Inspire Medical Systems, Inc.
(33) Japan	(72) GUPTA, Gaurav	(72) DIEKEN, David
Japan	MANIYAR, Mohammadrafi Raimansab	LOZIER, Luke
(51) A61B 1/045	BASU, Rajib	RONDONI, John

WAGNER, Darrell	(21) EP19764167.3	(22) 26.05.2016
VERZAL, Kevin	(47) 19.06.2024	(54) ATHLETIC ACTIVITY MONITORING DEVICE WITH ENERGY CAPTURE
(31) 201962801219 P	(87) JP2019008612	(73) Nike Innovate C.V.
(32) 05.02.2019	12.09.2019	(72) SCHNEIDER, Summer
(33) United States of America	(22) 05.03.2019	MALHOTRA, Vikram
(51) A61B 5/00	(54) BRAIN ACTIVITY TRAINING DEVICE, BRAIN ACTIVITY TRAINING METHOD, AND BRAIN ACTIVITY TRAINING PROGRAM	(31) 201562167752 P
G01J 3/02	(73) Advanced Telecommunications Research Institute International	(32) 28.05.2015
G01J 3/44	(72) YOSHIOKA, Toshinori	(33) United States of America
G01B 9/02015	KAWATO, Mitsuo	
G01B 9/02091	YAMADA, Takashi	(51) A61B 5/113
(11) EP3881038	KOCHIYAMA, Takanori	A61B 5/087
(21) EP19885047.1	(31) 2018042909	G16H 50/20
(47) 19.06.2024	(32) 09.03.2018	G16H 50/30
(87) US2019061365	(33) Japan	(11) EP3967225
22.05.2020		(21) EP19928621.2
(22) 14.11.2019		(47) 19.06.2024
(54) METHOD FOR OPTICALLY DETECTING TOOTH MINERALIZATION		(87) CN2019086435
(73) MSTATT LLC	(51) A61B 5/08	19.11.2020
(72) MCPHEETERS, Matthew	G01N 21/31	(22) 10.05.2019
BLACKBURN, Brecken	G01N 21/64	(54) RESPIRATORY CESSATION DETECTION SYSTEM AND STORAGE MEDIUM
(31) 201862767484 P	G01J 3/44	(73) Huijia Health Life Technology Co., Ltd.
(32) 14.11.2018	G01N 33/497	(72) YANG, Shuchen
(33) United States of America	A61B 5/097	HSU, Minghung
(51) A61B 5/00	(11) EP3331428	LIU, Chihhuan
H04W 4/80	(21) EP16757567.9	CHEN, Yujen
H04W 74/0808	(47) 19.06.2024	FANG, Shihchin
H04W 84/18	(87) EP2016068471	WANG, Futai
(11) EP3897352	09.02.2017	CHAN, Hsiaolung
(21) EP19779765.7	(22) 02.08.2016	
(47) 19.06.2024	(54) DETERMINATION OF ACETONE IN BREATH BY FLUORESCENCE ANALYSIS	(51) A61B 5/1455
(87) EP2019074968	(73) University Of Durham	A61B 5/00
25.06.2020	(72) NAHLER, Nils Hendrik	(11) EP3975842
(22) 18.09.2019	WREDE, Eckart	(21) EP20728061.1
(54) BODY AREA NETWORK COMMUNICATION COLLISION AVOIDANCE CONCEPT FOR MEDICAL SYSTEMS	CARTY, David	(47) 19.06.2024
(73) BIOTRONIK SE & Co. KG	(31) 201513700	(87) EP2020064862
(72) HUEGERICH, Burkhard	(32) 03.08.2015	03.12.2020
(31) 201862780952 P	(33) United Kingdom	(22) 28.05.2020
19152531	(51) A61B 5/11	(54) APPARATUS FOR MEASURING OPTICAL OR PHYSIOLOGICAL PARAMETERS IN HUMAN TISSUE FEATURING AN OPTICAL CONTACT DETECTOR
(32) 18.12.2018	A61B 5/00	(73) Universität Zürich
18.01.2019	(11) EP3946049	(72) KLEISER, Stefan
(33) United States of America	(21) EP20714223.3	WOLF, Martin
European Patent Office (EPO)	(47) 19.06.2024	OSTOJIC, Daniel
(51) A61B 5/055	(87) EP2020058996	(31) 19177063
A61B 5/00	01.10.2020	(32) 28.05.2019
(11) EP3708077	(22) 30.03.2020	(33) European Patent Office (EPO)
(21) EP19214958.1	(54) BALLISTOCARDIOGRAPHY DEVICE AND METHOD	
(47) 19.06.2024	(73) Paris Sciences et Lettres	(51) A61B 5/157
(22) 10.09.2012	Ecole Pratique des Hautes Etudes	A61M 5/142
(54) IN VIVO VISUALIZATION AND CONTROL OF PATHOLOGICAL CHANGES IN NEURAL CIRCUITS	(72) CATHELAIN, Guillaume	A61M 5/158
(73) The Regents of the University of California	JAFFRES, Rémy	(11) EP4201327
(72) LEE, Jin, Hyung	JOUEN, François	(21) EP23152851.4
FANG, Zhongnan	(31) 1903297	(47) 19.06.2024
(31) 201161533108 P	(32) 28.03.2019	(22) 29.03.2013
201161533112 P	(33) France	(54) FLUID DELIVERY DEVICE WITH TRANSCUTANEOUS ACCESS TOOL, INSERTION MECHANISM AND BLOOD GLUCOSE MONITORING FOR USE THEREWITH
(32) 09.09.2011	(51) A61B 5/11	(73) Insulet Corporation
09.09.2011	H10N 19/00	(72) CAMPBELL, Robert
(33) United States of America	F03G 5/06	DIIANNI, Steven
United States of America	F03G 7/08	SCHMID, Kevin
(51) A61B 5/055	A43B 3/34	MCLAUGHLIN, Ian
A61H 1/02	H10N 10/17	O'CONNOR, Jason B.
(11) EP3763288	H02N 2/18	
	(11) EP3733063	
	(21) EP20181467.0	
	(47) 19.06.2024	

(31) 201261618028 P	(22) 15.06.2022	(22) 26.12.2013
(32) 30.03.2012	(54) DEVICES FOR THE TREATMENT OF VASCULAR ABNORMALITIES	(54) MEDICAL DEVICE FOR USE IN LAPAROSCOPIC SURGERY
(33) United States of America		
(51) A61B 5/31	(73) St. Jude Medical, Cardiology Division, Inc.	(73) Bolder Surgical, LLC
(11) EP3845127		(72) MATA, Vincent
(21) EP20217772.1	(72) EIDENSCHINK, Tracee	BACHMAN, Alan
(47) 19.06.2024	MEYER, Michael	GRANGER, Richard
(22) 30.12.2020	PERSZYK, Brian J.	(31) 201313733815
(54) METHODS AND SYSTEMS FOR ESTIMATION OF RESIDUAL ECG NOISE LEVEL AND ADAPTIVE NOISE THRESHOLD	OSTERBAUER, Philip	(32) 03.01.2013
	STAFFORD, Andrea	(33) United States of America
(73) Biosense Webster (Israel) Ltd.	GUPTA, Pankaj	(51) A61B 17/072
(72) BOTZER, Lior	BEEK, Erika A.	A61B 17/00
(31) 201916731646	(31) 202163210854 P	(11) EP4125632
(32) 31.12.2019	(32) 15.06.2021	(21) EP22713053.1
(33) United States of America	(33) United States of America	(47) 19.06.2024
(51) A61B 5/316	(51) A61B 17/064	(87) IB2022052531
A61B 5/349	A61B 17/00	29.09.2022
(11) EP3571985	(11) EP3517053	(22) 21.03.2022
(21) EP19175577.6	(21) EP19158176.8	(54) STAPLING ASSEMBLY COMPONENTS HAVING METAL SUBSTRATES AND PLASTIC BODIES
(47) 19.06.2024	(47) 19.06.2024	(73) Cilag GmbH International
(22) 21.05.2019	(22) 01.09.2016	(72) SHELTON, IV, Frederick E.
(54) IDENTIFYING ACTIVATIONS IN AN ATRIAL FIBRILLATION ELECTROGRAM	(54) ELASTIC ORTHOPEDIC IMPLANT AND METHOD OF MANUFACTURING THEREOF	(31) 202117211210
	(73) Biomedical Enterprises, Inc.	(32) 24.03.2021
(73) Biosense Webster (Israel) Ltd.	(72) CHENEY, Daniel F.	(33) United States of America
(72) TURGEMAN, Aharon	(31) 201562213774 P	(51) A61B 17/072
ZEIDAN, Ziyad	(32) 03.09.2015	A61B 17/115
(31) 201815986238	(33) United States of America	A61L 2/24
(32) 22.05.2018	(51) A61B 17/072	A61B 90/00
(33) United States of America	(11) EP3205273	A61L 2/26
(51) A61B 7/00	(21) EP17155140.1	H01M 10/42
(11) EP3846695	(47) 19.06.2024	H02J 7/00
(21) EP19753220.3	(22) 08.02.2017	(11) EP3061409
(47) 19.06.2024	(54) SURGICAL INSTRUMENT WITH ARTICULATING AND AXIALLY TRANSLATABLE END EFFECTOR	(21) EP16157564.2
(87) US2019043006		(47) 19.06.2024
12.03.2020	(73) Ethicon LLC	(22) 26.02.2016
(22) 23.07.2019	(72) WEANER, Lauren S.	(54) SURGICAL APPARATUS CONFIGURED TO ASSESS WHETHER A PERFORMANCE PARAMETER OF THE SURGICAL APPARATUS IS WITHIN AN ACCEPTABLE PERFORMANCE BAND
(54) SYSTEMS AND METHODS FOR RECONSTRUCTING HEART SOUNDS	SCHULTZ, Darwin L.	(73) Ethicon LLC
	SHELTON, IV, Frederick E.	(72) BECKMAN, Andrew T.
(73) Cardiac Pacemakers, Inc.	WORTHINGTON, Sarah A.	SHELTON, IV, Frederick E
(72) AN, Qi	HUNTER, Morgan R.	NALAGATLA, Anil K.
MI, Bin	VENDELY, Michael J.	HIBNER, John A.
SHUTE, Jonathan, Bennett	(31) 201615019220	(31) 201514633546
(31) 201862728240 P	(32) 09.02.2016	(32) 27.02.2015
(32) 07.09.2018	(33) United States of America	(33) United States of America
(33) United States of America	(51) A61B 17/072	(51) A61B 17/072
(51) A61B 8/08	(11) EP4132378	H01R 3/00
A61B 8/00	(21) EP22713058.0	H01R 4/48
(11) EP3595534	(47) 19.06.2024	H01R 12/69
(21) EP18715479.4	(87) IB2022052548	H01R 13/18
(47) 19.06.2024	29.09.2022	(11) EP3659529
(87) EP2018054838	(22) 21.03.2022	(21) EP19211852.9
20.09.2018	(54) MATING FEATURES BETWEEN DRIVERS AND UNDERSIDE OF A CARTRIDGE DECK	(47) 19.06.2024
(22) 27.02.2018	(73) Cilag GmbH International	(22) 27.11.2019
(54) OPTIMAL SCAN PLANE SELECTION FOR ORGAN VIEWING	(72) HENSEL, Adam D.	(54) SURGICAL STAPLER ADAPTER WITH FLEXIBLE CABLE ASSEMBLY, FLEXIBLE FINGERS, AND CONTACT CLIPS
	SHELTON, IV, Frederick E.	(73) Covidien LP
(73) Koninklijke Philips N.V.	HOLDMEYER, Seth D.	(72) ABRAMEK, Pawel
(72) RAJU, Balasundar, Iyyavu	(31) 202117211189	COLLINS, Ethan
POLAND, Mckee, Dunn	(32) 24.03.2021	WILLIAMS, Ryan
(31) 201762472031 P	(33) United States of America	CHOWANIEC, Matthew
(32) 16.03.2017	(51) A61B 17/072	
(33) United States of America	(11) EP3653136	
(51) A61B 17/00	(21) EP19215299.9	
(11) EP4104772	(47) 19.06.2024	
(21) EP22179129.6		
(47) 19.06.2024		

CHOWANIEC, David	(51) A61B 17/28	A61B 17/00
(31) 201916670611	A61B 17/32	A61B 17/29
201862772281 P	(11) EP3937801	A61B 18/00
(32) 31.10.2019	(21) EP20710111.4	A61B 18/14
28.11.2018	(47) 19.06.2024	A61B 90/00
(33) United States of America	(87) EP2020055910	(11) EP3967249
United States of America	17.09.2020	(21) EP21185280.1
(51) A61B 17/11	(22) 05.03.2020	(47) 19.06.2024
A61B 17/00	(54) SURGICAL INSTRUMENT HAVING	(22) 28.12.2018
(11) EP3644865	TERMINAL REGION THROUGH WHICH	(54) VARIATION OF RADIO FREQUENCY
(21) EP18824606.0	FLOW CAN OCCUR	AND ULTRASONIC POWER LEVEL
(47) 19.06.2024	(73) Aesculap AG	IN COOPERATION WITH VARYING
(87) US2018040129	(72) SCHABERT, Stefanie	CLAMP ARM PRESSURE TO ACHIEVE
03.01.2019	BARTHELMES, Sven	PREDEFINED HEAT FLUX OR POWER
(22) 28.06.2018	(31) 102019106512	APPLIED TO TISSUE
(54) MAGNETIC DEVICES AND SYSTEMS	(32) 14.03.2019	(73) Ethicon LLC
(73) The Regents of the University of	(33) Germany	(72) YATES, David C.
California	(51) A61B 17/28	SHELTON, IV, Frederick E.
(72) FECHTER, Richard J.	A61B 17/3201	(31) 201816182235
HARRISON, Michael R.	(11) EP4135604	201862729195 P
KWIAT, Dillon A.	(21) EP22731118.0	201862692747 P
(31) 201762527690 P	(47) 19.06.2024	201862692748 P
(32) 30.06.2017	(87) EP2022063925	201862692768 P
(33) United States of America	01.12.2022	201862659900 P
(51) A61B 17/16	(22) 23.05.2022	201862650887 P
A61B 17/00	(54) MEDICAL INSTRUMENT HAVING	201862650877 P
A61B 90/00	A SPRING UNIT OPTIMISED FOR	201862650882 P
(11) EP4013317	CLEANING	201862650898 P
(21) EP20761689.7	(73) Aesculap AG	201862640417 P
(47) 19.06.2024	(72) WEISSHAUPT, Dieter	201862640415 P
(87) US2020045866	MORALES, Pedro	201762611339 P
18.02.2021	(31) 102021113518	201762611340 P
(22) 12.08.2020	(32) 26.05.2021	201762611341 P
(54) DRILL ASSEMBLY FOR PREPARATION	(33) Germany	(32) 06.11.2018
OF SURGICAL SITES	(51) A61B 17/32	10.09.2018
(73) Arthrex, Inc.	A61B 1/04	30.06.2018
(72) KNIGHT, Michael Alan	(11) EP4173579	30.06.2018
CLEVETT, Tyler	(21) EP22213576.6	30.06.2018
RODRIGUEZ, Alexander Emmanuel	(47) 19.06.2024	19.04.2018
PATERSON, John David	(22) 02.08.2018	30.03.2018
KHOSLA, Rudraksh	(54) SURGICAL TOOL SYSTEMS	30.03.2018
(31) 201916540144	(73) Stryker Corporation	30.03.2018
(32) 14.08.2019	(72) FOUTS, Brian	30.03.2018
(33) United States of America	SMITH, Conrad	08.03.2018
(51) A61B 17/16	JAY, Sunny	08.03.2018
A61B 17/32	DEENY, Bryan	28.12.2017
A61B 18/14	(31) 201762540303 P	28.12.2017
A61B 90/98	(32) 02.08.2017	28.12.2017
A61B 90/00	(33) United States of America	(33) United States of America
A61B 17/00	(51) A61B 17/32	United States of America
A61B 18/00	A61B 17/34	United States of America
A61B 90/90	A61B 18/14	United States of America
(11) EP3445258	(11) EP3654861	United States of America
(21) EP17786807.2	(21) EP18835470.8	United States of America
(47) 19.06.2024	(47) 19.06.2024	United States of America
(87) US2017029201	(87) US2018043021	United States of America
26.10.2017	24.01.2019	United States of America
(22) 24.04.2017	(22) 20.07.2018	United States of America
(54) ARTHROSCOPIC DEVICES	(54) ANCILLARY SYSTEM HAVING AN	United States of America
(73) Relign Corporation	EXHAUST DEVICE FOR SURGERY	United States of America
(72) BENAMOU, Steffan	(73) National Taiwan University Hospital	United States of America
TONKEL, Jacob	National Taiwan University	United States of America
MALKEVICH, Simon	(72) LAI, Shuo-Lun	United States of America
WALKER, Michael, D.	(31) 10624515	(51) A61B 17/34
GERMAIN, Aaron	(32) 21.07.2017	A61B 17/00
(31) 201662326544 P	(33) Taiwan, Chinese Taipei	A61M 39/06
(32) 22.04.2016	(51) A61B 17/32	(11) EP3700445
(33) United States of America	A61B 18/12	(21) EP18870627.9

(47) 19.06.2024	(47) 19.06.2024	(11) EP3291736
(87) US2018052361	(87) US2019066690	(21) EP16787216.7
02.05.2019	25.06.2020	(47) 19.06.2024
(22) 24.09.2018	(22) 17.12.2019	(87) US2016030028
(54) DEVICES FOR PERFORMING	(54) STEERABLE TIP COOLED	03.11.2016
MINIMALLY INVASIVE SURGERY	RADIOFREQUENCY ABLATION PROBE	(22) 29.04.2016
HAVING FOAM SUPPORT HOUSING	(73) Avent, Inc.	(54) MICROWAVE ABLATION PLANNING
(73) ConMed Corporation	(72) WANG, Ruoya	AND PROCEDURE SYSTEMS
(72) AUGELLI, Michael, J.	(31) 201816229065	(73) Covidien LP
KLEYMAN, Gennady	(32) 21.12.2018	(72) FRANK, Kevin J.
KANE, Michael, J.	(33) United States of America	BHARADWAJ, Jeetendra S.
(31) 201715790582	(51) A61B 18/14	GIROTTI, Darren G.
(32) 23.10.2017	A61B 1/00	(31) 201615099820
(33) United States of America	(11) EP3426175	201615099698
(51) A61B 17/42	(21) EP17709071.9	201615099772
A61B 17/00	(47) 19.06.2024	201615099665
(11) EP3402421	(87) EP2017055263	201615099730
(21) EP17739015.0	14.09.2017	201562154950 P
(47) 19.06.2024	(22) 07.03.2017	201562154942 P
(87) US2017013365	(54) RESECTOSCOPE AMD ELECTRODE	201562154933 P
20.07.2017	ASSEMBLY THEREFOR	201562154924 P
(22) 13.01.2017	(73) Olympus Winter & Ibe GmbH	201562154929 P
(54) UTERINE MANIPULATOR	(72) FREITAG, Thomas	(32) 15.04.2016
ARRANGEMENT	KAISER, Andreas	15.04.2016
(73) Memorial Sloan Kettering Cancer Center	KAPFERMANN, Nils	15.04.2016
(72) BOOTH, Paul	BROCKMANN, Christian	15.04.2016
MASSUCCI, Jon	STÜHLE, Sebastian	15.04.2016
SONODA, Yukio	(31) 102016204047	30.04.2015
(31) 201662278149 P	(32) 11.03.2016	30.04.2015
(32) 13.01.2016	(33) Germany	30.04.2015
(33) United States of America	(51) A61B 18/18	30.04.2015
(51) A61B 17/88	(11) EP3962394	30.04.2015
A61B 17/86	(21) EP20724926.9	(33) United States of America
A61B 17/70	(47) 19.06.2024	United States of America
A61B 17/16	(87) GB2020051086	United States of America
A61B 17/68	05.11.2020	United States of America
(11) EP3838202	(22) 01.05.2020	United States of America
(21) EP21156698.9	(54) DEVICE FOR INDUCING CELL DEATH	United States of America
(47) 19.06.2024	(73) University College Cardiff Consultants	United States of America
(22) 23.12.2014	Limited	United States of America
(54) SYSTEM FOR EXPANDABLE INTRA-	(72) MARTIN, Tracey Amanda	United States of America
VERTEBRAL IMPLANT WITH REAR	JIANG, Wen Guo	United States of America
PEDICLE ATTACHMENT	BENEDIKT, Johannes	(51) A61B 34/20
(73) Stryker European Operations Limited	MANSEL, Robert Edward	A61B 90/00
(72) RATRON, Yves-Alain	YOUNG, Philippa	(11) EP3563788
OGLAZA, Jean-François	(31) 201906172	(21) EP19179149.0
MAESTRETTI, Gianluca	(32) 02.05.2019	(47) 19.06.2024
(31) 1363467	(33) United Kingdom	(22) 29.04.2011
(32) 23.12.2013	(51) A61B 18/18	(54) NAVIGATED SURGICAL INSTRUMENT
(33) France	(11) EP4196031	(73) Medtronic Xomed, Inc.
(51) A61B 18/14	(21) EP21769228.4	(72) Burg, Bruce M.
(11) EP3531927	(47) 19.06.2024	Smetzer, Ross
(21) EP17863883.9	(87) US2021046018	Bzostek, Andrew
(47) 19.06.2024	17.02.2022	Hartmann, Steven L.
(87) US2017058090	(22) 13.08.2021	Nadeau, Matthew J.
03.05.2018	(54) MICROWAVE GENERATOR WITH	Jacobsen, Brad
(22) 24.10.2017	DYNAMIC CORRECTION OF	(31) 33002410 P
(54) CAUTERY PROTECTIVE ACCESSORY	TEMPERATURE MEASUREMENTS	(32) 30.04.2010
SLEEVE WITH STABILIZATION	(73) Covidien LP	(33) United States of America
SYSTEM	(72) BRANNAN, Joseph D.	(51) A61B 34/20
(73) Lowry, Suzanne	(31) 202063065555 P	A61B 90/90
(72) Lowry, Suzanne	(32) 14.08.2020	(11) EP3735929
(31) 201615332957	(33) United States of America	(21) EP20180250.1
(32) 24.10.2016	(51) A61B 34/20	(47) 19.06.2024
(33) United States of America	A61B 18/18	(22) 09.03.2017
(51) A61B 18/14	A61B 8/14	(54) OPTICAL TRACKING
(11) EP3897436	A61B 8/08	(73) Brainlab AG
(21) EP19839028.8	A61B 8/00	(72) MANUS, Johannes

PREGLER, Martin	Eser, Atilim	(32) 30.01.2020
FLOSSMANN, Sven	(31) 18212089	(33) Germany
MEZGER, Uli	(32) 12.12.2018	(51) A61C 9/00
WEISER, Manfred	(33) European Patent Office (EPO)	(11) EP4159159
STOPP, Sebastian	(51) A61C 7/00	(21) EP21200553.2
(31) PCT/EP2016/055816	A61C 7/18	(47) 19.06.2024
(32) 17.03.2016	A61C 7/10	(22) 01.10.2021
(33) World Intellectual Property Office (WIPO)	A61F 5/50	(54) IMPRESSION TRAY
(51) A61B 34/30	A61C 7/22	(73) Al Mstrehi, Rafat
A61B 17/00	(11) EP3773319	(72) Al Mstrehi, Rafat
A61B 46/10	(21) EP19716890.9	(51) A61C 9/00
(11) EP3442432	(47) 19.06.2024	A61C 13/34
(21) EP17783340.7	(87) EP2019058945	A61C 19/04
(47) 19.06.2024	17.10.2019	G01B 11/24
(87) US2017027818	(22) 09.04.2019	A61B 5/00
19.10.2017	(54) DENTAL EXPANDER	G06T 7/30
(22) 14.04.2017	(73) D&D	(11) EP3900666
(54) ELECTROMECHANICAL SURGICAL	(72) BENAROUCH, Dan	(21) EP19899167.1
SYSTEM INCLUDING LINEARLY	MAJBRUCH, Delphine	(47) 19.06.2024
DRIVEN INSTRUMENT ROLL	(31) 1853065	(87) KR2019017922
(73) Asensus Surgical US, Inc.	(32) 09.04.2018	25.06.2020
(72) HENSON, Robert	(33) France	(22) 17.12.2019
ABASHIAN, Sevan	(51) A61C 7/14	(54) THREE-DIMENSIONAL INTRAORAL
HINMAN, Dale	(11) EP4046588	SCANNER AND INTRAORAL
SCHNUR, Paul, W.	(21) EP21158621.9	SCANNING METHOD USING SAME
PENNY, Matthew, R.	(47) 19.06.2024	(73) Dof Inc.
BENDER, Nicholas, J.	(22) 23.02.2021	(72) SIM, Heungsik
(31) 201662322539 P	(54) ORTHODONTIC HEIGHT POSITIONING	PARK, Hyunsoo
201662322585 P	GAUGE	(31) 20180167837
201662322529 P	(73) LYS Office	(32) 21.12.2018
(32) 14.04.2016	(72) SEYAM, Jacem	(33) Korea (Republic)
14.04.2016	(51) A61C 8/00	(51) A61C 13/265
14.04.2016	(11) EP3847997	A61C 8/00
(33) United States of America	(21) EP21154107.3	A61C 9/00
United States of America	(47) 19.06.2024	A61C 13/107
United States of America	(22) 30.01.2017	(11) EP3777760
(51) A61B 90/00	(54) DENTAL IMPLANT	(21) EP19196489.9
A61B 34/20	(73) Nobel Biocare Services AG	(47) 19.06.2024
A61B 34/10	(72) Bernhard, Nicolai	(22) 16.05.2012
A61B 34/37	Quarry, Antony	(54) TEMPORARY ABUTMENT CAP WITH
A61B 17/00	Sollberger, David	INFORMATIONAL MARKERS
(11) EP3538015	Burke, Edmund	(73) Biomet 3I, LLC
(21) EP17869267.9	Ameti, Serif	(72) GOODMAN, Ralph E.
(47) 19.06.2024	Pfister, Niki	ROGERS, Dan P.
(87) US2017061151	Weitzel, Jörg	ROBB, Tait T.
17.05.2018	Vonwiller, Stephan	BELLANCA, John J.
(22) 10.11.2017	(31) 16206385	MONTERO, Miguel G.
(54) SURGICAL SYSTEM WITH MULTI-	16190958	SUTTIN, Zachary B.
MODALITY IMAGE DISPLAY	16153466	HERRINGTON, Stephen M.
(73) Intuitive Surgical Operations Inc.	(32) 22.12.2016	(31) 201161486630 P
(72) BRANDAO, Karen, C.	27.09.2016	(32) 16.05.2011
SORGER, Jonathan, M.	29.01.2016	(33) United States of America
AZIZIAN, Mahdi	(33) European Patent Office (EPO)	(51) A61C 19/00
HOFFMAN, Brian, D.	European Patent Office (EPO)	(11) EP4046593
DIMAIO, Simon, P.	European Patent Office (EPO)	(21) EP20876514.9
(31) 201662421095 P	(51) A61C 8/00	(47) 19.06.2024
(32) 11.11.2016	(11) EP4190275	(87) JP2020037076
(33) United States of America	(21) EP22212102.2	22.04.2021
(51) A61C 5/90	(47) 19.06.2024	(22) 30.09.2020
(11) EP3666221	(22) 28.01.2021	(54) LIQUID TREATMENT NOZZLE FOR
(21) EP18212441.2	(54) SUPERSTRUCTURE AND DENTAL	PURIFYING LIQUID PIPE OF DENTAL
(47) 19.06.2024	PROSTHESIS	DEVICE
(22) 13.12.2018	(73) TRI Dental Implants Int. AG	(73) New Environmental Technology Council
(54) FILM TENSIONING ELEMENT	(72) KAST, Holger	Waseda Business Consulting Co., Ltd.
(73) Ivoclar Vivadent AG	VENANZONI, Sandro	(72) TANAKA Masahiko
(72) Schmid, André	PEREZ, Rafael	KAWAI Hiroyuki
Müller, Frank	JUNG, Ronald	(31) 2019190685
Enggist, Lukas	(31) 102020102307	(32) 18.10.2019

(33) Japan	(72) BENICHO, Netanel	A61F 2/70
(51) A61C 19/00	SPENSER, Benjamin	A61F 2/50
G16H 40/60	(31) 71601105 P	(11) EP3995113
A61C 9/00	(32) 09.09.2005	(21) EP19936072.8
G16H 30/40	(33) United States of America	(47) 19.06.2024
G16H 70/20	(51) A61F 2/24	(87) KR2019012560
G16H 70/40	A61F 2/962	07.01.2021
(11) EP3865090	A61F 2/97	(22) 27.09.2019
(21) EP19870774.7	A61F 2/06	(54) HYBRID-TYPE ARTIFICIAL LIMB
(47) 19.06.2024	A61F 2/966	DEVICE AND CONTROL METHOD
(87) JP2019039984	A61F 2/856	THEREFOR
16.04.2020	(11) EP3746002	(73) Korea Labor Welfare Corporation Co.,
(22) 10.10.2019	(21) EP18706923.2	Ltd.
(54) DENTAL TREATMENT ASSISTANCE	(47) 19.06.2024	(72) CHOI, Jongmoon
DEVICE, DENTAL TREATMENT	(87) US2018017037	SHIN, Hyunjun
ASSISTANCE SYSTEM, DENTAL	08.08.2019	PARK, Jinkuk
TREATMENT ASSISTANCE METHOD,	(22) 06.02.2018	CHO, Hyeonseok
AND DENTAL TREATMENT	(54) DELIVERY SYSTEM AID AND	KIM, Shinki
ASSISTANCE PROGRAM	ASSOCIATED SYSTEMS	LEE, Huitae
(73) Kuraray Noritake Dental Inc.	(73) W.L. Gore & Associates, Inc.	KIM, Jong Kwon
(72) MURATA, Naofumi	(72) GODBEY, Jamin R.	PARK, Sehoon
YAMAGUCHI, Satoshi	SHUTE, Dean A.	RYU, Jeichung
(31) 2018192868	(31) 201862625654 P	JEON, Mankee
(32) 11.10.2018	(32) 02.02.2018	(31) 20190079536
(33) Japan	(33) United States of America	(32) 02.07.2019
(51) A61F 2/24	(51) A61F 2/50	(33) Korea (Republic)
(11) EP3223751	A61F 2/58	(51) A61F 2/848
(21) EP15830778.5	A61F 2/76	A61B 90/00
(47) 19.06.2024	(11) EP3735942	A61F 2/04
(87) EP2015077856	(21) EP19198445.9	A61B 1/00
02.06.2016	(47) 19.06.2024	A61B 17/00
(22) 26.11.2015	(22) 02.02.2016	(11) EP3393372
(54) TRANSCATHETER PROSTHETIC	(54) BIO-MECHANICAL PROSTHETIC	(21) EP16880087.8
HEART VALVE AND DELIVERY	FINGER WITH H-SHAPED ROCKER	(47) 19.06.2024
SYSTEM	(73) RCM Enterprise, LLC	(87) US2016068272
(73) Edwards Lifesciences Corporation	(72) Crittenden, Bradley Arthur	29.06.2017
(72) Spargias, Konstantinos	Thompson, Jr. Robert	(22) 22.12.2016
(31) 20140100595	Minnis, Sydney Tye	(54) SYSTEM FOR INCREASING A CROSS-
(32) 26.11.2014	Macduff, Charles Colin	SECTIONAL AREA OF A BODY LUMEN
(33) Greece	Klumper, Eric Dennis	(73) Prodeon Medical Corporation
(51) A61F 2/24	Bengtsson, Jon	(72) HSU, Ellen
(11) EP3923864	Peto, Anthony Charles	HSU, Thomas
(21) EP20709859.1	(31) 201562209843 P	HSU, Senzan
(47) 19.06.2024	201562111464 P	(31) 201662392388 P
(87) US2020016636	(32) 25.08.2015	201562387090 P
20.08.2020	03.02.2015	(32) 31.05.2016
(22) 04.02.2020	(33) United States of America	22.12.2015
(54) HEART VALVE FRAME DESIGN WITH	United States of America	(33) United States of America
NON-UNIFORM STRUTS	(51) A61F 2/60	United States of America
(73) Edwards Lifesciences Corporation	A61F 2/64	(51) A61F 2/90
(72) BUKIN, Michael	A61F 2/66	A61F 2/95
SHERMAN, Elena	A61F 5/01	D04C 1/06
NIR, Noam	(11) EP3352711	(11) EP3834780
SAAR, Tomer	(21) EP16760104.6	(21) EP21151615.8
(31) 201962805125 P	(47) 19.06.2024	(47) 19.06.2024
(32) 13.02.2019	(87) EP2016070865	(22) 19.10.2015
(33) United States of America	30.03.2017	(54) STENT FOR SPLINTING A VEIN, AND
(51) A61F 2/24	(22) 05.09.2016	SYSTEM FOR PUTTING IN PLACE A
A61F 2/95	(54) ORTHOPEDIC JOINT SYSTEM	STENT
B25B 27/10	(73) Ottobock SE & Co. KGaA	(73) MaRVis Interventional GmbH
B30B 7/04	(72) STORCK, Karl-Otto	(72) Dlaikan-Campos, Nasib
(11) EP4233792	PUSCH, Martin	(31) 102014115337
(21) EP23161711.9	(31) 102015116149	(32) 21.10.2014
(47) 19.06.2024	(32) 24.09.2015	(33) Germany
(22) 11.09.2006	(33) Germany	(51) A61F 4/00
(54) PROSTHETIC VALVE CRIMPING	(51) A61F 2/68	(11) EP4157161
DEVICE	A61F 2/64	(21) EP21729490.9
(73) Edwards Lifesciences Corporation	A61F 2/74	(47) 19.06.2024

(87) EP2021064258 09.12.2021	(87) US2023066155 28.12.2023	A61L 15/38 A61B 10/00
(22) 27.05.2021	(22) 25.04.2023	(11) EP3936095
(54) INPUT DEVICE FOR OPERATING AND/OR CONTROLLING A TECHNICAL DEVICE VIA A USER	(54) DYNAMIC CONVEX OSTOMY BARRIER	(21) EP21187505.9
(73) Universität Stuttgart	(73) Hollister Incorporated	(47) 19.06.2024
(72) MEHRING, Carsten	(72) LEADINGHAM, Brian T.	(22) 30.03.2017
(31) 102020114632	TETZLAFF, Patrick C.	(54) DETECTING MICROBIAL INFECTIONS IN WOUNDS
(32) 02.06.2020	CZAPLEWSKI, Gregory J.	(73) Qualizyme Diagnostics GmbH & Co KG
(33) Germany	(31) 202263354441 P	Synovo GmbH
(51) A61F 5/01	(32) 22.06.2022	ConvaTec Technologies Inc.
(11) EP4072479	(33) United States of America	(72) WROE, Sarah
(21) EP20820161.6	(51) A61F 7/00	PARSONS, David
(47) 19.06.2024	A61F 7/12	HEINZLE, Andrew
(87) EP2020085328	A61M 1/36	METCALF, Daniel Gary
17.06.2021	(11) EP3531991	BOWLER, Philip
(22) 09.12.2020	(21) EP17801615.0	BALLAMY, Lucy
(54) PLATE FOR INSERTION INTO THE PALATE AND METHOD FOR THE PRODUCTION THEREOF	(47) 19.06.2024	STEVEN, Jade
(73) Matuschek, Carsten	(87) EP2017077932	GAMERITH, Clemens
(72) Matuschek, Carsten	03.05.2018	LUSCHNIG, Daniel
(31) 19216014	(22) 31.10.2017	SIGL, Eva
(32) 13.12.2019	(54) WHOLE-BODY HYPERTHERMIA SYSTEM	BURNET, Michael
(33) European Patent Office (EPO)	(73) Elmedix NV	(31) 201662315565 P
(51) A61F 5/01	(72) BOGERS, John-Paul	(32) 30.03.2016
(11) EP3628277	VAN DEN BOSSCHE, Johan	(33) United States of America
(21) EP19196797.5	CONINGS, Liesbet	(51) A61F 13/00
(47) 19.06.2024	(31) 201618318	A61F 13/36
(22) 11.09.2019	17160450	A61F 13/44
(54) ENHANCED COMPRESSION SLEEVE FOR JOINTS	(32) 31.10.2016	A61L 15/28
(73) Brownmed, Inc.	(32) 10.03.2017	A61L 15/42
(72) Gambardella, Tamara	(33) United Kingdom	D04B 21/00
Breton, Daniel Joseph	European Patent Office (EPO)	D04B 21/12
Rodriguez, Brandon	(51) A61F 7/02	D04B 21/16
Garver, Matt	A61F 7/00	A61L 15/22
(31) 201816127651	A61H 39/00	A61L 15/54
(32) 11.09.2018	A61N 1/04	(11) EP3851083
(33) United States of America	A61N 1/08	(21) EP19860352.4
(51) A61F 5/02	A61N 1/28	(47) 19.06.2024
A61B 5/11	A61N 1/32	(87) JP2019033799
A61B 5/00	A61N 1/36	19.03.2020
G08B 21/24	(11) EP4205709	(22) 28.08.2019
A61F 5/055	(21) EP20950630.2	(54) MEDICAL GAUZE
A63B 23/02	(47) 19.06.2024	(73) Hakujuji Kabushiki Kaisha
A63B 24/00	(87) CN2020111238	Asahi Kasei Kabushiki Kaisha
(11) EP3760170	03.03.2022	(72) SATO, Koichi
(21) EP20465535.1	(22) 26.08.2020	OGURA, Hiroshi
(47) 19.06.2024	(54) PATCH HAVING INTELLIGENT DETERMINATION SYSTEM AND USED FOR THERMAL SIGNAL TRANSMISSION	TAKEUCHI, Hisaharu
(22) 12.06.2020	(73) Chang, Hui-Ling	HOSHIDA, Yusuke
(54) DEVICE FOR REAL-TIME MONITORING AND ACTIVE POSTURAL AUTOCORRECTION	(72) WU, Chang-Sheng	ITO, Kenji
(73) Institutul National de Cercetare - Dezvoltare Pentru Mecatronica Si Tehnica Masurarii- I.N.C.D.M.T.M. Bucuresti	FU, Ke-Chi	(31) 2018172687
(72) BADEA, Cristian Radu	CHANG, Chung-Chuan	(32) 14.09.2018
(31) 201900398	WANG, Jun-Sheng	(33) Japan
(32) 01.07.2019	LAI, Chien-Hung	(51) A61F 13/05
(33) Romania	(51) A61F 13/00	A61M 1/00
(51) A61F 5/443	A61F 13/02	(11) EP3917471
A61F 5/448	A61F 13/15	(21) EP20703343.2
(11) EP4312908	A61K 9/70	(47) 19.06.2024
(21) EP23724632.7	A61L 15/00	(87) US2020012560
(47) 19.06.2024	A61L 15/16	06.08.2020
	A61L 15/42	(22) 07.01.2020
	A61B 5/00	(54) TEARABLE DRESSING STRUCTURE
	G01N 33/00	(73) Solventum Intellectual Properties Company
	A61F 13/84	(72) LOCKE, Christopher Brian
	A61L 15/56	ROBINSON, Timothy Mark
	C12Q 1/37	(31) 201962797632 P
		(32) 28.01.2019
		(33) United States of America

(51) A61F 13/15 B01J 20/26 B01J 20/28 B65G 31/04 B65G 65/48	(33) United States of America	13.09.2018
(11) EP3711722	(51) A61F 13/471	(22) 07.03.2017
(21) EP18877665.2	A61F 13/512	(54) ASSISTANCE DEVICE
(47) 19.06.2024	A61F 13/514	(73) Fuji Corporation
(87) JP2018042172	(11) EP3821860	(72) ONO, Kazunari
23.05.2019	(21) EP20203663.8	HIRAOKA, Takehiro
(22) 14.11.2018	(47) 19.06.2024	ISOZUMI, Joji
(54) ABSORPTION AGENT AND ABSORBENT ARTICLE	(22) 23.10.2020	(51) A61H 1/02
(73) Nippon Shokubai Co., Ltd.	(54) ABSORBENT ARTICLE FOR MEN	(11) EP3909557
(72) KAWADA, Hiroki	(73) Swereco AB	(21) EP20185620.0
MASUDA, Makiko	(72) ULFSTRÖM, Cenneth	(47) 19.06.2024
TORII, Kazushi	(31) 1951303	(22) 14.07.2020
NAKASHIMA, Yasuhisa	(32) 12.11.2019	(54) STRETCHING DEVICE FOR STRETCHING EXERCISES
TACHI, Koji	(33) Sweden	(73) Trenkle & Trenkle GbR
IWAMURA, Taku	(51) A61F 13/49	(72) Trenkle, Kilian
KASANO, Yukihiro	A61F 13/00	(31) 202020102682 U
(31) 2018105508	A61F 13/02	(32) 13.05.2020
2017220864	A61F 13/15	(33) Germany
(32) 31.05.2018	(11) EP3429530	(51) A61H 7/00
16.11.2017	(21) EP17711207.5	A61H 15/00
(33) Japan	(47) 19.06.2024	A61H 23/02
Japan	(87) EP2017056444	A61H 9/00
(51) A61F 13/15	21.09.2017	(11) EP3834799
B05C 5/02	(22) 17.03.2017	(21) EP20212273.5
(11) EP3892246	(54) ELASTOMERIC ABSORBENT ARTICLES	(47) 19.06.2024
(21) EP21167447.8	(73) Drylock Technologies NV	(22) 07.12.2020
(47) 19.06.2024	(72) BORRERO, Ricardo	(54) PRESSURE-SENSING TYPE MASSAGE CHAIR SYSTEM
(22) 08.04.2021	GLAUG, Frank	(73) Bokjung Scale Corp.
(54) METHOD FOR APPLYING A POLYMERIC COMPOSITION AND ABSORBENT ARTICLES COMPRISING SUCH COMPOSITION	(31) 201762449388 P	(72) SON, Beomsoo
(73) The Procter & Gamble Company	201662432851 P	(31) 20190164065
(72) STRASEMEIER, John Andrew	201662337111 P	(32) 10.12.2019
LINDNER, Torsten	201662310005 P	(33) Korea (Republic)
TURNER, Robert Haines	(32) 23.01.2017	(51) A61H 7/00
GIBSON, Fredrick William	12.12.2016	A61M 21/00
(31) 202063006934 P	16.05.2016	(11) EP3870130
(32) 08.04.2020	18.03.2016	(21) EP19808681.1
(33) United States of America	(33) United States of America	(47) 19.06.2024
(51) A61F 13/15	United States of America	(87) DE2019100896
B65G 47/24	United States of America	30.04.2020
B65H 39/14	(51) A61F 13/49	(22) 16.10.2019
(11) EP4216892	A61F 13/493	(54) DEVICE FOR INCREASING THE WELL- BEING OF LIVING BEINGS
(21) EP22765686.5	A61F 13/496	(73) Casada Group GmbH
(47) 19.06.2024	A61F 13/66	(72) RADTKE, Jakob
(87) US2022040652	A61F 13/15	(31) 102018128168
23.02.2023	(11) EP3801421	102018126800
(22) 17.08.2022	(21) EP19733294.3	(32) 12.11.2018
(54) ABSORBENT ARTICLE INSERT CUTTING AND TRANSFER APPARATUS WITH SERVO MOTOR SUB-SYSTEM	(47) 19.06.2024	26.10.2018
(73) Curt G. Joa, Inc.	(87) US2019035687	(33) Germany
(72) HORNESS, Darren, R.	19.12.2019	Germany
BRYANT, Jason, C.	(22) 06.06.2019	(51) A61H 15/02
KREIF, Lloyd, F.	(54) REVERSIBLE AND CONFIGURABLE ABSORBENT ARTICLES	A61H 1/00
BIBA, Scott, I.	(73) The Procter & Gamble Company	A61H 15/00
DAVENPORT, Daniel, S.	(72) LUDWIG, Susan, Joy	A61H 7/00
FRITZ, Jeffrey, W.	TALLY, Amy, Lynn	(11) EP3785689
WEAVER, Philip, A.	ROE, Donald, Carroll	(21) EP19793560.4
(31) 202163260315 P	(31) 201862683130 P	(47) 19.06.2024
(32) 17.08.2021	(32) 11.06.2018	(87) KR2019003415
	(33) United States of America	31.10.2019
	(51) A61G 7/14	(22) 25.03.2019
	A61G 5/14	(54) CONTROL DEVICE FOR MASSAGER
	A61G 7/10	(73) Ceragem Co., Ltd.
	(11) EP3593779	(72) KIM, Ki Sung
	(21) EP17899849.8	KIM, Sang Hee
	(47) 19.06.2024	LEE, Dong Myoung
	(87) JP2017009096	HAN, Sang Cheol

(31) 20180048419	PIOUD, Noémie	A61K 8/39
(32) 26.04.2018	GUILBAUD, Sophie	A61K 8/46
(33) Korea (Republic)	(31) 2006913	A61K 8/42
(51) A61H 15/02	(32) 30.06.2020	A61Q 5/02
A61H 7/00	(33) France	A61K 8/06
A61F 7/00	(51) A61K 8/20	A61K 9/107
A61N 5/06	A61Q 11/00	A61K 31/355
A61H 15/00	A61L 2/16	A61K 47/10
(11) EP3607927	A61K 33/18	A61K 47/18
(21) EP18780401.8	A01N 59/12	A61K 47/20
(47) 19.06.2024	A61K 45/06	(11) EP3796887
(87) KR2018000606	A61K 31/045	(21) EP19723313.3
11.10.2018	A61K 31/19	(47) 19.06.2024
(22) 12.01.2018	A61K 31/327	(87) EP2019025144
(54) THERMOTHERAPY DEVICE	A61K 33/40	28.11.2019
(73) Ceragem Co., Ltd.	C11D 3/48	(22) 10.05.2019
(72) PARK, Jin Cheol	A23B 4/20	(54) A PEDICULICIDAL SHAMPOO
KIM, Ki Sung	A23B 7/154	(73) Thornton & Ross Limited
HAN, Sang Cheol	A23L 3/3463	(72) BRUNTON, Elizabeth Rachel
LEE, Dong Myoung	A61P 31/10	COOPER, Nigel
(31) 20170045132	A23L 3/3481	(31) 201808398
(32) 07.04.2017	A61Q 15/00	(32) 22.05.2018
(33) Korea (Republic)	C02F 1/50	(33) United Kingdom
(51) A61J 1/03	A23L 3/3508	(51) A61K 8/81
A61J 7/02	(11) EP3125952	A61K 8/06
(11) EP3501475	(21) EP15773297.5	A61K 8/891
(21) EP17209934.3	(47) 19.06.2024	A61Q 1/02
(47) 19.06.2024	(87) US2015022643	A61Q 19/00
(22) 22.12.2017	08.10.2015	A61K 8/895
(54) PILL REMOVAL DETECTION DEVICE	(22) 26.03.2015	(11) EP3449904
(73) Popit Oy	(54) STABLE COMPOSITIONS OF	(21) EP17789039.9
(72) Nirhola, Marko	UNCOMPLEXED IODINE AND	(47) 19.06.2024
Heikkilä, Timo	METHODS OF USE	(87) JP2017007090
Piirainen, Teemu	(73) Iotech International, Inc.	02.11.2017
(51) A61J 1/05	(72) KOLSKY, Rodger, Elliot	(22) 24.02.2017
(11) EP3570805	MOSKOWITZ, Herbert	(54) EMULSIFIED COSMETIC
(21) EP18701321.4	KESSLER, Jack	(73) Shin-Etsu Chemical Co., Ltd.
(47) 19.06.2024	(31) 201461972626 P	(72) MORIYA Hiroyuki
(87) EP2018051480	(32) 31.03.2014	(31) 2016090824
26.07.2018	(33) United States of America	(32) 28.04.2016
(22) 22.01.2018	(51) A61K 8/22	(33) Japan
(54) PLASTIC CONTAINERS	A61K 8/44	(51) A61K 8/898
(73) GE Healthcare AS	A61Q 11/00	A61Q 5/02
(72) LANGSETH, Karina, Martha	A61K 8/20	A61Q 5/06
TAMNES, Eva, Krog	A61K 8/58	A61K 8/46
MATHISEN, Borge	A61K 8/49	(11) EP4065080
AABYE, Arne, Wang	(11) EP3528772	(21) EP20772044.2
LAUGEN, Harald	(21) EP17768574.0	(47) 19.06.2024
(31) 201703227	(47) 19.06.2024	(87) EP2020075595
201762448698 P	(87) US2017050052	03.06.2021
(32) 28.02.2017	26.04.2018	(22) 14.09.2020
20.01.2017	(22) 05.09.2017	(54) IMPROVING THE PERFORMANCE OF
(33) United Kingdom	(54) METHODS AND KITS FOR REMOVING	PIGMENT-BASED DYES BY USING A
United States of America	CALCULUS USING A NON-	PRETREATMENT AGENT
(51) A61K 8/06	ENZYMATIC, HYDROGEN PEROXIDE	(73) Henkel AG & Co. KGaA
A61K 8/37	DECOMPOSITION CATALYST	(72) HILBIG, Sandra
A61Q 19/00	(73) Solventum Intellectual Properties	MOCH, Melanie
(11) EP4171475	Company	DICKHOF, Susanne
(21) EP21734865.5	(72) HAJIME, Evan Koon Lun Yuuji	KRUCK, Constanze
(47) 19.06.2024	KOHLER RIEDI, Petra L.	KESSLER-BECKER, Daniela
(87) EP2021067919	OXMAN, Joel D.	(31) 102019218232
06.01.2022	HAEBERLEIN, Ingo R.	(32) 26.11.2019
(22) 29.06.2021	CAO, Chuntao	(33) Germany
(54) COMPOSITION COMPRISING A	SWANSON, Steven P.	(51) A61K 9/00
COMBINATION OF POLYGLYCEROL	(31) 201662410706 P	A61K 9/06
ESTERS	(32) 20.10.2016	A61K 9/48
(73) L'OREAL	(33) United States of America	A61K 9/51
(72) FAUGUE, Virginie	(51) A61K 8/37	A61K 9/70

A61K 35/00	(47) 19.06.2024	(54) NANOSTRUCTURE LIPID SYSTEM
A61K 47/46	(22) 04.05.2018	(73) Fundación Instituto de Investigación Sanitaria De Santiago de Compostela (FIDIS)
(11) EP4054525	(54) MIXTURE OF STABILISED BIOLOGICALLY AVAILABLE CURCUMIN FOR ORODISPERSIBLE FORMULATIONS, FORMULATIONS OF BIOLOGICALLY AVAILABLE CURCUMIN, AND AN ORODISPERSIBLE TABLET WITH BIOLOGICALLY AVAILABLE CURCUMIN, AND ITS APPLICATION	Servizo Galego De Saúde
(21) EP20820325.7	(73) mcePharma s. r. o.	Universidade de Santiago de Compostela
(47) 19.06.2024	(72) Kral, Vladimir	(72) ÁLVAREZ GONZÁLEZ, José Víctor
(87) DE2020100988	Mikes, Ivan	COUCE PICO, M ^a Luz
22.07.2021	Stonis, Jan	LEIS TRABAZO, M ^a Rosaura
(22) 21.11.2020	Martasek, Pavel	COLÓN MEJERAS, Cristobal
(54) PROVISION OF BACTERIOPHAGES IN VARIOUS DOSAGE FORMS AND BACTERIOPHAGE APPLICATION DEVICE	Jakubek, Milan	LUZARDO ÁLVAREZ, Asteria
(73) PHATEC GMBH	Dolezalova, Andrea	OTERO ESPINAR, Francisco Javier
(72) GROSS, Justus	Kralova, Jarmila	(31) 18382513
JUNGHANS, Simon Frank	(31) 20170260	(32) 10.07.2018
(31) 102020100725	(32) 08.05.2017	(33) European Patent Office (EPO)
(32) 14.01.2020	(33) Czech Republic	(51) A61K 9/51
(33) Germany	(51) A61K 9/10	A61K 9/16
(51) A61K 9/00	A61K 31/4152	A61K 31/00
A61K 9/06	A61K 47/32	A61K 31/167
A61K 47/10	A61K 47/36	(11) EP3928772
A61K 47/14	A61K 47/38	(21) EP20182425.7
A61K 47/20	A61P 21/02	(47) 19.06.2024
A61K 31/565	A61P 25/28	(22) 26.06.2020
A61P 35/00	(11) EP3875085	(54) NANOPARTICULATE COMPOSITION
(11) EP2836199	(21) EP19880770.3	(73) Algix Pharmaceuticals GmbH
(21) EP13737670.3	(47) 19.06.2024	(72) BÖGERSHAUSEN, Ansgar
(47) 19.06.2024	(87) JP2019043013	LIEBICH, Lena
(87) IN2013000235	07.05.2020	HASSE, Birgit
17.10.2013	(22) 01.11.2019	HAGEDORN, Martin
(22) 09.04.2013	(54) EDARAVONE SUSPENSION FOR ORAL ADMINISTRATION	KOOPMANS, Guido
(54) FULVESTRANT FORMULATIONS	(73) Mitsubishi Tanabe Pharma Corporation	RISCHER, Matthias
(73) Eagle Pharmaceuticals, Inc.	(72) HAYASHI, Kouji	KNEISEL, Sandra
(72) PALEPU, Nagesh R.	MIYAZAWA, Tadashi	(51) A61K 9/70
TEJA, Bulusu Bhanu	HAYAMA, Tetsuo	A61K 31/381
(31) 1418CH2012	MATSUDA, Munetomo	(11) EP3257504
(32) 09.04.2012	OMURA, Tomoyuki	(21) EP17185284.1
(33) India	TAKAHASHI, Tomohiro	(47) 19.06.2024
(51) A61K 9/00	(31) 2018207646	(22) 22.12.2010
A61K 9/20	(32) 02.11.2018	(54) POLYVINYLPIRROLIDONE FOR THE STABILIZATION OF A SOLID DISPERSION OF THE NON-CRYSTALLINE FORM OF ROTIGOTINE
A61K 47/26	(33) Japan	(73) UCB Biopharma SRL
A61K 47/36	(51) A61K 9/20	LTS Lohmann Therapie-Systeme AG
A61Q 11/00	A61K 31/40	(72) Quere, Luc
A23G 4/00	(11) EP3487484	Müller, Walter
(11) EP3093010	(21) EP17745676.1	Arth, Christoph
(21) EP16177740.4	(47) 19.06.2024	Wolff, Hans-Michael
(47) 19.06.2024	(87) EP2017068099	(31) 289302 P
(22) 17.10.2008	25.01.2018	(32) 22.12.2009
(54) ORAL COMPOSITION COMPRISING A COOLING AGENT	(22) 18.07.2017	(33) United States of America
(73) Reckitt Benckiser Healthcare (UK) Limited	(54) ATORVASTATIN COMPOSITION	(51) A61K 9/70
(72) MUIR, Neil	(73) STADA Arzneimittel AG	A61K 31/506
RHOADES, Robert	(72) SCHÖNBORN, Jessica	A61K 31/122
RODWELL, Alden	(31) 16180093	A61K 31/135
THURGOOD, David, Michael	(32) 19.07.2016	A61K 31/381
IYOHA, Kingsley	(33) European Patent Office (EPO)	A61K 31/4468
(31) 0720425	(51) A61K 9/50	A61K 31/4545
(32) 19.10.2007	(11) EP3820455	A61K 31/663
(33) United Kingdom	(21) EP19736745.1	(11) EP3713549
(51) A61K 9/00	(47) 19.06.2024	(21) EP18812087.7
A61K 36/9066	(87) EP2019068629	(47) 19.06.2024
A61K 9/51	16.01.2020	(87) EP2018082090
A61K 9/20	(22) 10.07.2019	13.06.2019
A61K 31/12		(22) 21.11.2018
A61P 35/00		
(11) EP3400932		
(21) EP18170818.1		

(54) TRANSDERMAL THERPEUTIC SYSTE BASED ON ADHESIVE PLASTICIZER- POLYMER-MATRICES	A61P 3/06 A61P 3/10 A61P 9/00	(32) 09.08.2017 (33) United States of America
(73) LTS Lohmann Therapie-Systeme AG	A61M 1/16	(51) A61K 31/397
(72) BAUER, Marius LINN, Michael MÜLLER, Markus	A61P 9/10 A61P 13/12	A61P 35/00 C07D 205/08
(31) 102017127433	(11) EP3592342	(11) EP4192449
(32) 21.11.2017	(21) EP18763384.7	(21) EP21752232.5
(33) Germany	(47) 19.06.2024	(47) 19.06.2024
(51) A61K 31/05	(87) US2018021053	(87) IB2021057046
A61P 25/00	13.09.2018	10.02.2022
(11) EP3967301	(22) 06.03.2018	(22) 02.08.2021
(21) EP21206188.1	(54) INTRADIALYTIC USE OF SODIUM NITRITE	(54) MODIFIED EZETIMIBE DRUG FOR CANCER TREATMENT
(47) 19.06.2024	(73) Hope Medical Enterprises, Inc. d.b.a. Hope Pharmaceuticals	(73) University of South Africa
(22) 27.09.2018	(72) SHERMAN, Craig	(72) TWALA, Charmy, Starnod NTWASA, Monde
(54) TREATMENT OF IRRITABILITY IN AUTISM SPECTRUM DISORDER WITH CANNABIDIOL	(31) 201762468857 P	(31) 202004811
(73) Zynerva Pharmaceuticals, Inc.	(32) 08.03.2017	(32) 04.08.2020
(72) MESSENHEIMER, John	(33) United States of America	(33) South Africa
SEBREE, Terri	(51) A61K 31/216	(51) A61K 31/4706
GUTTERMAN, Donna	A61K 38/28	C07D 215/54
BONN-MILLER, Marcel	A61K 31/343	C07D 215/16
TICH, Nancy	A61K 31/4168	C07D 215/42
(31) 201862632532 P	A61K 31/428	C07D 215/48
201762564834 P	A61K 31/465	A61P 9/10
(32) 20.02.2018	A61K 31/485	A61P 25/00
28.09.2017	A61K 31/57	A61P 29/00
(33) United States of America	A61M 31/00	A61P 35/00
United States of America	A61K 9/00	C07D 215/46
(51) A61K 31/192	A61P 13/10	(11) EP3427736
A61K 31/216	(11) EP3250183	(21) EP18192915.9
A61P 21/00	(21) EP16701812.6	(47) 19.06.2024
C07C 69/14	(47) 19.06.2024	(22) 19.06.2008
C07C 59/68	(87) EP2016051835	(54) ACTIVATORS AND THERAPEUTIC APPLICATIONS THEREOF
C07C 59/72	04.08.2016	(73) The Johns Hopkins University
C07C 255/54	(22) 28.01.2016	(72) PELTONEN, Karita
C07C 323/20	(54) VAGINAL DRUG DELIVERY DEVICE	LAIHO, Marikki
C07C 69/736	(73) LiGalli B.V.	(31) PCT/FI2007/000175
(11) EP3723745	(72) VAN DER VAART, Carl Huibert DE LAAT, Wilhelmus Nicolaas Gerardus Maria	(32) 20.06.2007
(21) EP18815729.1	(31) 15153322	(33) World Intellectual Property Office (WIPO)
(47) 19.06.2024	(32) 30.01.2015	(51) A61K 31/472
(87) EP2018084980	(33) European Patent Office (EPO)	A61K 45/06
20.06.2019	(51) A61K 31/352	A61K 9/00
(22) 14.12.2018	A61K 31/05	A61P 43/00
(54) PHENOXY ACIDS FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS	A61K 31/192	(11) EP4065117
(73) NMD Pharma A/S	A61K 36/185	(21) EP20841730.3
(72) BÆKGAARD NIELSEN, Ole	A61P 29/00	(47) 19.06.2024
LABELLE, Marc	A61P 1/02	(87) EP2020087950
BROCH-LIPS, Martin	A61P 43/00	08.07.2021
J.S. KNUTSEN, Lars	C07D 311/80	(22) 29.12.2020
HOLM PEDERSEN, Thomas	(11) EP3664795	(54) ISOQUINOLINE DERIVATIVES FOR USE IN TREATING GLUT1 DEFICIENCY SYNDROME
KUMAR, Rajesh	(21) EP18844547.2	(73) Gliapharm SA
KELLY, Nicholas	(47) 19.06.2024	(72) RITCHIE, Timothy John
ELSBORG OLESEN, Claus	(87) IL2018050885	MAGISTRETTI, Pierre
(31) 201762598940 P	14.02.2019	LENGACHER, Sylvain
18151605	(22) 09.08.2018	FINSTERWALD, Charles
(32) 14.12.2017	(54) CANNABIS AND DERIVATIVES THEREOF FOR THE TREATMENT OF PAIN AND INFLAMMATION RELATED WITH DENTAL PULP AND BONE REGENERATION RELATED TO DENTAL JAW BONE DEFECTS	(31) 19220107
15.01.2018	(73) Cannibite BVBA	(32) 30.12.2019
(33) United States of America	(72) STAHL, Veronica	(33) European Patent Office (EPO)
European Patent Office (EPO)	(31) 201762542846 P	(51) A61K 31/496
(51) A61K 31/198		A61P 35/02
A61K 31/27		(11) EP3488850
A61K 31/65		(21) EP17833256.5
A61K 33/00		(47) 19.06.2024
		(87) CN2017081173

01.02.2018	ABDULRAHIM, Mouad	DIFFERENTIATION AND ASSOCIATED
(22) 20.04.2017	BENNETT, Chad E.	PATHOLOGIES
(54) NOVEL APPLICATION OF GZD824 AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF IN TREATING DISEASES	HERTLEIN, Erin	(73) The Johns Hopkins University
(73) HEALTHQUEST PHARMA INC.	(31) 201862688612 P	(72) DIETZ, Harry C.
(72) DING, Ke	(32) 22.06.2018	KIM, David
YE, Wei	(33) United States of America	(31) 201562167426 P
LU, Xiaoyun	(51) A61K 31/575	201462046383 P
LI, Peng	A61P 1/16	(32) 28.05.2015
(31) 201611040298	C07J 9/00	05.09.2014
201610592371	(11) EP2470553	(33) United States of America
(32) 11.11.2016	(21) EP10811080.0	United States of America
25.07.2016	(47) 19.06.2024	(51) A61K 35/12
(33) China	(87) CA2010001338	A61K 35/34
China	03.03.2011	C12N 5/00
(51) A61K 31/53	(22) 25.08.2010	A61N 1/32
A61P 35/00	(54) POLYHYDROXYLATED BILE ACIDS FOR TREATMENT OF BILIARY DISORDERS	A61K 35/545
C07D 487/04	(73) Qing Bile Therapeutics Inc.	A61N 1/36
(11) EP4259152	(72) LING, Victor	A61P 9/00
(21) EP21840712.0	WANG, Renxue	A61P 35/00
(47) 19.06.2024	SHEPS, Jonathan Ahab	C12N 5/077
(87) SK2021050015	(31) 236750 P	(11) EP3870188
23.06.2022	(32) 25.08.2009	(21) EP19806346.3
(22) 13.12.2021	(33) United States of America	(47) 19.06.2024
(54) CEMENTRESTAT DISULFIDE, PRODRUG OF ALDO-KETO REDUCTASE INHIBITOR, PREPARATION, PHARMACEUTICAL COMPOSITION AND USE THEREOF	(51) A61K 31/7048	(87) US2019057716
(73) Univerzita Komenskeho V Bratislave Centrum Experimentálnej Medicíny SAV, v.v.i.	A61K 31/575	30.04.2020
(72) STEFEK, Milan	A61K 47/28	(22) 23.10.2019
ADDOVÁ, Gabriela	A61K 9/12	(54) PREVENTION AND TREATMENT OF TERATOMA FORMATION IN STEM CELL-BASED THERAPIES USING ALTERNATING ELECTRIC FIELDS
KOVÁČIKOVÁ, Lucia	C12P 19/62	(73) The Board of Trustees of the Leland Stanford Junior University
BOHÁČ, Andrej	C07H 17/08	(72) WU, Joseph C.
SOLTĚSOVÁ-PRNOVÁ, Marta	A61P 11/10	GAMBHIR, Sanjiv Sam
(31) 500742020	(11) EP3439668	WARDAK, Mirwais
(32) 14.12.2020	(21) EP17779973.1	CHANG, Edwin
(33) Slovakia	(47) 19.06.2024	(31) 201862749305 P
(51) A61K 31/573	(87) US2017026806	(32) 23.10.2018
A61K 31/519	12.10.2017	(33) United States of America
A61K 31/506	(22) 10.04.2017	(51) A61K 35/742
A61P 17/06	(54) SMALL MOLECULE-MEDIATED RESTORATION OF AIRWAY SURFACE PHYSIOLOGY IN HUMAN CYSTIC FIBROSIS LUNG EPITHELIA	A01K 7/02
A61P 35/00	(73) The Board of Trustees of the University of Illinois	A61D 7/00
A61P 37/06	(72) MURAGLIA, Katrina, A.	A23K 10/18
A61K 45/06	BURKE, Martin, D.	A61K 9/00
C07D 215/12	(31) 201662320795 P	A61K 47/00
A61K 31/47	201662320111 P	(11) EP3060225
A61K 31/436	(32) 11.04.2016	(21) EP14855334.0
A61K 31/451	08.04.2016	(47) 19.06.2024
(11) EP3793562	(33) United States of America	(87) US2014062446
(21) EP19822319.0	United States of America	30.04.2015
(47) 19.06.2024	(51) A61K 31/713	(22) 27.10.2014
(87) US2019038622	A61K 38/05	(54) DELIVERY SYSTEM AND PROBIOTIC COMPOSITION FOR ANIMALS
26.12.2019	A61K 38/55	(73) NCH Corporation
(22) 22.06.2019	A61K 48/00	(72) PRUITT, Judith Gayle
(54) METHODS AND COMPOSITIONS FOR INHIBITION OF DIHYDROOROTATE DEHYDROGENASE	A61P 35/00	ERDMAN, Alex
(73) Ohio State Innovation Foundation	A61K 38/17	GREENWALD, Charles
Hendrix College	(11) EP3188746	KNOPE, John Lawrence
(72) BYRD, John C.	(21) EP15837830.7	DENVIR, Adrian James
ELGAMAL, Ola	(47) 19.06.2024	BOYETTE, Scott Martell
VIBHUTE, Sandip Madhukar	(87) US2015048739	(31) 201361895775 P
GOODWIN, Thomas E.	10.03.2016	(32) 25.10.2013
	(22) 05.09.2015	(33) United States of America
	(54) TARGETING CAPN9 ACTIVITY AS A THERAPEUTIC STRATEGY FOR THE TREATMENT OF MYOFIBROBLAST	(51) A61K 35/745
		C12N 1/20
		A61P 1/00
		A61K 35/747
		(11) EP3773648

(21) EP20722692.9	(22) 11.02.2015	C12N 15/87
(47) 19.06.2024	(54) TILAPIA LAKE VIRUS VACCINES	A61K 51/04
(87) SE2020050397	(73) Ramot at Tel Aviv University Ltd.	A61K 51/08
22.10.2020	The State of Israel, Ministry of Agriculture	C07K 7/08
(22) 17.04.2024	& Rural Development, Kimron Veterinary	C07K 7/06
(54) THERAPEUTIC MICROVESICLES OF	Institute	A61K 47/64
PROBIOTIC BACTERIA	(72) ELDAR, Avi	A61K 9/00
(73) Biogaia AB	BACHARACH, Eran	(11) EP3949995
(72) KUNZE, Wolfgang	(31) 23097014	(21) EP20779187.2
BIENENSTOCK, John	(32) 13.02.2014	(47) 19.06.2024
ROOS, Stefan	(33) Israel	(87) JP2020007917
(31) 1951222	(51) A61K 39/395	01.10.2020
1950483	A61K 9/08	(22) 27.02.2020
(32) 25.10.2019	A61K 47/18	(54) PEPTIDE AND USE THEREOF
17.04.2019	A61K 47/26	(73) Kansai Medical University Educational
(33) Sweden	A61P 17/06	Corporation
Sweden	A61P 37/02	(72) KONDO Eisaku
(51) A61K 38/00	(11) EP3603669	SAITO Ken
A61K 38/10	(21) EP18775644.0	(31) 2019057966
A61P 31/04	(47) 19.06.2024	(32) 26.03.2019
A61K 31/70	(87) JP2018013559	(33) Japan
A61K 31/53	04.10.2018	(51) A61K 45/00
(11) EP3826659	(22) 30.03.2018	C07H 21/04
(21) EP19833946.7	(54) AQUEOUS FORMULATION,	C12N 15/00
(47) 19.06.2024	AQUEOUS FORMULATION IN	(11) EP3113800
(87) US2019041112	INJECTOR, ANTIBODY PROTEIN	(21) EP15758620.7
16.01.2020	DISAGGREGATING AGENT,	(47) 19.06.2024
(22) 10.07.2019	AND ANTIBODY PROTEIN	(87) US2015018338
(54) IMMUNOMODULATOR FOR USE IN	DISAGGREGATION METHOD	11.09.2015
THE TREATMENT OF A BACTERIAL	(73) Dong-A Socio Holdings Co., Ltd.	(22) 02.03.2015
INFECTION	Meiji Seika Pharma Co., Ltd.	(54) ENHANCED PRODUCTION OF
(73) Rush University Medical Center	(72) FUJITA, Michinari	RECOMBINANT CRM197 IN E. COLI
(72) SHAFIKHANI, Sasha, Hadi	KAYA, Arpansiree	(73) Scarab Genomics, LLC
(31) 201862695976 P	(31) 2017070844	(72) CHOI, Hyunsic
(32) 10.07.2018	(32) 31.03.2017	STEFFEN, Eric, A.
(33) United States of America	(33) Japan	NOVY, Robert, E.
(51) A61K 38/22	(51) A61K 39/395	LANDRY, Charles, F.
A61K 51/08	A61K 38/03	HENKER, Terrance, M.
C07K 14/595	A61K 47/22	POSFAL, Gyorgy
G01N 33/574	A61K 47/18	BLATTNER, Frederick, R.
(11) EP3684395	A61P 35/00	FRISCH, David, A.
(21) EP18769063.1	C07K 16/28	BLATTNER, Cristopher, R.
(47) 19.06.2024	(11) EP3678700	(31) 201461947234 P
(87) EP2018073020	(21) EP18854741.8	(32) 03.03.2014
28.03.2019	(47) 19.06.2024	(33) United States of America
(22) 27.08.2018	(87) US2018048995	(51) A61K 45/06
(54) MINIGASTRIN DERIVATES, IN	14.03.2019	A61K 31/436
PARTICULAR FOR USE IN CCK2	(22) 31.08.2018	A61K 31/337
RECEPTOR POSITIVE TUMOUR	(54) COMPOUNDS FOR REDUCING	A61K 31/727
DIAGNOSIS AND/OR TREATMENT	THE VISCOSITY OF BIOLOGICAL	A61P 7/02
(73) Paul Scherrer Institut	FORMULATIONS	A61P 9/00
(72) GROB, Nathalie.	(73) Merck Sharp & Dohme LLC	A61P 35/00
BEHE, Martin	(72) BAK, Annette	(11) EP3116581
SCHIBLI, Roger.	KASHI, Ramesh, S.	(21) EP15718391.4
MINDT, Thomas.	XIAO, Dong	(47) 19.06.2024
(31) 17192428	VACHAL, Petr	(87) US2015020390
(32) 21.09.2017	TOUSSAINT, Nathalie, Y.	17.09.2015
(33) European Patent Office (EPO)	CHU, Lin	(22) 13.03.2015
(51) A61K 39/012	(31) 201762554134 P	(54) IMPLANTABLE MEDICAL DEVICE
A61K 35/76	(32) 05.09.2017	HAVING COATINGS
C12N 7/08	(33) United States of America	(73) W.L. Gore & Associates, Inc.
A61K 9/00	(51) A61K 45/00	(72) CLEEK, Robert, L.
C12N 7/00	A61P 35/00	LEONTEIN, Karin
A61K 39/00	C07K 14/00	JOHNSON, Todd, J.
A61P 31/00	A61K 47/36	HOLLAND, Theresa, A.
(11) EP3342422	A61K 47/42	VINCENT, Lars
(21) EP18154927.0	A61K 49/00	DRUMHELLER, Paul, D.
(47) 19.06.2024	C12N 15/11	STEINHAUS, Bruce

ANTONI, Per	(54) STERILIZATION METHOD AND	A61L 31/06
PIETRZAK, Krzysztof, R.	STERILIZATION DEVICE	A61L 31/14
(31) 201414210118	(73) Asahi Kasei Kabushiki Kaisha	A61L 31/16
(32) 13.03.2014	(72) Matsumoto, Osamu	A61L 27/54
(33) United States of America	(31) 2018168467	A61L 27/34
(51) A61K 47/69	2017185430	A61L 31/10
A61K 47/34	(32) 10.09.2018	A61L 27/30
A61K 47/59	26.09.2017	A61L 31/08
A61K 9/51	(33) Japan	(11) EP3563879
A61P 35/00	Japan	(21) EP17887162.0
(11) EP2961395	(51) A61L 2/232	(47) 19.06.2024
(21) EP13876244.8	A61L 2/10	(87) CN2017117214
(47) 19.06.2024	(11) EP3578207	05.07.2018
(87) US2013028663	(21) EP19168925.6	(22) 19.12.2017
04.09.2014	(47) 19.06.2024	(54) ABSORBABLE IRON-BASED
(22) 01.03.2013	(22) 12.04.2019	INSTRUMENT
(54) TARGETED NANOPARTICLES	(54) ULTRAVIOLET LIGHT IRRADIATION	(73) Biotyx Medical (Shenzhen) Co., Ltd.
(73) CALIFORNIA INSTITUTE OF	DEVICE	(72) SUN, Hongtao
TECHNOLOGY	(73) Asahi Kasei Kabushiki Kaisha	ZHANG, Deyuan
(72) HAN, Han	(72) Ito, Naoto	HU, Jun
DAVIS, Mark, E.	Kishi, Hiroyuki	CHEN, Liping
(51) A61K 48/00	Yabuki, Naoto	(31) 201611262095
C12N 15/85	Baba, Ryosuke	(32) 30.12.2016
(11) EP3534966	Sugiyama, Sho	(33) China
(21) EP17811378.3	Kodama, Atsushi	(51) A61L 24/08
(47) 19.06.2024	Jinno, Sumire	A61L 26/00
(87) IB2017056792	(31) 2018081808	(11) EP4201438
11.05.2018	2018081807	(21) EP22211758.2
(22) 01.11.2017	2018081806	(47) 19.06.2024
(54) SYN198, A PROMOTER FOR THE	2018081805	(22) 06.12.2022
SPECIFIC EXPRESSION OF GENES	2018081804	(54) HEMOSTATIC MATERIAL
IN DIRECTION SELECTIVE RETINAL	(32) 20.04.2018	COMPOSITION
GANGLION CELLS	20.04.2018	(73) FUJIFILM Corporation
(73) Friedrich Miescher Institute for	20.04.2018	(72) YOSHITANI, Toshihide
Biomedical Research	20.04.2018	KURAMOTO, Mamoru
(72) ROSKA, Botond	20.04.2018	(31) 2021207606
KREBS, Arnaud	(33) Japan	(32) 21.12.2021
SCHUEBELER, Dirk	Japan	(33) Japan
JUETTNER, Josephine	Japan	(51) A61L 27/26
HARTL, Dominik	Japan	A61L 27/36
(31) 16196818	Japan	A61L 27/38
(32) 02.11.2016	(51) A61L 15/22	A61L 27/54
(33) European Patent Office (EPO)	A61L 15/28	B33Y 70/00
(51) A61L 2/00	A61L 15/32	B33Y 80/00
C12Q 1/22	A61L 15/44	(11) EP4003439
C12Q 1/02	A61L 15/46	(21) EP20757665.3
C12N 7/06	(11) EP3990037	(47) 19.06.2024
A61L 2/10	(21) EP20743838.3	(87) IB2020056856
A61L 2/08	(47) 19.06.2024	28.01.2021
A61L 2/28	(87) IB2020056046	(22) 21.07.2020
(11) EP3646890	30.12.2020	(54) DETERGENT-FREE DECELLULARIZED
(21) EP19207232.0	(22) 25.06.2020	EXTRACELLULAR MATRIX
(47) 19.06.2024	(54) LAYERED COLLAGEN DRESSING	PREPARATION METHOD AND BIOINKS
(22) 05.11.2019	WITH EXTENDED BACTERIA AND	FOR 3D PRINTING
(54) HIGH-FREQUENCY PULSED LIGHT	BIOFILM REDUCING CAPABILITIES	(73) Polbionica Sp. z o.o.
DECONTAMINATION BIO-INDICATOR	(73) Solventum Intellectual Properties	(72) BERMAN, Andrzej
(73) Sterixene	Company	WSZOLA, Michal
(72) PUISNEL, Christophe	(72) DERRICK, Kathleen L.	CYWONIUK, Piotr
FRANC, Janyce	KIESWETTER, Kristine M.	BRYNIARSKI, Tomasz
(31) 1871370	(31) 201962868639 P	KOSOWSKA, Katarzyna
(32) 05.11.2018	(32) 28.06.2019	GOMOLKA, Magdalena
(33) France	(33) United States of America	DOBRZANSKI, Tomasz
(51) A61L 2/10	(51) A61L 17/10	KOWALSKA, Patrycja
A61L 2/24	A61L 17/12	TUROWSKI, Pawel
(11) EP3459568	A61L 27/04	ZAMORA, Igor
(21) EP18196518.7	A61L 27/18	OLENDER, Ewa
(47) 19.06.2024	A61L 27/58	KLAK, Marta
(22) 25.09.2018	A61L 31/02	OLKOWSKI, Radoslaw

TYMICKI, Grzegorz KAMINSKI, Artur (31) 19218191 19461559	METHOD FOR MONITORING PRESSURES IN AN EXTRACORPOREAL BLOOD TREATMENT APPARATUS	(33) United States of America United States of America
(32) 19.12.2019 22.07.2019	(73) Gambro Lundia AB (72) POUCHOU LIN, Dominique KARLSSON, David	(51) A61M 5/142 (11) EP3378512 (21) EP16866459.7 (47) 19.06.2024 (87) JP2016084315 26.05.2017
(33) European Patent Office (EPO) European Patent Office (EPO)	(51) A61M 1/36 (11) EP3697466 (21) EP18797377.1 (47) 19.06.2024 (87) US2018056139 25.04.2019	(22) 18.11.2016 (54) MEDICAL PUMP, METHOD FOR CONTROLLING MEDICAL PUMP, AND PROGRAM FOR CONTROLLING MEDICAL PUMP
(51) A61L 31/16 A61L 27/54 A61L 31/06 A61L 27/14 A61N 1/375 (11) EP3700595 (21) EP18793096.1 (47) 19.06.2024 (87) US2018053932 02.05.2019	(22) 16.10.2018 (54) METHODS FOR DETECTING ACCESS RECIRCULATION (73) Fresenius Medical Care Holdings, Inc. (72) KOTANKO, Peter MAHESHWARI, Vaibhav THIJSSSEN, Stephan	(73) Terumo Kabushiki Kaisha (72) YOSHIMACHI, Daisuke FUKUSHIMA, Eisuke NOMURA, Takafumi (31) 2015227943 (32) 20.11.2015 (33) Japan
(22) 02.10.2018 (54) KITS FOR ANCHORING IMPLANTABLE MEDICAL DEVICES (73) Medtronic, Inc. (72) BUEVICH, Fatima PULAPURA, Satish CHEN, Xiangji	(31) 201762573583 P (32) 17.10.2017 (33) United States of America (51) A61M 1/36 A61M 1/18 A61M 1/16 B01D 63/02 B01D 71/26	(51) A61M 5/168 A61M 5/36 A61M 5/142 (11) EP3705148 (21) EP20160966.6 (47) 19.06.2024 (22) 04.03.2020 (54) IN CYCLE PRESSURE MEASUREMENT
(31) 201715795567 (32) 27.10.2017 (33) United States of America	(11) EP3574939 (21) EP18745313.9 (47) 19.06.2024 (87) JP2018001371 02.08.2018	(54) IN CYCLE PRESSURE MEASUREMENT (73) Eitan Medical Ltd. (72) EITAN, Boaz RASOWSKY, Amir MIZRAHI, David
(51) A61M 1/14 E03C 1/12 (11) EP3737441 (21) EP19700345.2 (47) 19.06.2024 (87) EP2019050281 18.07.2019	(22) 18.01.2018 (54) HEAT EXCHANGER AND ARTIFICIAL LUNG (73) Terumo Kabushiki Kaisha (72) GYOTEN, Akira MATSUMOTO, Wataru	(31) 201962813292 P (32) 04.03.2019 (33) United States of America (51) A61M 5/24 A61M 5/28 A61M 5/315 A61M 5/20 A61M 5/32
(22) 08.01.2019 (54) DEVICE FOR DISCHARGING WASTE WATER (73) Fresenius Medical Care Deutschland GmbH (72) ENGELN, Florian (31) 102018000146 (32) 11.01.2018 (33) Germany	(31) 2017012542 (32) 26.01.2017 (33) Japan (51) A61M 5/14 A61M 1/14 A61M 1/16 A61M 1/34 A61M 1/36 A61M 39/10 A61M 39/22 F04B 43/06 F16K 99/00	(11) EP3860692 (21) EP19779522.2 (47) 19.06.2024 (87) EP2019077068 09.04.2020 (22) 07.10.2019 (54) AUTO INJECTOR WITH EFFECTIVE INSERTION SYSTEM
(51) A61M 1/16 A61M 1/28 (11) EP3703774 (21) EP18804786.4 (47) 19.06.2024 (87) US2018058192 09.05.2019	(22) 18.01.2018 (54) HEAT EXCHANGER AND ARTIFICIAL LUNG (73) Terumo Kabushiki Kaisha (72) GYOTEN, Akira MATSUMOTO, Wataru	(31) 201962813292 P (32) 04.03.2019 (33) United States of America (51) A61M 5/24 A61M 5/28 A61M 5/315 A61M 5/20 A61M 5/32
(22) 30.10.2018 (54) MIXING FOR ONLINE MEDICAL FLUID GENERATION (73) Baxter Healthcare SA Baxter International Inc (72) WELLINGS, Anders J. JANSSON, Olof	(31) 2017012542 (32) 26.01.2017 (33) Japan (51) A61M 5/14 A61M 1/14 A61M 1/16 A61M 1/34 A61M 1/36 A61M 39/10 A61M 39/22 F04B 43/06 F16K 99/00	(11) EP3860692 (21) EP19779522.2 (47) 19.06.2024 (87) EP2019077068 09.04.2020 (22) 07.10.2019 (54) AUTO INJECTOR WITH EFFECTIVE INSERTION SYSTEM
(31) 201762580228 P (32) 01.11.2017 (33) United States of America	(22) 18.01.2018 (54) HEAT EXCHANGER AND ARTIFICIAL LUNG (73) Terumo Kabushiki Kaisha (72) GYOTEN, Akira MATSUMOTO, Wataru	(31) 201962813292 P (32) 04.03.2019 (33) United States of America (51) A61M 5/24 A61M 5/28 A61M 5/315 A61M 5/20 A61M 5/32
(51) A61M 1/36 (11) EP3636296 (21) EP18199898.0 (47) 19.06.2024 (22) 11.10.2018	(11) EP3691711 (21) EP18864520.4 (47) 19.06.2024 (87) US2018053978 11.04.2019	(73) Phillips-Medisize A/S (72) RASMUSSEN, Jørgen, Funder SØRENSEN, Bjarne JENSEN, Emil, Wegger DAUL, Lucile BECHMANN, Søren, Koch OLESEN, Jan JOHANSEN, Esben, Weldingh
(54) EXTRACORPOREAL BLOOD TREATMENT APPARATUS AND	(22) 02.10.2018 (54) MODULAR MEDICAL FLUID MANAGEMENT ASSEMBLIES AND ASSOCIATED MACHINES AND METHODS (73) Baxter Healthcare SA Baxter International Inc. (72) LOS, Oleg (31) 201715723773 201715723921 (32) 03.10.2017 03.10.2017	(31) PA201870663 PA201870662 18198936 (32) 05.10.2018 05.10.2018 05.10.2018 (33) Denmark Denmark European Patent Office (EPO)
		(51) A61M 11/00 A24F 47/00

A61M 15/00	COX, Michael John Henri	(47) 19.06.2024
A61M 15/06	BEARNE, Peter David Alexander	(87) US2018053806
A24F 42/60	MASON, Isaac Tristram Tane	04.04.2019
A24F 42/20	OLSEN, Gregory James	(22) 01.10.2018
(11) EP4048353	(31) 201261715214 P	(54) INDWELLING CATHETER, CATHETER
(21) EP20797201.9	201161553872 P	INTRODUCER MATING DEVICE AND
(47) 19.06.2024	(32) 17.10.2012	SYSTEM COMPRISING BOTH
(87) IB2020059990	31.10.2011	(73) Spinal Singularity, Inc.
29.04.2021	(33) United States of America	(72) HERRERA, Derek
(22) 23.10.2020	United States of America	KASALKO, Jeff
(54) INHALER ARTICLE WITH FOLDED	(51) A61M 16/10	(31) 201715785403
DISTAL END	A61M 16/16	201715785398
(73) Philip Morris Products S.A.	(11) EP3897798	201715785405
(72) CAMPITELLI, Gennaro	(21) EP19899859.3	201715721096
(31) 19205453	(47) 19.06.2024	(32) 16.10.2017
(32) 25.10.2019	(87) IB2019060918	16.10.2017
(33) European Patent Office (EPO)	25.06.2020	16.10.2017
(51) A61M 11/04	(22) 17.12.2019	29.09.2017
A24F 40/42	(54) HUMIDIFIER RESERVOIR	(33) United States of America
A24F 40/57	(73) ResMed Pty Ltd	United States of America
A24F 40/60	(72) DENT, Michael James	United States of America
A61M 15/06	VERMA, Hargopal	United States of America
(11) EP3996783	MULCAHY, David	(51) A61M 25/00
(21) EP20745458.8	(31) 201862781283 P	B65D 43/22
(47) 19.06.2024	(32) 18.12.2018	B65D 53/02
(87) US2020041691	(33) United States of America	B65D 43/16
21.01.2021	(51) A61M 25/00	B65D 43/24
(22) 10.07.2020	A61B 18/00	(11) EP3700612
(54) TEMPERATURE ADJUSTMENT OF A	(11) EP3578222	(21) EP18800400.6
VAPORIZER DEVICE	(21) EP19168446.3	(47) 19.06.2024
(73) PAX Labs, Inc.	(47) 19.06.2024	(87) US2018056693
(72) CZAPAR, Matthew	(22) 22.10.2013	02.05.2019
FARSHI, Oliver	(54) CATHETERS WITH ENHANCED	(22) 19.10.2018
LOENTAL, Christopher	FLEXIBILITY	(54) CAPS FOR CATHETER PACKAGES
MURPHY, Katherine	(73) Medtronic Ardian Luxembourg S.à.r.l.	(73) Hollister Incorporated
(31) 201962873588 P	(72) KU, Vincent	(72) MICHAL, Brandon, Lee
(32) 12.07.2019	GOSHGARIAN, Justin	NAUGHTON, Vincent
(33) United States of America	BEASLEY, Rudy	MARCH, Daniel, A.
(51) A61M 16/04	NASIT, Bhavin	WOLGEMUTH, David, Benjamin
A61M 16/08	(31) 201361863856 P	NETT, David, Louis
(11) EP3917602	201361863850 P	LUDLOW, Kevin, Anthony
(21) EP20708776.8	201361825018 P	BELISLE, Christopher, L.
(47) 19.06.2024	201361800195 P	O'BRIEN, Daniel, E.
(87) US2020015139	201361793144 P	PARMER, Timothy, Alan
06.08.2020	201261717067 P	HANLEY, Joseph, N.
(22) 27.01.2020	(32) 08.08.2013	AMBOURN, Jeffrey, A.
(54) RESPIRATORY ACCESS ASSEMBLY	08.08.2013	KENDELL, Paige, Erin
WITH IMPROVED SEAL ASSEMBLY	18.05.2013	CREAVEN, Martin, P.
(73) Avent, Inc.	15.03.2013	PUPINO, Scott, J.
(72) MADSEN, Edward B.	15.03.2013	(31) 201762577035 P
MITCHELL, Angela G.	22.10.2012	(32) 25.10.2017
(31) 201916263375	(33) United States of America	(33) United States of America
(32) 31.01.2019	United States of America	(51) A61M 25/02
(33) United States of America	United States of America	(11) EP2804655
(51) A61M 16/06	United States of America	(21) EP13706912.6
A61M 16/08	United States of America	(47) 19.06.2024
A61M 16/20	United States of America	(87) EP2013000111
(11) EP3848078	(51) A61M 25/00	25.07.2013
(21) EP20213427.6	A61M 25/01	(22) 16.01.2013
(47) 19.06.2024	A61B 5/20	(54) DEVICE FOR COVERING A CATHETER
(22) 31.10.2012	A61B 5/03	ACCESS TO A HUMAN OR ANIMAL
(54) INTERFACE COMPRISING A NASAL	A61F 2/00	BODY, IN PARTICULAR A CENTRAL
SEALING PORTION	A61M 39/22	VENOUS CATHETER ACCESS
(73) Fisher & Paykel Healthcare Limited	A61M 39/24	(73) PFM Medical AG
(72) MIDDELKOOP, Kristin Elizabeth	A61B 5/00	(72) KNOBLOCH, Helmut
PATEL, Roheet	A61F 2/04	(31) 202012000408 U
STEPHENSON, Matthew Roger	(11) EP3687616	(32) 18.01.2012
MARSHAL, Fadi	(21) EP18792715.7	(33) Germany

(51) A61M 25/06 A61M 25/01 A61B 5/15	(21) EP19709251.3 (47) 19.06.2024 (87) US2019018676 29.08.2019	(47) 19.06.2024 (87) US2019057782 30.04.2020
(11) EP3600516 (21) EP18771786.3 (47) 19.06.2024 (87) US2018023575 27.09.2018 (22) 21.03.2018	(22) 20.02.2019 (54) TETS RECHARGED PATIENT ALERT SYSTEM FOR LVAD PATIENTS (73) Medtronic, Inc. (72) CINBIS, Can (31) 201862633209 P (32) 21.02.2018 (33) United States of America	(22) 24.10.2019 (54) BIOSTIMULATOR FEEDTHROUGH HAVING INTEGRATED ELECTRODE CUP (73) Pacesetter, Inc. (72) STRANG, Tyler J. PASPA, Paul ALLEMAN, Wes SAHABI, Kavous FISHLER, Matthew G. VILLAVICENCIO, Brett FOLEY, Conor P. EBY, Thomas B. BOLING, Carl Lance SORIANO, Alex MALONE, Matthew R. KLEHN, Russell GARABED, Arees LUHRS, Thomas Robert
(54) DEVICES FOR FLUID TRANSFER THROUGH A PLACED PERIPHERAL INTRAVENOUS CATHETER (73) Velano Vascular, Inc. (72) EHRENREICH, Kevin J. DEVGON, Pitamber FUNK, Brian J. BRIGANTI, Richard T. (31) 201762474202 P (32) 21.03.2017 (33) United States of America	(37) A61N 1/05 A61F 9/00 A61N 1/372 A61N 1/36 A61B 17/34 (11) EP3687619 (21) EP18773211.0 (47) 19.06.2024 (87) EP2018076196 04.04.2019 (22) 26.09.2018 (54) DELIVERY DEVICE (73) Pixium Vision SA (72) DETERRE, Martin RUFFIEUX, Yves BERNHARD, Hans BOUILLET, Elodie (31) 17001597 (32) 27.09.2017 (33) European Patent Office (EPO)	(31) 201962895409 P 201862750681 P (32) 03.09.2019 25.10.2018 (33) United States of America United States of America
(51) A61M 25/09 A61B 17/12 A61M 25/00 A61B 17/00 A61F 2/01 (11) EP3585473 (21) EP18709895.9 (47) 19.06.2024 (87) US2018019441 30.08.2018 (22) 23.02.2018 (54) FLEXIBLE TORQUE CABLE FOR DELIVERY OF MEDICAL DEVICES (73) St. Jude Medical, Cardiology Division, Inc. (72) PERSZYK, Brian GALE, Caytlin (31) 201762503061 P 201762478883 P 201762462661 P (32) 08.05.2017 30.03.2017 23.02.2017 (33) United States of America United States of America United States of America	(51) A61N 1/05 A61N 1/372 A61N 1/375 A61N 1/365 A61N 1/368 A61B 5/00 (11) EP3843828 (21) EP19783662.0 (47) 19.06.2024 (87) IB2019057352 05.03.2020 (22) 30.08.2019 (54) ADAPTIVE VFA CARDIAC THERAPY (73) Medtronic, Inc. (72) GHOSH, Subham (31) 201862725763 P (32) 31.08.2018 (33) United States of America	(51) A61N 1/05 A61N 1/375 A61N 1/372 (11) EP3946556 (21) EP20720626.9 (47) 19.06.2024 (87) US2020024842 08.10.2020 (22) 26.03.2020 (54) SYSTEMS FOR TREATING CARDIAC ARRHYTHMIAS (73) Cardiac Pacemakers, Inc. (72) LIU, Lili FOSTER, Arthur J. SACHS, Dana HAASL, Benjamin J. KOOB, Brendan Early ALT, Justin Robert
(51) A61M 25/10 A61B 18/24 A61N 5/06 (11) EP4019075 (21) EP20855261.2 (47) 19.06.2024 (87) JP2020027627 25.02.2021 (22) 16.07.2020 (54) MEDICAL LIGHT IRRADIATION APPARATUS (73) KANEKA CORPORATION (72) FUJII, Akio TAKATA, Hironori (31) 2019150239 (32) 20.08.2019 (33) Japan	(73) Boston Scientific Neuromodulation Corporation (72) DOAN, Que, T. HUERTAS FERNANDEZ, Ismael MOFFITT, Michael, A. ZHU, Changfang (31) 201916657560 201916460640 201916460655 201962803330 P (32) 18.10.2019 02.07.2019 02.07.2019 08.02.2019 (33) United States of America United States of America United States of America United States of America	(31) 201962826496 P (32) 29.03.2019 (33) United States of America
(51) A61M 60/178 A61M 60/216 A61M 60/585 A61M 60/873 (11) EP3755391	(51) A61N 1/05 A61N 1/372 A61N 1/375 (11) EP3870267 (21) EP19802449.9	(51) A61N 1/36

A61B 5/00	HVALSØE, Thorsten Fjeldgaard	(31) 202062958843 P
A61N 1/362	(31) PA201900209	(32) 09.01.2020
A61N 1/37	(32) 17.02.2019	(33) United States of America
A61B 5/053	(33) Denmark	(51) A61N 1/39
A61N 1/05	(51) A61N 1/36	A61N 1/375
A61N 1/08	A61N 1/372	A61N 1/372
A61B 5/026	(11) EP3349846	A61B 5/283
A61B 5/03	(21) EP16770642.3	A61B 5/35
(11) EP3624890	(47) 19.06.2024	A61B 5/00
(21) EP18801715.6	(87) US2016051950	A61B 5/361
(47) 19.06.2024	23.03.2017	A61B 5/363
(87) US2018032984	(22) 15.09.2016	A61N 1/362
22.11.2018	(54) SYSTEM WITH A GENERATOR	(11) EP3827877
(22) 16.05.2018	FOR GENERATING STIMULATION	(21) EP21151458.3
(54) OCULAR IMPEDANCE-BASED	ACCORDING TO A SELECTED	(47) 19.06.2024
SYSTEM FOR BRAIN HEALTH	VALUE TO INDUCE A STIMULATION	(22) 01.02.2016
MONITORING	SENSATION	(54) SYSTEMS FOR TREATING CARDIAC
(73) The Regents Of The University Of	(73) Medtronic Inc.	ARRHYTHMIAS
Michigan	(72) TORGERSON, Nathan A.	(73) Cardiac Pacemakers, Inc.
(72) ANSARI, Sardar	(31) 201615265480	(72) KOOP, Brendan E.
TIBA, Mohamad Hakam	201562220799 P	(31) 201562113173 P
PATIL, Parag, G.	(32) 14.09.2016	(32) 06.02.2015
WARD, Kevin	18.09.2015	(33) United States of America
BELLE, Ashwin	(33) United States of America	(51) A61N 2/00
(31) 201762506971 P	United States of America	A61N 2/02
(32) 16.05.2017	(51) A61N 1/36	(11) EP3950044
(33) United States of America	A61N 1/40	(21) EP20777525.5
(51) A61N 1/36	G06T 7/00	(47) 19.06.2024
A61N 1/05	G16H 20/40	(87) IB2020052981
A61B 5/369	G16H 30/40	01.10.2020
A61B 5/00	G16H 50/50	(22) 28.03.2020
(11) EP3958735	G16H 30/20	(54) MAGNETIC STIMULATION MACHINE
(21) EP20724356.9	A61B 34/20	(73) Panacea Quantum Leap Technology LLC
(47) 19.06.2024	A61B 90/00	(72) VELASCO VALCKE, Francisco Javier
(87) US2020028795	(11) EP4149612	(31) 19003100
29.10.2020	(21) EP21787050.0	(32) 28.03.2019
(22) 17.04.2020	(47) 19.06.2024	(33) Colombia
(54) PROBABILISTIC ENTROPY FOR	(87) IB2021058876	(51) A61N 5/06
DETECTION OF PERIODIC SIGNAL	07.04.2022	(11) EP3765149
ARTIFACTS	(22) 29.09.2021	(21) EP19713634.4
(73) Medtronic, Inc.	(54) METHODS AND SYSTEMS FOR	(47) 19.06.2024
(72) XIAO, Yizi	TRANSDUCER ARRAY PLACEMENT	(87) US2019021739
PANKEN, Eric J.	AND SKIN SURFACE CONDITION	19.09.2019
PULLIAM, Christopher L.	AVOIDANCE	(22) 12.03.2019
JACKSON, Jadin C.	(73) Novocure GmbH	(54) PHOTOTHERAPY DEVICE INCLUDE
(31) 201916392129	(72) SHAMIR, Reuven Ruby	TWO OR MORE LIGHT PADS AND A
(32) 23.04.2019	BAKALO, Oren Ben Zion	FLEXIBLE GARMENT
(33) United States of America	(31) 202117487276	(73) Lumitex, Inc.
(51) A61N 1/36	202063085905 P	(72) ANDRICH, Brian
A61N 1/05	(32) 28.09.2021	KOTHARI, Vedang
A61H 39/00	30.09.2020	BROER, Peter
A61H 19/00	(33) United States of America	FELTY, David G.
A61H 21/00	United States of America	(31) 201862643191 P
A61H 23/02	(51) A61N 1/362	(32) 15.03.2018
A63B 23/20	A61N 1/375	(33) United States of America
A61N 7/00	A61N 1/378	(51) A61P 3/10
(11) EP3924037	(11) EP4087644	A61K 36/48
(21) EP20711497.6	(21) EP20839488.2	(11) EP2822653
(47) 19.06.2024	(47) 19.06.2024	(21) EP13744800.7
(87) DK2020050039	(87) US2020065088	(47) 19.06.2024
20.08.2020	15.07.2021	(87) IB2013051916
(22) 17.02.2020	(22) 15.12.2020	12.09.2013
(54) SYSTEM FOR ELECTRICAL AND/	(54) TEMPORARY PACEMAKER	(22) 11.03.2013
OR MECHANICAL STIMULATION OF	(73) Cardiac Pacemakers, Inc.	(54) NEW C-GLYCOSYLPOLYPHENOL
NERVES	(72) ENGLISH, James Michael	ANTIDIABETIC AGENTS, EFFECT
(73) InnoCon Medical ApS	NELSON, Bryan Pater	ON GLUCOSE TOLERANCE AND
(72) NIELSEN, Jesper	ALFSON, Geordie T.	INTERACTION WITH BETA-AMYLOID.
KNUDSEN, Dianna Mærsk	WILLIAMS, Thomas Lee	THERAPEUTIC APPLICATIONS OF

THE SYNTHESIZED AGENT(S) AND OF GENISTA TENERA ETHYL ACETATE EXTRACTS CONTAINING SOME OF THOSE AGENTS	(73) Okyo Pharma Limited	(11) EP3524325
(73) Faculdade De Ciências da Universidade de Lisboa	(72) PATIL, Rajkumar V.	(21) EP18200505.8
Instituto Politécnico de Santarém	SHAILUBHAI, Kunwar	(47) 19.06.2024
(72) DIAS MOTA FILIPE, Helder	(31) 201962881623 P	(22) 15.10.2018
GRASES SANTOS SILVA RAUTER, Amélia Pilar	(32) 01.08.2019	(54) COMMERCIAL AVIATION FIRE EXTINGUISHER - STRENGTH INCREASE METHOD FOR IN SERVICE AND OEM FIRE PROTECTION
PATRÍCIO GOULART DE MEDEIROS, Margarida Alexandra	(33) United States of America	(73) Kidde Technologies, Inc.
GUERRA JUSTINO, Jorge Alberto	(51) A61P 29/00	(72) ROGERS, Aaron S.
DOS SANTOS DIAS, Catarina Alexandra	C07K 7/08	SEEBALUCK, Dharmendr Len
AMARO PINTO, Rui Manuel	C07K 14/47	(31) 201715786262
BORGES DE LEMOS MACEDO, Maria Paula	A61K 38/00	(32) 17.10.2017
XAVIER DE JESUS, Ana Rita	A61K 47/54	(33) United States of America
NICOTRA, Francesco	(11) EP4007635	(51) A62C 4/00
TAVARES RIBEIRO, Rogério José	(21) EP20757112.6	(11) EP3482799
JIMENÉZ BARBERO, Jesus	(47) 19.06.2024	(21) EP18211099.9
MENDES MARTINS, Alice Isabel	(87) US2020044045	(47) 19.06.2024
AIROLDI, Cristina	04.02.2021	(22) 03.05.2011
NOGUEIRA SEPODES, Bruno Miguel	(22) 29.07.2020	(54) PRESSURE RELIEF DEVICE FOR ENCLOSED PRESSURE-RESISTANT HOUSING
(31) 12106202	(54) COMPOSITIONS COMPRISING CHEMERIN ANALOGS AND METHODS OF USE	(73) R. STAHL Schaltgeräte GmbH
(32) 09.03.2012	(73) Okyo Pharma Limited	(72) Hermann, Wolf
(33) Portugal	(72) PATIL, Rajkumar V.	Markus, Detlef
(51) A61P 5/28	SHAILUBHAI, Kunwar	Hornig, Julia
A61P 5/44	(31) 201962881725 P	Klausmeyer, Uwe
A61P 43/00	(32) 01.08.2019	Würz, Helmut
A61K 9/14	(33) United States of America	Limbacher, Bernd
A61K 9/20	(51) A61Q 17/04	(31) 102010016782
A61K 31/58	A61K 8/44	(32) 04.05.2010
C07J 43/00	A61K 8/67	(33) Germany
A61K 9/16	A61K 31/197	(51) A62C 5/02
A61P 13/08	A61P 17/10	A62C 5/00
A61P 35/00	A61P 17/06	(11) EP4142894
A61K 31/573	A61Q 19/00	(21) EP21733045.5
(11) EP3578266	A61K 31/593	(47) 19.06.2024
(21) EP19173089.4	A61Q 19/08	(87) AT2021060149
(47) 19.06.2024	(11) EP3725374	04.11.2021
(22) 17.03.2014	(21) EP20176944.5	(22) 28.04.2021
(54) ABIRATERONE ACETATE FORMULATION	(47) 19.06.2024	(54) METHOD AND LIQUID MIXING SYSTEM FOR PROVIDING A LIQUID/ FOAM MIXTURE
(73) Sun Pharmaceutical Industries Limited	(22) 06.02.2018	(73) Rosenbauer International AG
(72) Callahan, Matt	(54) SUNSCREEN COMPOSITION	(72) PLATZER, Lukas
Nemeth, Paul	(73) 3Skin AS	(31) 503672020
Bosch, William, H.	(72) PENG, Qian	(32) 29.04.2020
Norret, Marck	WARLOE, Trond	(33) Austria
(31) 201361883941 P	SOLER, Ana	(51) A62C 35/68
201361789141 P	(31) 20170179	A62C 37/50
(32) 27.09.2013	(32) 06.02.2017	(11) EP3890844
15.03.2013	(33) Norway	(21) EP19828341.8
(33) United States of America	(51) A62B 18/08	(47) 19.06.2024
United States of America	(11) EP3927438	(87) NL2019050807
(51) A61P 29/00	(21) EP20710234.4	11.06.2020
A61K 47/54	(47) 19.06.2024	(22) 04.12.2019
C07K 7/08	(87) FR2020050289	(54) SPRINKLER TEST DEVICE AND METHOD
C07K 14/47	27.08.2020	(73) Unica Fire Safety B.V
A61K 38/00	(22) 17.02.2020	(72) KOOIJMANS, Henk Jan
(11) EP4007636	(54) BREATHING EQUIPMENT FOR AN AIRCRAFT, BREATHING ASSEMBLY AND METHOD FOR STOWING THE BREATHING EQUIPMENT	(31) 2022140
(21) EP20758003.6	(73) SAFRAN AEROTECHNICS	(32) 05.12.2018
(47) 19.06.2024	(72) SIBUET, Jean-Philippe	(33) Netherlands
(87) US2020043980	BESSON, Alexandre	(51) A62C 37/40
04.02.2021	(31) 1901609	A62C 3/16
(22) 29.07.2020	(32) 18.02.2019	A62C 37/36
(54) COMPOSITIONS COMPRISING BOVINE ADRENAL MEDULLA 8-22	(33) France	H01R 13/713
	(51) A62C 3/08	A62C 37/46
	A62C 35/02	

(11) EP3885007	OLSON, Michael L.	(32) 25.09.2012
(21) EP21163609.7	(31) 201361920834 P	28.09.2012
(47) 19.06.2024	(32) 26.12.2013	(33) Japan
(22) 19.03.2021	(33) United States of America	World Intellectual Property Office (WIPO)
(54) FIRE DETECTION AND FIRE FIGHTING APPARATUS FOR ELECTRICAL INSTALLATIONS	(51) A63B 53/00 A63B 53/04 A63B 53/08 A63B 59/00 A63B 60/00	(51) A63F 9/06 A63F 9/24 A63F 13/27 A63F 13/213 A63H 33/22 A63J 19/00
(73) Technische Hochschule Mittelhessen	(11) EP3727614	(11) EP4190417
(72) Goedert, Fabian	(21) EP18891341.2	(21) EP21212518.1
Reiter, Sophia	(47) 19.06.2024	(47) 19.06.2024
(31) 102020119912	(87) US2018067329	(22) 06.12.2021
102020108293	27.06.2019	(54) GAME ROOM SYSTEM
(32) 28.07.2020	(22) 21.12.2018	(73) Gerassimov, Vadim
25.03.2020	(54) GOLF CLUB HEAD WITH VARIABLE FACE THICKNESS	Abels, Artur
(33) Germany	(73) Karsten Manufacturing Corporation	Vohmjanin, Vadim
Germany	(72) STOKKE, Ryan M.	(72) Gerassimov, Vadim
(51) A63B 21/00	BACON, Cory S.	Abels, Artur
D07B 1/02	MORALES, Eric J.	Vohmjanin, Vadim
D07B 5/06	(31) 201862757925 P	(51) A63F 13/323
A63B 23/035	201762610074 P	A63F 13/355
A63B 21/06	(32) 09.11.2018	A63F 13/352
D07B 1/14	22.12.2017	A63F 13/235
(11) EP3938058	(33) United States of America	A63F 13/335
(21) EP20773824.6	United States of America	(11) EP3773953
(47) 19.06.2024	(51) A63B 69/00	(21) EP19714045.2
(87) US2020022366	A63G 31/00	(47) 19.06.2024
24.09.2020	A63B 69/12	(87) US2019022472
(22) 12.03.2020	(11) EP4294539	10.10.2019
(54) WEIGHTED TRIPLE-BRAIDED EXERCISE ROPE	(21) EP22714617.2	(22) 15.03.2019
(73) Hyper Wear, Inc.	(47) 19.06.2024	(54) METHODS, DEVICES, AND SYSTEMS FOR INTERACTIVE CLOUD GAMING
(72) BUIKEMA, Dirk	(87) IB2022053163	(73) Google LLC
PRESCOTT, Amos Neal	03.11.2022	(72) SOMADDER, Gurudas
ZANIS, Stanley	(22) 05.04.2022	PI, Jason
(31) 201962819248 P	(54) HYDROFOIL SIMULATOR STRUCTURE	ENDERS, Thomas
(32) 15.03.2019	(73) Hydrofoil Simulator S.r.l.	RODGERS, Matthew
(33) United States of America	(72) BANDECCHI, Nicola	ZIMRING, Dov
(51) A63B 21/065	(31) 202100010598	(31) 201862651542 P
A63B 23/03	(32) 27.04.2021	(32) 02.04.2018
A63B 21/00	(33) Italy	(33) United States of America
(11) EP3784359	(51) A63C 9/086	(51) A63F 13/58
(21) EP19726757.8	A63C 9/08	A63F 13/46
(47) 19.06.2024	A63C 9/085	A63F 13/35
(87) IB2019053370	A63C 9/22	(11) EP3711830
31.10.2019	(11) EP3639901	(21) EP20160600.1
(22) 24.04.2019	(21) EP19203411.4	(47) 19.06.2024
(54) FACE TOOLS	(47) 19.06.2024	(22) 03.03.2020
(73) Sbalbi, Giada	(22) 15.10.2019	(54) SYSTEM AND METHOD OF CHALLENGE GENERATION
(72) Sbalbi, Giada	(54) SKI BOOT LOCK	(73) Sony Interactive Entertainment Europe Limited
(31) 201800004957	(73) MARKER Deutschland GmbH	(72) MULLIGAN, Paul Terrence
(32) 27.04.2018	(72) Brandl, Christian	SANDERS, Ashley
(33) Italy	Bartl, Robert	JONES, Andrew John Nicholas
(51) A63B 21/22	(31) 102018125546	(31) 201903644
A63B 21/005	(32) 15.10.2018	(32) 18.03.2019
A63B 21/015	(33) Germany	(33) United Kingdom
A63B 23/12	(51) A63F 1/14	(51) A63G 7/00
A63B 71/06	(11) EP4218969	A63G 31/00
A63B 21/00	(21) EP23162845.4	(11) EP3983100
A63B 24/00	(47) 19.06.2024	(21) EP20758330.3
A63B 23/035	(22) 22.08.2013	(47) 19.06.2024
(11) EP3974036	(54) CARD SHOOTER DEVICE AND TABLE GAME SYSTEM	(87) IB2020055434
(21) EP21207299.5	(73) Angel Playing Cards Co., Ltd.	17.12.2020
(47) 19.06.2024	(72) SHIGETA, Yasushi	(22) 10.06.2020
(22) 24.12.2014	(31) 2012227444	
(54) MAGNETIC RESISTANCE MECHANISM IN A CABLE MACHINE	PCT/JP2012/006230	
(73) iFIT Inc.		
(72) DALEBOUT, William T.		

(54) INTERACTIVE AMUSEMENT RIDE	G01N 30/56	(21) EP21205952.1
(73) ROKS HOLDINGS S.P.A.	B01D 15/16	(47) 19.06.2024
(72) MAZZUCCHI, Marco	G01N 30/54	(22) 10.08.2010
(31) 201900008613	(11) EP3572137	(54) SYSTEM FOR A DUCTLESS FUME
(32) 11.06.2019	(21) EP18174040.8	HOOD AND DUCTLESS FUME HOOD
(33) Italy	(47) 19.06.2024	(73) Dobbyn, Gregory J.
(51) A63G 31/00	(22) 24.05.2018	Airclean Systems
A63G 33/00	(54) CONDITIONING OF PACKED	(72) DOBBYN, Gregory J.
A63B 69/22	CHROMATOGRAPHY COLUMNS	(31) 54138409
A63B 69/32	(73) Biotage AB	(32) 14.08.2009
(11) EP4124370	(72) WARNGREN, Anders	(33) United States of America
(21) EP22191812.1	PANAGIOTIS, Ioannidis	(51) B01D 53/047
(47) 19.06.2024	NORDIN, Tobias	B01D 53/26
(22) 14.12.2018	(51) B01D 15/36	(11) EP4149656
(54) INTERACTIVE COMPONENT FOR AN	B01J 41/07	(21) EP21715339.4
AMUSEMENT PARK	B01J 39/05	(47) 19.06.2024
(73) Universal City Studios LLC	B01J 39/07	(87) IB2021052575
(72) COSSAIRT, Travis Jon	B01J 39/18	18.11.2021
YEH, Wei Cheng	B01J 41/12	(22) 29.03.2021
(31) 201815861502	B01J 47/04	(54) DEVICE AND METHOD FOR THE
(32) 03.01.2018	C07C 67/56	ADSORPTION OF A GAS FROM A GAS
(33) United States of America	C07C 69/14	MIXTURE TO BE TREATED
(51) B01D 1/28	(11) EP3397386	(73) ATLAS COPCO AIRPOWER, naamloze
B01D 3/00	(21) EP16882337.5	vennootschap
B01D 5/00	(47) 19.06.2024	(72) VAN DIJCK, Wouter Denis Ann
C12M 1/00	(87) US2016067180	(31) 202005333
B01D 3/38	06.07.2017	(32) 13.05.2020
C07C 29/76	(22) 16.12.2016	(33) Belgium
B01D 3/32	(54) PURIFICATION PROCESS FOR	(51) B01D 53/047
B01D 1/06	HYDROLYSABLE ORGANIC SOLVENT	C01B 3/56
(11) EP3721960	(73) Dow Global Technologies LLC	(11) EP3731951
(21) EP20154021.8	(72) OHBA, Kaoru	(21) EP18894767.5
(47) 19.06.2024	ABE, Shinnosuke	(47) 19.06.2024
(22) 28.01.2020	YAMASHITA, Yusuke	(87) US2018067490
(54) INTEGRATED PROCESS FOR	ISHIBASHI, Ryo	04.07.2019
ETHANOL SEPARATION FROM	IIDA, Masonori	(22) 26.12.2018
FERMENTED BROTH FOR LOW	TAKANO, Kenji	(54) METHOD FOR USING NATURAL GAS
TEMPERATURE APPLICATIONS	MASUDO, Takashi	FUEL TO IMPROVE PERFORMANCE
(73) INDIAN OIL CORPORATION Ltd.	KISHIZAKI, Osamu	OF PRESSURE SWING ADSORPTION
(72) BAJAJ, Gaurav	(31) 2015256088	HYDROGEN UNIT IN AN INTEGRATED
SHARMA, Mukesh Kumar	(32) 28.12.2015	FACILITY
SHARMA, Alok	(33) Japan	(73) UOP LLC
(31) 201921014261	(51) B01D 24/12	(72) RUSSELL, Bradley P.
(32) 09.04.2019	B01D 27/02	(31) 201762610795 P
(33) India	B01D 35/26	(32) 27.12.2017
(51) B01D 15/14	C02F 1/00	(33) United States of America
B01D 15/18	B65D 51/28	(51) B01D 53/06
G01N 30/46	(11) EP3603766	B01D 53/26
(11) EP3277397	(21) EP17901471.7	(11) EP3938080
(21) EP16711307.5	(47) 19.06.2024	(21) EP20709316.2
(47) 19.06.2024	(87) RU2017000899	(47) 19.06.2024
(87) EP2016056407	27.09.2018	(87) IB2020050431
06.10.2016	(22) 05.12.2017	17.09.2020
(22) 23.03.2016	(54) LIQUID PURIFICATION DEVICE	(22) 21.01.2020
(54) VIRUS INACTIVATION DEVICE FOR A	(73) Electrophor, Inc.	(54) COMPRESSOR INSTALLATION
LIQUID CHROMATOGRAPHY SYSTEM	(72) CHERNYI, Alexander Alexandrovich	AND METHOD FOR SUPPLYING
AND CORRESPONDING METHOD	KUZMIN, Alexey Leonidovich	COMPRESSED GAS
(73) Cytiva Sweden AB	SHMIDT, Joseph L.	(73) ATLAS COPCO AIRPOWER, naamloze
(72) LJUNGLOF, Anders	(31) 2017109342	vennootschap
OLOVSSON, Bjorn, Markus	(32) 20.03.2017	(72) VAN NEDERKASSEL, Frederik
LACKI, Karol, Maciej	(33) Russian Federation	BROUCKE, Stijn Johan E.
(31) 201510539	(51) B01D 53/04	(31) 201905151
201505519	B08B 15/02	(32) 12.03.2019
(32) 16.06.2015	F24F 8/15	(33) Belgium
31.03.2015	G01N 33/00	(51) B01D 53/14
(33) United Kingdom	F24F 11/39	(11) EP3903909
United Kingdom	G01N 27/66	(21) EP21173494.2
(51) B01D 15/20	(11) EP3978152	(47) 19.06.2024

(22) 20.08.2015	(33) Japan	H01M 4/48
(54) REMOVAL OF HYDROGEN SULPHIDE AND CARBON DIOXIDE FROM A FLUID FLOW	(51) B01D 61/00	H01M 10/0563
(73) BASF SE	A01C 23/04	H01M 10/38
(72) VORBERG, Gerald	B01D 61/02	H01M 4/24
INGRAM, Thomas	B01D 61/08	H01M 4/38
SIEDER, Georg	B01D 65/02	H01M 4/66
NOTZ, Ralf	B01D 67/00	H01M 10/26
(31) 14182101	B01D 69/10	(11) EP3921068
(32) 25.08.2014	B01D 69/12	(21) EP20752132.9
(33) European Patent Office (EPO)	B01D 69/14	(47) 19.06.2024
(51) B01D 53/18	B01D 71/56	(87) IN2020050109
B01D 45/04	C02F 1/44	13.08.2020
B01D 50/40	C02F 101/10	(22) 04.02.2020
B01D 45/12	C02F 101/16	(54) A METAL ION BATTERY HAVING IONOMER MEMBRANE SEPARATOR AND FREE-STANDING ELECTRODE
B01D 47/02	A61M 1/16	(73) Council Of Scientific & Industrial Research
(11) EP4051412	(11) EP3524338	(72) KURUNGOT, Sreekumar
(21) EP20820474.3	(21) EP19158344.2	VIJAYAKUMAR, Vidyanand
(47) 19.06.2024	(47) 19.06.2024	GHOSH, Meena
(87) FR2020000255	(22) 24.02.2014	(31) 201911004481
06.05.2021	(54) PROCESS OF WATER EXTRACTION	(32) 05.02.2019
(22) 01.11.2020	(73) Aquaporin A/S	(33) India
(54) DEVICE FOR FILTERING POLLUTED GAS BY ABSORPTION	(72) VOGEL, Jörg	(51) B01F 23/231
(73) NANOTEC FILTER, SASU	MENTZEL, Søren	(11) EP3843887
(72) WEBER, Jean-Charles	BRAEKEVELT, Sylvie	(21) EP19769026.6
(31) 1912317	LARSEN, Marianne Eleonora Spanget	(47) 19.06.2024
(32) 03.11.2019	PERRY, Mark Edward	(87) EP2019072803
(33) France	GESCHKE, Oliver	05.03.2020
(51) B01D 53/26	(31) PA201300107	(22) 27.08.2019
(11) EP4137222	(32) 25.02.2013	(54) APPARATUS FOR GASSING LIQUIDS HAVING AT LEAST ONE LINEAR GASSING UNIT
(21) EP22188706.0	(33) Denmark	(73) Stachowske, Martin
(47) 19.06.2024	(51) B01D 61/02	(72) Stachowske, Martin
(22) 04.08.2022	B01D 61/14	(31) 102018120819
(54) DEHUMIDIFIER AND DEHUMIDIFICATION SYSTEM	B01D 63/06	(32) 27.08.2018
(73) Honeywell Sensing and Control (China) Co., Ltd.	C02F 1/44	(33) Germany
(72) XU, Yuhui	(11) EP3894050	(51) B01F 23/231
TAN, Xiufeng	(21) EP18942875.8	B01F 101/00
HE, Xiangcai	(47) 19.06.2024	(11) EP4205839
HUANG, Chuang	(87) FI2018050930	(21) EP22215503.8
(31) 202110948908	18.06.2020	(47) 19.06.2024
(32) 18.08.2021	(22) 14.12.2018	(22) 21.12.2022
(33) China	(54) ARRANGEMENT IN CROSS-FLOW MEMBRANE SEPARATION UNIT	(54) DEVICE FOR GASSING LIQUIDS
(51) B01D 53/94	(73) EMP-Innovations OY	(73) Stachowske, Martin
F01N 3/10	(72) MUSTALAHTI, Jorma	(72) Stachowske, Martin
B01J 23/63	AULANKO, Esko	(31) 102021134304
B01J 23/10	(51) B01D 69/10	(32) 22.12.2021
F01N 3/28	D04H 1/558	(33) Germany
(11) EP4066922	(11) EP3909668	(51) B01F 27/07
(21) EP20894696.2	(21) EP20737958.7	B01F 27/072
(47) 19.06.2024	(47) 19.06.2024	(11) EP4190435
(87) JP2020044288	(87) JP2020000065	(21) EP22210088.5
03.06.2021	16.07.2020	(47) 19.06.2024
(22) 27.11.2020	(22) 06.01.2020	(22) 29.11.2022
(54) CATALYST COMPOSITION FOR EXHAUST GAS PURIFICATION USE, AND CATALYST FOR EXHAUST GAS PURIFICATION USE	(54) SEMI-PERMEABLE MEMBRANE SUPPORT AND METHOD FOR PRODUCING SEMI-PERMEABLE MEMBRANE SUPPORT	(54) A MIXER FOR BIOGAS FERMENTERS, AND METHOD FOR THE ASSEMBLY THEREOF
(73) Mitsui Mining & Smelting Co., Ltd.	(73) Mitsubishi Paper Mills Limited	(73) Biogas Engineering S.r.l.
(72) HOSOI, Yusuke	(72) MASUDA, Takao	(72) ZOIA, Luciano
TAKEUCHI, Ryo	Ochiai, Takahito	(31) 202100030446
SANO, Shogo	SHIMIZU, Yusuke	(32) 01.12.2021
IWAKURA, Hironori	(31) 2019001609	(33) Italy
(31) 2019215452	(32) 09.01.2019	(51) B01J 21/04
(32) 28.11.2019	(33) Japan	B01J 37/26
	(51) B01D 71/82	C07D 301/10
	H01M 8/18	
	H01M 4/42	

B01J 23/66	C07C 29/154	(31) 2003160
B01J 35/60	(11) EP4221888	(32) 31.03.2020
C04B 35/10	(21) EP21772819.5	(33) France
B01J 23/68	(47) 19.06.2024	(51) B02C 4/02
B01J 27/055	(87) GB2021052284	B02C 18/18
(11) EP3677334	07.04.2022	B02C 18/16
(21) EP20158314.3	(22) 06.09.2021	B02C 18/14
(47) 19.06.2024	(54) METHOD FOR MAKING COPPER- CONTAINING CATALYSTS	B02C 4/08
(22) 20.07.2007	(73) Johnson Matthey Public Limited Company	B02C 4/10
(54) ALPHA-ALUMINA CARRIER FOR EPOXIDATION CATALYST AND EPOXIDATION METHOD	(72) MACLEOD, Norman	B02C 13/20
(73) Dow Global Technologies Llc	NICHOLSON, Michael Thomas	B02C 13/31
(72) HOWARD, Kevin, E.	ROLOFF-STANDRING, Simone	(11) EP2999541
LEBARON, Peter, C.	UN DIN, Kaamila	(21) EP14801533.2
LAKSO, Steven, R.	CUI, Youxin	(47) 19.06.2024
SERAFIN, Juliana, G.	GARCIA, Monica	(87) FI2014050387
BHASIN, Madan, M.	GLEN, Pauline Elizabeth	27.11.2014
WALLIN, Sten	(31) 202015635	(22) 21.05.2014
(31) 855898 P	(32) 02.10.2020	(54) CRUSHER
(32) 01.11.2006	(33) United Kingdom	(73) BMH Technology Oy
(33) United States of America	(51) B01J 23/00	(72) NURMI, Jarkko
(51) B01J 21/06	B01J 23/89	(31) 20134123
B01J 23/00	B01J 35/00	(32) 22.05.2013
B01J 23/10	B01J 37/03	(33) Finland
B01J 23/42	B01J 37/08	(51) B03C 1/26
B01J 23/44	(11) EP3848118	B03C 1/28
B01J 23/63	(21) EP20211805.5	(11) EP3892379
B01J 29/70	(47) 19.06.2024	(21) EP21151989.7
B01J 35/00	(22) 04.12.2020	(47) 19.06.2024
B01J 37/02	(54) OXYGEN STORAGE MATERIAL	(22) 18.01.2021
B01J 37/03	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(54) TRAMP METAL SEPARATION ASSEMBLY
(11) EP3815780	(72) YOKOYA, Takuro	(73) Tai Han Equipment Enterprise Co., Ltd.
(21) EP19206122.4	(31) 2020001461	(72) WEY, Shyh-Yi
(47) 19.06.2024	(32) 08.01.2020	LIN, Ken-Der
(22) 30.10.2019	(33) Japan	CHANG, Wen-Cheng
(54) DIESEL OXIDATION CATALYST	(51) B01J 29/72	LI, Bao-Ding
(73) Umicore AG & Co. KG	B01J 23/78	(31) 109111850
(72) MUELLER, Elena	B01J 37/03	(32) 08.04.2020
HAUPTMANN, Wulf	B01J 37/30	(33) Taiwan, Chinese Taipei
KEITL, Gordon	B01D 53/00	(51) B03C 3/41
(51) B01J 21/08	(11) EP2836301	B03C 3/12
B01J 23/80	(21) EP13718959.3	B03C 3/08
B01J 37/03	(47) 19.06.2024	B03C 3/47
C07C 29/154	(87) US2013036069	(11) EP3909685
(11) EP4221887	17.10.2013	(21) EP21154185.9
(21) EP21770294.3	(22) 11.04.2013	(47) 19.06.2024
(47) 19.06.2024	(54) ZEOLITE CATALYST CONTAINING METALS	(22) 29.01.2021
(87) GB2021052285	(73) Johnson Matthey Public Limited Company	(54) AIR PURIFYING DEVICE, ARRANGEMENT AND METHOD FOR SEPARATING MATERIALS FROM A GAS FLOW
07.04.2022	(72) FEDEYKO, Joseph Michael	(73) Genano Oy
(22) 06.09.2021	CHEN, Hai-Ying	(72) MAKKONEN, Pasi
(54) METHOD FOR MAKING COPPER- CONTAINING CATALYSTS	(31) 201261622553 P	SKOGSTER, Niklas
(73) Johnson Matthey Public Limited Company	(32) 11.04.2012	TULKKI, Juhani
(72) ROLOFF-STANDRING, Simone	(33) United States of America	(31) 20205494
GLEN, Pauline Elizabeth	(51) B01L 3/02	(32) 15.05.2020
CUI, Youxin	(11) EP4126367	(33) Finland
GARCIA, Monica	(21) EP21732374.0	(51) B04B 7/00
MACLEOD, Norman	(47) 19.06.2024	B04B 7/02
UN DIN, Kaamila	(87) FR2021050517	B04B 11/02
NICHOLSON, Michael Thomas	07.10.2021	B04B 15/08
(31) 202015634	(22) 25.03.2021	B29B 17/02
(32) 02.10.2020	(54) MULTI-CHANNEL PIPETTING SYSTEM OF IMPROVED DESIGN	C08J 11/08
(33) United Kingdom	(73) GILSON SAS	B04B 7/06
(51) B01J 21/08	(72) DUDEK, Bruno	(11) EP3558542
B01J 23/80	GUICHARDON, Stéphane	(21) EP17842416.4
B01J 37/03		(47) 19.06.2024

(87) EP2017001439 28.06.2018	B05B 1/30 B05B 1/08	(51) B09C 1/06 B09C 1/10
(22) 21.12.2017	F16K 31/06	C02F 3/34
(54) GAS-TIGHT CENTRIFUGE FOR SEPARATING SOLIDS FROM A POLYMER SOLUTION, AND METHOD FOR SEPARATING SOLIDS FROM A POLYMER SOLUTION	F16K 31/12 (11) EP3902635 (21) EP19835664.4 (47) 19.06.2024 (87) EP2019086921 02.07.2020	C12N 1/20 C12R 1/01 C02F 101/32 C02F 103/06 (11) EP3956081 (21) EP20791637.0 (47) 19.06.2024 (87) US2020028642 22.10.2020 (22) 17.04.2020 (54) METHOD FOR BIOREMEDIATION OF SOIL (73) The Trustees of Columbia University in the City of New York
(73) APK AG	(22) 23.12.2019	(72) SAMBROTTO, Raymond
(72) FLEIG, Michael KAINA, Mike JESCHKE, Janine WOHNIG, Klaus	(54) JET DOSING VALVE (73) Perfecdos GBR (72) FRIEDL, Peter	(31) 201962835148 P (32) 17.04.2019 (33) United States of America
(31) 102016015197	(31) 102018133606	(51) B21B 13/00
(32) 21.12.2016	(32) 27.12.2018	B21B 31/08 B21B 31/10
(33) Germany	(33) Germany	(11) EP4114587 (21) EP21714477.3 (47) 19.06.2024 (87) US2021020393 10.09.2021 (22) 02.03.2021 (54) MECHANICAL HIGH SPEED ROLL CHANGE SYSTEM FOR USE WITH ROBOTIC ROLL CHANGE SYSTEM (73) Primetals Technologies USA LLC (72) PALFREMAN, Matthew SHEN, William (31) 202016808763 (32) 04.03.2020 (33) United States of America
(51) B04B 7/02 B04B 5/04	(51) B06B 1/18 B25D 9/16 F15B 15/14	(51) B21B 37/00 B21B 31/02 B21B 38/08 B21C 51/00
(11) EP4344789	(11) EP4208299	(11) EP3797889 (21) EP19804505.6 (47) 19.06.2024 (87) JP2019019809 21.11.2019 (22) 17.05.2019 (54) ROLLING MILL AND SETTING METHOD FOR ROLLING MILL (73) NIPPON STEEL CORPORATION (72) NIKKUNI, Daisuke KASAI, Daisuke ISHII, Atsushi (31) 2018096364 (32) 18.05.2018 (33) Japan
(21) EP23171528.5	(21) EP21810944.5	(51) B21B 39/14
(47) 19.06.2024	(47) 19.06.2024	(11) EP3941653 (21) EP20710532.1 (47) 19.06.2024 (87) EP2020057118 24.09.2020 (22) 16.03.2020 (54) DEVICE FOR LATERALLY GUIDING A METAL STRIP (73) Primetals Technologies Austria GmbH
(22) 04.05.2023	(47) 19.06.2024	
(54) CENTRIFUGE WITH SAFETY SHUTTER	(87) EP2021081080 12.05.2022	
(73) Stratec SE	(22) 09.11.2021	
(72) Sturm, Fabian Schlor, Sebastian	(54) IMPACT CYLINDER (73) Rosink-Werkstätten GmbH (72) KRÜHSEL, Michael	
(31) 103024	(31) 102020129424	
(32) 27.09.2022	(32) 09.11.2020	
(33) Luxembourg	(33) Germany	
(51) B05B 7/06 B05B 7/08 B05B 7/24	(51) B08B 15/00 B08B 15/04 B23K 26/10 B23K 26/12 B23K 26/142 B23K 26/36 B23K 26/16	
(11) EP3610950	(11) EP4171862	
(21) EP19183380.5	(21) EP21790775.7	
(47) 19.06.2024	(47) 19.06.2024	
(22) 28.06.2019	(87) AT2021060183 06.01.2022	
(54) NOZZLE FOR A SPRAY GUN, NOZZLE SET FOR A SPRAY GUN, SPRAY GUNS AND METHOD FOR PRODUCING A NOZZLE FOR A SPRAY GUN	(11) EP4171862 (21) EP21790775.7 (47) 19.06.2024 (87) AT2021060183 06.01.2022	
(73) SATA GmbH & Co. KG	(22) 27.05.2021	
(72) Volk, Eva Pantle, Michael Gehret, Stefan Maier, Norbert Wolter, Dietrich	(54) LASER PLOTTER (73) Trotec Laser GmbH (72) WÖGERBAUER, Ronald	
(31) 102018118737	(31) 505442020	
(32) 01.08.2018	(32) 29.06.2020	
(33) Germany	(33) Austria	
(51) B05C 3/08 B04B 3/00 B08B 3/04 B65G 49/02 B05B 13/02 C25D 17/16	(51) B09B 3/00 G21F 5/005 G21F 9/16 G21F 9/36 B65D 81/20	
(11) EP3950143	(11) EP3541540	
(21) EP20189931.7	(21) EP17872169.2	
(47) 19.06.2024	(47) 19.06.2024	
(22) 06.08.2020	(87) IB2017001558 24.05.2018	
(54) SYSTEM FOR TREATING MASS- PRODUCED PARTS	(22) 17.11.2017	
(73) WMV Apparatebau GmbH	(54) CONTROLLED HIP CONTAINER COLLAPSE FOR WASTE TREATMENT	
(72) BECKMANN, Gregor MÜLLER, Martin JONGEN, Hubert	(73) Moricca, Salvatore (72) Moricca, Salvatore (31) 201662424042 P (32) 18.11.2016 (33) United States of America	
(51) B05C 5/02 B05C 11/10		

(72) MOSER, Friedrich GRABNER, Walter	(33) Austria	B33Y 80/00
(31) 19164296	(51) B21D 37/16	C04B 35/76
(32) 21.03.2019	B21D 45/02	B22F 10/60
(33) European Patent Office (EPO)	B21D 53/04	B22F 10/64
(51) B21C 37/15	(11) EP4209289	B28B 23/02
B23K 20/00	(21) EP22150775.9	B22F 5/00
B23K 20/227	(47) 19.06.2024	B22F 5/12
B23K 20/24	(22) 10.01.2022	B22F 10/28
B23K 31/02	(54) METHOD AND HOT FORMING TOOL	B22F 10/80
F27B 9/40	FOR MANUFACTURING A HEAT	(11) EP3570995
B23K 101/06	EXCHANGER PLATE	(21) EP18704477.1
B23K 103/22	(73) Benteler Automobiltechnik GmbH	(47) 19.06.2024
(11) EP3894102	(72) FORTMEIER, Günter	(87) EP2018052476
(21) EP18943040.8	DÜPMEIER, Tobias	30.08.2018
(47) 19.06.2024	(51) B22C 7/02	(22) 01.02.2018
(87) TR2018050783	B22C 9/04	(54) COMPOSITE MATERIAL FOR TURBO
18.06.2020	B22D 18/06	MACHINE APPLICATIONS AND
(22) 10.12.2018	B22D 25/00	CORRESPONDING METHOD
(54) HEATING SYSTEM FOR PRODUCTION	B22D 25/02	(73) Siemens Energy Global GmbH & Co. KG
OF A DOUBLE-LAYER TUBE	B33Y 10/00	(72) LEBED, Yaroslav
(73) Net Boru Sanayi Ve Dis Ticaret Kollektif	B33Y 80/00	(31) 17157621
Sirketi Bora Saman Ve Ortagi	(11) EP4052817	(32) 23.02.2017
(72) SAMAN, Bora	(21) EP20881782.5	(33) European Patent Office (EPO)
(51) B21D 5/02	(47) 19.06.2024	(51) B22F 10/00
B21D 37/04	(87) CN2020000022	B29C 64/153
B21D 5/00	06.05.2021	B22F 12/00
(11) EP4074431	(22) 16.01.2020	B29C 64/165
(21) EP20900560.2	(54) HIGH MELTING POINT KELVIN	B33Y 30/00
(47) 19.06.2024	STRUCTURE LATTICE METAL,	B33Y 40/00
(87) JP2020044624	PREPARATION METHOD AND	B29C 64/291
17.06.2021	APPLICATION THEREOF	B29C 64/295
(22) 01.12.2020	(73) Shenyang Research Institute of Foundry	(11) EP4072753
(54) METHOD FOR PLACING SPLIT MOLD	Co., Ltd.	(21) EP20845603.8
AND PRESS BRAKE	(72) YU, Bo	(47) 19.06.2024
(73) Amada Co., Ltd.	MIAO, Zhiquan	(87) GB2020053179
(72) ONAGI, Yousuke	SHUI, Guoyan	17.06.2021
NISHIHATA, Yuto	WEI, Yanpeng	(22) 11.12.2020
(31) 2019223622	CHENG, Jingchang	(54) INFRARED LAMP CARRIAGE FOR
(32) 11.12.2019	GAO, Peng	APPARATUS FOR THE LAYER-BY-
(33) Japan	SHI, Jian	LAYER FORMATION OF THREE-
(51) B21D 5/04	LOU, Yanchun	DIMENSIONAL OBJECTS
B21D 5/16	YANG, Quanzhan	(73) Stratasys Powder Production Ltd
B21D 19/08	(31) 201911034471	(72) GARRIDO BARRABES, Marcel
(11) EP3706930	(32) 29.10.2019	DORINI, Gianluca
(21) EP17930740.0	(33) China	HARTMANN, Anders
(47) 19.06.2024	(51) B22D 41/24	KONGENSBJERG LARSEN, Steffen
(87) US2017060133	B22D 41/34	(31) 201918434
09.05.2019	B22D 41/38	201918435
(22) 06.11.2017	(11) EP3846954	(32) 13.12.2019
(54) BENDING MACHINE	(21) EP19741978.1	13.12.2019
(73) Hershberger, Nelson Dwayne	(47) 19.06.2024	(33) United Kingdom
(72) Hershberger, Nelson Dwayne	(87) EP2019067909	United Kingdom
(51) B21D 5/08	12.03.2020	(51) B23B 5/16
(11) EP3866993	(22) 03.07.2019	B26D 3/16
(21) EP19816497.2	(54) METHOD FOR SERVICING A SLIDE	B26D 3/28
(47) 19.06.2024	CLOSURE AT THE SPOUT OF A	B23D 21/04
(87) AT2019060347	METALLURGICAL VESSEL, AND A	B26D 1/36
23.04.2020	SLIDE CLOSURE	(11) EP3470186
(22) 18.10.2019	(73) Refractory Intellectual Property GmbH &	(21) EP17195949.7
(54) PROFILING STATION, PROFILING	Co. KG	(47) 19.06.2024
UNIT FORMED THEREFROM AND	(72) COUSIN, Jean-Daniel	(22) 11.10.2017
PROFILING SYSTEM	HEINRICH, Beat	(54) METHOD AND DEVICE FOR
(73) ASMAG-Holding GmbH	LOEDEMANN, Robert Hein	STRIPPING PRE-INSULATED PIPES
(72) IMBERGE, Manfred	(31) 10512018	(73) Georg Fischer Rohrleitungssysteme AG
VIELHABER, Johann	(32) 04.09.2018	(72) Breyer, Markus
(31) 509092018	(33) Switzerland	(51) B23B 27/14
(32) 19.10.2018	(51) B22F 3/00	(11) EP3856439
	B28B 1/00	(21) EP19779196.5

(47) 19.06.2024	(51) B23K 1/00	(54) PROTECTIVE GAS MOUTHPIECE, JOINING DEVICE AND JOINING METHOD
(87) IL2019050971	F25B 41/40	(73) Newfrey LLC
02.04.2020	F16L 13/08	(72) Nab, Nicolas
(22) 29.08.2019	B23K 1/19	Ivo, Hubert
(54) TURNING INSERT HAVING PENINSULAE AND ISLAND PROTRUSIONS, AND TURNING TOOL	F25B 13/00	<hr/>
(73) Iscar Ltd.	F25B 41/24	(51) B23K 26/00
(72) HEN, Daniel	B23K 101/10	B23K 26/402
DAKWAR, Amjad	B23K 103/18	H01L 21/78
(31) 201862737329 P	B23K 103/22	B28D 5/00
(32) 27.09.2018	B23K 31/02	B23K 26/40
(33) United States of America	B23K 33/00	B23K 26/53
<hr/>	(11) EP4098389	B23K 103/00
(51) B23B 27/14	(21) EP20916933.3	(11) EP3395489
B23B 27/20	(47) 19.06.2024	(21) EP18175761.8
B23B 51/00	(87) JP2020046451	(47) 19.06.2024
B23C 5/16	05.08.2021	(22) 27.11.2015
C04B 35/5831	(22) 14.12.2020	(54) SOLID BODY DIVISION BY CONVERSION OF SUBSTANCES
(11) EP3616812	(54) REFRIGERANT PIPE	(73) Siltecta GmbH
(21) EP17890834.9	(73) Fuso Industries Ltd.	(72) RICHTER, Jan
(47) 19.06.2024	Daikin Industries, Ltd.	BEYER, Christian
(87) JP2017044829	(72) HAMADATE, Junichi	RIESKE, Ralf
01.11.2018	JINDOU, Masanori	(31) 102015000449
(22) 14.12.2017	YE, Hao	102014018841
(54) CUTTING TOOL AND METHOD FOR MANUFACTURING SAME	(31) 2020010799	102014018720
(73) Sumitomo Electric Hardmetal Corp.	(32) 27.01.2020	102014017582
Sumitomo Electric Industries, Ltd.	(33) Japan	102014017583
(72) OKAMURA, Katsumi	<hr/>	(32) 15.01.2015
KUKINO, Satoru	(51) B23K 9/02	17.12.2014
SETOYAMA, Makoto	B23K 9/12	17.12.2014
(31) 2017085897	B23K 26/24	27.11.2014
(32) 25.04.2017	G05B 19/401	27.11.2014
(33) Japan	(11) EP4135924	(33) Germany
<hr/>	(21) EP21843926.3	Germany
(51) B23C 5/10	(47) 19.06.2024	Germany
B23C 5/28	(87) EP2021086920	Germany
(11) EP4230332	30.06.2022	Germany
(21) EP23172355.2	(22) 21.12.2021	Germany
(47) 19.06.2024	(54) METHOD AND DEVICE FOR ASSESSING THE QUALITY OF A PROCESSING PROCESS	<hr/>
(22) 16.04.2020	(73) FRONIUS INTERNATIONAL GmbH	(51) B23K 26/03
(54) CUTTING TOOL WITH INTEGRATED LUBRICATION	(72) ENNSBRUNNER, Helmut	B23K 26/38
(73) DIXI Polytool SA	(31) 20216264	B23K 31/12
(72) CHAILLET, Eric	(32) 22.12.2020	(11) EP3838471
(31) 5832019	(33) European Patent Office (EPO)	(21) EP20214971.2
5842019	<hr/>	(47) 19.06.2024
(32) 02.05.2019	(51) B23K 9/10	(22) 17.12.2020
02.05.2019	B23K 9/095	(54) LASER TREATMENT METHOD
(33) Switzerland	B23K 9/073	(73) Adige S.p.A.
Switzerland	(11) EP3865241	(72) SBETTI, Maurizio
<hr/>	(21) EP21152682.7	TANELLI, Mara
(51) B23D 49/16	(47) 19.06.2024	SAVARESI, Sergio Matteo
B23D 51/16	(22) 21.01.2021	PREVITALI, Barbara
B25F 5/00	(54) SYSTEMS AND METHODS TO CONTROL WELDING PROCESSES USING A VOLTAGE-CONTROLLED CONTROL LOOP	STRADA, Silvia
(11) EP3400109	(73) Illinois Tool Works INC.	PACHER, Matteo
(21) EP17736214.2	(72) DAVIDSON, Robert R.	(31) 201900025093
(47) 19.06.2024	DURIK, Justin	(32) 20.12.2019
(87) US2017012093	(31) 202016776649	(33) Italy
13.07.2017	(32) 30.01.2020	<hr/>
(22) 04.01.2017	(33) United States of America	(51) B23K 26/08
(54) VIBRATION REDUCTION SYSTEM AND METHOD FOR POWER TOOLS	(51) B23K 9/20	B21B 15/00
(73) Milwaukee Electric Tool Corporation	B23K 9/32	B23K 26/242
(72) SCHNEIDER, Jacob, P.	(11) EP4147815	B23K 26/28
DEY, John, S.	(21) EP21196286.5	B23K 26/38
MERGENER, Matthew, J.	(47) 19.06.2024	B23K 26/60
(31) 201662275107 P	(22) 13.09.2021	B21B 39/08
(32) 05.01.2016		B23K 101/16
(33) United States of America		(11) EP4175784
<hr/>		(21) EP21739310.7
		(47) 19.06.2024
		(87) EP2021068051

13.01.2022	(54) WELD STRUCTURE OF METAL	(47) 19.06.2024
(22) 30.06.2021	MEMBER AND WELDING PROCESS	(87) EP2021068422
(54) PROCESSING METHOD OF AND	(73) Panasonic Intellectual Property	13.01.2022
ARRANGEMENT FOR WELDING OF	Management Co., Ltd.	(22) 02.07.2021
METAL STRIPS	(72) TANAKA, Tomomi	(54) CONVERTIBLE GRIPPING DEVICE
(73) Primetals Technologies Germany GmbH	ASHIDA, Takayuki	(73) Reishauer AG
(72) HOFBAUER, Josef	SHIOGA, Daisuke	(72) CASALTA, Patrick
(31) 20184277	KUMAZAWA, Seiji	(31) 8442020
(32) 06.07.2020	(31) 2015181451	(32) 08.07.2020
(33) European Patent Office (EPO)	(32) 15.09.2015	(33) Switzerland
(51) B23K 26/12	(33) Japan	(51) B24B 5/36
B23K 26/142	(51) B23K 26/22	B29D 30/54
B23K 26/14	B23K 26/24	(11) EP3998136
(11) EP4225528	H02K 15/00	(21) EP22150158.8
(21) EP21815892.1	B23K 26/32	(47) 19.06.2024
(47) 19.06.2024	B23K 26/06	(22) 18.11.2016
(87) AT2021060322	B23K 26/082	(54) METHOD AND APPARATUS FOR TIRE
14.04.2022	B23K 26/26	BUFFING AND SKIVING
(22) 13.09.2021	B23K 101/38	(73) Bridgestone Bandag, LLC
(54) PROTECTIVE HOUSING FOR A	B23K 103/12	(72) KENDALL, James
LASER DEVICE AND LASER DEVICE	(11) EP4196316	LINDSAY, John
THEREFOR	(21) EP21758661.9	GRAY, Jeremy
(73) Trotec Laser GmbH	(47) 19.06.2024	(31) 201562257294 P
(72) SMIGANOVSKI, Stanislav	(87) EP2021072180	(32) 19.11.2015
PICHLER, Harald	17.02.2022	(33) United States of America
MOOSMANN, Jonas	(22) 09.08.2021	(51) B24B 31/14
(31) 508502020	(54) LASER WELDING OF METAL PIN	(11) EP3829814
(32) 05.10.2020	PAIRS WITH TIME-DEPENDENT SCAN	(21) EP19780147.5
(33) Austria	PATTERN AND ENERGY INPUT	(47) 19.06.2024
(51) B23K 26/20	(73) Corelase OY	(87) EP2019000264
B33Y 30/00	(72) FORSTER, Oliver	19.03.2020
B23K 26/06	NAGEL, Falk	(22) 11.09.2019
B23K 26/0622	SCHULZ, Stefan	(54) SLIDE-GRINDING BODY
B23K 26/26	KALLAGE, Peter	(73) Rösler Holding GmbH
B23K 26/364	KRAUS, Oliver	(72) GRUBER, Franz
(11) EP3563965	(31) 202016994439	(31) 102018007188
(21) EP17887563.9	(32) 14.08.2020	(32) 11.09.2018
(47) 19.06.2024	(33) United States of America	(33) Germany
(87) CN2017073492	(51) B23K 35/30	(51) B25B 7/12
05.07.2018	B23K 1/00	(11) EP3691832
(22) 14.02.2017	B23K 1/19	(21) EP18758659.9
(54) METHOD AND DEVICE FOR	C22C 5/06	(47) 19.06.2024
MANUFACTURING ALL-LASER	C22C 5/08	(87) GB2018051962
COMPOSITE ADDITIVE	C22C 30/06	17.01.2019
(73) Ningbo Institute of Materials Technology	C22C 30/02	(22) 10.07.2018
& Engineering, Chinese Academy of	C22C 30/04	(54) LOCKING PARALLEL PLIERS
Sciences	(11) EP3785845	(73) Buchanan, Nigel
(72) ZHANG, Wenwu	(21) EP18916750.5	(72) Buchanan, Nigel
JIAO, Junke	(47) 19.06.2024	(31) 201717861
(31) 201611256853	(87) JP2018039405	201711100
(32) 30.12.2016	31.10.2019	(32) 30.10.2017
(33) China	(22) 24.10.2018	10.07.2017
(51) B23K 26/21	(54) SILVER BRAZING MATERIAL AND	(33) United Kingdom
B23K 26/00	JOINING METHOD USING THE SILVER	United Kingdom
B23K 26/08	BRAZING MATERIAL	(51) B25C 1/04
B23K 26/323	(73) Tanaka Kikinzoku Kogyo K.K.	B25C 1/00
B32B 15/01	Tokyo Braze Co., Ltd.	(11) EP3932619
B23K 26/244	(72) TERUI, Takashi	(21) EP21182526.0
B23K 103/10	KISHIMOTO, Takaomi	(47) 19.06.2024
B23K 103/12	TAKAHASHI, Masahiro	(22) 29.06.2021
B23K 103/18	MATSU, Kotaro	(54) PNEUMATIC TOOL
(11) EP3351339	(31) 2018082005	(73) Max Co., Ltd.
(21) EP16845925.3	(32) 23.04.2018	(72) TANAKA, Hiroshi
(47) 19.06.2024	(33) Japan	MORIWAKI, Kousuke
(87) JP2016004093	(51) B23Q 7/04	MOCHIZUKI, Kazuya
23.03.2017	B25J 15/02	(31) 2020113613
(22) 08.09.2016	(11) EP4178758	(32) 30.06.2020
	(21) EP21740020.9	

(33) Japan	(22) 15.10.2019	23.01.2019
(51) B25F 5/00 A01G 3/037 B26B 15/00	(54) ELECTRIC TOOL WITH A SWITCHING DEVICE (73) Hilti Aktiengesellschaft (72) Taack-Trakranen, John Van	(33) Japan Japan
(11) EP4137274	(73) Hilti Aktiengesellschaft	(51) B25J 15/02
(21) EP22189633.5	(72) Taack-Trakranen, John Van	B25J 15/06
(47) 19.06.2024	(51) B25G 1/06	B66C 1/02
(22) 10.08.2022	A47L 13/42	B65G 47/91
(54) SAFETY SYSTEM AND METHOD FOR A PORTABLE ELECTRIC TOOL	(11) EP3620266	(11) EP3790712
(73) Felco SA	(21) EP19193268.0	(21) EP19715424.8
(72) Winter, Christophe	(47) 19.06.2024	(47) 19.06.2024
(31) 2108766	(22) 23.08.2019	(87) EP2019057666
0701822021	(54) TOOL WITH HANDLES HAVING STATIONARY AND ROTATIONAL PORTIONS	14.11.2019
(32) 19.08.2021	(73) Unger Marketing International, LLC	(22) 27.03.2019
19.08.2021	(72) HARRINGTON, William	(54) GRIPPING DEVICE FOR HOLDING AT LEAST ONE COMPONENT AND HOLDING METHOD
(33) France	HUDA, Stephen P.	(73) Robert Bosch GmbH
Switzerland	(31) 201816124809	(72) PASTOR ALONSO, Cesar
(51) B25F 5/00	(32) 07.09.2018	ELTER, Alexander
B25D 17/14	(33) United States of America	SIES, Steffen
B24B 55/10	(51) B25H 1/02	(31) 102018207096
B23Q 11/00	G01B 5/00	(32) 08.05.2018
(11) EP3569365	(11) EP4223458	(33) Germany
(21) EP18777842.8	(21) EP21766370.7	(51) B25J 19/02
(47) 19.06.2024	(47) 19.06.2024	B25J 15/06
(87) CN2018081040	(87) CN2021088148	G01B 21/32
04.10.2018	07.04.2022	B25J 13/08
(22) 29.03.2018	(22) 19.04.2021	(11) EP3970928
(54) DUST COLLECTING DEVICE AND ELECTRIC TOOL	(54) ELECTRIC HIGH-PRECISION TWO-DIMENSIONAL OBJECT CARRYING TABLE	(21) EP19928417.5
(73) Nanjing Chervon Industry Co., Ltd.	(73) CHOTEST TECHNOLOGY INC.	(47) 19.06.2024
(72) WEI, Wei	(72) ZHANG, He Jun	(87) JP2019018987
ZHU, Qipeng	XU, Ai Wen	19.11.2020
(31) 201710983764	(31) 202022195202 U	(22) 13.05.2019
201721371202 U	(32) 29.09.2020	(54) SENSOR BODY AND SUCTION DEVICE
201710984266	(33) China	(73) OMRON Corporation
201710217774	(51) B25H 1/14	(72) DOI, Sayaka
(32) 20.10.2017	B25H 1/18	KOGA, Hiroki
20.10.2017	(11) EP4183526	(51) B26B 5/00
20.10.2017	(21) EP22193467.2	(11) EP4032666
01.04.2017	(47) 19.06.2024	(21) EP21020177.8
(33) China	(22) 01.09.2022	(47) 19.06.2024
China	(54) WORKBENCH FOR RECEIVING OBJECTS	(22) 31.03.2021
China	(73) RUD Ketten Rieger & Dietz GmbH u. Co. KG	(54) UTILITY KNIFE
China	(72) PFAFFENEDER, Klaus	(73) Wu, Cheng-Chou
(51) B25F 5/00	LAIS, Walter	Chen, Yung-Shun
B25F 5/02	WESCH, Rupert	Ming Shin Tools Co., Ltd.
H01M 10/0562	(31) 102021123419	(72) Chen, Yung-Shun
H01M 50/20	(32) 09.09.2021	WU, Cheng-Chou
(11) EP4039415	(33) Germany	(31) 110102347
(21) EP20870845.3	(51) B25J 9/00	(32) 21.01.2021
(47) 19.06.2024	B25J 9/04	(33) Taiwan, Chinese Taipei
(87) JP2020032517	B25J 17/02	(51) B26B 21/40
08.04.2021	B21D 43/05	B26B 21/56
(22) 28.08.2020	B21D 43/10	(11) EP3881990
(54) ELECTRIC POWER TOOL AND BATTERY PACK	(11) EP3685967	(21) EP20163838.4
(73) Panasonic Intellectual Property Management Co., Ltd.	(21) EP20153121.7	(47) 19.06.2024
(72) MURUI, Itaru	(47) 19.06.2024	(22) 18.03.2020
(31) 2019179572	(22) 22.01.2020	(54) CUTTING MEMBER FOR SHAVING RAZORS WITH MULTIPLE BLADES THAT FEATURE NARROW PLATFORM TO FACILITATE RINSING
(32) 30.09.2019	(54) WORKPIECE CONVEYANCE DEVICE	(73) BIC Viorex Single Member S.A.
(33) Japan	(73) Aida Engineering Ltd.	(72) GALANIS, Christos
(51) B25F 5/02	(72) TAKEDA, Keisuke	KARAGIANNIS, Thanasis
H01H 3/46	(31) 2019151843	AMPATIS, Christos
(11) EP3808509	2019009475	SCHIZAS, Charalampos
(21) EP19203238.1	(32) 22.08.2019	
(47) 19.06.2024		

(51) B27B 33/14 B23D 65/00	CHIGIRA, Yoshio	(22) 06.11.2020
(11) EP4140672	(31) 2020080671	(54) THERMOPRESSED COMPOSITE
(21) EP21193482.3	(32) 30.04.2020	MATERIAL WITH POLYPROPYLENE
(47) 19.06.2024	(33) Japan	WASTE MATRIX REINFORCED WITH
(22) 27.08.2021	(51) B27K 3/34	TEXTILE WASTE WITH MULTIPLE
(54) DRIVING MEMBER FOR A SAW CHAIN AND ARRANGEMENT OF SEVERAL DRIVING MEMBERS FOR A SAW CHAIN	B27N 3/06 C08G 73/02 C08L 79/02	FIBROUS COMPOSITION AS WELL AS METHOD AND DEVICE FOR PRODUCING THE SAME
(73) Andreas Stihl AG & Co. KG	(11) EP3778160	(73) Universitatea Tehnica "Gheorghe Asachi"
(72) KIENZLE, Wolfgang	(21) EP20184607.8	Din Iasi
WITTIG, Maureen	(47) 19.06.2024	(72) AILENEI, Constantin-Eugen
FREITAG, Marius	(22) 05.11.2018	HOBLEA, Alin-Enver
GRAMS, Tobias	(54) RESIN COMPOSITION, RESIN	(31) 202000100
KEWES, Marco	COATING, LAMINATES CONTAINING	(32) 26.02.2020
MÄRZ, Jürgen	SAME AND IMPREGNATES	(33) Romania
(51) B27D 5/00	CONTAINING THE SAME AND	(51) B29C 43/32
(11) EP3924155	METHOD FOR PRODUCING THE	B29C 70/30
(21) EP20706121.9	SAME	B29C 70/68
(47) 19.06.2024	(73) Fritz Egger GmbH & Co. OG	B30B 15/02
(87) EP2020053125	(72) Heinrich, Holger	B32B 27/12
20.08.2020	(31) 102017010366	(11) EP3865274
(22) 07.02.2020	(32) 09.11.2017	(21) EP19872130.0
(54) METHOD AND DEVICE FOR	(33) Germany	(47) 19.06.2024
EDGE BANDING OF A PLATE	(51) B27M 1/00	(87) JP2019038541
(73) HOMAG GmbH	E04B 1/82	16.04.2020
(72) MORLOCK, Markus	E04B 1/84	(2) 30.09.2019
(31) 102019103267	E04B 1/86	(54) CUSHION MATERIAL FOR HOT
(32) 11.02.2019	(11) EP4035854	PRESS, AND METHOD FOR
(33) Germany	(21) EP22154186.5	PRODUCING CUSHION MATERIAL
(51) B27D 5/00	(47) 19.06.2024	FOR HOT PRESS
(11) EP4274718	(22) 31.01.2022	(73) Yamauchi Corporation
(21) EP23700625.9	(54) MULTILAYER SOUND ABSORPTION	(72) YOSHIDA, Akira
(47) 19.06.2024	PANEL AND ITS USE AND METHOD	KOUNO, Shuhei
(87) EP2023050326	AND DEVICE FOR MANUFACTURING	(31) 2018190649
20.07.2023	THE SAME	(32) 09.10.2018
(22) 09.01.2023	(73) Fraunhofer-Gesellschaft zur Förderung	(33) Japan
(54) EDGE PROCESSING APPARATUS AND	der angewandten Forschung e.V.	(51) B29C 44/34
EDGE PROCESSING METHOD	Legno Tischlerei GmbH	B29C 44/44
(73) IMA Schelling Deutschland GmbH	(72) Dr. SPÄH, Moritz	B29C 44/60
(72) SELKE, Thomas	MÜLLER, Benjamin	(11) EP3234704
(31) 102022100535	ZHOU, Xiaoru	(21) EP15801395.3
(32) 11.01.2022	MUCTAR, Max	(47) 19.06.2024
(33) Germany	(31) 102021200905	(87) EP2015077668
(51) B27D 5/00	(32) 01.02.2021	02.06.2016
(11) EP3771537	(33) Germany	(22) 25.11.2015
(21) EP20186854.4	(51) B28D 1/04	(54) METHOD FOR CONTROLLING A STEP
(47) 19.06.2024	B28D 7/04	OF A PROCESS AUTOMATICALLY
(22) 21.07.2020	B23D 45/02	CARRIED OUT USING A MACHINE
(54) EDGE WORKING METHOD	B23D 47/04	AND A METHOD FOR PRODUCING A
(73) IMA Schelling Deutschland GmbH	(11) EP4151379	PARTICLE FARM PART
(72) Bilges, Kevin Christoph	(21) EP22195038.9	(73) Kurtz GmbH & Co. KG
(31) 102019120376	(47) 19.06.2024	(72) REUBER, Norbert
(32) 29.07.2019	(22) 12.09.2022	KURTZ, Maximilian
(33) Germany	(54) HEAD FOR A BRIDGE PROCESSING	ROMANOV, Victor
(51) B27F 7/36	MACHINE	KEMMER, Constantin
B27F 7/19	(73) Biesse S.p.A.	(31) 102014117332
B25C 5/15	(72) TARABELLA, Antonio	(32) 26.11.2014
(11) EP3904026	(31) 202100023786	(33) Germany
(21) EP21170709.6	(32) 15.09.2021	(51) B29C 45/76
(47) 19.06.2024	(33) Italy	B29C 49/80
(22) 27.04.2021	(51) B29B 17/00	G01N 21/90
(54) ELECTRIC STAPLER, POST-	B29C 43/00	G01N 21/89
PROCESSING DEVICE, AND IMAGE	B29C 43/02	(11) EP4132763
FORMING SYSTEM	B29C 43/20	(21) EP21717560.3
(73) Max Co., Ltd.	B29C 43/34	(47) 19.06.2024
(72) TAKAHASHI, Toshiyuki	(11) EP3871853	(87) IB2021052919
	(21) EP20206072.9	14.10.2021
	(47) 19.06.2024	(22) 08.04.2021

(54) DEVICE AND METHOD FOR INSPECTING PARISONS	22.07.2021	TASAKI, Tomoko
(73) SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA	(22) 12.01.2021	BEYER, Patrick
(72) LAICO, Donato	(54) RESIN SHEET HAVING HAIR-LIKE BODIES AND MOLDED ARTICLE THEREOF	(31) 202063119152 P
SCALINI, Cristian	(73) Denka Company Limited	(32) 30.11.2020
(31) 202000007672	(72) MAEDA, Keishi	(33) United States of America
(32) 09.04.2020	TOYAMA, Hiroko	
(33) Italy	(31) 2020004184	(51) B29C 64/112
(51) B29C 48/08	(32) 15.01.2020	B29C 64/245
B29C 48/92	(33) Japan	B29C 64/343
B29C 48/31	(51) B29C 59/00	B33Y 10/00
B29C 48/88	B26D 3/08	B33Y 30/00
G01B 5/06	B26D 7/27	B33Y 40/00
(11) EP4219118	B60R 21/2165	B33Y 80/00
(21) EP23152058.6	(11) EP3505326	A61L 27/50
(47) 19.06.2024	(21) EP19150115.4	A61L 27/38
(22) 13.08.2014	(47) 19.06.2024	A61L 27/54
(54) APPARATUS AND METHOD FOR PROVIDING MARKS ON EXTRUDED FILMS	(22) 02.01.2019	C12N 5/071
(73) Electronic Systems S.p.A.	(54) APPARATUS FOR ENGRAVING WEAKENING LINES AND RELATED PROCESS	C12N 5/00
(72) TRIZZINO, Stefano	(73) AutomationsRobotic GmbH	(11) EP4007689
MARTENA, Florida	(72) BERGAMIN, Fabio	(21) EP20747426.3
(31) 201361865695 P	(31) 201800000252	(47) 19.06.2024
13180391	(32) 02.01.2018	(87) EP2020071804
(32) 14.08.2013	(33) Italy	11.02.2021
14.08.2013	(51) B29C 61/06	(22) 03.08.2020
(33) United States of America	B29C 55/08	(54) METHOD AND CONTROL UNIT FOR 3D PRINTING OF VASCULARIZED TISSUES AND ORGANS
European Patent Office (EPO)	B65H 18/28	(73) Technische Universität Berlin
(51) B29C 49/12	B65H 75/00	(72) SCHÄFER, Konstanze
B29C 49/46	B29C 48/00	SALOMON, Andreas
B29C 49/42	B29C 48/08	(31) 19189755
B29C 49/58	B29C 61/02	(32) 02.08.2019
B29K 23/00	B29C 48/305	(33) European Patent Office (EPO)
B29K 67/00	B29C 48/88	(51) B29C 64/118
B29L 31/00	B29K 67/00	B29C 64/336
B29C 49/06	B29L 7/00	B33Y 10/00
B65B 3/02	(11) EP3747628	B33Y 40/00
(11) EP3978220	(21) EP19748240.9	B33Y 70/10
(21) EP20815392.4	(47) 19.06.2024	B33Y 80/00
(47) 19.06.2024	(87) JP2019002800	B29L 31/00
(87) JP2020015708	08.08.2019	F21V 7/24
03.12.2020	(22) 28.01.2019	(11) EP4244044
(22) 07.04.2020	(54) HEAT-SHRINKABLE POLYESTER-BASED FILM ROLL	(21) EP21807094.4
(54) LIQUID BLOW MOLDING DEVICE	(73) TOYOBO CO., LTD.	(47) 19.06.2024
(73) Yoshino Kogyosho Co., Ltd.	(72) HARUTA, Masayuki	(87) EP2021081048
(72) SHIOKAWA, Mitsuru	TABOTA, Norimi	19.05.2022
YOSHINO, Kei	(31) 2018014530	(22) 09.11.2021
(31) 2019101668	(32) 31.01.2018	(54) METHOD AND FILAMENT FOR PRODUCING A 3D ITEM, ALSO A 3D ITEM.
(32) 30.05.2019	(33) Japan	(73) Signify Holding B.V.
(33) Japan	(51) B29C 64/00	(72) HIKMET, Rifat, Ata, Mustafa
(51) B29C 51/14	C08G 77/12	VAN BOMMEL, Ties
B32B 27/36	C08G 77/20	(31) 20207366
B32B 27/40	C08L 83/04	(32) 13.11.2020
B32B 33/00	C09D 183/04	(33) European Patent Office (EPO)
B29C 59/02	(11) EP4251402	(51) B29C 65/36
B29C 51/00	(21) EP21827742.4	F16L 47/03
B29C 51/02	(47) 19.06.2024	B29C 65/00
B29C 51/10	(87) US2021060443	B29L 23/00
B29K 35/00	02.06.2022	(11) EP3785887
B29K 69/00	(22) 23.11.2021	(21) EP20195357.7
B29K 75/00	(54) HYDROSILYLATION CURE INHIBITORS AND USE THEREOF	(47) 19.06.2024
B29L 21/00	(73) Dow Silicones Corporation	(22) 05.10.2017
(11) EP4091795	Dow Toray Co., Ltd.	(54) JOINING OR REPAIRING LINED PIPES
(21) EP21741900.1	(72) BACKER, Michael	(73) Pioneer Lining Technology Limited
(47) 19.06.2024		(72) BARNES, Stephen
(87) JP2021000602		(31) 201616902
		(32) 05.10.2016

(33) United Kingdom	(33) United States of America	B60C 19/12
(51) B29C 67/00	(51) B29C 73/30	B60C 5/00
C08G 61/06	B29C 73/34	(11) EP3782828
(11) EP3209486	B29L 31/32	(21) EP20190091.7
(21) EP15852577.4	B29C 35/16	(47) 19.06.2024
(47) 19.06.2024	B29C 35/08	(22) 07.08.2020
(87) IL2015051038	(11) EP3906100	(54) TIRE INCLUDING SEALANT LAYER
28.04.2016	(21) EP20736099.1	AND SOUND ABSORBING MATERIAL
(22) 21.10.2015	(47) 19.06.2024	LAYER
(54) THREE-DIMENSIONAL INKJET	(87) US2020012114	(73) HANKOOK TIRE & TECHNOLOGY CO.,
PRINTING USING RING-OPENING	09.07.2020	LTD
METATHESIS POLYMERIZATION	(22) 03.01.2020	(72) Seo, Byeong Ho
(73) Strataysys Ltd.	(54) SYSTEMS AND METHODS FOR	Kim, Jeong Heon
(72) YUDOVIN-FARBER, Ira	RECONDITIONING POLYMERIC	Kim, Nam Seok
VIDAVSKY, Yuval	WHEELS	Chung, Hae Kwang
(31) 201462066402 P	(73) Roller Labz, LLC	Lee, Ji Wan
201462066398 P	(72) KONG, Michael	Bae, Hyun Ah
(32) 21.10.2014	PECOR, Robert	Park, In Jeong
21.10.2014	(31) 202016732912	Jo, Seok Hee
(33) United States of America	201962788171 P	(31) 20190101824
United States of America	(32) 02.01.2020	(32) 20.08.2019
(51) B29C 70/30	04.01.2019	(33) Korea (Republic)
(11) EP3758924	(33) United States of America	(51) B29D 35/12
(21) EP19717600.1	United States of America	A43B 13/12
(47) 19.06.2024	(51) B29D 11/00	A43B 3/00
(87) GB2019051035	B29D 11/02	A43B 1/00
17.10.2019	(11) EP4201656	(11) EP3815892
(22) 09.04.2019	(21) EP22216125.9	(21) EP20201898.2
(54) A METHOD OF MANUFACTURING	(47) 19.06.2024	(47) 19.06.2024
AN OBJECT FROM A COMPOSITE	(22) 22.12.2022	(22) 14.10.2020
MATERIAL AND AN OBJECT FORMED	(54) METHOD AND AN ASSEMBLY FOR	(54) TWO-COLOR SHOE OUTSOLE AND
THEREBY	REMOVING AN INTRAOCULAR LENS	METHOD FOR MANUFACTURING
(73) Universal Matter GBR Limited	FROM AN INJECTION MOLDED MOLD	SUCH OUTSOLE
(72) WEAVER, William	HALF	(73) Christian Louboutin
GALLAFENT, Antony Xavier	(73) AMO Groningen B.V.	(72) PACCAPELO, Patrik
SHARP, Matthew David	(72) EIJBERTS, Richard Henricus	ROSETTANI, Dante
JOHNSON, Gaven	Christianus	(31) 1912251
(31) 201805858	BUGEL, Rob	(32) 31.10.2019
(32) 09.04.2018	BIJKER, Martin Dinant	(33) France
(33) United Kingdom	BIJNEN, Franciscus Henricus Cornelius	(51) B30B 11/08
(51) B29C 70/54	Maria	G01N 21/85
B29C 70/76	MAAS, Mitchell Gerardus	G01N 21/3563
B29D 99/00	(31) 2030237	B30B 15/30
B29C 70/02	(32) 22.12.2021	B30B 15/00
B29C 43/20	(33) Netherlands	B01F 27/70
B32B 3/30	(51) B29D 12/02	B01F 23/60
B29L 31/30	B29C 65/48	B01F 27/192
B29L 31/00	B29C 65/00	B01F 33/82
B29C 70/68	B29C 65/52	B01F 35/214
B29C 70/72	B29L 12/00	B01F 27/90
B29C 43/02	(11) EP3927535	(11) EP3225388
B32B 3/02	(21) EP20714273.8	(21) EP16202605.8
B32B 3/26	(47) 19.06.2024	(47) 19.06.2024
B29L 31/60	(87) IB2020051245	(22) 07.12.2016
(11) EP3533595	27.08.2020	(54) POWDERY MATERIAL MIXING
(21) EP18248072.3	(22) 14.02.2020	DEGREE MEASUREMENT DEVICE,
(47) 19.06.2024	(54) SPECTACLE FRAME COMPRISING	POWDERY MATERIAL MIXING
(22) 27.12.2018	ONE OR MORE MULTI-LAYERED	AND FEEDING SYSTEM, AND
(54) COMPOSITE SANDWICH PANELS	ELEMENTS AND METHOD FOR	COMPRESSION MOLDING MACHINE
WITH OVER-CRUSHED EDGE	MANUFACTURING SUCH MULTI-	INCLUDING THE SAME
REGIONS	LAYERED ELEMENT AND SUCH	(73) Kikusui Seisakusho Ltd.
(73) The Boeing Company	SPECTACLE FRAME	(72) MURAKOSHI, Masaoki
(72) Schwartz, Christopher Robert	(73) H2C S.R.L.	KITAMURA, Naoshige
Turner, Jason	(72) CECCHIN, Orfeo	OYAMA, Jun
Black, Michael B.	(31) 201900002349	(31) 2016065885
Kotlik, Mitchell Zachary	(32) 18.02.2019	(32) 29.03.2016
(31) 201815887839	(33) Italy	(33) Japan
(32) 02.02.2018	(51) B29D 30/06	(51) B32B 15/08

B32B 7/027	B29C 45/14	AND MACHINE FOR GENERATING
B32B 27/06	B29C 51/10	OPTICALLY VARIABLE IMAGE
B32B 27/20	B32B 27/00	ELEMENTS
E04B 1/94	B29L 9/00	(73) Koenig & Bauer AG
(11) EP3753728	C08J 7/04	(72) BECK, Eugen
(21) EP19754544.5	C08L 69/00	KREPS, Edwin
(47) 19.06.2024	(11) EP3053739	KRIEGE, Björn
(87) JP2019004986	(21) EP14848767.1	(31) 102021110864
22.08.2019	(47) 19.06.2024	(32) 28.04.2021
(22) 13.02.2019	(87) JP2014076080	(33) Germany
(54) FLAME RETARDANT METAL-RESIN	02.04.2015	(51) B41F 31/02
COMPOSITE MATERIAL	(22) 30.09.2014	(11) EP3393808
(73) Mitsubishi Chemical Infratec Co., Ltd.	(54) DECORATIVE SHEET, DECORATIVE	(21) EP16822426.9
(72) YANAI, Eiji	RESIN MOLDED ARTICLE, AND	(47) 19.06.2024
MURAKI, Kazuhiro	MANUFACTURING METHOD FOR	(87) EP2016081299
(31) 2018178911	DECORATIVE RESIN MOLDED	29.06.2017
2018024257	ARTICLE	(22) 15.12.2016
(32) 25.09.2018	(73) Dai Nippon Printing Co., Ltd.	(54) AN APPARATUS FOR FLEXOGRAPHIC
14.02.2018	(72) SAITOU, Nobuo	PRINTING AND AN INLET MODULE
(33) Japan	AWA, Megumi	(73) Tetra Laval Holdings & Finance S.A.
Japan	KOIKE, Hideaki	(72) SCHEFFLER, Märten
(51) B32B 27/00	KATAOKA, Sakie	BILLING, Tobias
B32B 27/32	(31) 2013204234	(31) 1551710
B32B 27/36	(32) 30.09.2013	(32) 22.12.2015
B65D 8/00	(33) Japan	(33) Sweden
B65D 25/14	(51) B32B 38/16	(51) B41F 33/02
B32B 15/08	B32B 37/00	B41F 33/00
B65D 43/00	G02F 1/13	B41F 21/12
(11) EP3922455	H04B 1/40	B41F 19/00
(21) EP20753260.7	B65C 9/00	B41F 13/004
(47) 19.06.2024	B29C 63/00	(11) EP4110620
(87) JP2020004475	B29C 63/02	(21) EP21734114.8
13.08.2020	B29L 31/34	(47) 19.06.2024
(22) 06.02.2020	(11) EP3845383	(87) EP2021066598
(54) CAN LID MADE OF RESIN LAMINATE	(21) EP21152581.1	10.02.2022
STEEL SHEET FOR RESIN-METAL	(47) 19.06.2024	(22) 18.06.2021
COMPOSITE CONTAINER, CAN	(22) 08.08.2014	(54) METHODS FOR MONITORING AT
BOTTOM MADE OF RESIN LAMINATE	(54) OVERLAY APPLICATOR	LEAST ONE ADHESIVE POINT
STEEL SHEET FOR RESIN-METAL	(73) Belkin International, Inc.	USING A MONITORING SYSTEM
COMPOSITE CONTAINER, AND RESIN-	(72) Kleeman, David	AND MONITORING SYSTEMS
METAL COMPOSITE CONTAINER	Nalwad, Vijendra	FOR MONITORING AT LEAST ONE
(73) NIPPON STEEL CORPORATION	Wadsworth, John F.	ADHESIVE POINT
(72) MIZUTANI Tomohiro	Conley, William P.	(73) Koenig & Bauer AG
KADOWAKI Nobuo	Jakobson, Justin	(72) SINGER, Stefan
IWAKIRI Kazushi	Lane, Steven	(31) 102020120511
KATO Satoshi	(31) 201361890271 P	PCT/EP2021/052942
(31) 2019020682	201361871864 P	(32) 04.08.2020
(32) 07.02.2019	201361863895 P	08.02.2021
(33) Japan	(32) 13.10.2013	(33) Germany
(51) B32B 27/28	29.08.2013	World Intellectual Property Office (WIPO)
B32B 27/32	08.08.2013	(51) B41M 5/333
B32B 7/10	(33) United States of America	(11) EP4259449
B32B 7/12	United States of America	(21) EP20838767.0
B32B 1/08	United States of America	(47) 19.06.2024
(11) EP3904092	(51) B41F 27/02	(87) US2020064342
(21) EP20172051.3	B41F 19/00	16.06.2022
(47) 19.06.2024	G03G 19/00	(22) 10.12.2020
(22) 29.04.2020	B41F 11/02	(54) MULTI-PURPOSE PHENOL-FREE
(54) FLEXIBLE REINFORCED MULTILAYER	B41F 13/08	DIRECT THERMAL RECORDING
POLYMER PIPE	B42D 25/369	MEDIA
(73) Radius-Kelit Infrastructure Gesellschaft	(11) EP4259439	(73) Appvion, LLC
m.b.H.	(21) EP22715636.1	(72) FISHER, Mark R.
(72) SHMELEV, Aleksandr Yuryevich	(47) 19.06.2024	(51) B42C 19/08
FILIPPOV, Anatoliy Nikolaevich	(87) EP2022058603	B65H 31/34
SHALYAPIN, Sergey Valeryevich	03.11.2022	B65H 31/30
SAMOILOV, Sergey Vasilyevich	(22) 31.03.2022	B65H 43/00
GORILOVSKIY, Miron Isaakovich	(54) DEVICE FOR ALIGNING MAGNETIC	(11) EP3778453
(51) B32B 27/30	OR MAGNETISABLE PARTICLES	(21) EP20186915.3

(47) 19.06.2024	(22) 12.12.2018	102020114052
(22) 21.07.2020	(54) METHOD OF MANUFACTURING	(32) 18.11.2020
(54) PAPER SHEET PROCESSING	SECURITY IDENTIFICATION CARD	26.05.2020
APPARATUS	HAVING COLOR PORTRAIT, AND	(33) Germany
(73) Horizon International Inc.	SECURITY IDENTIFICATION CARD	Germany
(72) Otani, Hiroto	USING SAME	(51) B60C 3/04
Wakimoto, Shigeru	(73) Shenzhen Emperor Technology	B60C 9/00
Okamoto, Kohei	Company Limited	B60C 9/04
(31) 2019145541	(72) ZHENG, Song	B60C 9/08
(32) 07.08.2019	FENG, Jiange	B60C 9/22
(33) Japan	HU, Yongbing	B60C 9/26
(51) B42D 15/04	JIANG, Xiaojun	B60C 9/20
G09F 1/08	TANG, Xiaohong	(11) EP3882049
G09F 1/06	(31) 201811233934	(21) EP19896119.5
B44C 5/06	(32) 23.10.2018	(47) 19.06.2024
(11) EP4000939	(33) China	(87) JP2019048653
(21) EP21161103.3	(51) B42F 7/12	18.06.2020
(47) 19.06.2024	B65D 21/02	(22) 12.12.2019
(22) 05.03.2021	A47B 87/02	(54) PNEUMATIC TIRE
(54) THREE-DIMENSIONAL DISPLAY	(11) EP3970985	(73) BRIDGESTONE CORPORATION
(73) Freshcut Paper, LLC	(21) EP21195052.2	(72) KAWASHIMA, Keisuke
(72) HEWITT, Peter	(47) 19.06.2024	HASHIMOTO, Masayuki
(31) 202063115003 P	(22) 06.09.2021	SUZUKI, Kohei
(32) 17.11.2020	(54) LETTER TRAY ASSEMBLY	(31) 2018233867
(33) United States of America	(73) Leitz ACCO Brands GmbH & Co KG	(32) 13.12.2018
(51) B42D 25/36	(72) LEUTE, Kurt	(33) Japan
B42D 25/405	SCHNEIDER, Ulrich	(51) B60C 5/00
(11) EP3237224	SCHNEIDER, Thomas	C08L 75/08
(21) EP15823815.4	DE WISPELAERE, Mark	(11) EP3663102
(47) 19.06.2024	(31) 102020124394	(21) EP18848889.4
(87) IB2015059968	(32) 18.09.2020	(47) 19.06.2024
30.06.2016	(33) Germany	(87) JP2018027957
(22) 23.12.2015	(51) B44C 3/00	28.02.2019
(54) DYNAMIC SECURITY DEVICE	B44C 1/22	(22) 25.07.2018
(73) Bank Of Canada	F21S 41/20	(54) PNEUMATIC TIRE
National Research Council of Canada	F21S 41/37	(73) Sumitomo Rubber Industries, Ltd.
(72) VERES, Teodor	B23K 26/362	(72) KAWACHI, Takahiro
MALIC, Lidija	F21S 43/20	(31) 2017159679
GARANZOTIS, Theodoros	(11) EP4205994	(32) 22.08.2017
MORTON, Keith J.	(21) EP22210341.8	(33) Japan
BRASSARD, Daniel	(47) 19.06.2024	(51) B60C 7/18
MACPHERSON, Charles D.	(22) 29.11.2022	B60B 9/26
(31) 201462096700 P	(54) METHOD FOR PRODUCING A	(11) EP3732062
201462096695 P	TRANSLUCENT OR TRANSPARENT	(21) EP18834311.5
(32) 24.12.2014	VEHICLE PART	(47) 19.06.2024
24.12.2014	(73) Compagnie Plastic Omnium SE	(87) US2018068189
(33) United States of America	(72) GUILLIER, Stéphane	04.07.2019
United States of America	CORNET, Olivier	(22) 31.12.2018
(51) B42D 25/40	HUSAK, Xavier	(54) RESILIENT COMPOSITE STRUCTURE
B42D 25/415	(31) 2112817	(73) COMPAGNIE GENERALE DES
B42D 25/435	(32) 01.12.2021	ETABLISSEMENTS MICHELIN
B42D 25/309	(33) France	(72) CRON, Steven M
B42D 25/30	(51) B60B 27/00	GAYLO, Ryan Micheal
B42D 25/23	G01P 3/44	(31) PCT/US2017/069177
B41M 1/30	B60T 8/32	(32) 31.12.2017
B41M 3/00	(11) EP4157682	(33) World Intellectual Property Office (WIPO)
B41M 3/14	(21) EP21727358.0	(51) B60C 11/03
B41M 7/00	(47) 19.06.2024	B60C 11/12
B42D 25/351	(87) DE2021100427	(11) EP4049861
B42D 25/364	02.12.2021	(21) EP20898120.9
B42D 25/378	(22) 10.05.2021	(47) 19.06.2024
B42D 25/405	(54) WHEEL HUB ARRANGEMENT AND	(87) JP2020027136
B42D 25/41	POLE RING FOR AN ABS SENSOR	17.06.2021
(11) EP3708382	(73) BPW Bergische Achsen	(22) 10.07.2020
(21) EP18937594.2	Kommanditgesellschaft	(54) TIRE
(47) 19.06.2024	(72) SIEBEL, Reiner	(73) BRIDGESTONE CORPORATION
(87) CN2018120437	SCHLIMBACH, Andreas	(72) TANAKA Yuta
30.04.2020	(31) 102020130414	(31) 2019224889

(32) 12.12.2019	(22) 05.07.2021	(11) EP3756917
(33) Japan	(54) TYRE SELECTION METHODS AND SYSTEMS	(21) EP20181827.5
(51) B60C 11/03	(73) Bridgestone Europe NV/SA	(47) 19.06.2024
B60C 11/13	Bridgestone Mobility Solutions B.V.	(22) 24.06.2020
B60C 11/12	(72) ALCANTARILLA CALDERÓN, Jonatan	(54) VEHICULAR AIR CONDITIONER
(11) EP3880496	BENEDETTI, Roberto	(73) Valeo Japan Co., Ltd.
(21) EP19836698.1	LUST, Jeroen	(72) SAKURAI, Yusaku
(47) 19.06.2024	VERHEIJEN, Paul Roeland	NAKAMURA, Saki
(87) US2019060911	TECCA, Federico	NAGANO, Hideki
22.05.2020	BORTOLOTTI, Valerio	TANAKA, Yuya
(22) 12.11.2019	(31) 20184082	(31) 2019120764
(54) TRUCK TIRE TREAD WITH ANGLED RIBS HAVING STONE EJECTORS	(32) 03.07.2020	(32) 28.06.2019
(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	(33) European Patent Office (EPO)	(33) Japan
(72) AYGLON, Virgile	(51) B60G 7/00	(51) B60H 1/00
MAILHIOT, Nicholas	B60G 9/00	B60K 35/00
KEEFE, Brian Joseph	B60G 9/02	B60K 37/06
(31) 201862767658 P	(11) EP4204242	(11) EP4029708
(32) 15.11.2018	(21) EP21745821.5	(21) EP22151634.7
(33) United States of America	(47) 19.06.2024	(47) 19.06.2024
(51) B60C 11/04	(87) EP2021070120	(22) 14.01.2022
B60C 11/12	03.03.2022	(54) CONTROL SYSTEM OF THE AIR CONDITIONING OF A CABIN OF A VEHICLE
B60C 11/03	(22) 19.07.2021	(73) IVECO S.P.A.
(11) EP4151435	(54) CONNECTION SYSTEM	(72) UCCHEDDU, Davide
(21) EP22190100.2	(73) ZF Friedrichshafen AG	(31) 202100000596
(47) 19.06.2024	(72) HELM, Eike	(32) 14.01.2021
(22) 12.08.2022	HOHER, Karlheinz	(33) Italy
(54) TIRE	LENZ, Paul	(51) B60H 1/22
(73) Sumitomo Rubber Industries, Ltd.	KNOPP, Sören	B60H 1/00
(72) MIYOSHI, Kohei	BERGMANN, Thomas	B60H 1/32
FUKUDA, Kengo	WAIM, Thomas	F25B 1/00
OHTE, Yuto	DI SARNO, Marco	F25B 29/00
IKEDA, Ryota	RENNER, Stefan	F25B 43/00
(31) 2021150439	(31) 102020210971	F25B 40/00
(32) 15.09.2021	(32) 31.08.2020	F25B 41/20
(33) Japan	(33) Germany	F25B 41/39
(51) B60C 23/00	(51) B60G 17/056	F25B 49/02
B60C 23/04	B60G 17/08	(11) EP3693197
B60C 23/20	B60G 17/04	(21) EP18863956.1
(11) EP4037920	F16K 1/42	(47) 19.06.2024
(21) EP20785673.3	F16K 25/00	(87) JP2018034283
(47) 19.06.2024	F15B 11/17	11.04.2019
(87) EP2020000160	(11) EP4067127	(22) 14.09.2018
08.04.2021	(21) EP22162129.5	(54) AIR CONDITIONING DEVICE
(22) 17.09.2020	(47) 19.06.2024	(73) Marelli Cabin Comfort Japan Corporation
(54) MONITORING APPARATUS FOR A MOTOR VEHICLE, WARNING DEVICE FOR A VEHICLE, WARNING SYSTEM AND METHOD FOR OPERATING A MONITORING APPARATUS	(22) 15.03.2022	(72) MAEDA, Tomohiro
(73) SCHROEDEL, Helmut	(54) SUSPENSION HYDRAULIC LIFT ACTUATOR FOR AXLE TRIM HEIGHT CONTROL	HATAKEYAMA, Jun
(72) LARSEN, David, Wayne	(73) BeijingWest Industries Co. Ltd.	OGIHARA, Satoshi
CICCHINI, Mercurio	(72) DERR, Randall L.	NAGATA, Mitsuaki
SCHROEDEL, Helmut	BORGEMENKE, Daniel Norbert	OSAKI, Tatsuya
(31) 102020004720	OSSWALD, Adam Michael	OOKAWARA, Yasuhiro
102019006859	LANDIS, Michael William	(31) 2018043559
(32) 04.08.2020	LLOYD, Earl Wayne	2017221741
01.10.2019	REUTER, David Fredrick	2017193009
(33) Germany	(31) 202210157290	(32) 09.03.2018
Germany	202163168592 P	17.11.2017
(51) B60C 99/00	(32) 21.02.2022	02.10.2017
G06Q 30/06	31.03.2021	(33) Japan
G07C 5/00	(33) China	Japan
G07C 5/08	United States of America	Japan
(11) EP3932700	(51) B60H 1/00	(51) B60H 1/34
(21) EP21183824.8	B60H 3/00	F24F 13/14
(47) 19.06.2024	B60H 3/02	(11) EP3758964
	A61L 9/00	(21) EP19707322.4
	A61L 9/12	(47) 19.06.2024
	A61L 9/22	(87) EP2019054050
		06.09.2019

(22) 19.02.2019	(22) 08.02.2023	ELECTRIC ENERGY STORAGE OF A
(54) VENTILATION DEVICE FOR A MOTOR VEHICLE	(54) POWERTRAIN, METHOD FOR CONTROLLING COOLING OF POWERTRAIN, AND VEHICLE	VEHICLE
(73) VOLKSWAGEN AKTIENGESELLSCHAFT	(73) Huawei Digital Power Technologies Co., Ltd.	(73) Stellantis Auto SAS
(72) OTHMER, Carsten	(72) CAO, Yi	(72) MORNET, Mickael
(31) 102018203076	LIU, Hongbing	BOTCHON, Yannick
(32) 01.03.2018	WEI, Jingzhou	(31) 1914275
(33) Germany	(31) 202210130262	(32) 12.12.2019
(51) B60J 10/00	(32) 11.02.2022	(33) France
B23P 19/00	(33) China	
B23P 19/04	(51) B60K 37/00	(51) B60L 3/00
B65H 75/18	G06F 3/0482	B60L 3/12
(11) EP4065396	G06F 3/0483	H02J 7/00
(21) EP20807663.8	G06F 3/04886	(11) EP4267422
(47) 19.06.2024	(11) EP4253122	(21) EP22702943.6
(87) EP2020000180	(21) EP23155416.3	(47) 19.06.2024
03.06.2021	(47) 19.06.2024	(87) EP2022052074
(22) 28.10.2020	(22) 07.02.2023	04.08.2022
(54) SEALING STRAND HAVING AN INDIVIDUAL IDENTIFICATION MEANS, AND APPLICATION METHOD	(54) AUTOMOTIVE DISPLAY	(22) 28.01.2022
(73) CQLT SaarGummi Technologies S.à.r.l.	(73) Suzuki Motor Corporation	(54) POWER DELIVERY CONTROL SYSTEM FOR AN ELECTRIC VEHICLE AND DIAGNOSTIC METHOD THEREFOR
(72) KAST, Christian	(72) ISHIDO, Masazumi	(73) BRP-Rotax GmbH & Co. KG
(31) 102019132555	UCHIUMI, Sumihiko	(72) WOLFSEGGGER, Simon
(32) 29.11.2019	SUNDA, Takashi	WESENAUER, Severin
(33) Germany	OGI, Risako	HOESSLE, Florian
(51) B60K 1/04	OTA, Honoka	(31) 202163143466 P
B60K 15/03	(31) 2022041592	(32) 29.01.2021
B62D 21/15	(32) 16.03.2022	(33) United States of America
B60R 19/56	(33) Japan	
B62D 35/00	(51) B60L 1/00	(51) B60L 5/42
(11) EP4169754	B60H 1/32	B60L 9/00
(21) EP22200863.3	B60K 1/00	B60L 50/16
(47) 19.06.2024	(11) EP4088962	B60L 50/61
(22) 11.10.2022	(21) EP20959316.9	B60L 53/12
(54) COVERED CRASH STRUCTURE FOR ENERGY STORAGE	(47) 19.06.2024	B60L 53/30
(73) MAN Truck & Bus SE	(87) CN2020125674	B60L 53/67
(72) Schmitz, Andreas	05.05.2022	B60W 20/12
(31) 102021127606	(22) 31.10.2020	B60W 20/13
(32) 25.10.2021	(54) ELECTRIC AUTOMOBILE DRIVING SYSTEM AND ELECTRIC AUTOMOBILE	B60W 20/16
(33) Germany	(73) Huawei Digital Power Technologies Co., Ltd.	(11) EP4108498
(51) B60K 7/00	(72) TANG, Zhengyi	(21) EP22180398.4
B60K 11/02	ZHONG, Hu	(47) 19.06.2024
H02K 5/20	MEI, Xueyu	(22) 22.06.2022
B60K 1/00	WANG, Huan	(54) POWER SUPPLY SYSTEM, POWER SUPPLY APPARATUS, AND POWER SUPPLY METHOD
(11) EP4074533	HU, Xiong	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(21) EP22164429.7	WANG, Yanzhong	(72) HASHIMOTO, Toshiya
(47) 19.06.2024	(51) B60L 3/00	YOKOYAMA, Daiki
(22) 25.03.2022	B60L 3/12	(31) 2021103017
(54) AXLE ASSEMBLY HAVING AN ELECTRIC MOTOR MODULE	B60L 58/14	(32) 22.06.2021
(73) ArvinMeritor Technology, LLC	B60L 58/15	(33) Japan
(72) Hayes, Brian	B60L 58/20	(51) B60L 15/20
Varela, Tomaz	B60R 16/03	(11) EP2969642
Math, Somalingayya	H01M 10/42	(21) EP14769572.0
(31) 202117217055	H02J 7/00	(47) 19.06.2024
(32) 30.03.2021	H02J 7/14	(87) US2014028373
(33) United States of America	(11) EP4072893	25.09.2014
(51) B60K 11/02	(21) EP20861962.7	(22) 14.03.2014
B60K 7/00	(47) 19.06.2024	(54) DYNAMIC CONTROL FOR LIGHT ELECTRIC VEHICLES
B60K 1/00	(87) FR2020052070	(73) Neutron Holdings, Inc., DBA Lime
B60K 1/02	17.06.2021	(72) TRUJILLO, Salomon
B60K 17/04	(22) 12.11.2020	ULMEN, John
(11) EP4227135	(54) METHOD OF DYNAMIC CONTROL OF THE CHARGING CURRENT OF AN	TRAN, Matthew
(21) EP23155509.5		DASTOOR, Sanjay
(47) 19.06.2024		(31) 201361785543 P
		(32) 14.03.2013
		(33) United States of America

(51) B60N 2/07 B60N 2/08	(32) 18.02.2022	(22) 05.04.2018
(11) EP4178831	(33) Luxembourg	(54) LIGHTING DEVICE FOR LIGHTING THE INTERIOR OF A MOTOR VEHICLE
(21) EP21791566.9	(51) B60Q 1/00	(73) Volkswagen Aktiengesellschaft
(47) 19.06.2024	B60Q 1/04	(72) FRANKE, Stefan
(87) US2021051959	G01S 17/931	ZANDER, Klaus
31.03.2022	G01S 7/497	(31) 102017208999
(22) 24.09.2021	G01S 7/481	(32) 29.05.2017
(54) LOOP LATCH RELEASE SYSTEM FOR A LONG RAIL ASSEMBLY	B60Q 1/068	(33) Germany
(73) Magna Seating Inc.	B60Q 1/072	(51) B60Q 3/80
(72) ZHAO, Kai	B60Q 1/076	B32B 17/10
KURZEJA, Kristof, M.	B60Q 1/08	(11) EP4140813
FOLK, Avery	G01M 11/06	(21) EP22190511.0
VETERE, Louis, II	G01S 15/931	(47) 19.06.2024
(31) 202063082692 P	G01S 13/931	(22) 16.08.2022
(32) 24.09.2020	(11) EP3998176	(54) VEHICULAR ILLUMINATION PRESENTATION SYSTEM
(33) United States of America	(21) EP21210160.4	(73) Yazaki Corporation
(51) B60N 2/12	(47) 19.06.2024	(72) Ishibashi, Shuichi
B60N 2/06	(22) 02.08.2017	(31) 2021137527
B60N 2/08	(54) SENSOR SYSTEM	(32) 25.08.2021
(11) EP4294670	(73) KOITO MANUFACTURING CO., LTD.	(33) Japan
(21) EP217072228.9	(72) YAMAMOTO, Teruaki	(51) B60R 1/04
(47) 19.06.2024	FUSHIMI, Yoshiaki	(11) EP4163155
(87) EP2021054151	KASABA, Yusuke	(21) EP21201780.0
25.08.2022	HORI, Takashi	(47) 19.06.2024
(22) 19.02.2021	(31) 2017055703	(22) 08.10.2021
(54) VEHICLE SEAT WITH A LOCKING ELEMENT	2016158726	(54) A SUPPORT FOR A CAMERA DISPLAY OF A VEHICLE
(73) Brose Fahrzeugteile SE & Co. Kommanditgesellschaft, Coburg	2016158725	(73) VOLVO TRUCK CORPORATION
(72) PAULS, Andreas	(32) 22.03.2017	(72) RABOUIN, Guillaume
RAJPUT, Chetansingh	12.08.2016	(51) B60R 7/06
(51) B60N 5/00	12.08.2016	(11) EP4001015
G08G 1/16	(33) Japan	(21) EP21207883.6
(11) EP3960537	Japan	(47) 19.06.2024
(21) EP21306164.1	Japan	(22) 12.11.2021
(47) 19.06.2024	(51) B60Q 1/08	(54) SLIDING TYPE GLOVE BOX
(22) 30.08.2021	F21S 41/143	(73) KBI Dongkook Ind. Co., Ltd.
(54) PUBLIC TRANSPORT ROAD VEHICLE COMPRISING A DOOR CONTROL SYSTEM	F21S 41/155	Hyundai Mobis Co., Ltd.
(73) IVECO FRANCE S.A.S.	F21S 41/255	(72) KIM, Sun Kyung
(72) CODRON, Stephane	F21S 41/20	EOM, Tae Yong
(31) 202000020671	F21S 41/43	PARK, Chang Bok
(32) 31.08.2020	F21S 41/64	KANG, Sung Ho
(33) Italy	(11) EP3429891	CHOI, Dong Yong
(51) B60P 1/64	(21) EP17706730.3	KWON, O Sim
B66C 19/00	(47) 19.06.2024	SON, Dong Il
B66F 9/00	(87) EP2017053904	(31) 20200154663
(11) EP3483003	21.09.2017	(32) 18.11.2020
(21) EP17201155.3	(22) 21.02.2017	(33) Korea (Republic)
(47) 19.06.2024	(54) FLOODLIGHT FOR A MOTOR VEHICLE	(51) B60R 21/2334
(22) 10.11.2017	(73) Bayerische Motoren Werke Aktiengesellschaft	B60R 21/237
(54) TRANSPORT DEVICE	(72) GEHB, Tina	B60N 2/427
(73) H.P. Beck & Söhne AG	HAUSMANN, Thomas	(11) EP3960554
(72) BECK, Markus	SIELER, Marcel	(21) EP20796257.2
(51) B60P 3/34	(31) 102016204344	(47) 19.06.2024
(11) EP4230478	(32) 16.03.2016	(87) JP2020014769
(21) EP22214249.9	(33) Germany	29.10.2020
(47) 19.06.2024	(51) B60Q 3/78	(22) 31.03.2020
(22) 16.12.2022	B60Q 3/60	(54) OCCUPANT PROTECTION DEVICE
(54) CAMPING TRAILER FOR A MOTOR VEHICLE, ESPECIALLY TENT TRAILER	F21V 7/00	(73) Autoliv Development AB
(73) Urbanoid GmbH	B60Q 3/10	(72) ISHIGAKI, Ryota
(72) HOFFMANN, Martin Paul	F21V 15/01	(31) 2019081248
OFFENBECK, Thomas Stascha	F21Y 103/10	(32) 22.04.2019
(31) 501513	F21Y 115/10	(33) Japan
	F21Y 107/70	(51) B60S 1/50
	(11) EP3631290	(11) EP3960555
	(21) EP18717302.6	(21) EP21203766.7
	(47) 19.06.2024	
	(87) EP2018058778	
	06.12.2018	

(47) 19.06.2024	(22) 22.07.2022	B62J 45/00
(22) 25.10.2019	(54) ELECTRONIC MECHANICAL BRAKE SYSTEM AND VEHICLE	(11) EP4163177
(54) MOTOR VEHICLE COMPRISING A DEVICE FOR PROVIDING WIPER WATER	(73) Huawei Digital Power Technologies Co., Ltd.	(21) EP22199060.9
(73) MAN Truck & Bus SE	(72) WAN, Yongjian	(47) 19.06.2024
(72) Meyer-Tuve, Harald	HE, Yuhui	(22) 30.09.2022
Gerritzen, Ralph	HE, Jianjun	(54) METHOD FOR OPERATING A TWO-WHEELED VEHICLE, AND TWO-WHEELED VEHICLE
(31) 102018127043	NI, Hui	(73) Robert Bosch GmbH
(32) 30.10.2018	(31) 202110832270	(72) Moia, Alessandro
(33) Germany	(32) 22.07.2021	Baumgaertner, Daniel
(51) B60S 1/64	(33) China	Nakamura, Atsushi
B62D 1/183	(51) B60W 20/12	Klug, Silas
A61L 2/00	B60W 20/16	Widmaier, Georg
(11) EP4255778	B60W 10/06	Maier, Oliver
(21) EP21816416.8	B60W 40/076	Dauer, Felix
(47) 19.06.2024	(11) EP4063211	Heil, Steffen
(87) EP2021082360	(21) EP21854734.7	(31) 102021211390
16.06.2022	(47) 19.06.2024	(32) 08.10.2021
(22) 19.11.2021	(87) CN2021074891	(33) Germany
(54) VEHICLE	11.08.2022	(51) B60W 40/10
(73) Mercedes-Benz Group AG	(22) 02.02.2021	B60W 40/12
(72) SCHADT, Torsten	(54) METHOD, APPARATUS, AND SYSTEM FOR CONTROLLING ENGINE, AND VEHICLE	B62D 15/02
(31) 102020007463	(73) Zhejiang Geely Holding Group Co., Ltd.	(11) EP3898367
(32) 07.12.2020	Ningbo Geely Royal Engine Components Co., Ltd.	(21) EP19813271.4
(33) Germany	Aurobay Technology Co., Ltd	(47) 19.06.2024
(51) B60S 3/04	(72) LIU, Yiqiang	(87) EP2019082692
B01D 17/00	YU, Xuemei	25.06.2020
B62H 3/08	HUANG, Weishan	(22) 27.11.2019
C02F 1/00	JING, Junchao	(54) METHOD AND DEVICE FOR DETERMINING A DYNAMIC TYRE CIRCUMFERENCE OF A MEANS OF TRANSPORT
B60S 5/00	YANG, Jun	(73) Robert Bosch GmbH
(11) EP3947060	SCHOLTEN, Ingo	(72) MICHI, Harald
(21) EP20715336.2	WANG, Ruiping	LAZOUANE, Ussama
(47) 19.06.2024	(51) B60W 30/12	STEIN, Fabian
(87) EP2020058654	B60W 30/095	KROUPA, Stepan
08.10.2020	G08G 1/16	(31) 102018222152
(22) 27.03.2020	(11) EP3902729	(32) 18.12.2018
(54) WASHING AND TREATMENT APPARATUS FOR A WHEELED VEHICLE, WITH SEPARATION OF WASHING LIQUID AND TREATMENT SUBSTANCE	(21) EP19805089.0	(33) Germany
(73) Easy Power GmbH	(47) 19.06.2024	(51) B60W 50/00
(72) BUCHNER, Maximilian	(87) US2019058614	B60K 6/00
(31) 102019108229	02.07.2020	B60W 20/00
(32) 29.03.2019	(22) 29.10.2019	(11) EP3694758
(33) Germany	(54) METHOD AND APPARATUS RELATED TO INTRA-LANE POSITION DATA INDICATIVE OF A LATERAL DISTANCE TO A LANE REFERENCE POINT	(21) EP18780199.8
(51) B60T 1/10	(73) QUALCOMM INCORPORATED	(47) 19.06.2024
F16D 61/00	(72) BHARADWAJ, Arjun	(87) FR2018052269
(11) EP3891029	HOVEY, Richard Reid	18.04.2019
(21) EP20702693.1	VARGAS, Jose Edson	(22) 17.09.2018
(47) 19.06.2024	BAGHEL, Sudhir Kumar	(54) CONTROL SYSTEM WITH RESTRICTION OF THE TORQUE DISTRIBUTION RATIO
(87) IB2020050083	PATIL, Shailesh	(73) Stellantis Auto SAS
16.07.2020	CHENG, Hong	(72) ROCQ, Gaetan
(22) 07.01.2020	VASSILOVSKI, Dan	GRIGORIE, Simona Corina
(54) VEHICLE WHEEL ASSEMBLY	(31) 201916666010	MILHAU, Yohan
(73) Invaction S.r.l.	201862786322 P	HABBANI, Ridouane
(72) ATZENI, Christian	(32) 28.10.2019	(31) 1759429
(31) 201900000109	28.12.2018	(32) 09.10.2017
(32) 07.01.2019	(33) United States of America	(33) France
(33) Italy	United States of America	(51) B60W 50/00
(51) B60T 8/171	(51) B60W 30/18	B60W 30/12
B60T 13/66	B62M 6/00	B60W 30/16
B60T 13/74	B60W 30/045	(11) EP3233603
B60T 17/22	B60W 10/08	(21) EP15816417.8
(11) EP4122783	B60W 10/188	(47) 19.06.2024
(21) EP22186540.5		(87) EP2015079710
(47) 19.06.2024		

23.06.2016	(54) LINING HOLDER FOR A BRAKE LINING	Tanaka, Hiroshi
(22) 15.12.2015	SUPPORT OF A RAILWAY VEHICLE	Nakayama, Nobuyuki
(54) DRIVER ASSISTANCE DEVICE FOR A	(73) KNORR-BREMSE Systeme für	Baba, Hiroyuki
MOTOR VEHICLE AND METHOD FOR	Schienenfahrzeuge GmbH	(31) 2021183336
OPERATING SUCH A DEVICE	(72) ELSTORPFF, Marc-Gregory	2021161834
(73) Valeo Schalter und Sensoren GmbH	MÜLLEK, Ferenc	(32) 10.11.2021
(72) MATHES, Joachim	(31) 102019118297	30.09.2021
MOSEK, Martin	(32) 05.07.2019	(33) Japan
VOVKUSHEVSKY, Vsevolod	(33) Germany	Japan
(31) 102014018913	(51) B62D 5/04	(51) B62D 25/14
(32) 17.12.2014	B62D 15/02	B62D 33/06
(33) Germany	B62D 6/00	(11) EP3936416
(51) B61D 27/00	(11) EP4063244	(21) EP20185293.6
B61F 5/52	(21) EP21904613.3	(47) 19.06.2024
(11) EP3587213	(47) 19.06.2024	(22) 10.07.2020
(21) EP19170175.4	(87) JP2021040170	(54) MOTOR VEHICLE COMPRISING A
(47) 19.06.2024	30.06.2022	CAB BODY FIREWALL WITH A LOWER
(22) 18.04.2019	(22) 29.10.2021	CROSS BEAM AND AN UPPER CROSS
(54) CHASSIS WITH A CLADDING	(54) DEVICE AND METHOD FOR	BEAM
ASSEMBLY	CONTROLLING ELECTRIC POWER	(73) VOLVO TRUCK CORPORATION
(73) Siemens Mobility Austria GmbH	STEERING DEVICE	(72) LAGRUT, Jérôme
(72) Gageik, Manuel Alexander	(73) NSK Ltd.	RABOUIN, Guillaume
Krause, Martin	(72) KITAZUME, Tetsuya	(51) B62H 5/06
Grzona, Andreas	(31) 2020213947	B62K 19/32
Moshammer, Thomas	(32) 23.12.2020	(11) EP3819197
Prix, Alexander	(33) Japan	(21) EP20205927.5
(31) 505192018	(51) B62D 7/18	(47) 19.06.2024
(32) 22.06.2018	F16C 35/04	(22) 05.11.2020
(33) Austria	(11) EP4010603	(54) ANTI-THEFT DEVICE FOR A BICYCLE
(51) B61F 1/00	(21) EP20734709.7	AND MOUNTING METHOD THEREOF
B61D 3/20	(47) 19.06.2024	(73) Spoto, Patrizio
B61D 45/00	(87) EP2020067578	(72) Spoto, Patrizio
(11) EP3875341	11.02.2021	(31) 202000014965
(21) EP18925721.5	(22) 24.06.2020	201900020552
(47) 19.06.2024	(54) WHEEL CARRIER DEVICE FOR A	(32) 23.06.2020
(87) CN2018113165	VEHICLE, IN PARTICULAR FOR A	07.11.2019
07.05.2020	MOTOR VEHICLE, AND A VEHICLE, IN	(33) Italy
(22) 31.10.2018	PARTICULAR MOTOR VEHICLE	Italy
(54) FREIGHT TRAIN CHASSIS AND	(73) Audi AG	(51) B62J 9/14
FREIGHT TRAIN	(72) KOPP, Andreas	B62J 35/00
(73) CRRRC Shandong Co., Ltd.	(31) 102019211953	(11) EP4212419
(72) LIU, Yinhua	(32) 08.08.2019	(21) EP22212498.4
ZHAI, Pengjun	(33) Germany	(47) 19.06.2024
DUAN, Yuanyong	(51) B62D 21/11	(22) 09.12.2022
(51) B61F 5/38	B62D 25/08	(54) STRADDLED VEHICLE
(11) EP3529121	(11) EP3883841	(73) Yamaha Hatsudoki Kabushiki Kaisha
(21) EP17816478.6	(21) EP19786951.4	(72) Shimizu, Kenta
(47) 19.06.2024	(47) 19.06.2024	Nguyenvan, Phu
(87) EP2017080027	(87) EP2019077554	Fujiwara, Yu
31.05.2018	28.05.2020	(31) 2022155255
(22) 22.11.2017	(22) 11.10.2019	2022003972
(54) WHEEL CONTROL ASSEMBLY FOR A	(54) FRONT-END STRUCTURE ASSEMBLY	(32) 28.09.2022
BOGIE	FOR A MOTOR VEHICLE BODY SHELL	13.01.2022
(73) Siemens Mobility Austria GmbH	(73) Mercedes-Benz Group AG	(33) Japan
(72) HOFFMANN, Thilo	(72) CARL, Michael	Japan
TEICHMANN, Martin	(31) 102018009196	(51) B62J 27/00
KIENBERGER, Andreas	(32) 22.11.2018	B62J 45/415
(31) 510662016	(33) Germany	B62J 50/21
(32) 24.11.2016	(51) B62D 21/17	B60T 7/22
(33) Austria	B62D 25/20	(11) EP3730392
(51) B61H 5/00	B60H 1/00	(21) EP20164781.5
F16D 65/097	(11) EP4163188	(47) 19.06.2024
F16D 69/04	(21) EP22194492.9	(22) 23.03.2020
F16D 55/224	(47) 19.06.2024	(54) METHOD FOR WARNING A DRIVER
(11) EP3760509	(22) 08.09.2022	OF A MOTORCYCLE AS WELL AS
(21) EP20183750.7	(54) VEHICLE-BODY	RIDE ASSISTANT CONTROLLER AND
(47) 19.06.2024	(73) MAZDA MOTOR CORPORATION	MOTORCYCLE IMPLEMENTING SUCH
(22) 02.07.2020	(72) Inami, Takuma	METHOD

(73) Robert Bosch GmbH	(54) WATERCRAFT WITH A MODULAR TRANSMITTING AND RECEIVING TOWER	(22) 21.06.2021
(72) Oshida, Yuki		(54) TRANSPORT BOX FOR LAUNCHING OF A WATERCRAFT
(31) 19170971		(73) thyssenkrupp AG
(32) 25.04.2019	(73) thyssenkrupp AG	ATLAS ELEKTRONIK GmbH
(33) European Patent Office (EPO)	thyssenkrupp Marine Systems GmbH	(72) SACKMANN, Malte
(51) B63B 1/28	(72) ZIELSKE, Alexander	RÜHLE, Christian
(11) EP3889027	BUES, Ronja	(31) 102020208327
(21) EP21166227.5	OESMANN, Hans	(32) 02.07.2020
(47) 19.06.2024	HALFMANN, Sebastian	(33) Germany
(22) 31.03.2021	(31) 102018216905	
(54) HYDROFOIL FOR TRANSPORT OVER WATER AND MOVEMENT APPARATUS FOR APPENDAGES OF A HYDROFOIL	(32) 02.10.2018	(51) B63B 27/36
	(33) Germany	B66C 1/00
(73) Inesse Corporation Ltd	(51) B63B 21/00	(11) EP3632788
(72) NERI, Tiziano	(11) EP4046902	(21) EP19200205.3
NISINI, Eugenio	(21) EP22157334.8	(47) 19.06.2024
(31) 202000006796	(47) 19.06.2024	(22) 27.09.2019
(32) 31.03.2020	(22) 17.02.2022	(54) HANDLING SYSTEM, ASSOCIATED FLOATING SUPPORT, NAVAL PLATFORM AND HANDLING METHOD
(33) Italy	(54) A MOORING ASSISTANCE DEVICE	
(51) B63B 1/38	(73) Moorsimply S.r.l.	(73) Naval Group
(11) EP3489124	(72) SCOZZARI, ENRICO	(31) 1801032
(21) EP17831336.7	(31) 202100011906	(32) 02.10.2018
(47) 19.06.2024	202100000833 U	(33) France
(87) KR2017007754	(32) 10.05.2021	
25.01.2018	18.02.2021	(51) B63B 35/28
(22) 19.07.2017	(33) Italy	F03B 13/08
(54) FRICTION REDUCING DEVICE AND SHIP COMPRISING SAME	Italy	F03B 13/10
	(51) B63B 27/14	F03B 17/06
(73) Hyundai Heavy Industries Co., Ltd.	E06C 7/18	B63B 35/44
(72) HAN, Sang-Ho	(11) EP4112438	(11) EP4184002
KIM, Chang-Hyeon	(21) EP22182016.0	(21) EP21208752.2
(31) 20160091688	(47) 19.06.2024	(47) 19.06.2024
20160091686	(22) 29.06.2022	(22) 17.11.2021
20160091684	(54) EXTENSIBLE LADDER AND BOAT COMPRISING SAID EXTENSIBLE LADDER	(54) HYDROPOWER BARGE
20160091683		(73) Romney Hydropower Company Limited
20160091679	(73) New Glass Composites S.r.l.	(72) DECHAMBEAU, David
20160091659	(72) BRANCA, Alfonso	(51) B63B 59/02
20160091652	(31) 202100017288	E02B 3/24
20160091637	(32) 30.06.2021	B63B 21/02
20160091620	(33) Italy	(11) EP4056463
(32) 19.07.2016	(51) B63B 27/24	(21) EP21161959.8
19.07.2016	B63B 27/34	(47) 19.06.2024
19.07.2016	B67D 9/00	(22) 11.03.2021
19.07.2016	(11) EP3678930	(54) A MOORING DEVICE AND A METHOD FOR OPERATING A MOORING DEVICE
19.07.2016	(21) EP18773099.9	(73) 3MAR Oy
19.07.2016	(47) 19.06.2024	(72) Immonen, Pauli
19.07.2016	(87) EP2018074008	(51) B63C 11/22
19.07.2016	14.03.2019	A45F 3/10
19.07.2016	(22) 06.09.2018	(11) EP4023543
(33) Korea (Republic)	(54) TIE-IN SYSTEM AND FLUID TRANSFER SYSTEM COMPRISING SUCH A TIE-IN SYSTEM	(21) EP22158280.2
Korea (Republic)		(47) 19.06.2024
Korea (Republic)	(73) Connect LNG AS	(22) 20.09.2017
Korea (Republic)	(72) EIKENS, Magnus	(54) BACK PACK FOR UNDERWATER BREATHING TANK
Korea (Republic)	HOLLAND, John Randolph	(73) Johnson Outdoors Inc.
Korea (Republic)	DANIELSEN, Bjørnar	(72) Belloni, Alberto
Korea (Republic)	MAGNUSSON, Stian Tunestveit	Cominetti, Corrado
Korea (Republic)	(31) 20171442	Stella, Joseph B.
(51) B63B 3/08	(32) 06.09.2017	Lally, Bradley E.
B63B 15/00	(33) Norway	(31) 201615273238
B63B 45/00	(51) B63B 27/36	(32) 22.09.2016
H01Q 1/12	B63B 27/16	(33) United States of America
(11) EP3860906	B63C 3/12	(51) B63H 8/12
(21) EP19778981.1	(11) EP4100312	(11) EP4023546
(47) 19.06.2024	(21) EP21736544.4	(21) EP21216061.8
(87) EP2019075983	(47) 19.06.2024	(47) 19.06.2024
09.04.2020	(87) EP2021066810	(22) 20.12.2021
(22) 26.09.2019	06.01.2022	

(54) WING RIG	VELEZ DE MENDIZABAL ALONSO, Iker	(72) GENTRY, Nicholas Kristofer
(73) Boards & More GmbH	MARTINO-GONZALEZ, Esteban	(31) 201514661955
(72) Pajank, Max	VOTSIOS, Vasilis	(32) 18.03.2015
(31) 102021112724	HERNANZ-MANRIQUE, Jose Angel	(33) United States of America
102021102140	MATESANZ HIDALGO, David	(51) B64D 11/00
102020135034	NICOLAS GUTIERREZ, Guillermo	B64D 25/00
(32) 17.05.2021	(51) B64C 1/18	B64D 43/00
29.01.2021	B64C 1/20	B64D 45/00
29.12.2020	(11) EP3892534	B64C 27/00
(33) Germany	(21) EP21152907.8	(11) EP3810506
Germany	(47) 19.06.2024	(21) EP19840441.0
Germany	(22) 22.01.2021	(47) 19.06.2024
(51) B63H 25/38	(54) AIRCRAFT PRESSURE DECK	(87) US2019042636
B63H 25/24	(73) The Boeing Company	30.01.2020
(11) EP3995392	(72) Cox, Daniel	(22) 19.07.2019
(21) EP21204000.0	Ingham, Steven D.	(54) EMERGENCY VISION SYSTEM
(47) 19.06.2024	Menanno, Alfons	WITH FIXED AND HAND-HELD
(22) 21.10.2021	Leibov, David H.	ENCLOSURES
(54) RUDDER ROTATION COMMAND	McLaughlin, Mark R.	(73) Werjefelt, Alexander, K.
ASSEMBLY	Sullivan, Kevin L.	Werjefelt, Bertil R.L.
(73) Italian Propellers S.r.l.	Paravata, Soma Gopala Rao	(72) Werjefelt, Bertil R.L.
(72) BELOTTI, Claudio	(31) 202016841947	Werjefelt, Alexander, K.
(31) 202000026422	(32) 07.04.2020	(31) 201862768539 P
(32) 05.11.2020	(33) United States of America	201862702110 P
(33) Italy	(51) B64C 3/18	(32) 16.11.2018
(51) B64B 1/62	B64C 1/06	23.07.2018
G01F 17/00	B64C 3/26	(33) United States of America
(11) EP3966106	B64C 1/12	United States of America
(21) EP20739431.3	(11) EP4177159	(51) B64D 11/04
(47) 19.06.2024	(21) EP22205925.5	B64D 13/06
(87) GB2020051133	(47) 19.06.2024	(11) EP3822165
19.11.2020	(22) 07.11.2022	(21) EP20207307.8
(22) 07.05.2020	(54) PANEL ASSEMBLY	(47) 19.06.2024
(54) AIRCRAFT AND SYSTEMS THEREFOR	(73) Airbus Operations Limited	(22) 12.11.2020
(73) Hybrid Air Vehicles Limited	(72) GAITONDE, John Martin	(54) STANDARD UNIT MEAL BOX
(72) DURHAM, Michael	HEAYSMAN, Chris	COMPARTMENT INCLUDING AIR
MACEY, Paul	(31) 202115993	CHILLER
(31) 201906606	(32) 08.11.2021	(73) B/E Aerospace, Inc.
(32) 10.05.2019	(33) United Kingdom	(72) BURD, Peter J.L.
(33) United Kingdom	(51) B64C 11/06	(31) 201916681179
(51) B64C 1/06	B64C 11/28	(32) 12.11.2019
B64C 1/22	(11) EP4164944	(33) United States of America
B60P 7/08	(21) EP21739163.0	(51) B64D 11/06
B64D 9/00	(47) 19.06.2024	B60N 2/02
(11) EP3883850	(87) FR2021051058	B60N 2/10
(21) EP19886451.4	23.12.2021	B60N 2/34
(47) 19.06.2024	(22) 14.06.2021	B60N 2/64
(87) US2019062708	(54) PROPELLER ASSEMBLY WITH	(11) EP3802320
28.05.2020	FOLDING BLADES AND METHOD FOR	(21) EP18773838.0
(22) 21.11.2019	FOLDING THE BLADES	(47) 19.06.2024
(54) MODULAR CARGO SYSTEMS AND	(73) Safran Helicopter Engines	(87) IB2018056600
METHODS	(72) BESSE, Jean-Louis Robert Guy	05.12.2019
(73) Biosphere Aerospace, LLC	SERGHINE, Camel	(22) 29.08.2018
(72) HELOU, Elie Jr.	(31) 2006281	(54) SEAT ASSEMBLY WITH INDEPENDENT
(31) 201862770318 P	(32) 16.06.2020	SEAT BOTTOM TILT
(32) 21.11.2018	(33) France	(73) Safran Seats USA LLC
(33) United States of America	(51) B64C 25/32	(72) GLAIN, Arthur
(51) B64C 1/14	B64C 39/02	RUIZ LARA, Oscar
B64D 13/00	(11) EP3271245	(31) 201862677950 P
B64D 33/02	(21) EP16712660.6	(32) 30.05.2018
B64D 41/00	(47) 19.06.2024	(33) United States of America
(11) EP3530561	(87) US2016022959	(51) B64D 13/06
(21) EP18382119.8	22.09.2016	B64F 5/60
(47) 19.06.2024	(22) 17.03.2016	F02C 6/08
(22) 27.02.2018	(54) ADJUSTABLE LANDING GEAR	G01M 3/00
(54) AUXETIC BI-STABLE STRUCTURE	ASSEMBLY FOR UNMANNED AERIAL	B64D 41/00
(73) Airbus Operations, S.L.	VEHICLES	(11) EP4257491
(72) SANCHEZ FRANCO, Diego	(73) Amazon Technologies, Inc.	(21) EP23161867.9

(47) 19.06.2024	(73) Airbus Operations Limited	B29C 45/14
(22) 14.03.2023	(72) WEBSTER, Matthew	(11) EP4194351
(54) METHOD FOR MONITORING AIR BLEED DUCTS OF AN AIRCRAFT	CROSS, Matthew	(21) EP21212928.2
(73) AIRBUS OPERATIONS (S.A.S.)	FAY, Andrew	(47) 19.06.2024
(72) DESSERTENNE, Franck	(31) 202017005	(22) 07.12.2021
(31) 2203240	(32) 27.10.2020	(54) METHOD OF MANUFACTURING A TRANSPORT CONTAINER, INJECTION MOULD FOR SUCH A CONTAINER AND TRANSPORT CONTAINER WITH INMOULD FOIL
(32) 08.04.2022	(33) United Kingdom	(73) Oberland M & V GmbH
(33) France	(51) B64F 1/00	(72) GÖTZ, Lisa
(51) B64D 15/00	F02C 7/00	GÖTZ, Kira
B64D 15/12	(11) EP4219318	(51) B65D 5/20
(11) EP3851380	(21) EP23152545.2	B65D 5/54
(21) EP21151181.1	(47) 19.06.2024	B65D 5/66
(47) 19.06.2024	(22) 19.01.2023	B65D 21/02
(22) 12.01.2021	(54) COLLAPSIBLE COVER FOR ENGINE INLET AND METHOD FOR COVERING ENGINE INLET	(11) EP4214132
(54) ROBUST POWER TRANSMISSION	(73) Gulfstream Aerospace Corporation	(21) EP21782587.6
(73) Goodrich Corporation	(72) MARTIN, Andrew	(47) 19.06.2024
(72) GEORGE, Adam	MEDIN, Kristin	(87) IB2021057431
DIDYK, Mark James	BOHANAN, Scott	24.03.2022
(31) 202016742637	(31) 202217648971	(22) 12.08.2021
(32) 14.01.2020	(32) 26.01.2022	(54) MODULAR CONTAINER WITH LID
(33) United States of America	(33) United States of America	(73) Rotondi, Enrico
(51) B64D 27/24	(51) B64F 1/32	(72) Rotondi, Enrico
B64D 27/12	A47G 29/14	(31) 202000022093
B64D 27/02	A47G 29/22	(32) 18.09.2020
(11) EP4155212	B64C 39/02	(33) Italy
(21) EP22192722.1	B64D 1/02	(51) B65D 19/38
(47) 19.06.2024	B64D 1/22	B64D 27/24
(22) 30.08.2022	B66B 9/187	B64U 20/70
(54) AIRCRAFT HYBRID PROPULSION SYSTEM	B66B 9/193	B64U 50/19
(73) Rolls-Royce plc	(11) EP3891072	(11) EP4008646
(72) Britchford, Kevin	(21) EP19832770.2	(21) EP21207894.3
Swann, Peter	(47) 19.06.2024	(47) 19.06.2024
(31) 202113728	(87) US2019064945	(22) 12.11.2021
(32) 27.09.2021	11.06.2020	(54) INTEGRATED BATTERY CARGO PLATFORM AND RELATED METHOD
(33) United Kingdom	(22) 06.12.2019	(73) Textron Innovations Inc.
(51) B64D 31/04	(54) A CONTAINMENT UNIT FOR FACILITATING PARCEL DELIVERY BY UNMANNED TERRESTIAL VEHICLES	(72) LANDRY, Martin
B64D 31/10	(73) United Parcel Service Of America, Inc.	(31) 202017111224
G05D 1/00	(72) GIL, Julio	(32) 03.12.2020
B64D 31/14	(31) 201916704974	(33) United States of America
B64C 13/18	201862776355 P	(51) B65D 23/06
(11) EP3863930	(32) 05.12.2019	B65D 23/04
(21) EP19873958.3	06.12.2018	B65D 1/02
(47) 19.06.2024	(33) United States of America	B29C 49/42
(87) IL2019051065	United States of America	B29C 49/48
23.04.2020	(51) B65C 1/02	B29L 31/00
(22) 26.09.2019	B65C 9/18	(11) EP3877277
(54) SYSTEMS AND METHODS OF CONTROLLING ENGINES OF AN AIRCRAFT	H01B 13/34	(21) EP19882555.6
(73) ISRAEL AEROSPACE INDUSTRIES LTD.	B65C 3/02	(47) 19.06.2024
(72) TAMIR, Alon	B65C 9/00	(87) US2019060235
GROS, Zvi	(11) EP3988461	14.05.2020
(31) 26242618	(21) EP21204190.9	(22) 07.11.2019
(32) 14.10.2018	(47) 19.06.2024	(54) BLOW MOLDED PLASTIC CONTAINER WITH INTEGRATED SPOUT
(33) Israel	(22) 22.10.2021	(73) Graham Packaging Company, L.P.
(51) B64D 45/02	(54) LABEL APPLICATOR	(72) RAPET, Gilles
F16B 19/10	(73) Panduit Corp.	ARCHENY, Armel
F16B 33/00	(72) OBENSHAIN, Marc R.	ARAUJO, David
B64D 37/32	VU, Thuc K.	(31) 201816185708
B64D 37/06	(31) 202117498913	(32) 09.11.2018
(11) EP3992088	202063105497 P	(33) United States of America
(21) EP21192892.4	(32) 12.10.2021	(51) B65D 30/08
(47) 19.06.2024	26.10.2020	B65D 63/10
(22) 24.08.2021	(33) United States of America	B65D 75/58
(54) BLIND FASTENERS	United States of America	
	(51) B65D 1/24	

B65D 30/20	(72) LESKINEN, Pauli	MAGATTI, Marco
(11) EP3472066	BERNREITNER, Klaus	MONIN, Christian
(21) EP17813957.2	WANG, Jingbo	OBLIGER, Nicolas
(47) 19.06.2024	GAHLEITNER, Markus	(31) 20185882
(87) US2017037306	NICOLUSSI, Dieter	(32) 15.07.2020
21.12.2017	(51) B65D 47/32	(33) European Patent Office (EPO)
(22) 13.06.2017	B65D 47/06	(51) B65D 85/816
(54) WOVEN PLASTIC BAG WITH EASY	B67D 7/42	(11) EP4048609
OPEN FEATURE AND METHOD OF	(11) EP3917854	(21) EP20800242.8
MANUFACTURING SUCH A BAG	(21) EP19912774.7	(47) 19.06.2024
(73) Polytex Fibers LLC	(47) 19.06.2024	(87) GB2020052634
(72) ZAROLI, Alberto	(87) CA2019051907	29.04.2021
BAZBAZ, Jacobo	06.08.2020	(22) 21.10.2020
(31) 201715440970	(22) 23.12.2019	(54) CUP AND STACK OF CUPS
201662350127 P	(54) VENTED SPOUT FOR A LIQUID-	(73) Lavazza Professional UK Limited
(32) 23.02.2017	STORAGE CONTAINER	(72) WICKS, David
14.06.2016	(73) LE GROUPE DSD INC.	McCOY, Tony
(33) United States of America	(72) VACHON, Léandre	PALMER, Jason
United States of America	(31) 3032442	NICHOLLS, Darren
(51) B65D 41/18	(32) 01.02.2019	FLETCHER, Paul
B65D 5/74	(33) Canada	LITTEN, Neil
B65D 47/10	(51) B65D 75/58	(31) 201962923844 P
B65D 51/22	B65D 85/10	(32) 21.10.2019
B65D 75/58	(11) EP3994076	(33) United States of America
(11) EP4177181	(21) EP20750724.5	(51) B65G 1/04
(21) EP22203489.4	(47) 19.06.2024	B66C 13/08
(47) 19.06.2024	(87) IB2020056221	B65G 1/06
(22) 25.10.2022	07.01.2021	(11) EP3784605
(54) OPENING DEVICE FOR A PACKAGE	(22) 01.07.2020	(21) EP19706245.8
AND PACKAGE HAVING AN OPENING	(54) A WRAP FOR SMOKING ARTICLES	(47) 19.06.2024
DEVICE	WITH A REUSABLE CLOSING	(87) EP2019052998
(73) Tetra Laval Holdings & Finance S.A.	PORTION	31.10.2019
(72) VERONESI, Livio	(73) G.D SOCIETA' PER AZIONI	(22) 07.02.2019
ZANON, Paolo	(72) POLLONI, Roberto	(54) CONTAINER-HANDLING VEHICLE
DE PAOLA, Rocco	SARTI, Stefano	(73) AUTOSTORE TECHNOLOGY AS
VIETRI, Anna Rosa	FEDERICI, Luca	(72) AUSTRHEIM, Trond
MARTINI, Pietro	SALMI, Stefano	(31) 20180588
(31) 21207094	(31) 201900010518	(32) 25.04.2018
(32) 09.11.2021	(32) 01.07.2019	(33) Norway
(33) European Patent Office (EPO)	(33) Italy	(51) B65G 39/02
(51) B65D 43/16	(51) B65D 85/804	F16C 3/02
B65D 47/08	(11) EP4172069	F16C 13/00
B65D 50/04	(21) EP21734124.7	(11) EP3649068
(11) EP2945875	(47) 19.06.2024	(21) EP19742026.8
(21) EP14700435.2	(87) EP2021066766	(47) 19.06.2024
(47) 19.06.2024	30.12.2021	(87) EP2019069130
(87) EP2014000075	(22) 21.06.2021	23.01.2020
24.07.2014	(54) CAPSULE FOR PRODUCING A	(22) 16.07.2019
(22) 15.01.2014	BEVERAGE WITH FILTER DISC	(54) CONVEYOR ROLLER'S AXIS
(54) CHILDPROOF CONTAINER CLOSURE	(73) Société des Produits Nestlé S.A.	(73) Interroll Holding AG
(73) Sanner GmbH	(72) BEHRMANN, Veith	(72) DOROK, Ralf
(72) SCHNEIDER, Matthias	(31) 20181874	LEMKE, Jörg
TIESBERGER, Kai	(32) 24.06.2020	(31) 102018005700
(31) 102013000483	(33) European Patent Office (EPO)	(32) 19.07.2018
(32) 15.01.2013	(51) B65D 85/804	(33) Germany
(33) Germany	(11) EP4182247	(51) B65G 65/46
(51) B65D 43/16	(21) EP21740562.0	B65D 88/30
C08F 210/06	(47) 19.06.2024	B65D 88/32
C08L 23/14	(87) EP2021069383	B65G 33/12
C08F 4/659	20.01.2022	(11) EP3906208
(11) EP4249388	(22) 13.07.2021	(21) EP20886684.8
(21) EP22163881.0	(54) METHOD FOR MANUFACTURING A	(47) 19.06.2024
(47) 19.06.2024	STRIP OF PACKAGES FOR STORING	(87) US2020059613
(22) 23.03.2022	INDIVIDUAL PORTION OF FOOD	20.05.2021
(54) LIVING HINGE OF AN ALPHA-	OR BEVERAGE, AND STRIP OF	(22) 09.11.2020
NUCLEATED PROPYLENE	PACKAGES THUS OBTAINED	(54) UNLOADING SYSTEM
COPOLYMER	(73) Société des Produits Nestlé S.A.	(73) Laidig Systems, Inc.
(73) Borealis AG	(72) GUILLAUD-BATAILLE, Jean-Christophe	(72) GENOVESE, Michael Ryan

LINDENMAN, Thomas Walter	B66B 5/00	(54) CRANE CONTROL FOR THE
SARELL, Andrew Pierce	(11) EP3747813	AUTOMATIC CONTROL OF CRANE
AMICK, Alan C.	(21) EP19216922.5	ACTUATORS
(31) 201916683601	(47) 19.06.2024	(73) Manitowoc Crane Group France SAS
(32) 14.11.2019	(22) 17.12.2019	(72) REESING, Jann
(33) United States of America	(54) BLUETOOTH COMMUNICATION	(31) 202020104793 U
(51) B65H 27/00	SYSTEM AND METHOD FOR	(32) 19.08.2020
F16C 13/00	WIRELESS COMMUNICATION IN AN	(33) Germany
F16C 3/02	ELEVATOR HOISTWAY	(51) B66C 23/72
(11) EP3519334	(73) Otis Elevator Company	(11) EP3319898
(21) EP17856943.0	(72) HUANG, Wenbo	(21) EP16735995.9
(47) 19.06.2024	WEI, Lieping	(47) 19.06.2024
(87) US2017032128	TANG, XiaoBin	(87) EP2016001162
05.04.2018	(31) 201910480869	12.01.2017
(22) 11.05.2017	(32) 04.06.2019	(22) 06.07.2016
(54) NIP ROLLER AND METHOD OF	(33) China	(54) TOWER CRANE
MANUFACTURING FILM ROLL BODY	(51) B66B 5/00	(73) Liebherr-Werk Biberach GmbH
(73) Toray Industries, Inc.	(11) EP4149873	(72) HERSE, Thomas
(72) NAITO, Nobuhiro	(21) EP21723266.9	(31) 102015008771
ICHINOMIYA, Takashi	(47) 19.06.2024	(32) 06.07.2015
L'HEUREUX, Jeffrey, Stephen	(87) EP2021061902	(33) Germany
TAKASHIMA, Naohiro	18.11.2021	(51) B66F 3/24
(31) 201662401275 P	(22) 05.05.2021	B66F 3/12
(32) 29.09.2016	(54) BRIDGE DEVICE AND METHOD FOR	B66F 3/46
(33) United States of America	ELEVATOR	B60T 17/22
(51) B65H 54/28	(73) INVENTIO AG	F16D 65/00
B65H 54/54	(72) SHINDE, Ulhas	B25B 28/00
B65H 75/24	(31) 20173822	B25B 27/00
(11) EP4253293	(32) 11.05.2020	B60B 29/00
(21) EP23164252.1	(33) European Patent Office (EPO)	(11) EP3762325
(47) 19.06.2024	(51) B66B 23/14	(21) EP19764754.8
(22) 27.03.2023	(11) EP4263411	(47) 19.06.2024
(54) DEVICE FOR GRABBING AND	(21) EP21831238.7	(87) AU2019000031
ROTATING A ROLL CORE	(47) 19.06.2024	12.09.2019
(73) Beta S.r.l.	(87) EP2021083901	(22) 07.03.2019
(72) GARELLA, Valeria	30.06.2022	(54) AN EXPANDABLE DEVICE,
RIVA, Matteo	(22) 02.12.2021	APPARATUS AND ASSEMBLY
(31) 202200006005	(54) RAIL FASTENING DEVICE FOR GUIDE	FOR PUSHING APART OPPOSED
(32) 28.03.2022	RAIL SECTIONS OF AN ESCALATOR	SURFACES
(33) Italy	OR MOVING WALKWAY	(73) WORKPLACE MAINTENANCE
(51) B65H 75/24	(73) INVENTIO AG	SOLUTIONS Pty Ltd
B65H 16/10	(72) PFEILER, Alexander	(72) JAMES, Allan Martin
B65H 18/10	NESZMERAK, Wolfgang	(31) 2018900736
B65H 18/16	(31) 20215863	(32) 07.03.2018
B65H 19/00	(32) 21.12.2020	(33) Australia
B65H 19/10	(33) European Patent Office (EPO)	(51) B66F 9/075
B65H 18/02	(51) B66C 13/48	B62B 3/06
B65H 18/08	B66C 23/02	B66F 9/06
B65H 75/30	B66C 13/46	B66F 9/065
B65H 18/26	(11) EP3925921	(11) EP4140936
B65H 19/22	(21) EP20755678.8	(21) EP22188814.2
(11) EP3887297	(47) 19.06.2024	(47) 19.06.2024
(21) EP19889086.5	(87) JP2020004393	(22) 04.08.2022
(47) 19.06.2024	20.08.2020	(54) JACK LIFT
(87) US2019033071	(22) 05.02.2020	(73) Laudenbach, Franz
04.06.2020	(54) CRANE, AND PATH GENERATION	(72) Laudenbach, Franz
(22) 20.05.2019	SYSTEM FOR CRANE	(31) 202021104180 U
(54) FLEXIBLE DRIVE AND CORE	(73) TADANO LTD.	(32) 05.08.2021
ENGAGEMENT MEMBERS FOR A	(72) YAMAUCHI Hiroshi	(33) Germany
REWINDING MACHINE	(31) 2019024951	(51) B66F 9/24
(73) Paper Converting Machine Company	(32) 14.02.2019	H02J 7/34
(72) TECHLIN, Michael E.	(33) Japan	B66F 9/075
USIMAKI, R. Paul	(51) B66C 13/48	B66F 9/14
(31) PCT/US2018/062462	B66C 23/82	H02J 7/00
(32) 26.11.2018	(11) EP3957595	(11) EP3606864
(33) World Intellectual Property Office (WIPO)	(21) EP21168861.9	(21) EP18720828.5
(51) B66B 1/34	(47) 19.06.2024	(47) 19.06.2024
B66B 1/46	(22) 16.04.2021	(87) US2018026008

11.10.2018	Schlumberger Technology B.V.	(73) Schaefer Kalk GmbH & Co. KG
(22) 04.04.2018	(72) PAVESE, Matteo	(72) VUCAK, Marijan
(54) LINEAR ACTUATOR SYSTEM FOR MOVING TINES OF A WORK VEHICLE	MUSSO, Simone	(31) 16001954
(73) Tyri International, Inc.	LAVAGNA, Luca	(32) 08.09.2016
(72) WADELL, Christian	(51) C01B 32/172	(33) European Patent Office (EPO)
(31) 201815944358	B03B 5/28	(51) C02F 1/00
201762481264 P	B82Y 40/00	(11) EP3592707
(32) 03.04.2018	C01B 32/159	(21) EP18719999.7
04.04.2017	C01B 32/174	(47) 19.06.2024
(33) United States of America	(11) EP3798186	(87) IB2018051474
United States of America	(21) EP19806926.2	13.09.2018
(51) C01B 3/56	(47) 19.06.2024	(22) 07.03.2018
C01B 3/52	(87) JP2019020286	(54) AN INDICATOR FOR FILTERING CARTRIDGE MANAGEMENT OF A FILTERING BOTTLE AND A FILTERING BOTTLE COMPRISING SUCH AN INDICATOR FOR FILTERING CARTRIDGE MANAGEMENT
B01D 53/047	28.11.2019	(73) Formaster S.A.
B01D 53/12	(22) 22.05.2019	(72) BURSZTEIN, Maciej
B01D 53/14	(54) METHOD FOR PRODUCING SEMICONDUCTING SINGLE-WALLED CARBON NANOTUBE DISPERSION	(31) 42076117
B01D 53/18	(73) Kao Corporation	(32) 07.03.2017
B01D 53/32	(72) HIRAISHI Atsushi	(33) Poland
(11) EP2760783	(31) 2018098658	(51) C02F 1/00
(21) EP12837138.2	(32) 23.05.2018	B01D 33/01
(47) 19.06.2024	(33) Japan	B01D 33/42
(87) US2012057594	(51) C01B 39/46	B01D 35/153
04.04.2013	C01B 39/36	(11) EP3927662
(22) 27.09.2012	C01B 39/36	(21) EP20706670.5
(54) SYSTEM AND METHOD FOR SYNGAS CLEAN-UP	C01B 39/02	(47) 19.06.2024
(73) ThermoChem Recovery International, Inc.	C01B 39/26	(87) EP2020054213
(72) FREITAS, Shawn Robert	C01B 39/38	27.08.2020
NEWPORT, Dave G.	C01B 39/42	(22) 18.02.2020
LEO, Daniel Michael	(11) EP2589573	(54) TRANSPORTABLE WATER PURIFICATION DEVICE
BURCIAGA, Daniel A.	(21) EP11800831.7	(73) Trappe, Lars
CHANDRAN, Ravi	(47) 19.06.2024	(72) Trappe, Lars
WHITNEY, Hamilton Sean Michael	(87) JP2011064765	(31) 102019001305
(31) 201161539924 P	05.01.2012	(32) 21.02.2019
(32) 27.09.2011	(22) 28.06.2011	(33) Germany
(33) United States of America	(54) ZEOLITE PRODUCTION METHOD	(51) C02F 1/00
(51) C01B 17/24	(73) Mitsui Mining & Smelting Co., Ltd.	B01D 35/00
C01D 5/08	The University of Tokyo	(11) EP4175913
C01F 11/46	(72) KAMIMURA, Yoshihiro	(21) EP21740245.2
C01G 9/08	OKUBO, Tatsuya	(47) 19.06.2024
(11) EP4204357	SHANMUGAM, Palani Elangovan	(87) IL2021050814
(21) EP21786844.7	ITABASHI, Keiji	06.01.2022
(47) 19.06.2024	(31) 2010151489	(22) 01.07.2021
(87) EP2021077015	2010260929	(54) CARTRIDGE EXTRACTION UNIT FOR WATER PURIFIER
28.04.2022	2011140636	(73) Strauss Water Ltd
(22) 30.09.2021	(32) 01.07.2010	(72) NAHUM, Orly
(54) METHOD FOR PREPARING ZINC SULFIDE	24.11.2010	KRYSTAL, Eyal
(73) Venator Germany GmbH	24.06.2011	ASCHER, Dany
(72) CHMIELEWSKI, Christoph	(33) Japan	BEN BARUCH, Omer
ROHE, Markus	Japan	(31) 27578820
(31) 20203375	Japan	(32) 01.07.2020
(32) 22.10.2020	(51) C01F 11/18	(33) Israel
(33) European Patent Office (EPO)	A61L 27/00	(51) C02F 1/28
(51) C01B 32/05	B01J 2/00	B01D 35/00
(11) EP3490930	C08J 3/12	C02F 5/00
(21) EP16774555.3	C08J 3/20	C02F 5/02
(47) 19.06.2024	C09C 1/00	C02F 1/48
(87) IT2016000181	C09C 1/02	(11) EP3636598
01.02.2018	C08L 67/04	(21) EP17913010.9
(22) 27.07.2016	(11) EP3509994	(47) 19.06.2024
(54) PROCESS FOR THE PRODUCTION OF DISPERSIONS OF THERMALLY OXIDISED CARBON-BASED MATERIALS	(21) EP17771688.3	(87) CN2017087242
(73) Politecnico Di Torino	(47) 19.06.2024	13.12.2018
	(87) EP2017072412	
	15.03.2018	
	(22) 07.09.2017	
	(54) CALCIUM CARBONATE-CONTAINING COMPOSITE POWDER WITH MICROSTRUCTURED PARTICLES	

(22) 06.06.2017	KUHLMAN, Robert	(72) Accinelli, Cesare
(54) LIQUID TREATMENT APPARATUS	ANDERSON, Walter	(31) 201800003842
(73) Canpro Water Treatment Inc.	SMITH, Susan, L.	(32) 21.03.2018
(72) CHAU, Yiu Chau	(31) 201916590065	(33) Italy
(51) C02F 1/46	(32) 01.10.2019	(51) C05F 7/00
(11) EP3894360	(33) United States of America	C05F 9/04
(21) EP19817727.1	(51) C03B 37/012	C02F 11/12
(47) 19.06.2024	C03B 37/027	C02F 11/121
(87) EP2019085153	(11) EP3524580	C04B 18/04
18.06.2020	(21) EP17906812.7	C04B 18/16
(22) 13.12.2019	(47) 19.06.2024	A01G 24/00
(54) WATER TREATMENT APPARATUS	(87) CN2017111853	C04B 33/132
AND METHOD FOR TREATMENT OF	01.11.2018	C04B 18/18
WATER	(22) 20.11.2017	C04B 18/20
(73) ABB Schweiz AG	(54) OPTICAL FIBRE PREFORM FOR	A01G 24/15
(72) WETZEL, Andreas	MANUFACTURING MULTI-LAYER	A01G 24/20
KASSUBEK, Frank	STRUCTURE OPTICAL FIBRE AND	A01G 24/42
GARYFALLOS, Angelos	METHOD FOR MANUFACTURING	C02F 9/00
PANOUSIS, Emmanouil	OPTICAL FIBRE	B09B 1/00
CARSTENSEN, Jan	(73) Fiberhome Telecommunication	C05D 3/02
(31) 18212656	Technologies Co., Ltd	E21C 41/32
(32) 14.12.2018	(72) KE, Yili	C04B 111/00
(33) European Patent Office (EPO)	DU, Cheng	B09B 3/25
(51) C02F 1/48	LUO, Wenyong	B09B 101/50
(11) EP4212484	ZHANG, Jie	B09B 101/60
(21) EP23150858.1	ZHANG, Tao	(11) EP3880377
(47) 19.06.2024	CHEN, Chao	(21) EP19801037.3
(22) 10.01.2023	LEI, Qiong	(47) 19.06.2024
(54) CONTAINER FOR RECEIVING	LI, Wei	(87) EP2019081207
CONTENT TO BE MAGNETIZED	WANG, Bi	22.05.2020
(73) Inrimage	(31) 201710289375	(22) 13.11.2019
(72) WOLOZAN, Stéphane	(32) 27.04.2017	(54) MIXTURE FOR USE AS ARTIFICIAL
PAIN, Xavier	(33) China	SOIL COMPRISING STONE AND/OR
YONNET, Jean-Paul	(51) C03C 17/36	CERAMIC MACHINING SLUDGES,
(31) 2200376	(11) EP4007745	METHOD FOR PREPARATION AND
(32) 17.01.2022	(21) EP20767797.2	USES THEREOF
(33) France	(47) 19.06.2024	(73) Cosentino Research & Development,
(51) C02F 11/10	(87) EP2020074827	S.L.
C10B 53/00	11.03.2021	(72) LÁZARO SUAUI, Roberto
(11) EP4095107	(22) 04.09.2020	SOLÉ BENET, Alberto
(21) EP22175075.5	(54) COATING-REMOVAL DEVICE AND	LUNA RAMOS, Lourdes
(47) 19.06.2024	METHOD FOR REMOVING COATINGS	ARZADUN LARRUCEA, Amaia
(22) 24.05.2022	FROM GLASS PANES, AND METHOD	(31) 18382801
(54) INTEGRATED THERMOCHEMICAL	FOR PRODUCING GLASS PANES FOR	(32) 14.11.2018
PROCESS FOR THE RECOVERY OF	STEPPED-EDGE GLASS, STEPPED-	(33) European Patent Office (EPO)
INORGANIC RAW MATERIALS FROM	EDGE GLASS AND STEPPED-EDGE	(51) C07C 1/04
RESIDUAL MATRICES	GLASS WINDOW AND USE OF THE	B01J 29/50
(73) Consorzio per la Ricerca e la	GLASS PANE FOR AN INSULATING	B01J 29/70
Dimostrazione sulle Energie Rinnovabili	GLAZING UNIT, IN PARTICULAR	B01J 29/85
(72) RIZZO, ANDREA MARIA	FOR STEPPED-EDGE GLASS OF A	B01J 35/00
SALIMBENI, ANDREA	STEPPED-EDGE GLASS WINDOW	(11) EP4172130
(31) 202100013496	(73) HEGLA boraident GmbH & Co. KG	(21) EP21740394.8
(32) 25.05.2021	(72) RAINER, Thomas	(47) 19.06.2024
(33) Italy	(31) 102019213603	(87) US2021038023
(51) C03B 5/44	(32) 06.09.2019	06.01.2022
C03B 5/235	(33) Germany	(22) 18.06.2021
F27D 1/12	(51) C05D 9/02	(54) PROCESSES FOR PREPARING C2 TO
(11) EP4038030	C05F 9/00	C3 HYDROCARBONS
(21) EP20797587.1	C05F 11/08	(73) Dow Global Technologies LLC
(47) 19.06.2024	(11) EP3543224	(72) NIESKENS, Davy, L.S.
(87) US2020053204	(21) EP19164472.3	KIRILIN, Alexey
08.04.2021	(47) 19.06.2024	MILLAR, Dean, M.
(22) 29.09.2020	(22) 21.03.2019	MALEK, Andrzej
(54) COOLING PANEL FOR A MELTER	(54) METHOD FOR THE PREPARATION	POLLEFEYT, Glenn
(73) Owens-Brockway Glass Container Inc.	OF A COMPOSITION FOR THE	DEWILDE, Joseph, F.
(72) RASHLEY, Shane, T.	TREATMENT OF AGRICULTURAL	CHOJECKI, Adam
SOLEY, David	CROPS	(31) 202063045888 P
JIAO, Jian	(73) Consorzio Patata Italiana di Qualita'	(32) 30.06.2020

(33) United States of America	(72) TANG, Weng-Keong	(22) 06.05.2019
(51) C07C 1/04	Wang, Yi-Chi	(54) METHOD FOR ISOLATION OF
C07C 9/02	Shen, Chia-Hui	AN AROMATIC DIANHYDRIDE
C07C 9/14	Chang, Hsin-Wei	AND AROMATIC DIANHYDRIDES
C07C 11/00	(31) 108125835	PREPARED BY THE METHOD
(11) EP3853190	(32) 22.07.2019	(73) SHPP Global Technologies B.V.
(21) EP19725585.4	(33) Taiwan, Chinese Taipei	(72) GAUTAM, Ravi
(47) 19.06.2024	(51) C07C 37/68	PADMANABHAN, Simon
(87) US2019031487	C07C 65/05	PERIYASAMY, Sivakumar
26.03.2020	C07C 39/30	WERLING, Robert
(22) 09.05.2019	C07C 37/64	(31) 18171060
(54) PROCESS FOR PREPARING C2-C5	C07C 37/72	(32) 07.05.2018
HYDROCARBONS USING A HYBRID	C07C 37/78	(33) European Patent Office (EPO)
CATALYST	C07C 37/80	(51) C07C 51/41
(73) Dow Global Technologies LLC	C07C 51/15	C07C 59/72
(72) NIESKENS, Davy L.S.	C07C 51/48	(11) EP3992173
POLLEFEY, Glenn	(11) EP3551601	(21) EP21195495.3
MALEK, Andrzej	(21) EP17878493.0	(47) 19.06.2024
(31) 201862732622 P	(47) 19.06.2024	(22) 08.09.2021
(32) 18.09.2018	(87) US2017064424	(54) TREPASTINIL MONOHYDRATE
(33) United States of America	14.06.2018	CRYSTALS AND METHODS FOR
(51) C07C 1/32	(22) 04.12.2017	PREPARATION THEREOF
C07C 15/14	(54) PROCESSES FOR PURIFICATION,	(73) Chirogate International Inc.
C07C 41/30	RECOVERY, AND CONVERSION	(72) JHENG, Jian-Bang
C07C 43/205	OF CHLOROPHENOL SALTS AND	WEI, Shih-Yi
(11) EP3507263	PREPARATION AND RECOVERY OF	HSIEH, Chun
(21) EP17777413.0	PRODUCTS PREPARED THEREFROM	(31) 202017083673
(47) 19.06.2024	(73) Monsanto Technology LLC	(32) 29.10.2020
(87) US2017048993	(72) BERK, Howard, C.	(33) United States of America
08.03.2018	STROMAN, Amy, E.	(51) C07C 227/42
(22) 29.08.2017	DE KORT, Bruno	C07C 229/52
(54) EFFICIENT CATALYST FOR THE	PARLOW, John, Joseph	(11) EP4031523
FORMATION OF POLYARYL	YANG, Junqiu	(21) EP20768365.7
HYDROCARBONS SUITABLE AS	(31) 201662431205 P	(47) 19.06.2024
PRECURSORS FOR POLYDENTATE	(32) 07.12.2016	(87) EP2020075727
ORGANOPHOSPHORUS CATALYST	(33) United States of America	25.03.2021
LIGANDS	(51) C07C 37/82	(22) 15.09.2020
(73) Eastman Chemical Company	C07C 37/72	(54) SOLIDIFICATION OF HEXYL
(72) DEVON, Thomas, James	C07C 39/23	2-[4-(DIETHYLAMINO)-2-
(31) 201615253316	B01D 11/02	HYDROXYBENZOYL]BENZOATE
(32) 31.08.2016	B01D 15/18	(73) BASF SE
(33) United States of America	B01D 15/26	(72) WLOCH, Sebastian
(51) C07C 5/00	B01D 15/42	GUENTHERBERG, Norbert
(11) EP2183204	(11) EP3896050	GROPP, Stefan
(21) EP08795212.3	(21) EP19896174.0	(31) 19197776
(47) 19.06.2024	(47) 19.06.2024	(32) 17.09.2019
(87) US2008009604	(87) CN2019083401	(33) European Patent Office (EPO)
12.02.2009	18.06.2020	(51) C07C 303/24
(22) 11.08.2008	(22) 19.04.2019	C07C 227/22
(54) THERMAL METHODS FOR TREATING	(54) METHOD FOR PREPARING	C07C 229/08
A METATHESIS FEEDSTOCK	CANNABIDIOL BY MEANS OF	C07C 305/04
(73) Wilmar Trading Pte Ltd	HIGH-SPEED COUNTERCURRENT	(11) EP3908572
(72) KAIDO, Hiroki	CHROMATOGRAPHY SEPARATION	(21) EP19828715.3
UPTAIN, Kevin, D.	AND PURIFICATION	(47) 19.06.2024
TANGER, Charles	(73) Techson Industry Company Limited	(87) EP2019085995
(31) 964186 P	(72) DENG, Qiuyun	16.07.2020
(32) 09.08.2007	(31) 201811534794	(22) 18.12.2019
(33) United States of America	(32) 14.12.2018	(54) PROCESS FOR THE PREPARATION
(51) C07C 29/17	(33) China	OF ORGANOSULFATE SALTS OF
C07C 35/21	(51) C07C 51/06	AMINO ACIDS ESTERS
(11) EP3770141	C07C 63/313	(73) BASF SE
(21) EP20156646.0	C07D 209/48	(72) MARCZEWSKI, Dawid
(47) 19.06.2024	C07D 307/89	EBERT, Sophia
(22) 11.02.2020	(11) EP3790855	LOUGHNANE, Brian Joseph
(54) METHOD FOR PREPARING 2-	(21) EP19724062.5	HUELSKOETTER, Frank
CYCLOHEXYL CYCLOHEXANOL	(47) 19.06.2024	SCIALLA, Stefano
(73) China Petrochemical Development	(87) US2019030810	BOECKH, Dieter
Corporation, Taipei (Taiwan)	14.11.2019	(31) 19150654

(32) 08.01.2019	24.04.2015	(32) 09.07.2020
(33) European Patent Office (EPO)	(33) Japan	(33) United States of America
(51) C07D 209/10	Japan	(51) C07D 243/14
C07D 311/82	(51) C07D 215/54	C07D 267/14
A61K 31/352	C07D 401/04	C07D 401/14
A61K 49/00	C07D 401/14	C07D 405/14
A61P 35/00	C07D 403/04	C07D 409/14
(11) EP3964498	C07D 403/14	C07D 413/04
(21) EP21198593.2	C07D 405/14	C07D 413/10
(47) 19.06.2024	C07D 409/14	C07D 413/14
(22) 19.03.2010	C07D 413/14	C07D 417/14
(54) PSMA-TARGETING COMPOUNDS AND USES THEREOF	C07D 417/04	C07D 471/04
(73) The Johns Hopkins University	C07D 417/14	C07D 487/04
(72) RAY, Sangeeta	A61K 31/4706	C07D 487/22
MEASE, Ronnie C	A61K 31/4709	A61P 29/00
CHEN, Ying	A61P 29/00	A61P 35/00
POMPER, Martin G	A61P 35/00	A61P 35/02
(31) 248934 P	(11) EP4010317	A61P 37/06
248067 P	(21) EP20758402.0	A61K 31/435
16148409 P	(47) 19.06.2024	A61K 31/519
161485 P	(87) US2020044920	A61K 31/5513
(32) 06.10.2009	11.02.2021	(11) EP4067347
02.10.2009	(22) 05.08.2020	(21) EP22152776.5
19.03.2009	(54) BICYCLIC HETEROCYCLIC	(47) 19.06.2024
19.03.2009	COMPOUNDS USEFUL AS IRAK4	(22) 24.05.2017
(33) United States of America	INHIBITORS	(54) HETEROCYCLIC INHIBITORS OF CBP/ EP300 FOR THE TREATMENT OF CANCER
United States of America	(73) Bristol-Myers Squibb Company	(73) Genentech, Inc.
United States of America	(72) SARKUNAM, Kandhasamy	Constellation Pharmaceuticals, Inc.
United States of America	LI, Ling	(72) MAGNUSON, Steven
(51) C07D 213/69	HYNES, John	ROMERO, F. Anthony
A61K 31/4412	NEGASH, Lidet	BRONNER, Sarah
A61K 31/505	AHMAD, Saleem	LAI, Kwong Wah
A61K 31/506	(31) 201962883264 P	CYR, Patrick
A61K 31/53	(32) 06.08.2019	WAI, John
A61K 31/5377	(33) United States of America	TSUI, Vickie Hsiao-Wei
A61P 1/02	(51) C07D 231/44	WANG, Fei
A61P 1/04	C07D 401/04	(31) PCT/CN2016/083124
A61P 1/16	C07D 401/14	(32) 24.05.2016
A61P 1/18	C07D 403/04	(33) World Intellectual Property Office (WIPO)
A61P 3/10	C07D 407/14	(51) C07D 245/04
A61P 9/10	C07D 413/06	A61K 31/395
A61P 11/00	C07D 413/14	A61P 31/04
A61P 11/06	C07D 451/02	(11) EP3377473
A61P 11/08	C07D 487/08	(21) EP16840309.5
A61P 13/00	C07D 491/10	(47) 19.06.2024
A61P 13/08	A61P 9/00	(87) CN2016106598
A61P 13/10	A61P 11/00	26.05.2017
A61P 13/12	A61K 31/4152	(22) 21.11.2016
A61P 17/02	(11) EP4178949	(54) MACROCYCLIC BROAD SPECTRUM ANTIBIOTICS
(11) EP3957627	(21) EP21748757.8	(73) RQX Pharmaceuticals, Inc.
(21) EP21196697.3	(47) 19.06.2024	Genentech, Inc.
(47) 19.06.2024	(87) US2021040793	(72) ROBERTS, Tucker Curran
(22) 22.04.2016	13.01.2022	HANAN, Emily J.
(54) 6-MEMBERED HETEROCYCLIC DERIVATIVE AND PHARMACEUTICAL COMPOSITION COMPRISING SAME	(22) 08.07.2021	SMITH, Peter Andrew
(73) Shionogi & Co., Ltd	(54) PYRAZOLONE FORMYL PEPTIDE 2 RECEPTOR AGONISTS	SCHWARZ, Jacob Bradley
(72) Tanaka, Satoru	(73) Bristol-Myers Squibb Company	CRAWFORD, James John
Kai, Hiroyuki	(72) PI, Zulan	LY, Cuong Q.
Kurose, Noriyuki	WURTZ, Nicholas R.	CHEN, Yongsheng
Ogata, Yuki	VALENTE, Meriah Neissel	HU, Huiyong
Hirai, Keiichiro	SMALLHEER, Joanne M.	KOEHLER, Michael F. T.
Ogawa, Tomoyuki	CLARK, Charles G.	YU, Zhiyong
Fujii, Yasuhiko	KICK, Ellen K.	PARASELLI, Prasuna
(31) 2015127214	SHIRUDE, Pravin Sudhakar	HIGUCHI, Robert I.
2015089431	SESHADRI, Balaji	(31) PCT/CN2016/105042
(32) 25.06.2015	JOHNSON, James A.	PCT/CN2015/095166
	CHATTOPADHYAY, Amit Kumar	
	(31) 202063049831 P	

(32) 08.11.2016	02.12.2021	United States of America
20.11.2015	(22) 26.05.2021	(51) C07F 1/08
(33) World Intellectual Property Office (WIPO)	(54) SALT AND CRYSTAL FORMS OF	H10K 85/30
World Intellectual Property Office (WIPO)	GLP-1R AGONISTS AND USES	H10K 101/10
(51) C07D 401/04	THEREOF	(11) EP3878855
(11) EP4204407	(73) Qilu Regor Therapeutics Inc.	(21) EP21169319.7
(21) EP21769101.3	(72) JIANG, Meng	(47) 19.06.2024
(47) 19.06.2024	CHEN, Beibei	(22) 27.11.2018
(87) EP2021073378	ZHONG, Wenge	(54) CARBENE COMPOUNDS AND
03.03.2022	WEI, Xudong	ORGANIC ELECTROLUMINESCENT
(22) 24.08.2021	(31) PCT/CN2020/092530	DEVICES
(54) PROCESS	(32) 27.05.2020	(73) University of Southern California
(73) Givaudan SA	(33) World Intellectual Property Office (WIPO)	(72) SHI, Shuyang
(72) JOSET, Nathalie	(51) C07D 487/04	DJUROVICH, Peter I.
LOVCHIK, Martin	A61K 31/4196	THOMPSON, Mark E.
GRANIER, Thierry	A61K 31/501	HAMZE, Rasha
(31) 202013383	A61K 31/506	MOON CHUL, Jung
(32) 26.08.2020	A61K 31/46	(31) 201816191604
(33) United Kingdom	A61P 25/28	201862725069 P
(51) C07D 401/12	A61P 27/16	201862721299 P
C07D 207/12	(11) EP3894411	201862652640 P
C07C 309/66	(21) EP19824250.5	201762591406 P
A61K 31/4439	(47) 19.06.2024	(32) 15.11.2018
A61P 35/00	(87) EP2019084538	30.08.2018
A61P 43/00	18.06.2020	22.08.2018
(11) EP3510023	(22) 11.12.2019	04.04.2018
(21) EP17849479.5	(54) 7-PHENOXY-N-(3-	28.11.2017
(47) 19.06.2024	AZABICYCLO[3.2.1]OCTAN-8-YL)-6,7-	(33) United States of America
(87) US2017050332	DIHYDRO-5H-PYRROLO[1,2-B]	United States of America
15.03.2018	[1,2,4]TRIAZOL-2-AMINE DERIVATIVES	United States of America
(22) 06.09.2017	AND RELATED COMPOUNDS AS	United States of America
(54) CRYSTALLINE FORMS OF A LYSYL	GAMMA-SECRETASE MODULATORS	United States of America
OXIDASE-LIKE 2 INHIBITOR AND	FOR THE TREATMENT OF	
METHODS OF MAKING	ALZHEIMER'S DISEASE	(51) C07F 7/18
(73) Pharmakea, Inc.	(73) F. Hoffmann-La Roche AG	C08G 18/48
(72) LONERGAN, David	(72) FREI, Beat	C08G 18/75
ROWBOTTOM, Martin W.	RATNI, Hasane	C08G 18/83
HOLME, Kevin Ross	(31) 18212199	C08G 18/10
(31) 201662384596 P	(32) 13.12.2018	C08G 18/22
(32) 07.09.2016	(33) European Patent Office (EPO)	C08G 18/24
(33) United States of America	(51) C07D 487/04	C09D 175/04
(51) C07D 403/12	A61K 31/519	C08G 18/28
C07D 417/14	A61P 35/00	C08G 18/42
C07D 403/14	(11) EP3538101	C08G 18/44
A61K 31/395	(21) EP17868916.2	C09J 175/04
A61K 31/4015	(47) 19.06.2024	(11) EP3877393
A61K 45/06	(87) US2017061443	(21) EP19818218.0
A61P 35/00	17.05.2018	(47) 19.06.2024
(11) EP3692032	(22) 14.11.2017	(87) FR2019052621
(21) EP17928082.1	(54) INHIBITORS OF CANCER AND/OR	14.05.2020
(47) 19.06.2024	METASTASIS	(22) 06.11.2019
(87) US2017054863	(73) Sanford Burnham Prebys Medical	(54) FUNCTIONALIZED HYDROXYSILANES,
11.04.2019	Discovery Institute	SILYLATED POLYURETHANES, AND
(22) 03.10.2017	Virginia Commonwealth University	COMPOSITIONS COMPRISING SAME
(54) CHEMICAL CONJUGATES OF EVANS	(72) DAS, Swadesh K.	(73) Bostik SA
BLUE DERIVATIVES AND THEIR USE	MENEZES, Mitchell E.	(72) COLIN, Boris
AS RADIOTHERAPY AND IMAGING	WU, Bainan	SIMON, Frédéric
AGENTS	FISHER, Paul B.	FOUQUAY, Stéphane
(73) The U.S.A. as represented by the	WEI, Jun	MICHAUD, Guillaume
Secretary, Department of Health and	DE, Surya K.	(31) 1860358
Human Services	KEGELMAN, Timothy P.	(32) 09.11.2018
(72) JACOBSON WEISS, Orit	PELLECCHIA, Maurizio	(33) France
CHEN, Xiaoyuan	EMDAD, Luni	(51) C07F 15/00
(51) C07D 405/14	(31) 201662424571 P	C07B 37/04
(11) EP4157832	201662421468 P	C07B 43/04
(21) EP21733318.6	(32) 21.11.2016	C07C 17/32
(47) 19.06.2024	14.11.2016	C07C 45/68
(87) US2021034191	(33) United States of America	C07D 213/127
		C07D 213/24

C07D 213/50	C07K 1/14	(54) ANTI-CD79B ANTIBODIES AND IMMUNOCONJUGATES AND METHODS OF USE
C07D 213/56	C07K 1/30	(73) Genentech, Inc.
C07D 215/38	C30B 29/58	(72) CHEN, Yvonne
C07D 295/096	C30B 30/00	ZHENG, Bing
C07D 307/46	C30B 7/00	JUNUTULA, Jagath Reddy
C07D 401/06	(11) EP3960752	POLSON, Andrew
C07D 403/04	(21) EP20796190.5	ELKINS, Kristi
C07D 405/04	(47) 19.06.2024	DORNAN, David
C07D 409/04	(87) JP2020014992	DENNIS, Mark
C07D 471/04	29.10.2020	(31) 173465
(11) EP3845546	(22) 01.04.2020	54709 P
(21) EP21158418.0	(54) BIOPOLYMER CONCENTRATION METHOD, CRYSTALLIZATION METHOD, AND NANOSTRUCTURE SUBSTRATE	32790 P
(47) 19.06.2024	(73) National University Corporation Gunma University	25137 P
(22) 20.03.2015	EEJA Ltd.	PCT/US2008/070088
(54) COMPLEXES	(72) TAKURA, Akihiro	(32) 15.07.2008
(73) Johnson Matthey Public Limited Company	OKUTSU, Tetsuo	20.05.2008
(72) COLACOT, Thomas	ITO, Masahiro	29.02.2008
DEANGELIS, Jon	(31) 2019085309	31.01.2008
CHOW, Ruishan	(32) 26.04.2019	15.07.2008
(31) 201462011168 P	(33) Japan	(33) United States of America
(32) 12.06.2014	(51) C07K 14/50	United States of America
(33) United States of America	A61K 38/18	United States of America
(51) C07J 31/00	A61K 38/00	United States of America
C07J 71/00	A61P 27/02	World Intellectual Property Office (WIPO)
A61K 31/58	A61P 17/02	(51) C07K 16/28
A61P 5/44	(11) EP3666791	A61K 47/68
A61P 11/00	(21) EP19209445.6	A61P 35/00
A61P 11/06	(47) 19.06.2024	(11) EP3350224
A61P 27/02	(22) 24.09.2014	(21) EP16778536.9
A61P 27/04	(54) MODIFIED FIBROBLAST GROWTH FACTORS-1 FOR THE TREATMENT OF OCULAR DISORDERS	(47) 19.06.2024
A61P 27/14	(73) Trefoil Therapeutics, LLC	(87) US2016052496
A61P 29/00	(72) THOMAS, Kenneth, A.	23.03.2017
A61P 37/08	EVELETH, David	(22) 19.09.2016
A61P 43/00	(31) 201361882561 P	(54) MONOCLONAL ANTIBODIES SPECIFIC FOR FIBROBLAST GROWTH FACTOR RECEPTOR 4 (FGFR4) AND METHODS OF THEIR USE
(11) EP3741772	(32) 25.09.2013	(73) The United States of America, as Represented By the Secretary, Department of Health and Human Services
(21) EP20177447.8	(33) United States of America	(72) KHAN, Javed
(47) 19.06.2024	(51) C07K 16/28	ZHU, Zhongyu
(22) 06.05.2013	A61K 39/395	CHI CHEUK, Tai
(54) PREPARATIONS OF HYDROPHOBIC THERAPEUTIC AGENTS, METHODS OF MANUFACTURE AND USE THEREOF	C12N 15/13	DIMITROV, Dimiter, S.
(73) Nicox Ophthalmics, Inc.	A61P 35/00	BASKAR, Sivasubramanian
(72) HAO, Tian	A61K 51/10	ORENTAS, Rimas, J.
CAVANAGH, Thomas	A61K 39/00	(31) 201562221045 P
LELAND, Thomas B.	A61K 38/05	(32) 20.09.2015
THEKKEDATH, Ritesh V.	A61K 45/06	(33) United States of America
BARMAN, Shikha P.	A61K 31/537	(51) C07K 16/28
(31) 201361788519 P	C07K 16/30	A61P 35/00
201361763770 P	G01N 33/574	(11) EP3797121
201313735973	A61K 47/68	(21) EP19737218.8
201261692487 P	A61P 1/04	(47) 19.06.2024
201261657239 P	A61P 1/16	(87) IB2019054186
201261644105 P	A61P 1/18	28.11.2019
(32) 15.03.2013	A61P 3/10	(22) 21.05.2019
12.02.2013	A61P 5/14	(54) ANTIBODIES SPECIFIC FOR CD3 AND USES THEREOF
07.01.2013	A61P 7/00	(73) Pfizer Inc.
23.08.2012	A61P 7/04	(72) TCHISTIAKOVA, Lioudmila Gennadievna
09.06.2012	A61P 7/06	KATRAGADDA, Madan
08.05.2012	(11) EP3269737	JIN, Fang
(33) United States of America	(21) EP17174600.1	APGAR, James Reasoner
United States of America	(47) 19.06.2024	MATHUR, Divya
United States of America	(22) 14.01.2009	
United States of America		
United States of America		
United States of America		
(51) C07K 1/04		

(31) 201962847460 P 201862675562 P	11.08.2015	(54) POLYETHYLENE AND CHLORINATED POLYETHYLENE THEREOF
(32) 14.05.2019 23.05.2018	(33) China China	(73) LG CHEM, LTD.
(33) United States of America United States of America	(51) C08F 2/32 C08F 6/00 C08J 3/24	(72) KIM, Sun Mi PARK, Sunghyun HONG, Bog Ki LEE, Jinseok JEONG, Cheolhwan LEE, Si Jung CHOI, Yi Young
(51) C07K 16/28 C07K 16/00 A61P 35/00	A61F 13/53 A61L 15/24 B01J 20/28 C08K 3/36 C08K 5/06 C08F 120/06 B01J 20/26	(31) 20190163114 20180158329
(11) EP3694882 (21) EP18792827.0 (47) 19.06.2024 (87) US2018055084 18.04.2019	(11) EP3604359 (21) EP18775231.6 (47) 19.06.2024 (87) JP2018012924 04.10.2018	(32) 09.12.2019 10.12.2018
(22) 09.10.2018 (54) ANTI-CD38 ANTIBODIES AND COMBINATIONS WITH ANTI-CD3 AND ANTI-CD28 ANTIBODIES	(21) EP18775231.6 (47) 19.06.2024 (87) JP2018012924 04.10.2018	(33) Korea (Republic) Korea (Republic)
(73) Sanofi (72) DABDOUBI, Tarik NABEL, Gary PRADES, Catherine XU, Ling CAMERON, Béatrice WEI, Ronnie SEUNG, Edward LEMOINE, Cendrine WU, Lan YANG, Zhi-Yong	(22) 28.03.2018 (54) WATER-ABSORBENT RESIN PARTICLES (73) Sumitomo Seika Chemicals Co., Ltd. (72) TANIGUCHI, Misaki YOKOYAMA, Hideki YABUGUCHI, Hiroki	(51) C08F 214/26 B01D 69/02 B01D 71/32 B01D 71/34 B01D 71/44 C08F 214/28 C08F 226/10 C09D 5/16
(31) 201862676221 P 201762570660 P 201762570655 P 18187186	(31) 2017070943 (32) 31.03.2017 (33) Japan	(11) EP3252086 (21) EP16752592.2 (47) 19.06.2024 (87) JP2016054907 25.08.2016
(32) 24.05.2018 11.10.2017 10.10.2017 03.08.2018	(51) C08F 6/00 C08F 6/10 C08F 2/01 B01D 3/00 B01D 1/00 C08F 236/10	(2) 19.02.2016 (54) COPOLYMER, HYDROPHILIZING AGENT, COMPOSITION CONTAINING HYDROPHILIZING AGENT, AND POROUS POLYMER FILM
(33) United States of America United States of America United States of America European Patent Office (EPO)	(11) EP3971221 (21) EP21749762.7 (47) 19.06.2024 (87) KR2021000603 27.01.2022 (22) 15.01.2021 (54) METHOD AND APPARATUS FOR RECOVERING SOLVENT	(73) Daikin Industries, Ltd. (72) KANBARA, Tadashi OHMUKAI, Yoshikage TANAKA, Yoshito MIKI, Jun MOHRI, Haruhiko SHIOTANI, Yuko
(51) C07K 19/00 C07K 14/725 C07K 16/28 C07K 16/30 C12N 15/62 C12N 15/63 C12N 5/10 A61P 35/00	(73) LG CHEM, LTD. (72) LYU, Byeong Gil LEE, Se Kyung OH, Suk Yung SHIN, Joon Ho KIM, Kwan Sik KO, Jun Seok	(31) 2015121324 2015031982 (32) 16.06.2015 20.02.2015 (33) Japan Japan
(11) EP4063397 (21) EP22168161.2 (47) 19.06.2024 (22) 10.08.2016	(31) 20200183357 20200091151 (32) 24.12.2020 22.07.2020	(51) C08F 283/00 C08F 2/44 C08G 65/331 C08L 51/08 C09D 5/16 C09D 171/00
(54) CHIMERIC ANTIGEN RECEPTORS BASED ON SINGLE-DOMAIN ANTIBODIES AND METHODS OF USE THEREOF	(33) Korea (Republic) Korea (Republic)	(11) EP3459980 (21) EP17799529.7 (47) 19.06.2024 (87) JP2017018937 23.11.2017
(73) Legend Biotech Ireland Limited (72) ZHUANG, Qiuchuan WANG, Pingyan YANG, Lei CHOU, Chuan-Chu WANG, Lin HAO, Jiaying FAN, Xiaohu	(51) C08F 110/02 C08F 8/22 C08F 4/6592 C08F 4/659 C08F 2/38 C08L 27/06 C08L 23/28	(22) 19.05.2017 (54) FLUORINE-CONTAINING COPOLYMER (73) Osaka University Daikin Industries, Ltd. (72) ADACHI, Kenji SHIBUTANI, Shouta AOSHIMA, Sadahito
(31) 201510733585 201510490002 (32) 02.11.2015	(11) EP3778664 (21) EP19895368.9 (47) 19.06.2024 (87) KR2019017400 18.06.2020 (22) 10.12.2019	(31) 2016100767 (32) 19.05.2016 (33) Japan

(51) C08F 290/06 C08F 299/08 C08G 77/20 C08G 77/38 C08G 77/46 C08L 83/04	(21) EP13794242.1 (47) 19.06.2024 (87) CN2013074547 28.11.2013 (22) 23.04.2013 (54) POLYURETHANE GROUT COMPOSITIONS	LUDEWIG, Michael WAGNER, Roland TOMCZYK, Christoph (31) 17179206 (32) 30.06.2017 (33) European Patent Office (EPO)
(11) EP4019562 (21) EP20854216.7 (47) 19.06.2024 (87) JP2020030674 25.02.2021 (22) 12.08.2020 (54) SILICONE AND METHOD FOR PRODUCING SAME	(73) Huntsman International LLC (72) WU, Xiaodong PENG, Zhi DAI, Yueping (31) 201210165791 (32) 25.05.2012 (33) China	(51) C08G 18/76 C08G 18/48 C08G 18/18 C08G 18/63 C08G 18/40 C08G 18/32 C08G 18/66 C08G 101/00
(73) Shin-Etsu Chemical Co., Ltd. (72) KUDO Muneo (31) 2020041941 2019151060 (32) 11.03.2020 21.08.2019 (33) Japan Japan	(51) C08G 18/48 C08G 18/76 C08G 18/22 C08G 101/00 C08G 18/18 C08G 18/20 C08G 18/09 (11) EP3841136 (21) EP19749764.7 (47) 19.06.2024 (87) EP2019071592 27.02.2020 (22) 12.08.2019 (54) CATALYST FOR PIR/PUR FOAM PRODUCTION	(11) EP3280754 (21) EP16710446.2 (47) 19.06.2024 (87) EP2016055931 13.10.2016 (22) 18.03.2016 (54) PRODUCTION OF LOW-EMISSION POLYURETHANES
(51) C08G 18/12 C08G 18/28 C08G 18/32 C08G 18/10 C08G 18/66 C09D 175/06 C09D 175/08 C08G 18/42 C08G 18/44 C08G 18/50 C08G 18/75 C08G 18/76 C08G 18/48 C08G 71/04	(11) EP3841136 (21) EP19749764.7 (47) 19.06.2024 (87) EP2019071592 27.02.2020 (22) 12.08.2019 (54) CATALYST FOR PIR/PUR FOAM PRODUCTION	(73) Evonik Operations GmbH (72) GÜNTHER, Thomas VIDAKOVIC, Mladen WETTEY, Collins (31) 15162741 (32) 08.04.2015 (33) European Patent Office (EPO)
(11) EP3854857 (21) EP19881533.4 (47) 19.06.2024 (87) JP2019043210 14.05.2020 (22) 05.11.2019 (54) ORGANIC POLYMER, COMPOSITION CONTAINING SAME AND METHOD FOR PRODUCING SAME	(73) Huntsman International LLC (72) BUONO, Pietro DRIES, Geert Lodewijk HUMBERT, Heiko Heinrich VANDERSTRAETEN, Petra Emma (31) 19173695 19155718 18189859 (32) 10.05.2019 06.02.2019 21.08.2018 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)	(51) C08G 18/76 C08G 18/48 C09K 11/06 (11) EP3913010 (21) EP21175421.3 (47) 19.06.2024 (22) 21.05.2021 (54) SIMPLIFIED METHOD FOR POLYURETHANE SYNTHESIS CONTROL BASED ON THE USE OF FLUORESCENT PROBES
(73) DIC Corporation (72) SATAKE, Naoto NAGAHAMA, Sadamu (31) 2018208908 (32) 06.11.2018 (33) Japan	(31) 19173695 19155718 18189859 (32) 10.05.2019 06.02.2019 21.08.2018 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)	(73) Università di Pisa (72) IASILLI, Giuseppe RUGGERI, Giacomo MINEI, Pierpaolo PUCCI, Andrea (31) 202000011911 (32) 21.05.2020 (33) Italy
(51) C08G 18/38 C08G 18/12 C08G 77/14 C08G 18/76 C08G 18/28 C08G 18/40 C09J 175/04 C08G 101/00 C08G 18/42 C08G 18/48 C08G 18/36 C08G 18/58 C08G 18/66 C08G 18/83 C08L 83/08 C08G 77/26 (11) EP2855550	(51) C08G 18/67 C08G 18/81 C08G 18/24 G03F 7/00 B33Y 70/00 B29C 64/124 B32B 27/40 C07C 269/02 C08G 18/73 C08G 18/79 (11) EP3645598 (21) EP18733881.9 (47) 19.06.2024 (87) EP2018067557 03.01.2019 (22) 29.06.2018 (54) ADDITIVE MANUFACTURING METHOD COMPRISING A THERMOPLASTIC STRUCTURAL MATERIAL WHICH IS CROSSLINKABLE WITH RADICALS	(73) Universit� di Pisa (72) IASILLI, Giuseppe RUGGERI, Giacomo MINEI, Pierpaolo PUCCI, Andrea (31) 202000011911 (32) 21.05.2020 (33) Italy (51) C08G 59/00 (11) EP3844202 (21) EP19748610.3 (47) 19.06.2024 (87) US2019036236 05.03.2020 (22) 10.06.2019 (54) EPOXY COMPOSITE FORMULATION (73) Dow Global Technologies, LLC (72) CHAUDHARY, Amit K. REESE, Jason A. BALIJEPALLI, Bharati (31) 201862725393 P (32) 31.08.2018 (33) United States of America
	(73) Stratasys, Inc. (72) STEMPFLE, Florian, Johannes ACHTEN, Dirk BÜSGEN, Thomas FÄCKE, Thomas	(51) C08G 65/00 (11) EP4122971 (21) EP21187474.8 (47) 19.06.2024 (22) 23.07.2021

(54) COPOLYMERISATION OF ALDEHYDES AND VINYL ETHERS	C08L 79/00 C08L 61/22	C08L 83/04 C08L 83/06 C08L 83/08
(73) BASF SE	(11) EP3116935	(11) EP4132994
(72) CSIHONY, Szilard	(21) EP15760804.3	(21) EP21716416.9
VANDERMEULEN, Guido	(47) 19.06.2024	(47) 19.06.2024
LEDERHOSE, Paul	(87) US2015020292	(87) EP2021058789
(51) C08G 65/325	17.09.2015	(87) EP2021058789
C07K 14/62	(22) 12.03.2015	14.10.2021
A61K 47/54	(54) NOVEL COVALENTLY CROSS-	(22) 02.04.2021
A61K 47/60	LINKED MALLEABLE POLYMERS AND	(54) SILICONE-BASED THERMOPLASTIC
A61K 47/68	METHODS OF USE	MATERIALS FOR 3D-PRINTING
(11) EP3689942	(73) The Regents of the University of	(73) Setup Performance SAS
(21) EP18860767.5	Colorado, a body corporate	(72) ROCHETTE, Jean
(47) 19.06.2024	(72) TAYNTON, Philip	DEME, Florian A.
(87) KR2018011626	ZHANG, Wei	MAULET, Thomas B.
04.04.2019	(31) 201461951613 P	GIMENEZ, Jérôme
(22) 01.10.2018	(32) 12.03.2014	(31) 20315123
(54) PROTEIN COMPLEX COMPRISING	(33) United States of America	(32) 06.04.2020
NON-PEPTIDYL POLYMER-COUPLED	(51) C08G 77/08	(33) European Patent Office (EPO)
FATTY ACID DERIVATIVE COMPOUND	C08G 77/04	(51) C08H 7/00
AS LINKER AND PREPARATION	C08G 77/12	C08L 97/00
METHOD THEREFOR	C08G 77/18	A24B 15/24
(73) Hanmi Pharm. Co., Ltd.	C08L 83/04	(11) EP3027679
(72) LEE, Jong Min	(11) EP3645608	(21) EP14833061.6
PARK, Su Yeon	(21) EP18743641.5	(47) 19.06.2024
LEE, Jong-Soo	(47) 19.06.2024	(87) US2014049039
KIM, Dae Jin	(87) US2018039380	05.02.2015
SONG, Ji Young	03.01.2019	(22) 31.07.2014
KIM, Eun Jung	(22) 26.06.2018	(54) PROCESS FOR PRODUCING LIGNIN
(31) 20170127790	(54) METHOD FOR HYDROSILYLATION	FROM TOBACCO
(32) 29.09.2017	OF ALIPHATICALLY UNSATURATED	(73) R. J. Reynolds Tobacco Company
(33) Korea (Republic)	ALKOXY SILANES AND	American Science and Technology
(51) C08G 65/48	HYDROGEN TERMINATED	(72) ZOBOROWSKI, Edwin
C08G 77/46	ORGANOSILOXANE OLIGOMERS	GUENTHER, John
C08L 71/12	TO PREPARE ALKOXY-SILYL	MANESH, Mohammad Ali
(11) EP3885393	TERMINATED POLYMERS	FAY III, James E.
(21) EP20165893.7	USEFUL FOR FUNCTIONALIZING	DUBE, Michael Francis
(47) 19.06.2024	POLYORGANOSILOXANES USING A	(31) 201414339094
(22) 26.03.2020	COBALT CATALYST	201361861740 P
(54) MODIFIED POLY(PHENYLENE ETHER)	(73) Dow Silicones Corporation	(32) 23.07.2014
COPOLYMERS, COMPOSITIONS, AND	(72) ZHOU, Xiaoyuan	02.08.2013
METHODS THEREOF	GOHNDRONE, John	(33) United States of America
(73) SHPP Global Technologies B.V.	OLSEN, Matthew	United States of America
(72) Banach, Timothy Edward	MARCHAND, Christine	(51) C08J 9/10
(51) C08G 73/06	JOHNSON, William	C08J 9/12
C08L 75/04	(31) 201762524639 P	C08J 9/00
C08L 79/04	(32) 26.06.2017	C08L 23/06
(11) EP4291599	(33) United States of America	C08L 27/18
(21) EP22724947.1	(51) C08G 77/18	C08K 5/16
(47) 19.06.2024	C08K 3/08	H01B 3/44
(87) TR2022050136	C08G 77/00	H01B 7/02
25.08.2022	(11) EP4013800	(11) EP3224311
(22) 16.02.2022	(21) EP20938522.8	(21) EP14906738.1
(54) A POLYMERIC HYBRID MATERIAL	(47) 19.06.2024	(47) 19.06.2024
WITH PHOTOTHERMAL PROPERTIES	(87) CN2020124320	(87) CN2014092557
AND PRODUCTION METHOD	05.05.2022	02.06.2016
THEREOF	(22) 28.10.2020	(22) 28.11.2014
(73) Sabanci Üniversitesi Nanoteknoloji	(54) TRIALKOXY FUNCTIONAL BRANCHED	(54) PROCESS FOR FOAMING
Arastirma Ve Uygulama Merkezi Sunum	SILOXANE COMPOSITIONS	POLYOLEFIN COMPOSITIONS
Sabanci Üniversitesi	(73) Dow Silicones Corporation	USING A FLUORORESIN/
(72) ERDINC TAS, Cuneyt	(72) WEI, Peng	AZODICARBONAMIDE MIXTURE AS A
UNAL, Serkan	BHAGWAGAR, Dorab	NUCLEATING AGENT
UNAL, Hayriye	LI, Zhanjie	(73) Dow Global Technologies LLC
(31) 202102506	GE, Qianqing	(72) SUN, Gangwei
(32) 22.02.2021	ZHENG, Yan	ESSEGHIR, Mohamed
(33) Türkiye	(51) C08G 77/44	KMIEC, Chester J.
(51) C08G 73/10	C08G 77/452	(51) C08L 23/08
C08G 12/10	C08G 77/458	C08F 2/00

C08F 210/16	201862777871 P	(72) OISHI, Kazuhiro
(11) EP4157935	201862777876 P	(31) 2017081910
(21) EP21739192.9	201862777865 P	(32) 18.04.2017
(47) 19.06.2024	(32) 17.10.2019	(33) Japan
(87) US2021033521	16.09.2019	<hr/>
02.12.2021	11.12.2018	(51) C08L 83/08
(22) 21.05.2021	11.12.2018	C09D 183/08
(54) POLYMER FORMULATIONS AND	11.12.2018	C09J 183/08
IRRIGATION TUBING INCLUDING	11.12.2018	(11) EP4186947
POLYMER FORMULATIONS	(33) United States of America	(21) EP21210665.2
(73) Dow Global Technologies LLC	United States of America	(47) 19.06.2024
PBBPolisur S.r.l.	United States of America	(22) 26.11.2021
(72) LUTKENHAUS, Davidson	United States of America	(54) POLYORGANOSILOXANE HAVING
LAPORTA, Marcela E.	United States of America	HETEROATOM-CONTAINING SILYL
GOMES, Jorge C.	United States of America	GROUP
BARBOSA, Felipe D.	<hr/>	(73) Henkel AG & Co. KGaA
MAZZOLA, Nicolas C.	(51) C08L 69/00	(72) SCHAFFHAUSEN, Niklas
(31) 202063030471 P	G06F 3/041	ZHAO, Ligang
(32) 27.05.2020	C08J 5/18	MEJIA, Esteban
(33) United States of America	(11) EP3922676	GUTACKER, Andrea
<hr/>	(21) EP20752018.0	LANAU, Sebastien
(51) C08L 27/18	(47) 19.06.2024	DUNEKAKE, Ralf
C08L 101/12	(87) JP2020004021	<hr/>
C08K 3/10	13.08.2020	(51) C08L 91/00
C08K 3/14	(22) 04.02.2020	C09D 191/00
C08L 27/12	(54) RESIN COMPOSITION AND FORMED	A01N 65/00
C08K 3/16	ARTICLE	B41M 1/06
C08K 3/30	(73) MITSUBISHI GAS CHEMICAL	C09D 11/12
(11) EP3674365	COMPANY, INC.	C09D 175/04
(21) EP18867356.0	(72) TOMITA, Keisuke	C10M 105/42
(47) 19.06.2024	(31) 2019019462	C08G 18/42
(87) JP2018038627	(32) 06.02.2019	C08G 18/76
25.04.2019	(33) Japan	C09D 175/06
(22) 17.10.2018	<hr/>	C10M 105/34
(54) CROSSLINKABLE ELASTOMER	(51) C08L 83/04	(11) EP4168490
COMPOSITION AND FLUORORUBBER	(11) EP4169984	(21) EP21732923.4
MOLDED ARTICLE	(21) EP22201262.7	(47) 19.06.2024
(73) Daikin Industries, Ltd.	(47) 19.06.2024	(87) EP2021066663
(72) NOGUCHI, Tsuyoshi	(22) 13.10.2022	30.12.2021
HIRANO, Seiichi	(54) THERMALLY CONDUCTIVE SILICONE	(22) 18.06.2021
(31) 2017201923	COMPOSITION	(54) BIO-BASED ADDITIVES BASED ON
(32) 18.10.2017	(73) SHIN-ETSU CHEMICAL CO., LTD.	MICRONISED RICE BRAN WAXES
(33) Japan	(72) Kitazawa, Keita	(73) Clariant International Ltd
<hr/>	Iwata, Mitsuhiro	(72) KRATZER, Philipp
(51) C08L 67/02	Yamaguchi, Takahiro	WUNDELECHNER, Milena
C08G 63/16	Toya, Wataru	NIEDERLEITNER, Tobias
C08G 63/00	(31) 2021171220	BODENDORFER, Simon
C08G 63/12	(32) 19.10.2021	BROEHMER, Manuel
C08G 63/91	(33) Japan	(31) 20181497
C08K 5/07	<hr/>	(32) 22.06.2020
(11) EP3894475	(51) C08L 83/04	(33) European Patent Office (EPO)
(21) EP19828148.7	C08K 3/04	<hr/>
(47) 19.06.2024	C08K 3/36	(51) C08L 95/00
(87) US2019064893	C08K 5/14	E04D 1/00
18.06.2020	C08L 83/05	(11) EP4031627
(22) 06.12.2019	H01B 3/28	(21) EP20786155.0
(54) ASSEMBLY COMPONENTS	H01B 3/46	(47) 19.06.2024
COMPRISING CURABLE	H02G 15/064	(87) US2020051588
COMPOSITIONS CONTAINING	H02G 15/103	25.03.2021
ACETOACETYLATED RESINS	H02G 15/184	(22) 18.09.2020
(73) Eastman Chemical Company	(11) EP3613808	(54) BIOSOLVENTS USEFUL FOR
(72) DOUGHERTY, Shawn, Marie	(21) EP18788184.2	IMPROVED ASPHALT PRODUCTS
BURK, Christopher, Harlan	(47) 19.06.2024	UTILIZING RECYCLED ASPHALT
BOGGS, Monika Karin, Wiedmann	(87) JP2018005950	PAVEMENT OR OTHER BRITTLE
KUO, Thauming	25.10.2018	ASPHALT BINDERS SUCH AS
COLLINS, Nick, Allen	(22) 20.02.2018	VACUUM TOWER BOTTOM
CARVAGNO, Terri, Roxanne	(54) HIGH DIELECTRIC INSULATING	(73) Iowa State University Research
(31) 201962916503 P	SILICONE RUBBER COMPOSITION	Foundation, Inc.
201962900939 P	AND ELECTRIC FIELD RELAXATION	(72) COCHRAN, Eric, W.
201862777880 P	LAYER	HOHMANN, Austin
	(73) Shin-Etsu Chemical Co., Ltd.	PODOLSKY, Joseph, H.

CHEN, Conglin	HÖRSTING, Ingo	(72) AIZENBERG, Joanna
WILLIAMS, Ronald, Christopher	(31) 102019118429	SUPER, Michael
FORRESTER, Michael	102019110365	WONG, Tak, Sing
LEDTJE, Paul	(32) 08.07.2019	INGBER, Donald, Elliott
HERNANDEZ, Nacu	18.04.2019	HATTON, Benjamin
(31) 202062989419 P	(33) Germany	(31) 201161538100 P
201962901911 P	Germany	201161529734 P
(32) 13.03.2020	(51) C09D 5/00	201161509488 P
18.09.2019	C08L 101/08	201161496883 P
(33) United States of America	C09D 201/00	201161470973 P
United States of America	C08L 79/00	201161466352 P
(51) C08L 101/12	C08G 18/09	201161434217 P
B82Y 5/00	(11) EP3936577	(32) 22.09.2011
C08K 3/04	(21) EP20765511.9	31.08.2011
C08L 71/08	(47) 19.06.2024	19.07.2011
C08L 81/04	(87) JP2020009235	14.06.2011
(11) EP3345972	10.09.2020	01.04.2011
(21) EP16841365.6	(22) 04.03.2020	22.03.2011
(47) 19.06.2024	(54) CROSSLINKING AGENT FOR	19.01.2011
(87) JP2016072247	AQUEOUS RESIN, LIQUID	(33) United States of America
09.03.2017	CONTAINING CROSSLINKING	United States of America
(22) 29.07.2016	AGENT FOR AQUEOUS RESIN, AND	United States of America
(54) RESIN COMPOSITION	AQUEOUS-RESIN COMPOSITION	United States of America
(73) Daicel Corporation	(73) Nisshinbo Chemical Inc.	United States of America
(72) KUME, Atsushi	(72) TSUKAMOTO, Nami	United States of America
ITO, Hisayoshi	(31) 2019039957	United States of America
(31) 2016065891	(32) 05.03.2019	(51) C09D 5/16
2016007949	(33) Japan	B01L 3/00
2015171970	(51) C09D 5/02	B05D 5/08
(32) 29.03.2016	C08F 220/00	A61L 15/24
19.01.2016	(11) EP3956405	A61L 15/34
01.09.2015	(21) EP19924972.3	A61L 15/42
(33) Japan	(47) 19.06.2024	A61L 15/46
Japan	(87) CN2019082904	A61L 27/34
Japan	22.10.2020	A61L 27/28
(51) C09D 1/00	(22) 16.04.2019	A61L 27/50
C09D 5/00	(54) FREEZE-THAW ADDITIVE	A61L 33/00
C09G 1/00	COMPOSITION	A61L 33/06
(11) EP4086312	(73) Dow Global Technologies LLC	F15D 1/02
(21) EP22170427.3	(72) ZHONG, Ling	F15D 1/10
(47) 19.06.2024	Ji, Jing	(11) EP2665782
(22) 28.04.2022	SHEN, Cheng	(21) EP12703922.0
(54) POLISHING COMPOSITION FOR	MU, Jianhai	(47) 19.06.2024
SEMICONDUCTOR PROCESS AND	(51) C09D 5/16	(87) US2012021928
METHOD FOR MANUFACTURING	B01L 3/00	26.07.2012
SEMICONDUCTOR DEVICE BY USING	A61L 15/24	(22) 19.01.2012
THE SAME	A61L 15/34	(54) SLIPPERY SURFACES WITH HIGH
(73) SK enpulse Co., Ltd.	A61L 15/42	PRESSURE STABILITY, OPTICAL
(72) HONG, Seung Chul	A61L 15/46	TRANSPARENCY, AND SELF-HEALING
KWON, Jang Kuk	A61L 27/28	CHARACTERISTICS
PARK, Han Teo	A61L 27/34	(73) President and Fellows of Harvard
HAN, Deok Su	A61L 27/50	College
(31) 20210056409	A61L 33/00	(72) WONG, Tak, Sing
(32) 30.04.2021	A61L 33/06	AIZENBERG, Michael
(33) Korea (Republic)	F15D 1/02	KIM, Philseok
(51) C09D 5/00	F15D 1/10	TANG, Kam, Yan
(11) EP3956403	B05D 5/08	AIZENBERG, Joanna
(21) EP20720802.6	(11) EP2665783	KANG, Sung, Hoon
(47) 19.06.2024	(21) EP12705182.9	(31) 201161538100 P
(87) EP2020060993	(47) 19.06.2024	201161529734 P
22.10.2020	(87) US2012021929	201161509488 P
(22) 20.04.2020	26.07.2012	201161496883 P
(54) GRANULAR MATERIAL AND COATING	(22) 19.01.2012	201161470973 P
MATERIAL PRODUCED THEREFROM	(54) SLIPPERY LIQUID-INFUSED POROUS	201161466352 P
(73) Brillux GmbH & Co. KG	SURFACES AND BIOLOGICAL	201161434217 P
(72) BENDER, Georg, Dr.	APPLICATIONS THEREOF	(32) 22.09.2011
BERG, Jonas	(73) President and Fellows of Harvard	31.08.2011
LEUSMANN, Jan	College	19.07.2011

14.06.2011	(47) 19.06.2024	C07D 251/46
01.04.2011	(87) US2019042902	C07D 251/52
22.03.2011	30.01.2020	C08G 65/333
19.01.2011	(22) 23.07.2019	C09D 5/16
(33) United States of America	(54) FLEXIBLE TRANSPARENT	G02B 1/18
United States of America	INTUMESCENT COATINGS AND	(11) EP3889205
United States of America	COMPOSITES INCORPORATING THE	(21) EP19890177.9
United States of America	SAME	(47) 19.06.2024
United States of America	(73) E Ink Corporation	(87) JP2019046418
United States of America	(72) BLAINE, Thomas S.	04.06.2020
United States of America	KANN, Yelena	(22) 27.11.2019
(51) C09D 5/16	(31) 201862703156 P	(54) POLYETHER GROUP-CONTAINING
B08B 17/00	(32) 25.07.2018	COMPOUND
B05D 3/10	(33) United States of America	(73) DAIKIN INDUSTRIES, LTD.
B05D 5/08	(51) C09D 11/52	(72) YAMASHITA, Tsuneo
A61L 29/08	(11) EP4127084	OZAWA, Kaori
A61L 33/00	(21) EP21716181.9	MITSUHASHI, Hisashi
C09D 201/00	(47) 19.06.2024	NOMURA, Takashi
(11) EP2872572	(87) EP2021058484	(31) 2018225935
(21) EP13739596.8	07.10.2021	(32) 30.11.2018
(47) 19.06.2024	(22) 31.03.2021	(33) Japan
(87) US2013050406	(54) METHOD FOR PREPARING PYRROLE	(51) C09D 181/02
16.01.2014	POLYMERS	C08L 71/08
(22) 12.07.2013	(73) Dover Europe Sàrl	C08L 81/02
(54) SLIPPERY SELF-LUBRICATING	(72) HUDSON, Melissa Dawn Lee	C09D 171/08
POLYMER SURFACES	KARMAN, Marc	C09D 171/02
(73) President and Fellows of Harvard	MARTENS, Paul Xavier	(11) EP3577179
College	NEAGU, Claudiu	(21) EP18748384.7
(72) KIM, Philseok	BODINO, Frederic Jean Alain	(47) 19.06.2024
CUI, Jiayi	(31) 202063002722 P	(87) US2018016016
DUNN, Stuart	(32) 31.03.2020	09.08.2018
AIZENBERG, Joanna	(33) United States of America	(22) 30.01.2018
HATTON, Benjamin	(51) C09D 123/08	(54) MULTI-ARM BLOCK-COPOLYMERS
WONG, Tak, Sing	C08L 23/08	FOR MULTIFUNCTIONAL SELF-
HOWELL, Caitlin	(11) EP3768786	ASSEMBLED SYSTEMS
YAO, Xi	(21) EP19715313.3	(73) The Regents of the University of
AIZENBERG, Michael	(47) 19.06.2024	California
(31) 201361780683 P	(87) US2019022997	(72) SEGURA, Tatiana
201261670756 P	26.09.2019	XI, Weixian
(32) 13.03.2013	(22) 19.03.2019	BERNTHAL, Nicholas
12.07.2012	(54) POLYMERIC COATING	(31) 201762452914 P
(33) United States of America	COMPOSITIONS AND ARTICLES	(32) 31.01.2017
United States of America	COATED WITH THE SAME	(33) United States of America
(51) C09D 5/16	(73) ExxonMobil Chemical Patents Inc.	(51) C09K 5/04
C09D 183/04	(72) VAN DEN BOSSCHE, Linda M.	(11) EP3935123
(11) EP3562893	QUINTIN, Catherine A.V.	(21) EP20716027.6
(21) EP17888670.1	THOPPIL, Joe J.	(47) 19.06.2024
(47) 19.06.2024	(31) 201862645505 P	(87) US2020020737
(87) US2017068497	(32) 20.03.2018	10.09.2020
05.07.2018	(33) United States of America	(22) 03.03.2020
(22) 27.12.2017	(51) C09D 133/02	(54) HEAT TRANSFER COMPOSITIONS
(54) MODIFICATION OF SURFACE	C09D 133/06	COMPRISING R-1225YE(E),
PROPERTIES OF MICROFLUIDIC	(11) EP2782968	HFO-1234YF, R-32 AND R-125
DEVICES	(21) EP12766654.3	(73) The Chemours Company FC, LLC
(73) Bio-Rad Laboratories, Inc.	(47) 19.06.2024	(72) MINOR, Barbara Haviland
(72) XUE, Yi	(87) EP2012069301	(31) 201962813270 P
MELTZER, Robert	04.04.2013	(32) 04.03.2019
RITCHEY, Joshua	(22) 30.09.2012	(33) United States of America
(31) 201662439562 P	(54) AQUEOUS COATING COMPOSITIONS	(51) C09K 8/36
(32) 28.12.2016	(73) ALLNEX AUSTRIA GmbH	C09K 8/62
(33) United States of America	(72) BILLIANI, Johann	C09K 8/68
(51) C09D 5/18	FÜRPASS, Gottfried	F17D 1/17
C09D 201/00	(31) 11183596	(11) EP3341446
C09D 7/40	(32) 30.09.2011	(21) EP16840094.3
C08K 5/17	(33) European Patent Office (EPO)	(47) 19.06.2024
C08K 5/3492	(51) C09D 171/00	(87) US2016048591
(11) EP3827055	C08G 65/00	02.03.2017
(21) EP19841726.3	C08G 65/336	(22) 25.08.2016

(54) DILUTED CATIONIC FRICTION REDUCERS	(72) GUIDUCCI, Aldo	C10N 30/00
(73) Energy Solutions (US) LLC	LAMB, Gordon	C10N 30/06
(72) LOEFFLER, Randy	WEST, Kevin	G01N 15/02
(32) VILLAFANE, Louis	(31) 201501991	C10M 125/02
FREDERICK, Kevin	(32) 06.02.2015	G01N 21/47
SAWANT, Kailas	(33) United Kingdom	G01N 23/201
CHEN, Shih-Ruey	(51) C10M 141/12	(11) EP3971268
(31) 201562210161 P	C10N 10/04	(21) EP20805184.7
(32) 26.08.2015	C10N 20/00	(47) 19.06.2024
(33) United States of America	C10N 30/00	(87) JP2020019104
(51) C09K 11/06	C10N 30/04	19.11.2020
B01J 31/22	C10N 30/10	(22) 13.05.2020
C07F 15/00	C10N 40/12	(54) TESTING METHOD FOR LUBRICATING OIL COMPOSITION AND PRODUCTION METHOD FOR SAID LUBRICATING OIL COMPOSITION
(11) EP3805338	C10N 40/25	(73) Mitsubishi Corporation
(21) EP20191338.1	C10M 133/04	(72) MONDEN, Ryuji
(47) 19.06.2024	C10M 133/16	SAKAGUCHI, Yasuyuki
(22) 18.08.2004	C10M 133/40	KANE, Hitomi
(54) TRANSITION METAL COMPLEXES COMPRISING CARBENE LIGANDS AS EMITTERS FOR ORGANIC LIGHT-EMITTING DIODES (OLEDs)	C10M 133/56	KONDO, Kunio
(73) UDC Ireland Limited	C10M 135/02	(31) 2019092842
(72) BOLD, Markus	C10M 135/06	(32) 16.05.2019
PRINZ, Martina	C10M 135/18	(33) Japan
LENNARTZ, Christian	C10M 135/20	(51) C11D 1/62
SCHMIDT, Hans-Werner	C10M 137/10	C11D 1/72
JOHANNES, Hans-Hermann	C10M 139/00	C11D 1/835
KOWALSKY, Wolfgang	C10M 161/00	C11D 3/22
NEUBER, Christian	C10M 157/10	C11D 3/33
THELAKKAT, Mukundan	C10M 169/04	C11D 3/48
BÄTE, Markus	(11) EP3950896	C11D 17/00
SCHILDKNECHT, Christian	(21) EP20781981.4	(11) EP4244319
(31) 10338550	(47) 19.06.2024	(21) EP21791427.4
(32) 19.08.2003	(87) JP2020014048	(47) 19.06.2024
(33) Germany	08.10.2020	(87) EP2021079349
(51) C10L 1/04	(22) 27.03.2020	19.05.2022
(11) EP3645673	(54) LUBRICATING OIL COMPOSITION	(22) 22.10.2021
(21) EP17742324.1	(73) Idemitsu Kosan Co., Ltd.	(54) AQUEOUS ALKALINE ABRASIVE CLEANING COMPOSITION
(47) 19.06.2024	(72) UTAKA, Toshimasa	(73) Unilever IP Holdings B.V.
(87) US2017039467	(31) 2019069049	(72) BAGGI, Paola
03.01.2019	(32) 29.03.2019	LECCE, Teresa
(22) 27.06.2017	(33) Japan	JAMIESON, Andrew, Stephen
(54) FUEL COMPONENTS FROM HYDROPROCESSED DEASPHALTED OILS	(51) C10M 145/26	LUPI, Laura
(73) ExxonMobil Technology and Engineering Company	C10M 145/28	CROWLEY, Giles, James
(72) FRUCHEY, Kendall, S.	C10M 145/30	(31) 20206582
RUBIN-PITEL, Sheryl B.	C10M 145/32	(32) 10.11.2020
KAR, Kenneth, C.H.	C10M 145/36	(33) European Patent Office (EPO)
(51) C10M 129/02	C10N 20/02	(51) C11D 3/00
C10M 141/08	C10N 20/00	C11D 3/22
C10M 163/00	C10N 30/06	C11D 3/30
C10N 30/06	C10N 30/00	C11D 3/37
C10N 30/12	C10N 40/24	C11D 3/50
C10N 40/25	C10N 40/20	(11) EP4150038
(11) EP3253852	(11) EP4196558	(21) EP21725180.0
(21) EP15813818.0	(21) EP21762692.8	(47) 19.06.2024
(47) 19.06.2024	(47) 19.06.2024	(87) EP2021072781
(87) EP2015080225	(87) EP2021072781	24.02.2022
11.08.2016	(22) 17.08.2021	(47) 19.06.2024
(22) 17.12.2015	(54) COOLING LUBRICANT FOR THE COLD ROLLING OF ALUMINIUM	(87) EP2021062791
(54) USE OF A HYDROCARBYL-SUBSTITUTED SALICYLIC ACID DETERGENT AS AN INHIBITOR OF LEAD CORROSION	(73) Speira GmbH	18.11.2021
(73) Castrol Limited	(72) SEIFERTH, Oliver	(22) 13.05.2021
	SCHMITZ, Volker	(54) LAUNDRY COMPOSITION
	GRAF, Thomas	(73) Unilever IP Holdings B.V.
	DRAESE, Stephan	(72) CASTRO, Thatiana, Guisolphe
	(31) 20191350	FICHE, Arlene
	(32) 17.08.2020	(31) 20174766
	(33) European Patent Office (EPO)	(32) 14.05.2020
	(51) C10M 169/04	(33) European Patent Office (EPO)
	C10N 20/06	(51) C11D 3/00
		C11D 3/22

C11D 17/00	(51) C11D 17/04	(32) 09.04.2015
(11) EP3894531	C11D 3/20	(33) Korea (Republic)
(21) EP18839633.7	C11D 3/37	(51) C12N 5/0775
(47) 19.06.2024	(11) EP3342849	C12N 5/071
(87) RS2018000019	(21) EP17189012.2	(11) EP3677670
18.06.2020	(47) 19.06.2024	(21) EP18851336.0
(22) 10.12.2018	(22) 01.09.2017	(47) 19.06.2024
(54) DYE SCAVENGER AND METHOD OF PRODUCTION OF DYE SCAVENGER	(54) WATER-SOLUBLE UNIT DOSE ARTICLE COMPRISING ETHOXYLATED POLYETHYLENEIMINE	(87) JP2018031537
(73) Lucic Skoric, Marija	(73) The Procter & Gamble Company	07.03.2019
Kalagasidis Krusic, Melina	(72) SOMERVILLE ROBERTS, Nigel Patrick	(22) 27.08.2018
Milosavljevic, Nedeljko	KEULEERS, Robby Renilde Francois	(54) CELL SHEET HAVING FIBROSIS INHIBITORY ACTION
(72) MILOSAVLJEVIC, Nedeljko	BROOKER, Alan Thomas	(73) KanonCure, Inc.
KALAGASIDIS KRUSIC, Melina	URE, Colin	National University Corporation Tottori University
LUCIC SKORIC, Marija	(31) 16207066	(72) KONO, Yohei
(51) C11D 3/34	(32) 28.12.2016	ITABA, Noriko
C11D 3/382	(33) European Patent Office (EPO)	SHIOTA, Goshi
(11) EP4107240	(51) C12G 1/02	(31) 2017168118
(21) EP21705524.3	C12H 1/22	(32) 01.09.2017
(47) 19.06.2024	C12L 11/00	(33) Japan
(87) EP2021053853	(11) EP3971279	(51) C12N 5/0793
26.08.2021	(21) EP21197904.2	C12N 5/079
(22) 17.02.2021	(47) 19.06.2024	C12N 5/071
(54) LIGNIN DERIVATIVE FOR REDUCING DISHWASHER FILM	(22) 21.09.2021	G01N 33/50
(73) Borregaard AS	(54) TANK FOR USE IN WINEMAKING	C12N 5/00
(72) FREDHEIM, Guro Elise	(73) Defranceschi S.r.l.	C12M 1/12
ELLIS, Ross Johannes	(72) GUILLEMAIN, Laurent Jean Paul	C12M 1/42
(31) 20210042	(31) 20200022273	(11) EP3985107
20157790	(32) 22.09.2020	(21) EP21192918.7
(32) 26.11.2020	(33) Italy	(47) 19.06.2024
17.02.2020	(51) C12M 1/12	(22) 31.07.2017
(33) European Patent Office (EPO)	B01D 1/00	(54) BLOOD BRAIN BARRIER MODEL
European Patent Office (EPO)	A61L 2/28	(73) University of Central Lancashire
(51) C11D 3/386	C12Q 1/22	(72) LAWRENCE, Clare
(11) EP3330349	(11) EP3883614	KUMAR, Swati
(21) EP17204729.2	(21) EP19801908.5	ALDER, Jane
(47) 19.06.2024	(47) 19.06.2024	SHAW, Lisa
(22) 30.11.2017	(87) EP2019081714	(31) 201613187
(54) CLEANING COMPOSITIONS INCLUDING ENZYMES	28.05.2020	(32) 29.07.2016
(73) The Procter & Gamble Company	(22) 19.11.2019	(33) United Kingdom
(72) LANT, Neil Joseph	(54) HOLDER FOR USE IN STERILISATION APPLIANCES	(51) C12N 9/04
(31) 16202070	(73) Mesa Laboratories, Inc.	C12P 33/06
(32) 02.12.2016	(72) DENAYER, Iwein	C12P 33/02
(33) European Patent Office (EPO)	(31) 201805808	(11) EP3456820
(51) C11D 3/50	19202884	(21) EP18203708.5
B01J 13/16	(32) 19.11.2018	(47) 19.06.2024
C11D 11/00	13.10.2019	(22) 16.12.2011
(11) EP3601516	(33) Belgium	(54) New 7beta-hydroxysteriod dehydrogenase mutants and method for producing ursodeoxycholic acid
(21) EP18712222.1	European Patent Office (EPO)	(73) PharmaZell GmbH
(47) 19.06.2024	(51) C12M 1/12	(72) BAKONYI, Daniel
(87) EP2018057419	C12Q 1/24	BRESCH, Sven
27.09.2018	G01N 1/40	HUMMEL, Werner
(22) 23.03.2018	C12M 1/00	AIGNER, Arno
(54) SOLID SCENT BOOSTER COMPOSITION	G01N 15/10	BRAUN, Michael
(73) Firmenich SA	(11) EP3282005	WEUSTER-BOTZ, Dirk
(72) ANASTASIOU, Theodore	(21) EP16776947.0	KANTZOW, Christina
NORMAND, Valery	(47) 19.06.2024	SUN, Boqiao
STRUILLLOU, Arnaud	(87) KR2016003781	(31) 10015726
MINCK, Douglas	13.10.2016	(32) 16.12.2010
(31) 201762475958 P	(22) 11.04.2016	(33) European Patent Office (EPO)
17167487	(54) CELL SEPARATION CHIP AND METHOD FOR SEPARATING CELLS BY USING SAME	(51) C12N 9/20
(32) 24.03.2017	(73) Ferramed Inc.	C11D 3/386
21.04.2017	(72) KIM, Seyl	(11) EP3478827
(33) United States of America	(31) 20150050023	(21) EP17735049.3
European Patent Office (EPO)		(47) 19.06.2024

(87) EP2017065705 04.01.2018	01.06.2018	(11) EP3732296
(22) 26.06.2017	(33) China	(21) EP18827082.1
(54) LIPASE VARIANTS AND COMPOSITIONS COMPRISING SURFACTANT AND LIPASE VARIANT	China	(47) 19.06.2024
(73) Novozymes A/S	(51) C12N 15/63	(87) EP2018086202
(72) KAASGAARD, Svend, G.	C12N 15/67	04.07.2019
MALTEN, Marco	(11) EP3684934	(22) 20.12.2018
BORCH, Kim	(21) EP18778820.3	(54) METHOD AND KIT FOR VIRAL VECTOR ISOLATION
VIND, Jesper	(47) 19.06.2024	(73) Global Life Sciences Solutions USA LLC
HANSEN, Carsten, H.	(87) EP2018074559	(72) SMITH, Trevor
(31) 16177097	21.03.2019	(31) 201715855162
(32) 30.06.2016	(22) 12.09.2018	(32) 27.12.2017
(33) European Patent Office (EPO)	(54) IN VIVO RNA OR PROTEIN EXPRESSION USING DOUBLE- STRANDED CONCATEMERIC DNA INCLUDING PHOSPHOROTHIOATED NUCLEOTIDES	(33) United States of America
(51) C12N 15/113	(73) Global Life Sciences Solutions Operations UK Ltd	(51) C12P 5/02
A61K 38/46	(72) DAVIS, Brian, Michael	C12M 1/107
A61K 48/00	GAO, Wei	C12M 1/34
C12N 15/09	NELSON, John, Richard	C12M 1/04
C12N 15/63	(31) 201715707074	C12M 1/12
(11) EP3413908	(32) 18.09.2017	(11) EP4153763
(21) EP17750785.2	(33) United States of America	(21) EP21727142.8
(47) 19.06.2024	(51) C12N 15/68	(47) 19.06.2024
(87) US2017017255	(11) EP3259358	(87) EP2021063433
17.08.2017	(21) EP16710358.9	25.11.2021
(22) 09.02.2017	(47) 19.06.2024	(22) 20.05.2021
(54) METHODS AND COMPOSITIONS FOR MODIFYING A MUTANT DYSTROPHIN GENE IN A CELL'S GENOME	(87) US2016018598	(54) METHOD FOR METHANATION OF HYDROGEN H2 AND CARBON DIOXIDE CO2 OR HYDROGEN H2 AND CARBON MONOXIDE CO FOR THE PRODUCTION OF METHANE CH4
(73) The Regents of the University of California	25.08.2016	(73) Cristal Union
(72) PYLE, April, D.	(22) 19.02.2016	GRTgaz
YOUNG, Courtney, S.	(54) ENHANCED PROTEIN EXPRESSION	Agro Industrie Recherches et Developpements A.R.D.
SPENCER, Melissa, J.	(73) Danisco US Inc.	CentraleSupélec
(31) 201662294090 P	(72) ENGLAND, George	Institut des Sciences et Industries du Vivant Agroparistech
(32) 11.02.2016	DELANGE, Dennis	TMA-Process
(33) United States of America	BONGIORNI, Cristina	(72) BELLOY, Christian
(51) C12N 15/29	KOLKMAN, Marc	CLEMENT, Tiphaine
C07K 14/415	LEEFLANG, Chris	PLANTEGENET, Audrey
C12N 15/82	(31) 201562118382 P	DESCHAMPS, Laure
A01H 5/00	(32) 19.02.2015	IMATOUKENE, Nabila
A01H 6/46	(33) United States of America	FILALI, Rayen
C12Q 1/6895	(51) C12N 15/82	THEOLEYRE, Marc-André
C12N 15/11	C12N 5/10	MERLET, David
(11) EP3805391	C12N 1/13	LEMAIRE, Julien
(21) EP19811581.8	(11) EP3676383	(31) 2005213
(47) 19.06.2024	(21) EP18851398.0	(32) 20.05.2020
(87) CN2019084906	(47) 19.06.2024	(33) France
05.12.2019	(87) US2018049187	(51) C12P 7/6427
(22) 29.04.2019	07.03.2019	C12P 7/6463
(54) USE OF YR4DS GENE OF AEGILOPS TAUSCHII IN STRIPE RUST RESISTANCE BREEDING OF TRITICEAE PLANTS	(22) 31.08.2018	C12P 7/6472
(73) Shandong Agricultural University Sichuan Agricultural University	(54) COMPOSITIONS AND METHODS FOR EXPRESSING TRANSGENES USING REGULATORY ELEMENTS FROM CHLOROPHYLL BINDING AB GENES	C11B 1/06
(72) WU, Jiajie	(73) Corteva Agriscience LLC	C11B 1/02
ZHANG, Huifei	(72) LARSEN, Cory M.	C11B 1/10
NI, Fei	BEVAN, Scott Alan	(11) EP3626806
ZHANG, Chaozhong	ROBINSON, Andrew E.	(21) EP19196586.2
FU, Daolin	YERKES, Carla N.	(47) 19.06.2024
GAO, Ge	SIDORENKO, Lyudmila	(22) 19.12.2014
LIU, Dengcai	ANTHONY, Geny	(54) METHODS OF RECOVERING OIL FROM MICROORGANISMS
HUANG, Lin	(31) 201762552692 P	(73) Mara Renewables Corporation
ZHANG, Lianquan	(32) 31.08.2017	(72) DENNIS, Dorothy A.
(31) 201811424853	(33) United States of America	ARMENTA, Roberto E.
201810555355	(51) C12N 15/86	(31) 201361918886 P
(32) 27.11.2018	C12N 7/00	(32) 20.12.2013
	C12M 3/00	(33) United States of America
	C12M 1/00	(51) C12Q 1/6804

C12Q 1/6841	F27B 1/28	C21D 9/08
(11) EP4320263	(11) EP3950966	C22C 38/00
(21) EP23702910.3	(21) EP20783058.9	C22C 38/38
(47) 19.06.2024	(47) 19.06.2024	C22C 38/32
(87) IB2023050563	(87) JP2020014881	C22C 38/30
03.08.2023	08.10.2020	C22C 38/28
(22) 24.01.2023	(22) 31.03.2020	C22C 38/26
(54) DETECTION OF PROXIMITY ASSAY PRODUCTS IN SITU	(54) BLAST FURNACE ABNORMALITY ASSESSMENT DEVICE, BLAST FURNACE ABNORMALITY ASSESSMENT METHOD, AND BLAST FURNACE OPERATION METHOD	C22C 38/24
(73) MOLECULENT AB		C21D 8/02
(72) ROOS, Fredrik		C22C 38/02
ERICSSON, Olof John		C22C 38/04
(31) 202263303348 P	(73) JFE Steel Corporation	C22C 38/06
(32) 26.01.2022	(72) ITO, Tomohiko	C22C 38/20
(33) United States of America		C22C 38/22
(51) C12Q 1/6869	SHIMAMOTO, Hiroyuki	(11) EP3512967
C12Q 1/6806	YAMAGUCHI, Tatsuya	(21) EP17755153.8
C12N 9/96	NISHIMURA, Nozomu	(47) 19.06.2024
(11) EP3827011	(31) 2019071016	(87) EP2017070777
(21) EP19840255.4	2019071012	22.03.2018
(47) 19.06.2024	(32) 03.04.2019	(22) 16.08.2017
(87) US2019043005	03.04.2019	(54) METHOD FOR PRODUCING A RE-SHAPED COMPONENT FROM A MANGANESE-CONTAINING FLAT STEEL PRODUCT AND SUCH A COMPONENT
30.01.2020	(33) Japan	
(22) 23.07.2019	Japan	(73) Salzgitter Flachstahl GmbH
(54) METHODS AND COMPOSITION FOR TARGETED GENOMIC ANALYSIS	(51) C21B 5/06	(72) KÖHLER, Kai
(73) Salish Bioscience Inc.	C21B 13/00	OTTO, Manuel
(72) RAYMOND, Christopher, K.	(11) EP4172373	EVERTZ, Thomas
(31) 201862702824 P	(21) EP21742048.8	PALZER, Peter
(32) 24.07.2018	(47) 19.06.2024	(31) 102016117507
(33) United States of America	(87) EP2021067704	(32) 16.09.2016
(51) C12Q 1/6886	30.12.2021	(33) Germany
(11) EP4222286	(22) 28.06.2021	
(21) EP21766506.6	(54) A DIRECT REDUCTION SYSTEM AND RELATIVE PROCESS	(51) C21D 8/02
(47) 19.06.2024	(73) Danieli & C. Officine Meccaniche S.p.A.	C23C 2/06
(87) EP2021075086	HYL Technologies, S.A. de C.V.	C21D 9/46
07.04.2022	(72) MARTINEZ MIRAMONTES, Jorge	C22C 38/02
(22) 13.09.2021	Eugenio	C22C 38/50
(54) OUTCOME PREDICTION OF BLADDER OR KIDNEY CANCER	MARTINIS, Alessandro	C22C 38/48
(73) Koninklijke Philips N.V.	FRANCO, Barbara	C22C 38/28
(72) STOFFELS, Monique	(31) 202000015472	C22C 38/26
HOFFMANN, Ralf, Dieter	(32) 26.06.2020	C22C 38/12
(31) 20199659	(33) Italy	C22C 38/58
(32) 01.10.2020	(51) C21B 9/02	C22C 38/06
(33) European Patent Office (EPO)	C21B 9/06	C22C 38/04
(51) C12Q 1/6886	F27B 1/14	C23C 2/28
(11) EP4244394	F27D 1/04	C23C 2/40
(21) EP21843825.7	F28D 17/02	C22C 38/14
(47) 19.06.2024	(11) EP4229224	C23C 2/02
(87) US2021062961	(21) EP21791328.4	C21D 8/04
16.06.2022	(47) 19.06.2024	C22C 38/00
(22) 10.12.2021	(87) EP2021078262	(11) EP3981892
(54) TECHNIQUES FOR IDENTIFYING FOLLICULAR LYMPHOMA TYPES	21.04.2022	(21) EP20848649.8
(73) BostonGene Corporation	(22) 13.10.2021	(47) 19.06.2024
(72) BAGAEV, Alexander	(54) SUPPORT ASSEMBLY IN A HEAT STORAGE DEVICE	(87) JP2020029049
MEERSON, Mark	(73) Paul Wurth Deutschland GmbH	04.02.2021
KUDRYASHOVA, Olga	Paul Wurth S.A.	(22) 29.07.2020
KOTLOV, Nikita	(72) THALER, Stefan	(54) HIGH STRENGTH STEEL SHEET, HIGH STRENGTH MEMBER, AND METHODS FOR MANUFACTURING THE SAME
(31) 202063124617 P	DE GRUITER, Christian	(73) JFE Steel Corporation
(32) 11.12.2020	HUTMACHER, Patrick	(72) ONO, Yoshihiko
(33) United States of America	KAUFMANN, Manuel	HIRASHIMA, Takuya
(51) C21B 5/00	KASS, Gilles	KANEKO, Shinjiro
C21B 7/24	KINZEL, Peter Klaus	HASHIMOTO, Yu
F27D 21/00	(31) PCT/EP2020/078811	(31) 2019140372
G05B 23/02	(32) 13.10.2020	(32) 31.07.2019
C21B 7/00	(33) World Intellectual Property Office (WIPO)	(33) Japan
	(51) C21D 6/00	
	C21D 8/10	

(51) C22C 38/00	(22) 16.10.2019	(11) EP2839058
C22C 38/02	(54) METHOD OF PROVIDING A ZINC	(21) EP13777885.8
C22C 38/04	ALLOY COATING ON A STEEL TUBE IN	(47) 19.06.2024
C23C 2/02	A CONTINUOUS PROCESSING LINE	(87) US2013034773
C22C 38/06	(73) Tata Steel Nederland Tubes BV	24.10.2013
C23C 2/40	(72) HARMSEN, Arno Harold René	(22) 01.04.2013
C22C 38/14	KAMP, Arjen	(54) METHOD OF HEAT EXCHANGER
C23C 2/06	BEENTJES, Petrus Cornelis Jozef	DEPOSIT REMOVAL IN A WET LAYUP
C22C 38/12	(31) 19196741	CONDITION
C23C 2/28	18202470	(73) Westinghouse Electric Company LLC
C21D 8/02	(32) 11.09.2019	(72) CRYTZER, Kurtis R.
C21D 8/04	25.10.2018	WEICHEL, Lauren, R.
C23C 2/00	(33) European Patent Office (EPO)	(31) 201213449730
C21D 9/48	European Patent Office (EPO)	(32) 18.04.2012
(11) EP3498877	(51) C23C 4/02	(33) United States of America
(21) EP17839733.7	B29C 45/14	(51) C25B 1/04
(47) 19.06.2024	B32B 15/08	C25B 9/23
(87) KR2017008435	B32B 3/08	(11) EP3913113
15.02.2018	B32B 3/30	(21) EP21175105.2
(22) 04.08.2017	B32B 7/04	(47) 19.06.2024
(54) HIGH STRENGTH STEEL SHEET	B32B 15/18	(22) 20.05.2021
HAVING EXCELLENT FORMABILITY	B23K 26/322	(54) INCINERATOR FOR HYDROGEN
AND MANUFACTURING METHOD	B23K 26/244	PRODUCTION
THEREOF	B23K 26/323	(73) Entrepose Group
(73) POSCO Co., Ltd	B23K 103/04	(72) SEUTIN, Hugues
(72) HAN, Sang-Ho	B23K 103/08	ROGEZ, Franck
LEE, Je-Woong	B23K 103/18	THIBAUT, Romain
(31) 20160102946	B29K 705/00	MARCAZZAN, Mario
(32) 12.08.2016	(11) EP3389916	(31) 2005258
(33) Korea (Republic)	(21) EP16838020.2	(32) 20.05.2020
(51) C22C 38/38	(47) 19.06.2024	(33) France
C22C 38/02	(87) DE2016000437	(51) C25B 11/093
C22C 38/06	22.06.2017	C25B 1/34
C22C 38/28	(22) 12.12.2016	C23C 18/12
C22C 38/26	(54) METHOD FOR PRODUCING	C25B 1/46
C22C 38/32	A PLASTIC-METAL HYBRID	C25B 11/052
C22C 38/00	COMPONENT	C25B 11/061
C21D 8/02	(73) INPRO Innovationsgesellschaft für	(11) EP3971327
C21D 9/46	fortgeschrittene Produktionssysteme in	(21) EP20903271.3
(11) EP3730651	der Fahrzeugindustrie mbH	(47) 19.06.2024
(21) EP18891397.4	(72) HOYER, Olaf	(87) KR2020018446
(47) 19.06.2024	MINKOW, Michael	24.06.2021
(87) KR2018014272	SCHULENBURG, Matthias	(22) 16.12.2020
27.06.2019	(31) 102015016259	(54) ELECTRODE FOR ELECTROLYSIS
(22) 20.11.2018	(32) 15.12.2015	(73) LG Chem, Ltd.
(54) HIGH YIELD RATIO-TYPE HIGH-	(33) Germany	(72) EOM, Hee Jun
STRENGTH STEEL SHEET AND	(51) C23C 16/455	KIM, Yeon Yi
METHOD FOR MANUFACTURING	B05D 3/02	KIM, Myung Hun
SAME	H01L 31/18	LEE, Dong Chul
(73) POSCO Co., Ltd	C23C 14/56	(31) 20190170676
(72) AHN, Yeon-Sang	(11) EP3733927	(32) 19.12.2019
SEO, Chang-Hyo	(21) EP19832537.5	(33) Korea (Republic)
(31) 20170178944	(47) 19.06.2024	(51) C25B 15/04
(32) 24.12.2017	(87) JP2019007748	C25B 9/05
(33) Korea (Republic)	03.09.2020	C25B 9/75
(51) C23C 2/06	(22) 28.02.2019	C25B 9/77
C22C 18/04	(54) FILM FORMING DEVICE	C25B 1/46
C22C 18/00	(73) TMEIC Corporation	(11) EP3951019
C23C 2/38	(72) ORITA, Hiroyuki	(21) EP20782684.3
C23C 2/26	IWAO, Yusuke	(47) 19.06.2024
C23C 2/12	HIRAMATSU, Takahiro	(87) JP2020012107
C23C 28/00	NAMITO, Nobuyoshi	08.10.2020
C23C 28/02	(22) 18.03.2020	(54) ELECTROLYZER, METHOD FOR
(11) EP3870731	(51) C23F 13/14	CONTROLLING SAME
(21) EP19784101.8	C23F 13/08	(73) Asahi Kasei Kabushiki Kaisha
(47) 19.06.2024	C02F 5/08	(72) SUZUKI, Yuto
(87) EP2019078073	C02F 103/02	ANAMI, Yasutaka
30.04.2020	C02F 1/66	

HIRATA, Koichi	D01D 5/22	THE CUSTOMIZATION AND IDENTIFICATION OF A BRAND
(31) 2019069856	(11) EP3653765	(73) Etigroup S.p.A.
(32) 01.04.2019	(21) EP17917790.2	(72) DI STEFANO, Roberta
(33) Japan	(47) 19.06.2024	DI STEFANO, Eraldo
(51) C25C 3/06	(87) JP2017042045	(31) 201800007086
C25C 3/20	17.01.2019	201700151308
(11) EP3417094	(22) 22.11.2017	(32) 10.07.2018
(21) EP17752750.4	(54) CELLULOSE ACETATE TOW BAND, AND METHOD FOR PRODUCING	29.12.2017
(47) 19.06.2024	CELLULOSE ACETATE TOW BAND	(33) Italy
(87) IB2017050666	(73) Daicel Corporation	Italy
24.08.2017	(72) OGUNI, Kazuma	(51) D04B 1/10
(22) 08.02.2017	(31) 2017135268	D04B 1/12
(54) METHOD OF MONITORING INDIVIDUAL ANODE CURRENTS IN AN ELECTROLYTIC CELL SUITABLE FOR THE HALL-HEROULT ELECTROLYSIS PROCESS	(32) 11.07.2017	(11) EP4019679
(73) NewSouth Innovations Pty Limited	(33) Japan	(21) EP22153908.3
Dubai Aluminium PJSC	(51) D01F 9/12	(47) 19.06.2024
(72) SKYLLAS-KAZACOS, Maria	B29B 17/02	(22) 16.01.2020
AKHMETOV, Sergey	D01F 11/14	(54) A KNITTED COMPONENT INCLUDING KNIT AREAS FORMED WITH RELEASABLE YARN, AND A TEXTILE WITH OPENINGS OBTAINED BY THE METHOD
BAO, Jie	D01F 11/16	(73) NIKE Innovate C.V.
YAO, Yuchen	B29B 17/04	(72) SCHOPPEL, Andreas, I.
WELCH, Barry	B29K 307/04	BASA, Shannon, J.
CHEUNG, Cheuk-Yi	B29B 17/00	(31) 201962796195 P
BANJAB, Ali Jasim	B29K 105/08	(32) 24.01.2019
(31) 201602627	B32B 5/02	(33) United States of America
(32) 15.02.2016	B32B 5/26	(51) D04B 15/02
(33) United Kingdom	B29K 105/06	D04B 9/40
(51) C25D 11/24	(11) EP3754054	D04B 9/56
C25D 11/16	(21) EP19168197.2	D04B 1/26
C23C 18/12	(47) 19.06.2024	(11) EP4073304
(11) EP2828421	(22) 09.04.2019	(21) EP20815887.3
(21) EP13711670.3	(54) PREPARATION METHOD OF CARBON FIBER AND CARBON FIBER REINFORCED RESIN COMPOSITION	(47) 19.06.2024
(47) 19.06.2024	(73) Al-Carbon Co., Ltd.	(87) EP2020084545
(87) EP2013055913	(72) KASAI, Yuki	17.06.2021
26.09.2013	IJUIN, Noriaki	(22) 03.12.2020
(22) 21.03.2013	(51) D03D 3/02	(54) REMOVAL DEVICE FOR REMOVING A KNITTED TUBULAR MANUFACTURE FROM A CIRCULAR KNITTING MACHINE FOR HOSIERY OR THE LIKE
(54) TREATMENT OF AN ANODICALLY OXIDIZED SURFACE	H02G 3/04	(73) Lonati S.p.A.
(73) Nanogate SE	(11) EP3947796	(72) LONATI, Francesco
(72) KOCH, Markus	(21) EP20719888.8	LONATI, Ettore
DANZEBRINK, Rolf	(47) 19.06.2024	LONATI, Fausto
GEYER, Tanja	(87) US2020024908	(31) 201900023433
DANZEBRINK, Anne	01.10.2020	(32) 10.12.2019
(31) 102012204636	(22) 26.03.2020	(33) Italy
(32) 22.03.2012	(54) FLEXIBLE, ABRASION RESISTANT, WOVEN SLEEVE AND METHOD OF CONSTRUCTION THEREOF	(51) D04C 1/06
(33) Germany	(73) Federal-Mogul Powertrain LLC	A43B 23/02
(51) C25D 17/00	(72) ADAMSKI, Emma	A43B 23/04
C25D 17/06	MEHBUBANI, Ritesh	(11) EP4050142
(11) EP4043618	QIU, Xiaodan	(21) EP22165478.3
(21) EP22167592.9	WINTERS, Danny	(47) 19.06.2024
(47) 19.06.2024	GAO, Tianqi	(22) 31.05.2018
(22) 21.01.2020	(31) 20196282421 P	(54) BRAIDED ARTICLES AND METHODS FOR THEIR MANUFACTURE
(54) SUBSTRATE HOLDING AND LOCKING SYSTEM FOR CHEMICAL AND/OR ELECTROLYTIC SURFACE TREATMENT	(32) 26.03.2019	(73) Nike Innovate C.V.
(73) Semsysco GmbH	(33) United States of America	(72) YOO, James Y.
(72) KNOLL, Oliver	(51) D03D 35/00	BRUCE, Robert M.
HOFER, Georg	A44B 19/34	LEE, Eun Kyung
GERSDORFF, Markus	D03D 11/02	ICHIKAWA, Chikao
GLEISSNER, Andreas	(11) EP3732317	(31) 201815993195
WIRNSBERGER, Thomas	(21) EP18832977.5	201762512898 P
SCHRÖDER, Raoul	(47) 19.06.2024	(32) 30.05.2018
ÖTZLINGER, Herbert	(87) EP2018025332	31.05.2017
(51) D01F 2/30	04.07.2019	(33) United States of America
D01F 2/28	(22) 21.12.2018	
	(54) PROCESS FOR THE PRODUCTION OF A WOVEN TAPE FOR ZIPPERS WITH WEFT EFFECT FOR	

United States of America	(22) 12.08.2020	DEL POS, Maurizio
(51) D04H 1/4391	(54) ARTICLE WITH INTEGRAL LOOPS AND METHOD OF MANUFACTURING	(51) D06F 39/02
D04H 1/485	(73) NIKE Innovate C.V.	(11) EP4008826
D04H 1/55	(72) RAFFAELE, Guillermo	(21) EP20850141.1
D04H 1/541	HO, Fanny Yung	(47) 19.06.2024
(11) EP4294973	(31) 201962909451 P	(87) CN2020106232
(21) EP22712470.8	(32) 02.10.2019	11.02.2021
(47) 19.06.2024	(33) United States of America	(22) 31.07.2020
(87) US2022016572	(51) D06B 11/00	(54) ADDITIVE DISPENSING APPARATUS AND CLOTHES WASHING MACHINE
25.08.2022	D06P 5/30	(73) CHONGQING HAIER WASHING MACHINE CO., LTD.
(22) 16.02.2022	(11) EP3760778	HAIER SMART HOME CO., LTD.
(54) DURABLE PILLING RESISTANT NONWOVEN INSULATION	(21) EP19315057.0	(72) REN, Haifeng
(73) PrimaLoft, Inc.	(47) 19.06.2024	HUANG, Tao
(72) MINEHARDT, Jon-Alan	(22) 04.07.2019	ZHOU, Bingheng
(31) 202163150311 P	(54) DEVICE FOR DYEING A WIRE	(31) 201910713121
(32) 17.02.2021	(73) SUPERBA (Société par Actions Simplifiée)	201910713127
(33) United States of America	(72) Beauduin, Charles	(32) 02.08.2019
(51) D04H 3/00	Massotte, Philippe	02.08.2019
D04H 3/018	(51) D06C 3/00	(33) China
D04H 3/08	D06C 3/06	China
D01D 5/098	D06C 19/00	(51) D06F 39/02
D01F 8/06	(11) EP3436630	(11) EP4112801
D01F 8/14	(21) EP17733071.9	(21) EP22187440.7
(11) EP3022348	(47) 19.06.2024	(47) 19.06.2024
(21) EP14826879.0	(87) TR2017050127	(22) 28.08.2020
(47) 19.06.2024	05.10.2017	(54) A DETERGENT SUPPLY DEVICE FOR A LAUNDRY TREATING APPARATUS
(87) US2014046669	(22) 30.03.2017	(73) LG Electronics Inc.
22.01.2015	(54) DRUM SYSTEM COMPRISING MULTIPLE HORIZONTAL BARS	(72) JUNG, Sungwoon
(22) 15.07.2014	(73) Entema Endüstriyel Tesisler Ve Makina Sanayi Limited Sirketi	JANG, Hunjun
(54) METHOD OF FORMING A CONTINUOUS FILAMENT SPUN-LAID WEB AND A CONTINUOUS FILAMENT SPUN-LAID WEB FORMED THEREFROM	(72) GOKCAN, Ali Ozan	(31) 20200099425
(73) HILLS, INC.	(31) 201604246	20200015212
(72) BRANG, James	(32) 01.04.2016	20190106716
HAGGARD, Jeffrey	(33) Türkiye	20190106714
WILKIE, Arnold	(51) D06F 37/10	(32) 07.08.2020
DE LA HOZ, Angel Antonio	D06F 37/28	07.02.2020
(31) 201461986465 P	F16J 15/10	29.08.2019
201361846152 P	D06F 39/14	29.08.2019
(32) 30.04.2014	(11) EP4019688	(33) Korea (Republic)
15.07.2013	(21) EP20853722.5	Korea (Republic)
(33) United States of America	(47) 19.06.2024	Korea (Republic)
United States of America	(87) CN2020109440	(51) D06M 15/53
(51) D05B 49/02	25.02.2021	C08L 71/00
D05B 1/10	(22) 17.08.2020	(11) EP3844337
(11) EP4089220	(54) WASHING MACHINE	(21) EP19759406.2
(21) EP22165590.5	(73) QINGDAO HAIER LAUNDRY ELECTRIC APPLIANCES CO., LTD.	(47) 19.06.2024
(47) 19.06.2024	HAIER SMART HOME CO., LTD.	(87) EP2019073261
(22) 30.03.2022	(72) XU, Sheng	05.03.2020
(54) SEWING MACHINE WITH THREAD TAKE-UP LEVER SWITCHING MECHANISM	ZHAO, Zhiqiang	(22) 30.08.2019
(73) JANOME Corporation	LV, Peishi	(54) TEXTILE TEMPERATURE REGULATING AGENTS
(72) AZUMA, Toyohiro	(31) 201910767605	(73) Devan-Micropolis SA
YOKOYAMA, Ushio	(32) 20.08.2019	Devan Chemicals NV
(31) 2021081899	(33) China	(72) TEIXEIRA, Roberto Fernando Almeida
(32) 13.05.2021	(51) D06F 39/00	ELLIS, John
(33) Japan	D06F 39/02	PAIS, Ivo Guiomar
(51) D05C 17/00	(11) EP3221503	DE SOUSA CARREIRA, Ana
A44B 18/00	(21) EP14805801.9	(31) 201805611
(11) EP4038231	(47) 19.06.2024	201814214
(21) EP20771658.0	(87) EP2014075172	(32) 31.08.2018
(47) 19.06.2024	26.05.2016	31.08.2018
(87) US2020045929	(22) 20.11.2014	(33) Belgium
08.04.2021	(54) LAUNDRY WASHING MACHINE	United Kingdom
	(73) Electrolux Appliances Aktiebolag	(51) D07B 1/02
	(72) FAVARO, Daniele	D07B 1/16

(11) EP3775365	(21) EP20180446.5	(21) EP17719936.1
(21) EP19712203.9	(47) 19.06.2024	(47) 19.06.2024
(47) 19.06.2024	(22) 17.06.2020	(87) NL2017050203
(87) EP2019057298	(54) FIBER TRANSPORT APPARATUS AND FIBER TRANSPORT METHOD	05.10.2017
03.10.2019	(73) Seiko Epson Corporation	(22) 31.03.2017
(22) 22.03.2019	(72) ABE, Takashi	(54) APPARATUS FOR BACKFILLING A TRENCH
(54) SYNTHETIC FIBER ROPE	SATO, Makoto	(73) Delta Pipeline Machinery B.V.
(73) Bridon International Limited	MOTOHASHI, Koji	(72) MCCABE, Keith James
(72) JEAYS, Adam	(31) 2019112947	(31) 2016528
SINSBURY, Ian	(32) 18.06.2019	(32) 31.03.2016
WANG, Pengzhu	(33) Japan	(33) Netherlands
TAYLOR, James		
HUNTER, Timothy	(51) D21H 17/34	(51) E02F 9/20
(31) 18250010	D21H 17/37	E02F 9/22
(32) 26.03.2018	D21H 17/42	G05D 1/00
(33) European Patent Office (EPO)	D21H 17/45	(11) EP3744908
(51) D07B 1/06	D21H 21/18	(21) EP19776688.4
B60C 9/00	D21H 21/10	(47) 19.06.2024
(11) EP3617399	D21H 17/55	(87) JP2019002238
(21) EP18790823.1	(11) EP3695051	03.10.2019
(47) 19.06.2024	(21) EP18785540.8	(22) 24.01.2019
(87) JP2018015257	(47) 19.06.2024	(54) WORKING MACHINE CONTROL DEVICE
01.11.2018	(87) EP2018076672	(73) KOBELCO CONSTRUCTION MACHINERY CO., LTD.
(22) 11.04.2018	18.04.2019	
(54) STEEL CORD FOR REINFORCING RUBBER ARTICLE, METHOD FOR MANUFACTURING SAME, AND TIRE	(22) 01.10.2018	(72) SAIKI, Seiji
(73) Bridgestone Corporation	(54) METHOD FOR FORMING PAPER OR CARDBOARD	SASAKI, Hitoshi
(72) KONDO, Mikito	(73) Solenis Technologies Cayman, L.P.	(31) 2018064151
OBANA, Naohiko	(72) ESSER, Anton	(32) 29.03.2018
(31) 2017090759	HAMERS, Christoph	(33) Japan
(32) 28.04.2017	PAHNKE, Kai	(51) E02F 9/22
(33) Japan	HAEHNLE, Hans-Joachim	(11) EP4151804
(51) D07B 1/06	(31) 17196027	(21) EP22196590.8
B60C 15/04	(32) 11.10.2017	(47) 19.06.2024
(11) EP3613898	(33) European Patent Office (EPO)	(22) 20.09.2022
(21) EP18788209.7	(51) D21H 19/58	(54) CONSTRUCTION MACHINE AND METHOD FOR DRIVING A WORKING DEVICE
(47) 19.06.2024	(11) EP3296459	(73) Schäffer Maschinenfabrik GmbH
(87) JP2018015768	(21) EP17200300.6	(72) BREDE, Friedhelm
25.10.2018	(47) 19.06.2024	KNÄUPER, Erik
(22) 16.04.2018	(22) 18.12.2009	(31) 102021124436
(54) CABLE BEAD AND AIRPLANE TIRE USING SAME	(54) COATING COLOUR COMPOSITION FOR PAPER AND PAPERBOARD	(32) 21.09.2021
(73) Bridgestone Corporation	(73) Kemira Oyj	(33) Germany
(72) FUKAGAWA, Hideaki	(72) TURKKI, Tarja	(51) E02F 9/26
(31) 2017081623	MATULA, Antti	E02F 9/20
(32) 17.04.2017	AHLGREN, Jonni	(11) EP3770345
(33) Japan	(31) 20086213	(21) EP19860477.9
(51) D07B 1/06	(32) 18.12.2008	(47) 19.06.2024
B66B 7/06	(33) Finland	(87) JP2019033634
F16G 1/12	(51) E01C 21/00	19.03.2020
(11) EP3645785	E01C 23/088	(22) 28.08.2019
(21) EP18733271.3	(11) EP4067573	(54) DISPLAY SYSTEM OF WORK MACHINE AND METHOD OF CONTROLLING THE SAME
(47) 19.06.2024	(21) EP22163835.6	(73) Komatsu Ltd.
(87) EP2018066861	(47) 19.06.2024	(72) DAIMON, Masaki
03.01.2019	(47) 19.06.2024	(31) 2018172801
(22) 25.06.2018	(22) 23.03.2022	(32) 14.09.2018
(54) A REINFORCEMENT STRAND FOR REINFORCING A POLYMER ARTICLE	(54) SELF-PROPELLED CONSTRUCTION MACHINE AND METHOD FOR OPERATING THE SAME	(33) Japan
(73) Bekaert Advanced Cords Aalter NV	(73) Wirtgen GmbH	(51) E03F 9/00
(72) CLAEYS, Koen	(72) Quadt, Martin	B08B 9/045
VANREYTEN, Wouter	Berning, Christian	B65H 51/04
MORREN, Gerd	Salz, Andreas	B65H 59/22
(31) 17177992	(31) 102021108367	(11) EP3276098
(32) 27.06.2017	(32) 01.04.2021	(21) EP17183628.1
(33) European Patent Office (EPO)	(33) Germany	(47) 19.06.2024
(51) D21B 1/34	(51) E02F 5/22	(22) 27.07.2017
(11) EP3754105	B07B 1/12	
	(11) EP3436645	

(54) CABLE FEED CONTROL MECHANISM FOR DRAIN CLEANER	E04B 9/36 E04B 1/82	(11) EP3269894 (21) EP17181165.6 (47) 19.06.2024
(73) Milwaukee Electric Tool Corporation	(11) EP4051845	(47) 19.06.2024
(72) Miller, Justin Denissen, Ryan James	(21) EP20800060.4 (47) 19.06.2024	(22) 13.07.2017 (54) ENCAPSULATED SPLICE CHUCK
(31) 201762487063 P 201662367223 P	(87) EP2020080132 06.05.2021	(73) Sorkin, Felix, L. (72) Sorkin, Felix L. (31) 201715648127 201662362285 P
(32) 19.04.2017 27.07.2016	(22) 27.10.2020 (54) FOLDED CEILING BAFFLE	(31) 201715648127 201662362285 P
(33) United States of America United States of America	(73) Hunter Douglas Industries B.V. (72) VERLINDE, Marijn LANGEVELD, Michiel	(32) 12.07.2017 14.07.2016 (33) United States of America United States of America
(51) E04B 1/00	(31) 201915930	(51) E04D 13/17
(11) EP3887611	(32) 01.11.2019	E04D 1/16
(21) EP19813744.0	(33) United Kingdom	E04D 1/30
(47) 19.06.2024	(51) E04B 1/86	(11) EP4006256
(87) EP2019082594 04.06.2020	E04B 9/00 E04B 1/84	(21) EP21211111.6 (47) 19.06.2024
(22) 26.11.2019	(11) EP3899156	(22) 29.11.2021
(54) BALCONY SYSTEM HAVING A COUNTERFORCE UNIT	(21) EP19832547.4 (47) 19.06.2024	(54) RIDGE MOUNTING AND VENTILATION SYSTEM
(73) piboi GmbH	(87) EP2019000346 25.06.2020	(73) Adverge Limited
(72) THOMA, Johannes	(22) 19.12.2019	(72) Makin, Reece
(31) 102018129776	(54) PANEL COATING SYSTEM	(31) 202018689
(32) 26.11.2018	(73) Knauf Gips KG	(32) 27.11.2020
(33) Germany	(72) WANDLER, Klaus SCHNOBRICH, Ruth HENGST, Klaudius HOLFELDER, Klaus	(33) United Kingdom
(51) E04B 1/00 E04G 21/18	(31) PCT/EP2018/000581 (32) 21.12.2018 (33) World Intellectual Property Office (WIPO)	(51) E04F 13/06 E06B 1/62
(11) EP4115027	(51) E04B 2/96	(11) EP3708736
(21) EP20713176.4	(11) EP3464747	(21) EP19162133.3
(47) 19.06.2024	(21) EP17739181.0 (47) 19.06.2024	(47) 19.06.2024
(87) EP2020055584 10.09.2021	(87) BE2017000026 30.11.2017	(22) 12.03.2019
(22) 03.03.2020	(22) 02.05.2017	(54) CONNECTION PROFILE FOR COMPONENTS BORDERING PLASTER WITH ARTICULATED HINGE
(54) METHOD OF INSTALLING A BALCONY, AND DEVICE FOR THE SAME	(54) CURTAIN WALL	(73) LIKOV s.r.o.
(73) Sapphire Balconies Limited	(73) Claeys, Laurens Leonard J. Claeys, Stephanie Catharina R. Claeys, Nausikaä Els P.	(72) Toman, Radek Burant, Pavel Kassmannhuber, Peter
(72) HILL, Tim PARSONS, Andrew	(72) CLAEYS, Eric	(51) E04F 15/10 A47G 27/02 A63C 19/04 B32B 25/00 B32B 25/08 E01C 13/00
(51) E04B 1/58 F16B 5/06 E04B 1/24	(31) 201605377 (32) 24.05.2016 (33) Belgium	(11) EP3469167 (21) EP17811121.7 (47) 19.06.2024
(11) EP4033046	(51) E04C 2/288 E04C 2/06 F16L 59/02	(87) US2017036863 14.12.2017
(21) EP22151864.0	(11) EP3752689	(22) 09.06.2017
(47) 19.06.2024	(21) EP19754672.4 (47) 19.06.2024	(54) IMPACT ABSORBING SAFETY MATTING AND PADDING SYSTEM WITH ELASTOMERIC SUB-SURFACE STRUCTURE
(22) 17.01.2022	(87) CA2019050179 22.08.2019	(73) Seamless Attenuating Technologies, Inc.
(54) CONNECTING ELEMENT AND ITS USE AS CORNER CONNECTOR	(22) 13.02.2019	(72) BETTERIDGE, Bryce L. BISHOP, Robert Samuel
(73) Weißhaupt, Mario	(54) PREFABRICATED INSULATED BUILDING PANEL WITH AT LEAST ONE CURED CEMENTITIOUS LAYER BONDED TO INSULATION	(31) 201715618109 201662348117 P
(72) Weißhaupt, Mario	(73) Nexii Building Solutions Inc.	(32) 08.06.2017 09.06.2016
(31) 500282021	(72) DOMBOWSKY, Benedict John DOMBOWSKY, Michael Anthony	(33) United States of America United States of America
(32) 20.01.2021	(31) 2994868	(51) E04G 11/38 E04G 11/50 E04G 17/00
(33) Austria	(32) 13.02.2018 (33) Canada	
(51) E04B 1/76	(51) E04C 5/12	
(11) EP3919700		
(21) EP21188512.4		
(47) 19.06.2024		
(22) 31.01.2012		
(54) INSULATION SYSTEM FOR COVERING A FACADE OF A BUILDING		
(73) ROCKWOOL A/S		
(72) Jakobsen, Klavs Koefoed		
(31) 11000734		
(32) 31.01.2011		
(33) European Patent Office (EPO)		
(51) E04B 1/84 E04B 9/00 E04B 9/28		

(11) EP3874100	(21) EP20728244.3	(31) 202063057562 P
(21) EP19809192.8	(47) 19.06.2024	(32) 28.07.2020
(47) 19.06.2024	(87) SE2020050500	(33) United States of America
(87) IT2019050225	26.11.2020	<hr/>
07.05.2020	(22) 14.05.2020	(51) E21B 47/009
(22) 25.10.2019	(54) LOCKING DEVICE WITH A CATCH	(11) EP4015765
(54) ATTACHMENT DEVICE FOR A	MECHANISM	(21) EP21212005.9
PARAPET OR SUCHLIKE	(73) Stendals Ei AB	(47) 19.06.2024
(73) Pilosio S.r.l.	(72) JENSEN, Lars	(22) 02.12.2021
(72) DELLA GIUSTINA, Daniel	(31) 1950590	(54) OPTICAL MONITORING AND
FRANCESCHINIS, Rita	(32) 17.05.2019	CONTROL OF PUMPJACK
CHICCO, Paolo	(33) Sweden	(73) Schneider Electric Systems USA, Inc.
SANDRI, Cristian	(51) E05B 27/00	(72) GUIMOND, Scott
(31) 201800009924	E05B 47/06	SOBIN, Zackery
(32) 30.10.2018	E05B 9/08	REDMOND, James
(33) Italy	E05B 11/00	(31) 202017127241
<hr/>	E05B 15/16	(32) 18.12.2020
(51) E04G 21/32	E05B 17/00	(33) United States of America
E04G 3/24	(11) EP4191002	<hr/>
E04G 1/15	(21) EP21212254.3	(51) E21B 47/013
(11) EP4177421	(47) 19.06.2024	E21D 9/00
(21) EP22205956.0	(22) 03.12.2021	E21C 35/04
(47) 19.06.2024	(54) LOCKING DEVICE FOR A LOCKING	E21C 35/10
(22) 08.11.2022	ELEMENT OR A SWITCHING	B60R 21/0136
(54) DEVICE FOR BLOCKING A HOPPER	ELEMENT	A47F 1/12
(73) ALPHI	(73) dormakaba Schweiz AG	(11) EP4227488
(72) PEETERS, Simon	(72) Zahner, Markus	(21) EP22156249.9
SOUVIGNET, Alexandre	Di Sario, Franco	(47) 19.06.2024
PHILIPPE, Sébastien	Kölliker, Marcel	(22) 11.02.2022
TISSOT, David	(51) E06B 3/673	(54) SENSOR SYSTEM OF
POINARD, Cédric	E06B 3/66	UNDERGROUND MINING VEHICLES
PERROTIN, Pascal	E06B 3/663	AND UNDERGROUND MINING
(31) 2111888	E06B 3/54	VEHICLE COMPRISING SENSOR
(32) 09.11.2021	E04B 2/88	SYSTEM
(33) France	(11) EP4198246	(73) Sandvik Mining and Construction Oy
<hr/>	(21) EP21216015.4	(72) HELEN, Hannu
(51) E05B 9/00	(47) 19.06.2024	TUOMINEN, Jussi
E05B 63/06	(22) 20.12.2021	VUOKILA, Marko
E05C 9/00	(54) MOUNTING DEVICE FOR A	HOFFREN, Juha
E05C 9/20	FASTENING GROOVE OF AN	SAARINEN, Jani
(11) EP4026966	INSULATING GLASS UNIT	TAMMINEN, Pekka
(21) EP21213241.9	(73) Purso Oy	HUURRE, Mikko
(47) 19.06.2024	(72) MANNILA, Hannu	<hr/>
(22) 08.12.2021	(51) E21B 3/02	(51) F01B 5/00
(54) MULTI-POINT LOCK AND METHOD OF	E21B 7/00	F01B 9/06
MANUFACTURING SUCH A LOCK	(11) EP4033067	F16H 25/14
(73) Assa Abloy Limited	(21) EP21152803.9	(11) EP3719255
(72) HOLLAND, Stuart Malcolm	(47) 19.06.2024	(21) EP20171097.7
(31) 202020221	(22) 21.01.2021	(47) 19.06.2024
(32) 21.12.2020	(54) ROTATING DRIVE ASSEMBLY FOR A	(22) 19.02.2018
(33) United Kingdom	DRILLING ROD	(54) INTERNAL COMBUSTION ENGINE
<hr/>	(73) EURODRILL GmbH	(73) Newlenoir Limited
(51) E05B 13/00	(72) SÖNNECKEN, Ralf	(72) Bowen, Ryan
E05B 15/02	(51) E21B 7/04	(31) 201703606
(11) EP4112850	E21B 17/046	(32) 07.03.2017
(21) EP22168114.1	E21B 23/02	(33) United Kingdom
(47) 19.06.2024	E21B 17/04	<hr/>
(22) 13.04.2022	(11) EP4189204	(51) F01C 1/16
(54) LEVER HANDLE BEARING AND DOOR	(21) EP21752835.5	F01C 20/12
OR WINDOW LEVER HANDLE SET	(47) 19.06.2024	(11) EP3418491
(73) Franz Schneider Brakel GmbH + Co KG	(87) US2021042435	(21) EP18166189.3
(72) EMMERICH, Ralf	03.02.2022	(47) 19.06.2024
(31) 21182472	(22) 20.07.2021	(22) 06.04.2018
(32) 29.06.2021	(54) DRILL STRING JOINT FOR	(54) SCREW EXPANDER
(33) European Patent Office (EPO)	HORIZONTAL DIRECTIONAL DRILLING	(73) Fu Sheng Industrial Co., Ltd.
<hr/>	SYSTEM	(72) LIU, Yao-Chung
(51) E05B 15/00	(73) Vermeer Manufacturing Company	(31) 106121001
E05B 17/20	(72) SMITH, Jacob Richard	(32) 23.06.2017
E05B 47/00		(33) Taiwan, Chinese Taipei
E05B 47/02		<hr/>
E05B 47/06		(51) F01C 1/22
(11) EP3969695		F01C 21/06

F01C 21/10	(87) FR2019053061	(33) United States of America
(11) EP3670833	18.06.2020	(51) F01D 25/20
(21) EP19219031.2	(22) 13.12.2019	F01D 21/12
(47) 19.06.2024	(54) FAN BLADE COMPRISING A THIN	F01D 21/14
(22) 20.12.2019	SHIELD AND A STIFFENER	F02C 7/36
(54) ROTARY ENGINE WITH HOUSING	(73) SAFRAN AIRCRAFT ENGINES	F01M 1/02
HAVING SILICON CARBIDE PLATE	(72) BULOT, Benjamin	F01M 1/18
(73) Pratt & Whitney Canada Corp.	SOURYAVONGSA, Eddy, Keomorakott	F16H 57/04
(72) GAUVREAU, Jean-Gabriel	DE GAILLARD, Thomas, Alain	F02C 7/06
GAGNON-MARTIN, David	(31) 1872945	F02C 7/14
SIMONEAU, Jean-Phillippe	(32) 14.12.2018	F16N 7/00
VINSKI, Johnny	(33) France	F01M 1/12
BOLDUC, Sebastien	(51) F01D 9/06	(11) EP3966434
VILLENEUVE, Bruno	(11) EP3342986	(21) EP20731927.8
(31) 201916665428	(21) EP17206360.4	(47) 19.06.2024
201862782454 P	(47) 19.06.2024	(87) FR2020050743
(32) 28.10.2019	(22) 11.12.2017	19.11.2020
20.12.2018	(54) GAS TURBINE ENGINE	(22) 04.05.2020
(33) United States of America	(73) RTX Corporation	(54) OIL SYSTEM FOR A TURBINE ENGINE
United States of America	(72) LEVINE, Jeffrey R.	(73) SAFRAN AIRCRAFT ENGINES
(51) F01D 5/14	BOTNICK, Christina E.	(72) EMPRIN, Yves
F01D 9/04	ALLEN, Richard N.	GAULLY, Bruno, Robert
(11) EP3792451	MACE, Gerald M.	BERTHO, Germain, Michel, Emmanuel
(21) EP20195154.8	KASHYAP, Tania Bhatia	(31) 1904892
(47) 19.06.2024	ANSELM, Gregory	(32) 10.05.2019
(22) 08.09.2020	LEON, Jeffrey	(33) France
(54) COMPRESSOR STAGE WITH	FORBES, John David	(51) F01D 25/28
VARIABLE STATOR BLADE TILT	NADEAU, Daniel C.	F02C 7/20
(73) Deutsches Zentrum für Luft- und	KAUFMAN, Eleanor D.	F02K 3/06
Raumfahrt e.V.	(31) 201615375827	(11) EP4039597
(72) Jaron, Robert	(32) 12.12.2016	(21) EP22165499.9
(31) 102019213932	(33) United States of America	(47) 19.06.2024
(32) 12.09.2019	(51) F01D 17/16	(22) 14.08.2018
(33) Germany	(11) EP3947921	(54) METHOD FOR CONTROLLING A
(51) F01D 5/18	(21) EP20717758.5	STRUT
(11) EP3933173	(47) 19.06.2024	(73) RTX Corporation
(21) EP21183551.7	(87) EP2020025161	(72) SAWYERS-ABBOTT, Nigel David
(47) 19.06.2024	08.10.2020	SCHWARZ, Frederick M.
(22) 02.07.2021	(22) 03.04.2020	(31) 201715681987
(54) INSERTS FOR AIRFOILS OF GAS	(54) STEAM TURBINE WITH ROTATABLE	(32) 21.08.2017
TURBINE ENGINES	STATOR BLADES	(33) United States of America
(73) RTX Corporation	(73) Nuovo Pignone Tecnologie S.r.l.	(51) F01K 23/02
(72) MONGILLO, Dominic J., Jr.	(72) GAGLIANO, Massimiliano	F01K 25/08
DVOROZNIAK, Lucas	BUCCIARELLI, Frederico	(11) EP4158161
(31) 202016920496	PAGGINI, Andrea	(21) EP21731842.7
(32) 03.07.2020	GUADAGNOLI, Damiano	(47) 19.06.2024
(33) United States of America	CHECCACCI, Damaso	(87) IB2021054564
(51) F01D 5/20	GIUSTI, Enrico	02.12.2021
F01D 11/12	COSI, Lorenzo	(22) 26.05.2021
F01D 5/34	FIORI, Marco	(54) CASCADE ORGANIC RANKINE CYCLE
(11) EP3882437	(31) 201900005266	PLANT
(21) EP21164108.9	(32) 05.04.2019	(73) Turboden S.p.A.
(47) 19.06.2024	(33) Italy	(72) BINI, Roberto
(22) 22.03.2021	(51) F01D 17/16	GAIA, Mario
(54) INTEGRALLY BLADED ROTOR, GAS	F04D 29/56	PIETRA, Claudio
TURBINE ENGINE AND METHOD FOR	(11) EP4023858	(31) 202000012907
MANUFACTURING AN INTEGRALLY	(21) EP22150257.8	(32) 29.05.2020
BLADED ROTOR	(47) 19.06.2024	(33) Italy
(73) RTX Corporation	(22) 04.01.2022	(51) F01N 3/20
(72) STROCK, Christopher W.	(54) VARIABLE VANE, GAS TURBINE	F01N 3/027
GUO, Changsheng	ENGINE AND METHOD FOR	(11) EP4198273
(31) 202016825610	OPERATING A VARIABLE VANE	(21) EP22207663.0
(32) 20.03.2020	(73) RTX Corporation	(47) 19.06.2024
(33) United States of America	(72) KNECHTEL, Kevin	(22) 16.11.2022
(51) F01D 5/28	CLARK, Kenneth P.	(54) EXHAUST GAS HEATER
(11) EP3894666	HAKENJOS, Stephen A.	(73) Purem GmbH
(21) EP19845588.3	(31) 202117140604	(72) Karekar, Amol Anil
(47) 19.06.2024	(32) 04.01.2021	Häberle, Jürgen

(31) 102021132932	(73) MAN Energy Solutions SE	(11) EP3540195
(32) 14.12.2021	(72) Lauterbach, Johannes	(21) EP19163193.6
(33) Germany	(31) 102020117399	(47) 19.06.2024
(51) F01N 13/18	(32) 01.07.2020	(22) 15.03.2019
F01N 1/08	(33) Germany	(54) RANKINE CYCLE POWERED BY BLEED HEAT
F01N 1/24	(51) F02B 61/02	(73) Hamilton Sundstrand Corporation
(11) EP4124731	F02D 41/00	(72) ST. ROCK, Brian
(21) EP22181135.9	F02D 41/14	FILBURN, Thomas P.
(47) 19.06.2024	G01M 15/11	RETERSDORF, Alan
(22) 27.06.2022	(11) EP3929422	(31) 201815923621
(54) SILENCER	(21) EP20769035.5	(32) 16.03.2018
(73) Purem GmbH	(47) 19.06.2024	(33) United States of America
(72) Gerlich, Harald	(87) JP2020006043	(51) F02C 1/10
Strähle, Martin	17.09.2020	F02C 7/141
Schmitt, Markus	(22) 17.02.2020	F02C 7/18
Scheer, Matthias	(54) STRADDLED VEHICLE ENGINE UNIT AND STRADDLED VEHICLE	(11) EP4001613
Weber, Michaela	(73) DENSO CORPORATION	(21) EP211974403.5
Te-Kaat, Lukas	YAMAHA HATSUDOKI KABUSHIKI	(47) 19.06.2024
Sühnel, Frank	KAISHA	(22) 17.09.2021
Jess, Marco	(72) KAWASHIMA, Nobuyuki	(54) METHODS AND SYSTEMS FOR GENERATING POWER AND THERMAL MANAGEMENT HAVING DUAL LOOP ARCHITECTURE
Lang, Jonathan	IWAMOTO, Kazuteru	(73) The Boeing Company
(31) 102021119216	NONOGAKI, Yoshihiko	(72) STOIA, Michael F.
(32) 26.07.2021	KINOSHITA, Hisatoshi	BOWCUTT, Kevin G.
(33) Germany	HOTTA, Minoru	NEEDEL, Jacob T.
(51) F01N 13/18	(31) 2019045539	SILKEY, Joseph S.
F16L 23/04	(32) 13.03.2019	(31) 202063117238 P
(11) EP4198276	(33) Japan	(32) 23.11.2020
(21) EP22207662.2	(51) F02B 63/04	(33) United States of America
(47) 19.06.2024	F02B 33/44	(51) F02C 3/24
(22) 16.11.2022	(11) EP3596323	F02C 3/22
(54) CONNECTING ELEMENT FOR AN EXHAUST SYSTEM OF AN INTERNAL COMBUSTION ENGINE	(21) EP18716580.8	F02C 7/16
(73) Purem GmbH	(47) 19.06.2024	F23J 7/00
(72) Jambrosic, Kresimir	(87) EP2018058602	F23K 5/00
Korb, Hagen	11.10.2018	F23R 3/28
Gotthard, Christoph	(22) 04.04.2018	F23R 3/30
(31) 102021132929	(54) INTERNAL COMBUSTION ENGINE AND GENERATOR FOR ELECTRICAL POWER SUPPLY	B01D 53/94
(32) 14.12.2021	(73) Liebherr-Components Colmar SAS	F02C 3/14
(33) Germany	(72) TISSOT, Jean-François	F02C 7/141
(51) F01P 7/16	KIEFFER, Julien	(11) EP3604765
F01P 11/06	(31) 102017003282	(21) EP18775182.1
F16K 1/36	(32) 04.04.2017	(47) 19.06.2024
F16K 31/06	(33) Germany	(87) JP2018011731
F16K 39/02	(51) F02C 1/08	04.10.2018
F01P 7/14	F02C 3/34	(22) 23.03.2018
(11) EP3990810	H01M 8/04111	(54) COMBUSTION DEVICE AND GAS TURBINE
(21) EP19733777.7	H01M 8/0612	(73) IHI Corporation
(47) 19.06.2024	H01M 8/0668	(72) ITO, Shintaro
(87) EP2019067027	(11) EP4077898	SAITOU, Tsukasa
30.12.2020	(21) EP20799724.8	FUJIMORI, Toshiro
(22) 26.06.2019	(47) 19.06.2024	UCHIDA, Masahiro
(54) COOLANT VALVE FOR A MOTOR VEHICLE	(87) EP2020081054	ONISHI, Shogo
(73) Pierburg GmbH	24.06.2021	MIZUTANI, Taku
(72) AYDAN, Sami	(22) 05.11.2020	KATO, Soichiro
HERMANN, Max	(54) ENERGY CONVERSION SYSTEM	(31) 2017060444
SCHUMACHER, Julian	(73) ENI S.p.A.	(32) 27.03.2017
NIEBORG, Dominik	(72) CAMPANARI, Stefano	(33) Japan
SADIKU, Besart	MARTELLI, Emanuele	(51) F02C 7/12
(51) F02B 37/00	GATTI, Manuele	F01D 5/08
B63B 1/38	SCACCABAROZZI, Roberto	(11) EP3839233
(11) EP3933180	(31) 201900024162	(21) EP20209376.1
(21) EP21178463.2	(32) 16.12.2019	(47) 19.06.2024
(47) 19.06.2024	(33) Italy	(22) 24.11.2020
(22) 09.06.2021	(51) F02C 1/10	
(54) PROPULSION SYSTEM FOR SHIPS AND METHOD FOR OPERATING SAME	F02C 6/08	
	F02C 7/32	

(54) GAS TURBINE ENGINE AND OPERATION METHOD	(32) 22.12.2020	(87) DK2021050142
(73) Rolls-Royce plc	(33) Japan	11.11.2021
(72) Stieger, Rory	(51) F02G 1/02	(22) 05.05.2021
Cristinacce, Nicholas	F01L 7/02	(54) A NACELLE WITH A CRANE
(31) 201918695	F01L 7/16	ALLOWING ASSEMBLY OF THE
(32) 18.12.2019	F01L 7/18	NACELLE AND A METHOD FOR
(33) United Kingdom	(11) EP3662153	MAKING THE NACELLE
(51) F02C 7/22	(21) EP18758546.8	(73) VESTAS WIND SYSTEMS A/S
B01D 29/03	(47) 19.06.2024	(72) ALEXANDERSEN, Rolf C.B.
(11) EP4170146	(87) EP2018071017	BAUN, Torben Ladegaard
(21) EP22201990.3	07.02.2019	(31) PA202070295
(47) 19.06.2024	(22) 02.08.2018	(32) 07.05.2020
(22) 17.10.2022	(54) EXTERNAL HEAT SOURCE ENGINE	(33) Denmark
(54) COKE CATCHING SCREEN	WITH SLIDE VALVES	(51) F03D 1/06
(73) Hamilton Sundstrand Corporation	(73) Hevatech	(11) EP3453871
(72) LOKHANDWALLA, Murtuza	(72) THEVENOD, Frédéric, Olivier	(21) EP18201614.7
(31) 202117508653	(31) 1757398	(47) 19.06.2024
(32) 22.10.2021	(32) 02.08.2017	(22) 21.12.2010
(33) United States of America	(33) France	(54) A HUB FOR A WIND TURBINE AND A
(51) F02C 9/28	(51) F02M 26/48	METHOD FOR FABRICATING THE HUB
F02C 6/00	F16K 31/524	(73) VESTAS WIND SYSTEMS A/S
(11) EP4116562	F16K 31/53	(72) BITSCH, Michael Lundgaard
(21) EP22177422.7	F16K 31/04	BECH, Anton
(47) 19.06.2024	F02M 26/54	(31) PA200970287
(22) 07.06.2022	F02M 26/67	28861709 P
(54) GAS TURBINE ENGINE AND OPERATING METHOD	F16H 1/20	(32) 21.12.2009
(73) Rolls-Royce plc	F16K 31/50	21.12.2009
(72) Bellis, Mark	F16H 55/17	(33) Denmark
(31) 202109740	(11) EP3728821	United States of America
(32) 06.07.2021	(21) EP18826999.7	(51) F03D 7/02
(33) United Kingdom	(47) 19.06.2024	(11) EP3983670
(51) F02C 9/40	(87) EP2018084683	(21) EP20732169.6
F02C 3/22	27.06.2019	(47) 19.06.2024
F02C 3/24	(22) 13.12.2018	(87) EP2020065729
(11) EP4265898	(54) VALVE DEVICE FOR AN INTERNAL	17.12.2020
(21) EP23166253.7	COMBUSTION ENGINE	(22) 05.06.2020
(47) 19.06.2024	(73) Pierburg GmbH	(54) METHOD FOR CONTROLLING A WIND
(22) 31.03.2023	(72) SIMONS, Norbert	TURBINE
(54) PROPULSION SYSTEM	PAFFRATH, Holger	(73) Wobben Properties GmbH
(73) Derwent Technologies Ltd	HEMSING, Axel	(72) BROMBACH, Johannes
(72) SELLICK, Robert	(31) 102017130323	(31) 102019115943
SPEAK, Trevor	(32) 18.12.2017	(32) 12.06.2019
(31) 202205731	(33) Germany	(33) Germany
(32) 20.04.2022	(51) F03B 17/06	(51) F03D 7/04
(33) United Kingdom	(11) EP4119789	(11) EP3916219
(51) F02D 23/00	(21) EP22183925.1	(21) EP20176671.4
F02D 41/00	(47) 19.06.2024	(47) 19.06.2024
F02D 41/02	(22) 08.07.2022	(22) 26.05.2020
F02B 39/12	(54) RIVER VENTURI POWER	(54) METHOD FOR CONTROLLING A WIND
F02B 33/38	AMPLIFICATION, STORAGE AND	ENERGY SYSTEM
F02B 39/06	REGENERATION SYSTEM	(73) Wobben Properties GmbH
F02D 41/30	(73) Mathers Hydraulics Technologies Pty Ltd	(72) Brombach, Johannes
(11) EP4019758	(72) MATHERS, Norman Ian	(51) F03D 13/25
(21) EP21205463.9	(31) 202163289415 P	F03D 80/80
(47) 19.06.2024	202163264480 P	F03D 13/10
(22) 29.10.2021	202163221766 P	(11) EP3922846
(54) ENGINE SYSTEM, VEHICLE, METHOD OF CONTROLLING ENGINE SYSTEM, AND COMPUTER PROGRAM PRODUCT	(32) 14.12.2021	(21) EP21178849.2
(73) MAZDA MOTOR CORPORATION	23.11.2021	(47) 19.06.2024
(72) KOKUBU, Hironori	14.07.2021	(22) 10.06.2021
SASAKI, Kenji	(33) United States of America	(54) METHOD AND DEVICES FOR
YAGI, Atsushi	United States of America	ARRANGING AN ELECTRICAL CABLE
KUSUNOKI, Tomokuni	United States of America	IN A FOUNDATION OF AN OFFSHORE
(31) 2020212496	(51) F03D 1/00	WIND TURBINE
	F03D 13/10	(73) DEME Offshore BE NV
	F03D 80/80	(72) VAN LOON, Peter Petronella Aloisius
	(11) EP4146932	RABAUT, Dieter Wim Jan
	(21) EP21725698.1	(31) 202005423
	(47) 19.06.2024	(32) 11.06.2020

(33) Belgium	Hewitt, James	United States of America
(51) F03D 17/00	(31) 202103209	United States of America
(11) EP3543523	(32) 08.03.2021	United States of America
(21) EP19163737.0	(33) United Kingdom	
(47) 19.06.2024	(51) F04B 27/18	(51) F04B 51/00
(22) 19.03.2019	(11) EP3951173	F04B 49/22
(54) SYSTEM AND METHOD FOR TESTING AN ENERGY STORAGE DEVICE OF A WIND TURBINE PITCH SYSTEM	(21) EP20783639.6	F04B 23/02
(73) General Electric Renovables España, S.L.	(47) 19.06.2024	F04B 49/06
(72) Gonzales Castro, Jorge	(87) JP2020015175	(11) EP3864293
Melius, Jeffrey Alan	(08.10.2020)	(21) EP18943115.8
Hoffmann, Till	(2) 02.04.2020	(47) 19.06.2024
(31) 201815924529	(54) CAPACITY CONTROL VALVE	(87) US2018065152
(32) 19.03.2018	(73) Eagle Industry Co., Ltd.	18.06.2020
(33) United States of America	(72) HAYAMA, Masahiro	(22) 12.12.2018
(51) F03D 17/00	SHIRAFUJI, Keigo	(54) RAIL PRESSURE CONTROL FOR NOISE REDUCTION
F03D 80/50	FUKUDOME, Kohei	(73) Cummins, Inc.
G05B 23/02	EJIMA, Takahiro	Purekar, Dhanesh M.
G05B 19/042	(31) 2019071630	(72) PUREKAR, Dhanesh M.
(11) EP3628862	(32) 03.04.2019	
(21) EP19200035.4	(33) Japan	(51) F04B 53/14
(47) 19.06.2024	(51) F04B 37/14	F16J 15/3232
(22) 27.09.2019	F04B 41/06	F16J 15/3236
(54) METHOD FOR CONTROLLING MALFUNCTIONS IN WIND ENERGY INSTALLATIONS AND CORRESPONDING SYSTEM	F04C 23/00	F16J 15/3248
(73) Siemens Gamesa Renewable Energy Service GmbH	(11) EP4069976	F16J 15/3268
(72) Pleißner, Matthias	(21) EP19816291.9	(11) EP3908772
(31) 102018007690	(47) 19.06.2024	(21) EP20706867.7
(32) 28.09.2018	(87) EP2019083664	(47) 19.06.2024
(33) Germany	10.06.2021	(87) US2020013356
(51) F03G 7/04	(2) 04.12.2019	16.07.2020
F03G 7/00	(54) REDUNDANT PUMPING SYSTEM AND PUMPING METHOD BY MEANS OF THIS PUMPING SYSTEM	(22) 13.01.2020
F24T 10/00	(73) Ateliers Busch S.A.	(54) MULTIPLE COMPONENT SEAL ASSEMBLY
F24T 10/40	(72) LARCHER, Jean-Eric	(73) A.W. Chesterton Company
F24T 50/00	ALERS, Paul	(72) AL-DARRA, Pierre Aouni, Alfons
F03G 4/00	KIM, Jehong	(31) 201962791530 P
(11) EP3827169	(51) F04B 43/04	(32) 11.01.2019
(21) EP19851602.3	F04B 43/06	(33) United States of America
(47) 19.06.2024	F04B 43/02	(51) F04C 18/32
(87) IB2019055452	F04B 43/00	F04C 29/00
27.02.2020	F04B 53/22	F04C 29/02
(22) 27.06.2019	G01N 1/40	F01C 21/10
(54) SYSTEM FOR OPTIMIZING AND MAINTAINING POWER PLANT PERFORMANCE	A01C 21/00	(11) EP4056849
(73) Ormat Technologies Inc.	B01D 29/66	(21) EP20901818.3
(72) HUBERMAN, Rachel	(11) EP4143528	(47) 19.06.2024
LEGMANN, Hilel	(21) EP21719258.2	(87) JP2020044495
BULGAKOV, Evgeni	(47) 19.06.2024	24.06.2021
(31) 201862720443 P	(87) IB2021052872	(22) 30.11.2020
(32) 21.08.2018	04.11.2021	(54) COMPRESSOR
(33) United States of America	(22) 07.04.2021	(73) Daikin Industries, Ltd.
(51) F04B 17/03	(54) MICROFLUIDIC PROCESSING SYSTEM AND METHOD OF AGRICULTURAL SLURRY	(72) MASUDA, Masanori
F04B 23/02	(73) Precision Planting LLC	(31) 2019227029
F04B 23/04	(72) MINARICH, Nicholas	(32) 17.12.2019
(11) EP4056847	LITWILLER, Riley	(33) Japan
(21) EP22275025.9	SWANSON, Todd	(51) F04C 18/52
(47) 19.06.2024	KOCH, Dale	F25B 1/047
(22) 02.03.2022	SCHAEFER, Timothy	(11) EP3425202
(54) HYDRAULIC PUMP SYSTEM	(31) 202063018153 P	(21) EP16892504.8
(73) J.C. Bamford Excavators Limited	202063017840 P	(47) 19.06.2024
(72) Shankar, Ravi	202063017789 P	(87) JP2016056265
Brenner, Paul	(32) 30.04.2020	08.09.2017
	30.04.2020	(22) 01.03.2016
	30.04.2020	(54) SCREW COMPRESSOR AND REFRIGERATION CYCLE DEVICE
	30.04.2020	(73) Mitsubishi Electric Corporation
	(33) United States of America	(72) SHIMOJI, Mihoko
		NAGATA, Hideaki
		KAMIKAWA, Masaaki
		(51) F04D 15/00

(11) EP3592979	(31) 201903892	(72) GUSI GRACIA, Carlos Joaquin
(21) EP18710820.4	(32) 21.03.2019	(31) 20382848
(47) 19.06.2024	(33) United Kingdom	(32) 25.09.2020
(87) EP2018055602	(51) F15B 13/02	(33) European Patent Office (EPO)
13.09.2018	F16K 11/044	(51) F16B 12/20
(22) 07.03.2018	F16K 15/02	(11) EP4162165
(54) METHOD FOR CONTROLLING THE ROTATIONAL SPEED OF A CENTRIFUGAL PUMP	(11) EP4089290	(21) EP21722812.1
(73) KSB SE & Co. KGaA	(21) EP21461539.5	(47) 19.06.2024
(72) SCHULLERER, Joachim	(47) 19.06.2024	(87) EP2021061072
ECKL, Martin	(22) 12.05.2021	16.12.2021
(31) 102017203990	(54) SHUTTER VALVES	(22) 28.04.2021
(32) 10.03.2017	(73) Goodrich Corporation	(54) FITTING FOR FURNITURE PARTS
(33) Germany	(72) Kielczykowski, Piotr	(73) Häfele Berlin GmbH & Co KG
(51) F04D 19/04	Kielczykowski, Przemyslaw	(72) ARNOLD, Lorenz
F04D 29/58	(51) F15B 20/00	MERZ, Ulrich
F04D 27/00	F15B 19/00	(31) 202020103273 U
(11) EP3633203	F15B 21/044	(32) 08.06.2020
(21) EP18810257.8	F15B 21/08	(33) Germany
(47) 19.06.2024	F15B 13/044	(51) F16B 19/10
(87) JP2018019824	F15B 13/04	(11) EP4145004
06.12.2018	(11) EP4121660	(21) EP21195128.0
(22) 23.05.2018	(21) EP21717677.5	(47) 19.06.2024
(54) VACUUM PUMP COMPRISING A HEATING DEVICE	(47) 19.06.2024	(22) 06.09.2021
(73) Edwards Japan Limited	(87) US2021022558	(54) BLIND FASTENER WITH IMPROVED STEM AND METHOD OF SETTING THE SAME
(72) TAKAADA, Tsutomu	23.09.2021	(73) Newfrey LLC
MAEJIMA, Yasushi	(22) 16.03.2021	(72) Hofmann, Lukas
OHTACHI, Yoshinobu	(54) AUTOMATIC AIR BLEEDING SYSTEM FOR HYDRAULICS	Lutz, Oliver
(31) 2017106108	(73) Woodward, Inc.	(51) F16B 25/00
(32) 30.05.2017	(72) SUTKOWSKI, Krzysztof	(11) EP4158208
(33) Japan	REDZINA, Marek Kazimierz	(21) EP21727430.7
(51) F04D 23/00	(31) 202062990037 P	(47) 19.06.2024
F04D 29/70	(32) 16.03.2020	(87) EP2021063153
F04F 5/24	(33) United States of America	02.12.2021
H01M 8/04089	(51) F16B 5/02	(22) 18.05.2021
H01M 8/04119	E04H 12/08	(54) SEPARATE SCREW THREAD HELIX FIXED BY MEANS OF CLAWS
(11) EP3918653	F03D 13/10	(73) Hilti Aktiengesellschaft
(21) EP20700437.5	F03D 13/25	(72) ZIELBAUER, Florian
(47) 19.06.2024	(11) EP3623645	SCHNEIDER, Roland
(87) EP2020050244	(21) EP19187096.3	DOMANI, Guenter
06.08.2020	(47) 19.06.2024	GEBAUER, Christian
(22) 08.01.2020	(22) 18.07.2019	(31) 20177116
(54) SUPPLYING DEVICE FOR AN ANODE CYCLE OF A FUEL CELL SYSTEM FOR SUPPLYING A GASEOUS FLUID	(54) SUPPORT STRUCTURE FOR A WIND TURBINE MAST AND METHOD FOR REALIZING A BOLT CONNECTION BETWEEN CONNECTING FLANGES OF A WIND TURBINE MAST AND A SUPPORT STRUCTURE FOR A WIND TURBINE MAST	(32) 28.05.2020
(73) Robert Bosch GmbH	(73) DEME Offshore BE NV	(33) European Patent Office (EPO)
(72) HERO, Alexander	(72) HOLVOET, Mathieu	(51) F16C 17/04
MERZ, Armin	VAN DE VELDE, Kevin Ludo Pegie	F16C 33/10
(31) 102019201183	RABAUT, Dieter Wim Jan	F16C 25/02
(32) 30.01.2019	(31) 201805629	F16C 29/10
(33) Germany	(32) 13.09.2018	F16C 29/12
(51) F04D 29/42	(33) Belgium	F16C 29/02
F04D 27/02	(51) F16B 7/04	F16C 33/20
F04D 29/02	A47G 25/06	(11) EP3921554
(11) EP3712440	F16B 7/22	(21) EP20704235.9
(21) EP20159325.8	(11) EP4196690	(47) 19.06.2024
(47) 19.06.2024	(21) EP21791454.8	(87) EP2020052788
(22) 25.02.2020	(47) 19.06.2024	13.08.2020
(54) TURBOCHARGER COMPRESSOR HOUSING	(87) IB2021058638	(22) 05.02.2020
(73) Ford Global Technologies, LLC	31.03.2022	(54) SLIDING ELEMENT
(72) WATTON, Sam	(22) 22.09.2021	(73) Igus GmbH
NEWMAN, Carl, Stephen	(54) ANCHORING ELEMENT, ASSEMBLY AND SYSTEM	(72) MOSHAMMER, Horst
WELLS, Ryan	(73) Gerox Works, S.L.	(31) 202019100666 U
O'SULLIVAN, Pierce		(32) 05.02.2019
JOHNSON, Steve		(33) Germany
		(51) F16C 17/14
		F16C 33/14

F16C 17/02	F16D 11/14	(73) Huawei Digital Power Technologies Co., Ltd.
F16C 17/04	(11) EP3701169	(72) HE, Jianjun
F16C 33/04	(21) EP18801155.5	HE, Yuhui
F16C 33/26	(47) 19.06.2024	(31) 202110608643
F16C 33/12	(87) US2018057383	(32) 01.06.2021
(11) EP3743630	02.05.2019	(33) China
(21) EP19743887.2	(22) 24.10.2018	(51) F16F 15/26
(47) 19.06.2024	(54) TORQUE LIMITING CLUTCH	F16C 19/22
(87) US2019013604	(73) TEAM Industries, Inc.	F16C 19/46
01.08.2019	(72) MAKI, Gregory Lee	F16C 33/58
(22) 15.01.2019	(31) 201762577913 P	(11) EP3762628
(54) CORROSION RESISTANT BEARING ELEMENTS, BEARING ASSEMBLIES, AND METHOD FOR MANUFACTURING A BEARING ASSEMBLY	(32) 27.10.2017	(21) EP19712133.8
(73) US Synthetic Corporation	(33) United States of America	(47) 19.06.2024
(72) GONZALEZ, Jair Jahaziel	(51) F16D 13/62	(87) DE2019100190
(31) 201862687080 P	(11) EP4121665	12.09.2019
201862620840 P	(21) EP21713619.1	(22) 04.03.2019
(32) 19.06.2018	(47) 19.06.2024	(54) BALANCING SHAFT
23.01.2018	(87) EP2021056836	(73) Schaeffler Technologies GmbH & Co. KG
(33) United States of America	23.09.2021	(72) KOCH, Sebastian
United States of America	(22) 17.03.2021	DORN, Stefan
(51) F16C 33/10	(54) CLUTCH PLATE CARRIER FOR A MULTIPLATE CLUTCH AND METHOD FOR THE PRODUCTION OF SAME	(31) 102018105186
F16C 17/02	(73) VOLKSWAGEN	(32) 07.03.2018
C10M 101/00	AKTIENGESELLSCHAFT	(33) Germany
(11) EP4130500	(72) GORGES, Sebastian	(51) F16H 63/30
(21) EP22184326.1	HENZE, Jens	F16H 63/34
(47) 19.06.2024	KATLUHN, Alexandra	F16H 59/68
(22) 12.07.2022	(31) 102020107436	(11) EP4264089
(54) BEARING DEVICE AND METHOD FOR DRIVING BEARING DEVICE	(32) 18.03.2020	(21) EP21839981.4
(73) KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	(33) Germany	(47) 19.06.2024
(72) TAKAGAWA, Yusaku	(51) F16D 55/08	(87) EP2021086307
MATSUDA, Mariko	F16D 55/22	30.06.2022
OKITA, Keisuke	F16D 65/08	(22) 16.12.2021
(31) 2022015976	F16D 65/092	(54) ACTUATOR, AND DEVICE FOR ENGAGING A PARKING LOCK OF A MOTOR VEHICLE AUTOMATIC TRANSMISSION HAVING SUCH AN ACTUATOR, AND MOTOR VEHICLE EQUIPPED THEREWITH
2021127008	F16D 65/12	(73) Küster Holding GmbH
(32) 03.02.2022	F16D 65/18	(72) ROTH, Karsten
02.08.2021	H02K 7/102	(31) 102020134504
(33) Japan	F16D 65/00	(32) 21.12.2020
Japan	B60B 27/00	(33) Germany
(51) F16C 33/12	F16F 15/12	(51) F16J 9/16
F16C 33/14	F16D 121/14	(11) EP3889472
F16C 33/30	F16D 55/00	(21) EP20167768.9
F16C 33/44	(11) EP3794247	(47) 19.06.2024
F16C 33/56	(21) EP19722791.1	(22) 02.04.2020
F16C 33/64	(47) 19.06.2024	(54) PISTON RING PACKAGE
F16C 33/78	(87) EP2019025127	(73) Winterthur Gas & Diesel Ltd.
F16C 33/58	21.11.2019	(72) Räss, Konrad
C23C 4/01	(22) 25.04.2019	(51) F16J 13/14
C23C 4/12	(54) BRAKE ASSEMBLY FOR AN ELECTRIC MOTOR	B25B 27/02
C23C 24/04	(73) Sew-Eurodrive GmbH & Co. KG	F02B 77/00
B33Y 10/00	(72) RIEGER, Florian	F16J 15/04
B33Y 80/00	FICHTNER-PFLAUM, Gerolf	F16L 55/11
(11) EP3647615	(31) 102018003843	B21D 35/00
(21) EP19202393.5	(32) 14.05.2018	(11) EP3404297
(47) 19.06.2024	(33) Germany	(21) EP18160473.7
(22) 10.10.2019	(51) F16D 65/18	(47) 19.06.2024
(54) METALLIC ROLLING BEARING COMPONENT	F16D 55/227	(22) 07.03.2018
(73) Aktiebolaget SKF	F16D 55/48	(54) CLOSING LID FOR CLOSING A BORE, AS WELL AS A DEVICE FOR GRIPPING A CORRESPONDING CLOSURE LID
(72) von Schleinitz, Thilo	F16D 65/56	(73) E. Winkemann GmbH
(31) 102018218507	(11) EP4098903	(72) Stedtnitz, Tim
(32) 29.10.2018	(21) EP22176822.9	(31) 102017110975
(33) Germany	(47) 19.06.2024	
(51) F16D 7/02	(22) 01.06.2022	
	(54) BRAKE APPARATUS AND AUTOMOBILE	

(32) 19.05.2017	SCHUBERT, Jan-Eike	(87) IB2020058176
(33) Germany	(31) 102020121357	11.03.2021
(51) F16J 15/08	(32) 13.08.2020	(22) 02.09.2020
F16J 15/06	(33) Germany	(54) A VALVE, IN PARTICULAR FOR
F01D 9/02	(51) F16K 11/044	HOUSEHOLD APPLIANCES
F01D 11/00	F16K 11/056	(73) R.P.E. S.r.l.
(11) EP4023856	F16K 31/06	(72) BERLUSCONI, Giordano
(21) EP21215451.2	(11) EP3824209	TACCONI, Luca
(47) 19.06.2024	(21) EP19742358.5	ROIC, Stefano
(22) 17.12.2021	(47) 19.06.2024	(31) 201900015384
(54) TURBOMACHINE WITH MAGNETIC	(87) EP2019069465	(32) 02.09.2019
SEALING ARRANGEMENT	23.01.2020	(33) Italy
(73) General Electric Technology GmbH	(22) 19.07.2019	(51) F16K 99/00
(72) HUGHES, Michael John	(54) VALVE FOR A BIOPROCESS LIQUID	A61M 1/02
BERRY, Jonathan Dwight	(73) Cytiva Sweden AB	B01L 3/00
(31) 202017136131	(72) MADHAVAN NAIR, Krishnadev	G01N 33/49
(32) 29.12.2020	PAUL, Praveen	G01N 35/00
(33) United States of America	MOHAN, Prashanth, Hosabettu	(11) EP3931476
(51) F16K 3/314	BHAT, Manjunath	(21) EP20714766.1
(11) EP3837459	VERNEKAR, Ajit, S.	(47) 19.06.2024
(21) EP19759249.6	(51) F16K 27/00	(87) US2020019914
(47) 19.06.2024	(11) EP3577376	10.09.2020
(87) US2019046323	(21) EP18706649.3	(22) 26.02.2020
20.02.2020	(47) 19.06.2024	(54) CENTRIFUGAL CASSETTE WITH
(22) 13.08.2019	(87) EP2018052342	MOLDED INSERTABLE VALVES
(54) VALVE WITH PRESS-FIT INSERT	09.08.2018	(73) Terumo BCT, Inc.
(73) Proserv Operations, LLC	(22) 31.01.2018	(72) JANZEN, Jesse
(72) WEINTRAUB, Preston	(54) METHOD FOR CONNECTING	KLIMEK, Kevin
(31) 201916530637	AT LEAST TWO FLUID VALVES	LADTKOW, James
201862718292 P	AND THE SYSTEM FOR FLUID	PEERY, Randy
(32) 02.08.2019	COMMUNICATION IMPLEMENTED	GLOOR, Andrew
13.08.2018	(73) Out and Out Chemistry SPRL	(31) 201962812666 P
(33) United States of America	(72) LORENT, Marc	(32) 01.03.2019
United States of America	ORLEANS, Adrien	(33) United States of America
(51) F16K 5/06	VILLERET, Guillaume	(51) F16L 13/14
F16K 11/087	TADINO, Vincent, Luc, Antoine	F16L 37/091
(11) EP3918236	(31) 201705057	(11) EP3865755
(21) EP20706060.9	(32) 31.01.2017	(21) EP18936788.1
(47) 19.06.2024	(33) Belgium	(47) 19.06.2024
(87) IB2020050528	(51) F16K 27/00	(87) CN2018109419
06.08.2020	F16K 43/00	16.04.2020
(22) 23.01.2020	F16L 41/06	(22) 09.10.2018
(54) MULTI-WAY VALVE WITH CARTRIDGE	(11) EP3848622	(54) ANTI-DROPPING STEEL RING AND
AND FLUID MECHANICS INSERTS	(21) EP19857392.5	FIXING SEALING DEVICE FOR PIPE
(73) Giacomini S.p.A.	(47) 19.06.2024	PRESS-FITTING
(72) ZUFFELLATO, Andrea	(87) JP2019028224	(73) Zhuji City Howhi Air Conditioners Made
MOLINA, Samuele	12.03.2020	Co., Ltd.
ARRUS, Paolo	(22) 18.07.2019	(72) HE, Yuguang
ROSA BRUSIN, Marco	(54) INSTALLATION METHOD AND	(51) F16L 23/08
(31) 201900001221	INSTALLATION DEVICE FOR FLUID	(11) EP4010616
(32) 28.01.2019	CONTROL DEVICE	(21) EP20753702.8
(33) Italy	(73) Cosmo Koki Co., Ltd.	(47) 19.06.2024
(51) F16K 7/06	(72) KANETA Naoki	(87) EP2020071796
F16K 27/02	TAMADA Satoshi	11.02.2021
F16K 27/12	(31) 2018166359	(22) 03.08.2020
E05B 57/00	(32) 05.09.2018	(54) CLAMP
E05C 19/00	(33) Japan	(73) NORMA Germany GmbH
(11) EP4196707	(51) F16K 31/06	(72) JAROSZ, Mateusz
(21) EP21723143.0	F16K 27/02	(31) 102019121098
(47) 19.06.2024	F16K 41/04	(32) 05.08.2019
(87) EP2021060389	F16K 31/04	(33) Germany
17.02.2022	F16K 31/00	(51) F16L 37/38
(22) 21.04.2021	F16K 3/24	F16L 37/086
(54) HOUSING	F16K 27/04	F16L 37/12
(73) Sartorius Stedim Systems GmbH	F16K 1/42	F16L 37/36
(72) GOHS, Michael	(11) EP4025814	F16L 37/23
DITTMANN, Simon	(21) EP20781612.5	F16L 55/07
STAPEL, Yannick	(47) 19.06.2024	F16L 37/42

(11) EP3511603	26.05.2020	(72) Riesenhuber, Michael
(21) EP19160487.5	(33) France	Pühringer, Jakob
(47) 19.06.2024	France	
(22) 21.03.2012	France	(51) F21S 43/239
(54) RAPID-CONNECT COUPLER WITH VENT-STOP	(51) F17C 13/00	F21S 43/245
(73) Engineered Controls International, LLC	(11) EP4013989	F21S 43/20
(72) KONISHI, Howard	(21) EP20754752.2	F21S 43/50
(31) 201161454696 P	(47) 19.06.2024	B60R 1/12
(32) 21.03.2011	(87) EP2020072541	B60R 13/04
(33) United States of America	18.02.2021	B60Q 1/00
(51) F16L 37/56	(22) 11.08.2020	B60Q 1/26
F16L 41/12	(54) SEALED AND THERMALLY INSULATING TANK	B60Q 1/32
(11) EP4155596	(73) GAZTRANSPORT ET TECHNIGAZ	B60Q 1/50
(21) EP22197330.8	(72) GIVOLOUP, Hilarion	(11) EP3848628
(47) 19.06.2024	DELANOË, Sébastien	(21) EP21150608.4
(22) 23.09.2022	MOREL, Cédric	(47) 19.06.2024
(54) CONNECTION ASSEMBLY AND COOLING ASSEMBLY	MALOCHET, Matthieu	(22) 07.01.2021
(73) Staubli Faverges	(31) 1909166	(54) A LIGHT EMITTING SYSTEM, A DESIGN ELEMENT, A REAR VIEW DEVICE, A COVERING DEVICE, AND A BODY COMPONENT OF A VEHICLE
(72) DURIEUX, Christophe	(32) 12.08.2019	(73) Motherson Innovations Company Limited
MOREL, Frédéric	(33) France	(72) Rötzer, Ilka
(31) 2110074	(51) F17D 1/04	Messenger, Jacob Heath
(32) 24.09.2021	(11) EP4070008	Chapman-Winter, Mathew
(33) France	(21) EP20812094.9	Nicholson, James
(51) F16M 11/04	(47) 19.06.2024	Bill, Frank
F16M 11/22	(87) EP2020084038	Heib, Sascha Björn
(11) EP3845794	10.06.2021	Koller, Matthias
(21) EP20216763.1	(22) 01.12.2020	Koehne, Shane Randell
(47) 19.06.2024	(54) FLUID PLANT COMPRISING AN EXPANSION SYSTEM, IN PARTICULAR FOR A GAS INSTALLATION	Field, Simon David
(22) 22.12.2020	COMPRISING AN ELECTRICITY GENERATING SYSTEM	Caruso, Dean
(54) DISPLAY APPARATUS AND ASSEMBLY METHOD THEREOF	(73) Terega	Algurabi, Shahad
(73) Samsung Electronics Co., Ltd.	(72) CUREA, Octavian, Flavius	Dekievit, Gary
(72) Kim, Honggyun	BOULEY, Eric, Maurice, Marcel	Edwards, Scott
Lee, Dongjin	CARRERE, David, Alexandre, Jocelyn	Herrmann, Andreas
Jung, Heungsung	(31) 1913887	Thoday, Sam
Park, Yonghwan	(32) 06.12.2019	Belcher, Simon
Lim, Bongsup	(33) France	(31) 202016738513
Lee, Byungnam	(51) F21S 41/14	(32) 09.01.2020
(31) 20200012634	F21S 41/32	(33) United States of America
201962955151 P	F21S 41/26	(51) F21V 17/16
(32) 03.02.2020	(11) EP3636990	F16B 17/00
30.12.2019	(21) EP19212077.2	F16B 21/02
(33) Korea (Republic)	(47) 19.06.2024	F16B 2/22
United States of America	(22) 19.09.2017	(11) EP3205931
(51) F17C 3/02	(54) LIGHTING DEVICE FOR A MOTOR VEHICLE COMPRISING A LIGHT GUIDE	(21) EP15753303.5
(11) EP4158237	(73) Valeo Vision	(47) 19.06.2024
(21) EP21728878.6	(72) COURCIER, Marine	(87) CN2015074691
(47) 19.06.2024	JOERG, Alexandre	14.04.2016
(87) EP2021063860	(31) 1659376	(22) 20.03.2015
02.12.2021	(32) 29.09.2016	(54) SNAP JOINT ASSEMBLY
(22) 25.05.2021	(33) France	(73) BOE Optical Science And Technology Co., Ltd.
(54) ANCHORING DEVICE INTENDED TO RETAIN INSULATING BLOCKS	(51) F21S 41/675	BOE Technology Group Co., Ltd.
(73) GAZTRANSPORT ET TECHNIGAZ	F21S 41/176	(72) WU, Bing
(72) COROT, Sébastien	F21S 41/153	WU, Jiefei
SASSI, Mohamed	F21S 41/24	(31) 201420584286 U
BOUGAULT, Johan	F21S 41/143	(32) 10.10.2014
SARTRE, Nicolas	(11) EP3650744	(33) China
LAURAIN, Nicolas	(21) EP18204874.4	(51) F21V 21/04
HERRY, Mickaël	(47) 19.06.2024	F21V 33/00
DELANOË, Sébastien	(22) 07.11.2018	H04N 23/57
(31) 2101660	(54) MOTOR VEHICLE HEADLAMP LIGHT MODULE	F21W 131/403
2007557	(73) ZKW Group GmbH	F21Y 115/10
2005545		(11) EP3933261
(32) 19.02.2021		(21) EP21173996.6
17.07.2020		(47) 19.06.2024
		(22) 17.05.2021

(54) RECESSED LIGHT AND/OR CAMERA	INTERNALLY MOUNTED TORCH	F24D 19/10
(73) Herbert Waldmann GmbH & Co. KG	IGNITER	(11) EP4200565
(72) Eberhardt, Marcus	(73) Collins Engine Nozzles, Inc.	(21) EP21777844.8
(31) 102020117066	(72) PROCIW, Lev A.	(47) 19.06.2024
(32) 29.06.2020	RYON, Jason A.	(87) IB2021057742
(33) Germany	WILLIAMS, Brandon Phillip	03.03.2022
(51) F21V 29/503	(31) 202017125072	(22) 24.08.2021
F21V 29/508	(32) 17.12.2020	(54) CONTROL METHOD FOR A DISTRICT
F21V 29/70	(33) United States of America	HEATING GRID
(11) EP4274994	(51) F23R 3/34	(73) Politecnico Di Torino
(21) EP21840831.8	F23R 3/36	(72) VERDA, Vittorio
(47) 19.06.2024	B01D 53/86	GUELPA, Elisa
(87) EP2021086257	F02C 9/40	CAPONE, Martina
14.07.2022	F02C 7/18	(31) 202000020344
(22) 16.12.2021	F02C 7/224	(32) 24.08.2020
(54) LED FILAMENT ARRANGEMENT	F02C 7/143	(33) Italy
(73) Signify Holding B.V.	F02C 7/00	(51) F24D 17/00
(72) HIKMET, Rifat, Ata, Mustafa	F02C 3/22	F24D 17/02
VAN BOMMEL, Ties	(11) EP3604772	F24D 3/08
(31) 21150146	(21) EP18777168.8	F24D 3/18
(32) 05.01.2021	(47) 19.06.2024	F24D 5/12
(33) European Patent Office (EPO)	(87) JP2018011720	F24F 12/00
(51) F23D 14/14	04.10.2018	F24F 5/00
H02S 10/30	(22) 23.03.2018	(11) EP3921581
C04B 35/624	(54) GAS TURBINE ENGINE SYSTEM	(21) EP20707355.2
C04B 35/01	(73) IHI Corporation	(47) 19.06.2024
(11) EP3884210	(72) ONISHI, Shogo	(87) EP2020052545
(21) EP19820991.8	ITO, Shintaro	13.08.2020
(47) 19.06.2024	FUJIMORI, Toshiro	(22) 03.02.2020
(87) EP2019081986	SAITOU, Tsukasa	(54) HEAT RECOVERY VENTILATION
28.05.2020	UCHIDA, Masahiro	SYSTEM
(22) 20.11.2019	MIZUTANI, Taku	(73) Bas Air Energy Ab
(54) A SOL-GEL MATERIAL AND USE	KATO, Soichiro	(72) Claesson, Joachim
THEREOF	(31) 2017060961	MOBERG, Arne
(73) Technological University Dublin	(32) 27.03.2017	BREDELL, Stefan
(72) DUFFY, Aidan	(33) Japan	(31) 1950137
NORTON, Brian	(51) F24D 3/10	(32) 06.02.2019
HUSSAIN, C.M. Iftexhar	F24D 19/10	(33) Sweden
OUBAHA, Mohamed	(11) EP4209719	(51) F24D 19/00
(31) 201818900	(21) EP23150526.4	(11) EP3574266
(32) 20.11.2018	(47) 19.06.2024	(21) EP18705092.7
(33) United Kingdom	(22) 06.01.2023	(47) 19.06.2024
(51) F23N 1/00	(54) METHOD FOR OPERATING A HEATING	(87) EP2018051482
F23N 1/02	SYSTEM COMPRISING A MEMBRANE	02.08.2018
F23N 5/00	EXPANSION VESSEL	(22) 22.01.2018
(11) EP4187152	(73) Viessmann Climate Solutions SE	(54) ASSEMBLY COMPRISING A BOILER
(21) EP22208861.9	(72) Kuhlmann, Carsten	AND A MAGNETIC SLUDGE
(47) 19.06.2024	Kirchhoff, Michael	SEPARATOR FILTER
(22) 22.11.2022	Krug, Jens	(73) CI.FA. S.r.l.
(54) A BURNER CONTROL SYSTEM AND	Stein, Robin	(72) CIAVATTINI, Emiliano
A METHOD OF COMMISSIONING A	(31) 102022100365	(31) 201700007368
BURNER COMPRISING THE CONTROL	(32) 10.01.2022	(32) 24.01.2017
SYSTEM	(33) Germany	(33) Italy
(73) Autoflame Engineering Limited	(51) F24D 3/14	(51) F24D 19/00
(72) WILLIAMS, Stuart	F24D 19/00	B01D 35/06
WARD, Duncan	E04G 15/06	B03C 1/02
KEMP, Brendan	(11) EP4098948	F16L 15/02
(31) 202116952	(21) EP22176451.7	(11) EP3665421
(32) 24.11.2021	(47) 19.06.2024	(21) EP18734551.7
(33) United Kingdom	(22) 31.05.2022	(47) 19.06.2024
(51) F23R 3/00	(54) DEVICE FOR FIXING AREA HEATING	(87) EP2018067250
F02C 7/264	PIPES	14.02.2019
(11) EP4015906	(73) KE KELIT GmbH	(22) 27.06.2018
(21) EP21213899.4	(72) Pöchhacker, Martin	(54) MAGNETIC FILTER FOR A CENTRAL
(47) 19.06.2024	(31) 5011421 U	HEATING SYSTEM
(22) 10.12.2021	(32) 01.06.2021	(73) Adey Holdings (2008) Limited
(54) COMBUSTOR FOR GAS TURBINE	(33) Austria	(72) DOWNIE, Simon
ENGINE WITH RADially ORIENTED	(51) F24D 10/00	LEUNG, Kelvin

(31) 201712822	(54) APPLIANCES AND CONTROL METHOD THEREOF	(72) MONTAGNER, Damiano ZOPPAS, Federico
(32) 10.08.2017	(73) Samsung Electronics Co., Ltd.	(31) 201900015488
(33) United Kingdom	(72) KIM, Mingyu	(32) 03.09.2019
(51) F24F 3/14	KIM, Seongsu	(33) Italy
F24F 3/153	CHA, Jaehoon	(51) F24H 9/14
(11) EP3502577	(31) 20170178357	F24H 9/20
(21) EP18214242.2	(32) 22.12.2017	F16K 11/02
(47) 19.06.2024	(33) Korea (Republic)	F16K 41/00
(22) 19.12.2018	(51) F24F 13/14	F16K 27/02
(54) AIR TREATMENT UNIT COMPRISING AN ABSORBING DEVICE AND ASSOCIATED METHOD	F24F 11/00	F16K 11/04
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives	F24F 1/00	F16K 1/00
Energie Transfert Thermique	F24F 1/0014	F16K 11/044
(72) LE BORGNE, Mikael	F24F 11/79	F16K 41/04
BOUDEHENN, François	F24F 13/20	F16K 43/00
DESCHAMPS, Antoine	(11) EP3598017	(11) EP3990836
(31) 1762719	(21) EP17901132.5	(21) EP20747456.0
(32) 21.12.2017	(47) 19.06.2024	(47) 19.06.2024
(33) France	(87) CN2017106284	(87) GB2020000062
(51) F24F 8/117	20.09.2018	30.12.2020
F24F 8/133	(22) 16.10.2017	(22) 24.06.2020
F24F 3/16	(54) AIR OUTLET STRUCTURE, AIR OUTLET METHOD FOR AIR CONDITIONER, AND THE AIR CONDITIONER	(54) A CARTRIDGE FOR A DIVERTER VALVE
A61L 9/14	(73) Gree Electric Appliances, Inc. of Zhuhai	(73) Buycombi Ltd
B01D 47/06	(72) ZHANG, Hui	(72) WEEKS, Donald R.
(11) EP3713612	MENG, Zhi	(31) 201909078
(21) EP17823209.6	WANG, Xianlin	(32) 25.06.2019
(47) 19.06.2024	(31) 201710161275	(33) United Kingdom
(87) IB2017057077	(32) 17.03.2017	(51) F25B 5/02
16.05.2019	(33) China	F25B 6/02
(22) 13.11.2017	(51) F24F 13/24	F25B 13/00
(54) AIR PURIFIER APPARATUS	E04F 13/08	F25B 1/00
(73) Solidea S.r.l.	E04B 9/00	(11) EP4170257
(72) SOLA, Enzo	F24D 3/16	(21) EP20941936.5
BENEDETTI, Gianluca	F24F 5/00	(47) 19.06.2024
VENTURI, Marco	F24F 13/068	(87) JP2020024633
MONTORSI, Igor	F24F 13/078	30.12.2021
(51) F24F 11/00	(11) EP3499145	(22) 23.06.2020
F24F 11/48	(21) EP18212496.6	(54) REFRIGERATION CYCLE DEVICE
F24F 11/74	(47) 19.06.2024	(73) MITSUBISHI ELECTRIC CORPORATION
F24F 110/30	(22) 14.12.2018	(72) ISHIYAMA, Hiroki
F24F 110/40	(54) ARRANGEMENT OF A DEVICE FOR HEATING OR COOLING OF A ROOM AT A CEILING OF THE ROOM	(51) F25B 49/02
(11) EP3992536	(73) Krantz GmbH	F25B 1/00
(21) EP20204721.3	(72) Makulla, Detlef	F25B 41/30
(47) 19.06.2024	Baltes, Martin	(11) EP4160119
(22) 29.10.2020	(31) 102017130081	(21) EP20938279.5
(54) METHOD AND DEVICE FOR DETERMINING THE AIR FLOW VOLUME THROUGH A VENTILATION PIPE OF A VENTILATION SYSTEM	(32) 15.12.2017	(47) 19.06.2024
(73) Siemens AG Österreich	(33) Germany	(87) JP2020020738
(72) Nußbaumer, Lisa Maria	(51) F24H 1/12	02.12.2021
Engelbrecht, Gerhard	F24H 9/1818	(22) 26.05.2020
(51) F24F 11/54	F24H 9/20	(54) COLD SOURCE UNIT, REFRIGERATION CYCLE APPARATUS, AND REFRIGERATOR
F24F 11/63	C09K 5/14	(73) MITSUBISHI ELECTRIC CORPORATION
F24F 13/20	H05B 3/42	(72) NOMOTO, So
H04L 12/28	F24H 7/04	ISHIKAWA, Tomotaka
F24F 1/04	(11) EP4025843	TSUKIYAMA, Ryo
G05B 19/042	(21) EP20780338.8	(51) F25D 17/04
F24F 8/10	(47) 19.06.2024	F25D 29/00
F24F 3/16	(87) IB2020058202	A23B 7/148
(11) EP3669124	11.03.2021	A23L 3/3418
(21) EP18892308.0	(22) 03.09.2020	(11) EP3811770
(47) 19.06.2024	(54) ELECTRIC HEATER FOR HOUSEHOLD APPLIANCE	(21) EP19837825.9
(87) KR2018014916	(73) I.R.C.A. S.p.a. Industria Resistenze Corazzate e Affini	(47) 19.06.2024
27.06.2019		(87) JP2019028287
(22) 29.11.2018		23.01.2020

(22) 18.07.2019	(32) 05.08.2020	(32) 19.09.2019
(54) STORAGE SYSTEM	(33) Italy	(33) Italy
(73) DAIKIN INDUSTRIES, LTD.	(51) F26B 17/12	(51) F28D 7/02
(72) MABUCHI, Shougo	F26B 3/14	F02C 7/14
KAMEI, Noritaka	F26B 21/04	F28D 1/047
TOMITA, Chiharu	(11) EP3317601	F28D 21/00
(31) 2018136484	(21) EP15753322.5	(11) EP3705826
(32) 20.07.2018	(47) 19.06.2024	(21) EP19215931.7
(33) Japan	(87) EP2015065100	(47) 19.06.2024
(51) F25D 23/02	05.01.2017	(22) 13.12.2019
E05D 3/16	(22) 02.07.2015	(54) RADIALLY LAYERED HELICAL CORE
(11) EP4222433	(54) PROCESS AND APPARATUS FOR	GEOMETRY FOR HEAT EXCHANGER
(21) EP21773719.6	HANDLING AND DRYING SOLID	(73) Hamilton Sundstrand Corporation
(47) 19.06.2024	PARTICULATE MATERIAL	(72) MAYNARD, Michael
(87) EP2021074492	(73) Cebcon Technologies GmbH	RUIZ, Gabriel
07.04.2022	(72) DETZEL, Valery	FENG, Feng
(22) 06.09.2021	(51) F27B 1/28	BECENE, Ahmet T.
(54) REFRIGERATOR	F27B 3/28	(31) 201962815838 P
(73) Hettich-ONI GmbH & Co. KG	F27D 21/00	(32) 08.03.2019
(72) TOFALL, Ralf	F27D 21/04	(33) United States of America
SCHNEIDER, Mark	G01N 29/11	(51) F28D 7/16
(31) 102020125600	G01N 29/44	F28F 9/02
(32) 30.09.2020	G01N 29/46	(11) EP3997406
(33) Germany	C21B 7/10	(21) EP20743485.3
(51) F25D 23/06	G01N 29/04	(47) 19.06.2024
F16L 59/06	(11) EP3746727	(87) US2020040251
F16L 59/04	(21) EP18792464.2	21.01.2021
B29C 70/74	(47) 19.06.2024	(22) 30.06.2020
B29C 70/58	(87) IB2018057241	(54) SHELL AND TUBE HEAT EXCHANGER
B29K 509/08	03.10.2019	WITH COMPOUND TUBESHEET
B29L 31/00	(22) 20.09.2018	(73) Carrier Corporation
(11) EP3387350	(54) APPARATUS AND METHOD FOR	(72) VIDETO, Brian, D.
(21) EP16873602.3	DETECTING CRACK PROPAGATION	AVILA, Luis, Felipe
(47) 19.06.2024	IN THE WALL OF A METALLURGICAL	SIENEL, Tobias, H.
(87) US2016063958	FURNACE	COVINGTON, Jefferi, J.
15.06.2017	(73) Tata Steel Limited	(31) 201962873571 P
(22) 29.11.2016	(72) S, Balamurugan	(32) 12.07.2019
(54) VACUUM INSULATION STRUCTURES	Padmapal	(33) United States of America
WITH A FILLER INSULATOR	R, Shunmuga Sundaram	(51) F28F 1/02
(73) Whirlpool Management EMEA S.r.l.	TIWARI, Mayank	(11) EP4177557
(72) NAIK, Abhay	S. INDIMATH, Shivanandan	(21) EP22204727.6
DEKA, Lakshya	KUNDU, Subhashis	(47) 19.06.2024
(31) 201514962822	M, Kokila	(22) 31.10.2022
(32) 08.12.2015	SINGH, Uttam	(54) HEAT TRANSFER DEVICE
(33) United States of America	CHANDRA, Sanjay	(73) Viessmann Climate Solutions SE
(51) F25D 25/02	(31) 201831012060	(72) Hafner, Ulrich
(11) EP3961135	(32) 30.03.2018	(31) 102021128819
(21) EP20193889.1	(33) India	(32) 05.11.2021
(47) 19.06.2024	(51) F27B 3/08	(33) Germany
(22) 01.09.2020	C21C 5/52	(51) F28F 1/32
(54) REFRIGERATOR SHELF	F27B 3/10	(11) EP4130634
(73) Whirlpool Management EMEA S.r.l.	F27D 27/00	(21) EP20928270.6
(72) Bramhane, Ganesh	F27D 3/00	(47) 19.06.2024
(51) F26B 3/04	(11) EP4031823	(87) JP2020014479
F26B 15/12	(21) EP20785856.4	07.10.2021
F26B 25/00	(47) 19.06.2024	(22) 30.03.2020
B65G 43/10	(87) IT2020050223	(54) HEAT EXCHANGER AND
(11) EP4193104	25.03.2021	REFRIGERATION CYCLE DEVICE
(21) EP21759400.1	(22) 15.09.2020	(73) MITSUBISHI ELECTRIC
(47) 19.06.2024	(54) METHOD OF STIRRING LIQUID METAL	CORPORATION
(87) IB2021057080	IN AN ELECTRIC ARC FURNACE	(72) MAEDA, Tsuyoshi
10.02.2022	(73) Danieli & C. Officine Meccaniche S.p.A.	YATSUYANAGI, Akira
(22) 03.08.2021	(72) GAGLIARDI, Nicola	(51) F28F 3/08
(54) DRYER FOR CERAMIC PRODUCTS	CODUTTI, Andrea	F28D 9/00
(73) System Ceramics S.p.A.	BURIN, Paolo	(11) EP4086562
(72) TARASCO, Eustachio	SELLAN, Romano	(21) EP21171915.8
SANGIOVANNI, Carmine	PATRIZIO, Damiano	(47) 19.06.2024
(31) 202000019264	(31) 201900016790	

(22) 04.05.2021	F42C 9/16	(11) EP4143501
(54) ATTACHMENT MEANS AND HEAT TRANSFER PLATE	(11) EP4176225	(21) EP21705410.5
(73) Alfa Laval Corporate AB	(21) EP21722465.8	(47) 19.06.2024
(72) RASMUSSEN, Jenny	(47) 19.06.2024	(87) ZA2021050005
(51) F28F 9/00	(87) EP2021061384	04.11.2021
B21D 53/02	06.01.2022	(22) 02.02.2021
F28F 9/02	(22) 30.04.2021	(54) WIRELESS BLASTING SYSTEM
F28F 3/08	(54) FUZE COMPRISING A SELF-DESTRUCTION DEVICE FOR A GYRATORY PROJECTILE	(73) Detnet South Africa (Pty) Ltd
F28D 9/00	(73) Dixi Microtechniques	(72) MULLER, Elmar Lennox
(11) EP4045863	(72) LEMERCIER, Florent	LIEBENBERG, Abraham Johannes
(21) EP20800015.8	DUBOIS, Sébastien	MEYER, Tielman Christiaan
(47) 19.06.2024	GUYON, Philippe	(31) 20001120
(87) EP2020078901	(31) 2006757	(32) 29.04.2020
22.04.2021	(32) 02.07.2020	(33) Namibia
(22) 14.10.2020	(33) France	(51) G01B 5/00
(54) HEAT EXCHANGER	(51) F42D 1/00	G01B 11/27
(73) Pleat AS	(11) EP4143499	G01B 11/30
Hydroniq Coolers AS	(21) EP21723634.8	G01B 11/24
(72) GODESET, Otto	(47) 19.06.2024	(11) EP3436774
SÆGROV, Stein Oddvar	(87) ZA2021050024	(21) EP17724621.2
MYKLEBUST, Rune	04.11.2021	(47) 19.06.2024
(31) 20191221	(22) 23.04.2021	(87) IB2017051773
(32) 14.10.2019	(54) DETONATOR POSITION DETERMINATION	05.10.2017
(33) Norway	(73) Detnet South Africa (Pty) Ltd	(22) 28.03.2017
(51) F28F 9/02	(72) SCHLENTER, Craig	(54) SHAPE-DETECTING MACHINE FOR SLENDER ARTICLES
F28F 9/26	YATES, Marinus	(73) RDE Company S.r.l.
F28F 27/02	(31) 20001220	(72) BOMBA, Gabriele
F28G 1/12	(32) 29.04.2020	(31) UA20162236
F25B 39/04	(33) Namibia	(32) 01.04.2016
F28F 27/00	(51) F42D 1/05	(33) Italy
(11) EP4119883	F42C 15/42	(51) G01B 7/06
(21) EP20941063.8	(11) EP4143500	(11) EP4001829
(47) 19.06.2024	(21) EP21705091.3	(21) EP21208258.0
(87) CN2020135557	(47) 19.06.2024	(47) 19.06.2024
23.12.2021	(87) ZA2021050006	(22) 15.11.2021
(22) 11.12.2020	04.11.2021	(54) COATING THICKNESS MEASUREMENT INSTRUMENT AND METHOD
(54) END COVER STRUCTURE AND WATER CHILLER	(22) 02.02.2021	(73) Elcometer Limited
(73) Chongqing Midea General Refrigeration Equipment Co., Ltd.	(54) WIRELESS DETONATOR ASSEMBLY	(72) Coulton, Simon
(72) CHEN, Gaifang	(73) Detnet South Africa (Pty) Ltd	May, Philip
ZHOU, Dengqing	(72) MULLER, Elmar Lennox	Dodd, Alan
LU, Hailong	MEYER, Tielman Christiaan	Jimenez-Lopez, Maria
WANG, Li	LIEBENBERG, Abraham Johannes	(31) 202018269
(31) 202010554731	(31) 1020 P	(32) 20.11.2020
(32) 17.06.2020	(32) 29.04.2020	(33) United Kingdom
(33) China	(33) Namibia	(51) G01B 11/06
(51) F42B 15/00	(51) F42D 1/055	H01J 37/20
F02C 7/042	F42D 1/02	(11) EP3848669
B64D 33/02	(11) EP4150290	(21) EP20213469.8
(11) EP3721164	(21) EP21727774.8	(47) 19.06.2024
(21) EP18811335.1	(47) 19.06.2024	(22) 11.12.2020
(47) 19.06.2024	(87) ZA2021050030	(54) HEIGHT MEASURING DEVICE, CHARGED PARTICLE BEAM APPARATUS, AND HEIGHT MEASURING METHOD
(87) GB2018053416	18.11.2021	(73) JEOL Ltd.
13.06.2019	(22) 07.05.2021	(72) AIDA, Yukinori
(22) 27.11.2018	(54) BLASTING SYSTEM	(31) 2020000798
(54) AIR INTAKE COVER	(73) Detnet South Africa (Pty) Ltd	(32) 07.01.2020
(73) MBDA UK Limited	(72) YATES, Marinus	(33) Japan
(72) HOWARTH, Anthony, James	SCHLENTER, Craig	(51) G01B 11/12
(31) 201720377	(31) 20001420	G01B 11/10
18151822	(32) 15.05.2020	G01B 11/06
(32) 07.12.2017	(33) Namibia	(11) EP4007887
16.01.2018	(51) F42D 1/055	(21) EP20758349.3
(33) United Kingdom	F42D 5/00	(47) 19.06.2024
European Patent Office (EPO)	F42D 1/045	
(51) F42C 9/18	F42C 15/42	
F42C 15/188	F42D 5/02	

(87) IB2020057251 11.02.2021	G06T 1/00 B60T 7/12	(51) G01C 21/00 (11) EP4065932
(22) 31.07.2020	B60T 7/22	(21) EP20767546.3
(54) APPARATUS AND METHOD OF MEASURING THE INNER DIAMETER OF A TUBE ALONG THE RESPECTIVE PRODUCTION LINE	G01C 3/14 G08G 1/01 G06V 20/58 G08G 1/04	(47) 19.06.2024 (87) EP2020074646 03.06.2021 (22) 03.09.2020
(73) Nirox S.r.l.	(11) EP3382336	(54) METHOD OF PROVIDING MAP DATA FOR AT LEAST TWO TYPES OF ZONES
(72) BANDERA, Andrea PASQUALI, Andrea DONINI, Maurizio	(21) EP16868359.7 (47) 19.06.2024 (87) JP2016082901 01.06.2017	(73) Bayerische Motoren Werke Aktiengesellschaft
(31) 201900013845	(22) 07.11.2016	(72) DIRNECKER, Johannes SONNTAG, Achim
(32) 02.08.2019	(54) STEREO CAMERA DEVICE	DITZELL, Irmengard HOFMEIER, Harald EWERS, Marcel
(33) Italy	(73) Hitachi Astemo, Ltd. (72) MATSUO, Shigeru NAGASAKI, Takeshi KITAMURA, Tadaaki NONAKA, Shinichi	(31) 102019132374 (32) 28.11.2019 (33) Germany
(51) G01B 11/24 G01B 11/245 G01B 11/27	(31) 2015229272 (32) 25.11.2015 (33) Japan	(51) G01C 21/20 G01C 21/34 G06Q 10/047
(11) EP4305379	(51) G01C 9/18 G01C 5/06	(11) EP4033206 (21) EP22152597.5 (47) 19.06.2024 (22) 21.01.2022
(21) EP22707088.5	(11) EP3783307 (21) EP19192968.6 (47) 19.06.2024 (22) 21.08.2019	(54) AUTONOMOUS VEHICLE MANAGEMENT IN AN OPERATING ENVIRONMENT
(47) 19.06.2024	(73) Hexagon Technology Center GmbH (72) REBHANDL, Wolfgang WENK, Markus	(73) Rapyuta Robotics Co., Ltd. (72) KOENIG, Dale KHOKALE, Veeraj S SHARMA, Abhishek
(87) EP2022054059 15.09.2022	(51) G01C 19/5783 G01P 15/125	(31) 202117539223 202163140299 P (32) 01.12.2021 22.01.2021 (33) United States of America United States of America
(22) 18.02.2022	(11) EP3717868 (21) EP18769559.8 (47) 19.06.2024 (87) US2018048150 06.06.2019	(51) G01C 21/20 G06N 3/02 G01C 21/28 G01C 21/36 G06N 3/084 G06T 7/73 G06V 10/82 G06V 20/56 G06V 10/764 G06N 3/045 (11) EP3690397 (21) EP20152584.7 (47) 19.06.2024 (22) 20.01.2020
(54) METHOD AND DEVICE FOR OPTICALLY MEASURING A THREAD	(54) MEMS SENSOR WITH OFFSET ANCHOR LOAD REJECTION	(54) METHOD AND DEVICE FOR LOCALIZATION OF AUTONOMOUS VEHICLE FOR ROUTE PLANNING BY USING ATTENTION-DRIVEN LANDMARK DETECTION
(73) SMS Group GmbH	(73) InvenSense, Inc. (72) THOMPSON, Matthew BALDASARRE, Leonardo NITZAN, Sarah JOHARI-GALLE, Hourri WILLIAMS, Kirt	(73) StradVision, Inc. (72) JE, Hongmo CHO, Hojin JANG, Taewoong RYU, Wooju YEO, Donghun KIM, Yongjoong KIM, Hak-Kyoung SHIN, Dongsoo
(72) CHRISTIAN, Holländer D'HONE, Frank HÖFER, Michael	(31) 201715828323 (32) 30.11.2017 (33) United States of America	
(31) 102021202213	(51) G01C 21/00 (11) EP4027111 (21) EP20874361.7 (47) 19.06.2024 (87) JP2020028408 15.04.2021	
(32) 08.03.2021	(54) VEHICULAR ELECTRONIC DEVICE, CONTROL METHOD, AND PROGRAM	
(33) Germany	(73) JVCKenwood Corporation (72) KOJIMA, Tomoki SUGATA, Akinori MURAKAMI, Yukihiko	
(51) G01B 11/25 G03B 21/20 A61C 9/00 G06T 7/521 H04N 13/254 H04N 13/271	(31) 2019185735 (32) 09.10.2019 (33) Japan	
(11) EP3885700		
(21) EP19888068.4		
(47) 19.06.2024		
(87) CN2019119446 28.05.2020		
(22) 19.11.2019		
(54) THREE-DIMENSIONAL SCANNING SYSTEM		
(73) Shining3D Tech Co., Ltd. (72) MA, Chao YE, Zi		
(31) 201811378663		
(32) 19.11.2018		
(33) China		
(51) G01B 11/275		
(11) EP4141382		
(21) EP22188471.1		
(47) 19.06.2024		
(22) 03.08.2022		
(54) MEASUREMENT SYSTEM FOR WHEEL ALIGNMENT OF VEHICLES WITH TWO OR MORE AXLES AND RELATED MEASUREMENT METHOD		
(73) Green Gem S.r.l. (72) AIMINO, Felice (31) 202100022529 (32) 30.08.2021 (33) Italy		
(51) G01C 3/06 G08G 1/16		

SUNG, Myungchul Boo, SukHoon LEE, Hyungsoo NAM, Woonhyun KIM, Kye-Hyeon JEONG, Kyungjoong LEE, Myeong-Chun (31) 201916731093 201962798574 P (32) 31.12.2019 30.01.2019 (33) United States of America United States of America	(11) EP4103913 (21) EP21711364.6 (47) 19.06.2024 (87) IB2021051166 19.08.2021 (22) 12.02.2021 (54) HIGH SAMPLING RATE OPTICAL FIBER SENSOR (73) Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna - Istituto Tecip (72) OTON, Claudio (31) 202000002956 (32) 14.02.2020 (33) Italy	SATO, Yutaka NARUKO, Ryoma (31) 2018142549 (32) 30.07.2018 (33) Japan
(51) G01C 21/34 (11) EP3999807 (21) EP20739986.6 (47) 19.06.2024 (87) EP2020069723 28.01.2021 (22) 13.07.2020 (54) GENERATING SEGMENT DATA (73) TomTom Traffic B.V. (72) BEIER, Rene MIETH, Peter VAN DER LAAN, Antoine Carl (31) 201910274 (32) 18.07.2019 (33) United Kingdom	(31) 202000002956 (32) 14.02.2020 (33) Italy (51) G01F 1/667 G01F 15/00 G01F 1/66 G01F 15/14 G01F 15/18 (11) EP2802846 (21) EP12864708.8 (47) 19.06.2024 (87) US2012052986 18.07.2013 (22) 30.08.2012 (54) METER HAVING BANDED SHROUD (73) Micro Motion, Inc. (72) ALLEN, Charles Robert GREWAL, Randeep Singh (31) 201261585968 P (32) 12.01.2012 (33) United States of America	(51) G01F 23/296 G01N 9/00 G01N 11/16 G01F 1/84 (11) EP4168758 (21) EP21733787.2 (47) 19.06.2024 (87) EP2021066258 23.12.2021 (22) 16.06.2021 (54) VIBRONIC SENSOR (73) Endress+Hauser SE+Co. KG (72) SCHLEIFERBÖCK, Jan BRENGARTNER, Tobias MONSE, Benjamin (31) 102020116281 (32) 19.06.2020 (33) Germany
(51) G01D 3/08 G01D 5/244 G01D 5/14 (11) EP4182636 (21) EP21740519.0 (47) 19.06.2024 (87) EP2021069084 20.01.2022 (22) 08.07.2021 (54) APPARATUS FOR DETECTING SENSOR ERROR (73) Analog Devices International Unlimited Company (72) GORBOLD, Jeremy Richard GUYOL, Robert COSGROVE, Gavin Patrick STEGEN, James Anthony (31) 202016928930 (32) 14.07.2020 (33) United States of America	(72) ALLEN, Charles Robert GREWAL, Randeep Singh (31) 201261585968 P (32) 12.01.2012 (33) United States of America (51) G01F 1/84 (11) EP4028731 (21) EP20761192.2 (47) 19.06.2024 (87) EP2020073395 18.03.2021 (22) 20.08.2020 (54) METHOD FOR OPERATING A MEASURING DEVICE WITH AT LEAST ONE OSCILLATOR, AND MEASURING DEVICE FOR CARRYING OUT SAID METHOD (73) Endress + Hauser Flowtec AG (72) HUBER, Reinhard ANKLIN, Martin Josef LALLA, Robert SCHERRER, Rémy (31) 102019124709 (32) 13.09.2019 (33) Germany	(51) G01F 23/296 G01N 29/024 G01F 23/2962 (11) EP4094056 (21) EP20820879.3 (47) 19.06.2024 (87) EP2020084845 29.07.2021 (22) 07.12.2020 (54) FLUID SENSOR ASSEMBLY FOR DETERMINING A FLUID LEVEL AND/ OR A FLUID QUALITY, AND SENSOR ASSEMBLY MANUFACTURING METHOD (73) Vitesco Technologies Germany GmbH (72) PFEIFFER, Karl-Friedrich ROTH, Manfred GROTEVENT, Henning (31) 102020200771 (32) 23.01.2020 (33) Germany
(51) G01D 5/00 G08C 19/02 H04J 3/06 (11) EP3752795 (21) EP19705729.2 (47) 19.06.2024 (87) EP2019053478 22.08.2019 (22) 13.02.2019 (54) METHOD FOR TRANSMITTING SENSOR INFORMATION (73) Continental Automotive Technologies GmbH (72) Brüggemann, stephan Eckrich, Jörg Voht, Wjatscheslaw (31) 102018202333 (32) 15.02.2018 (33) Germany	(51) G01F 22/00 G01F 17/00 G01N 7/00 (11) EP3832269 (21) EP19843340.1 (47) 19.06.2024 (87) JP2019027689 06.02.2020 (22) 12.07.2019 (54) RESIDUAL GAS VOLUME MEASURING DEVICE, RESIDUAL GAS VOLUME MEASURING METHOD, AND PUNCTURE MEMBER (73) Kyoto Electronics Manufacturing Co., Ltd. (72) AOYAMA, Kazuhiro	(51) G01G 3/00 G01G 19/08 G01G 23/01 (11) EP3861306 (21) EP19869833.4 (47) 19.06.2024 (87) CA2019051382 09.04.2020 (22) 27.09.2019 (54) METHOD AND APPARATUS FOR CARGO MASS ESTIMATION USING A VERTICAL ACCELEROMETER (73) Malikie Innovations Limited (72) BELL, Gordon (31) 201816149732 (32) 02.10.2018 (33) United States of America (51) G01G 19/08 G01G 3/16 G01G 23/01 (11) EP3953669 (21) EP20814841.1 (47) 19.06.2024 (87) CA2020050719
(51) G01D 5/353		

03.12.2020	(11) EP4330642	(32) 24.04.2014
(22) 27.05.2020	(21) EP22846919.3	(33) Germany
(54) METHOD AND SYSTEM FOR SHIPPING CONTAINER LOAD ESTIMATION	(47) 19.06.2024	(51) G01K 1/16
(73) BlackBerry Limited	(87) GB2022053341	G01K 1/143
(72) QU, Shouxing	29.06.2023	G01K 7/02
MONTEMURRO, Michael Peter	(22) 21.12.2022	G01K 7/16
(31) 201916423719	(54) ELECTROMAGNETIC RADIATION MEASUREMENT DEVICE	G01K 17/00
(32) 28.05.2019	(73) NPL Management Limited	(11) EP4055358
(33) United States of America	(72) CASTRO, Fernando	(21) EP20800636.1
(51) G01J 1/42	WOOD, Sebastian	(47) 19.06.2024
G01J 1/02	CAO, Yameng	(87) EP2020080641
G01J 1/24	(31) 202118924	14.05.2021
G01J 1/26	(32) 23.12.2021	(22) 02.11.2020
(11) EP3120189	(33) United Kingdom	(54) SENSOR ELEMENT FOR MEASURING AN OBJECT TEMPERATURE AND METHOD FOR ASSESSING THE MEASUREMENT QUALITY OF SUCH A SENSOR ELEMENT
(21) EP15764423.8	(51) G01K 1/08	(73) Innovative Sensor Technology IST AG
(47) 19.06.2024	G01K 1/18	(72) KROGMANN, Florian
(87) US2015021904	G01K 13/02	NURNUS, Joachim
24.09.2015	G01K 1/14	(31) 102019129820
(22) 21.03.2015	(11) EP4180782	(32) 05.11.2019
(54) LASER PROJECTION SYSTEM	(21) EP21207419.9	(33) Germany
(73) Lightwave International, Inc.	(47) 19.06.2024	(51) G01K 15/00
(72) DODWORTH, George	(22) 10.11.2021	H05K 7/20
(31) 201461968823 P	(54) MEASURING INSERT FOR SENSING TEMPERATURE	G01K 7/02
(32) 21.03.2014	(73) Endress+Hauser Wetzer GmbH+Co. KG	G01K 7/12
(33) United States of America	(72) Fortunato, Gianluca	(11) EP3739313
(51) G01J 1/44	Pietroni, Michele	(21) EP19738064.5
G01J 3/44	Tagliabue, Davide	(47) 19.06.2024
G02B 21/00	Mornhinweg, Markus	(87) CN2019070621
G01J 3/02	Micieli, Andrea	18.07.2019
(11) EP3359929	Eralti, Davide	(22) 07.01.2019
(21) EP16778412.3	(51) G01K 1/08	(54) DRY BLOCK TEMPERATURE CALIBRATOR
(47) 19.06.2024	G01K 1/18	(73) Beijing Const Instruments Technology Inc.
(87) EP2016074176	G01K 13/02	(72) LI, Xuecan
13.04.2017	G01K 1/14	LIN, Jianjun
(22) 10.10.2016	(11) EP4180784	WU, Chengjiang
(54) DYNAMIC LOCK-IN DETECTION BANDWIDTH FOR SRS IMAGING	(21) EP21207427.2	(31) 201820031598 U
(73) Leica Microsystems CMS GmbH	(47) 19.06.2024	201820032475 U
(72) KRISHNAMACHARI, Vishnu Vardhan	(22) 10.11.2021	201810019111
(31) 15189132	(54) MEASURING INSERT FOR A THERMOMETER	201820032013 U
(32) 09.10.2015	(73) Endress+Hauser Wetzer GmbH+Co. KG	201810019030
(33) European Patent Office (EPO)	(72) Mornhinweg, Markus	201820031567 U
(51) G01J 3/02	Micieli, Andrea	201810018472
G01N 21/27	Fortunato, Gianluca	201820033217 U
G01N 21/47	Tagliabue, Davide	201810019770
(11) EP3994431	Pietroni, Michele	(32) 09.01.2018
(21) EP20768237.8	Eralti, Davide	09.01.2018
(47) 19.06.2024	(51) G01K 1/14	09.01.2018
(87) US2020070441	F16L 41/00	09.01.2018
04.03.2021	(11) EP3134715	09.01.2018
(22) 21.08.2020	(21) EP15722652.3	09.01.2018
(54) OPTICAL MEASUREMENT DEVICE INCLUDING INTERNAL SPECTRAL REFERENCE	(47) 19.06.2024	09.01.2018
(73) Viavi Solutions Inc.	(87) EP2015000853	09.01.2018
(72) HOUCK, William D.	29.10.2015	09.01.2018
SMITH, Valton	(22) 24.04.2015	09.01.2018
(31) 202016947849	(54) CONNECTION DEVICE AND METHOD FOR PRODUCING A CONNECTION DEVICE	09.01.2018
201962892268 P	(73) Voss Automotive GmbH	(33) China
(32) 20.08.2020	(72) DE BEER, Daniel	China
27.08.2019	SCHWARZKOPF, Otfried	China
(33) United States of America	ZWILLUS, Christian	China
United States of America	KLEIN, Roland	China
(51) G01J 3/32	GMEINER, Swen	China
G01J 3/28	ETSCHIED, Tobias	China
G01J 3/12	(31) 102014005818	China

(51) G01L 5/16	(22) 16.07.2021	202063114157 P
B23Q 17/09	(54) PRESSURE MEASURING UNIT FOR	202063114350 P
G01L 5/00	MEASURING A PRESSURE	202063114064 P
(11) EP3864389	(73) Endress+Hauser SE+Co. KG	202063114400 P
(21) EP19779520.6	(72) RUPP, Armin	202063114339 P
(47) 19.06.2024	LILL, Dirk	202063114330 P
(87) EP2019077063	PONATH, Nils	202063114386 P
16.04.2020	(31) 102020121981	(32) 16.11.2020
(22) 07.10.2019	(32) 21.08.2020	16.11.2020
(54) TOOL AND METHOD FOR MEASURING	(33) Germany	16.11.2020
A TOOL FORCE	(51) G01M 5/00	16.11.2020
(73) Kistler Holding AG	(11) EP3704461	16.11.2020
(72) KOHLER, Denis	(21) EP18800874.2	16.11.2020
KEITZEL, Gunnar	(47) 19.06.2024	16.11.2020
FIMPEL, Tobias	(87) EP2018080063	16.11.2020
(31) 18199541	09.05.2019	(33) United States of America
(32) 10.10.2018	(22) 02.11.2018	United States of America
(33) European Patent Office (EPO)	(54) METHOD FOR DETERMINING	United States of America
(51) G01L 5/22	ELASTOPLASTIC PROPERTIES AND	United States of America
G01L 1/02	THE FAILURE BEHAVIOR OF A TEST	United States of America
G01L 1/14	BODY	United States of America
G01L 1/16	(73) Fraunhofer-Gesellschaft zur Förderung	United States of America
G01L 1/20	der angewandten Forschung e.V.	United States of America
G01L 1/12	(72) ROSEMEIER, Malo	(51) G01N 1/40
G01L 9/14	GEBAUER, Thomas	B01D 63/08
G01L 9/00	(31) 102017219591	(11) EP2593768
(11) EP3594650	(32) 03.11.2017	(21) EP11730992.2
(21) EP17899762.3	(33) Germany	(47) 19.06.2024
(47) 19.06.2024	(51) G01M 13/02	(87) EP2011061955
(87) KR2017007002	F16P 1/02	19.01.2012
13.09.2018	F16C 1/26	(22) 13.07.2011
(22) 30.06.2017	F16L 57/00	(54) NEW STORAGE, COLLECTION OR
(54) PNEUMATIC-BASED TACTILE SENSOR	G01B 7/00	ISOLATION DEVICE
(73) Korea Institute of Machinery & Materials	G01M 13/025	(73) Qiagen GmbH
(72) OH, Sunjong	(11) EP4302064	(72) SCHRADER, Andre
JUNG, Young Do	(21) EP22710948.5	HIESINGER, Margit
LIM, Hyuneui	(47) 19.06.2024	MÜLLER, Markus
(31) 20170030232	(87) AT2022060061	HOLLÄNDER, Vera
(32) 09.03.2017	09.09.2022	SCHULTE, Karin
(33) Korea (Republic)	(22) 03.03.2022	(31) 10007273
(51) G01L 9/00	(54) METHOD AND DEVICE FOR	(32) 14.07.2010
G01L 19/08	MONITORING THE POSITION OF A	(33) European Patent Office (EPO)
G01L 9/14	SHAFT	(51) G01N 1/40
G01L 19/14	(73) Kristl, Seibt & Co. Gesellschaft M.B.H.	H01J 49/04
A61B 5/00	(72) AUER, Christian	G01N 1/38
A61B 5/03	(31) 501552021	(11) EP4038361
(11) EP3669154	(32) 04.03.2021	(21) EP20789274.6
(21) EP18846047.1	(33) Austria	(47) 19.06.2024
(47) 19.06.2024	(51) G01N 1/22	(87) IB2020059070
(87) US2018046806	B01L 7/00	08.04.2021
21.02.2019	B64D 11/04	(22) 29.09.2020
(22) 16.08.2018	B64D 11/00	(54) SAMPLING PROBE WITH INTERNAL
(54) MINIATURE IMPLANTABLE WIRELESS	(11) EP4001885	SAMPLING FOR USE IN MASS
PRESSURE SENSOR	(21) EP21208619.3	SPECTROMETRY SYSTEMS AND
(73) The Regents of the University of	(47) 19.06.2024	METHODS
California	(22) 16.11.2021	(73) DH Technologies Development Pte. Ltd.
(72) LI, Guann-Pyng	(54) SYSTEMS AND METHODS	(72) COVEY, Thomas R.
BACHMAN, Mark	TO OBTAIN A BIOLOGICAL	LIU, Chang
BABIKIAN, Sarkis	SAMPLE REPRESENTATIVE OF	(31) 201962908012 P
(31) 201762546455 P	A PASSENGER CABIN ON AN	(32) 30.09.2019
(32) 16.08.2017	AIRCRAFT AUTOMATICALLY FROM	(33) United States of America
(33) United States of America	THE COLLECTOR DEVICE	(51) G01N 3/24
(51) G01L 19/06	(73) B/E Aerospace, Inc.	G01N 3/10
(11) EP4200586	(72) GONZALEZ, Arnau Gastillo	(11) EP3822611
(21) EP21746429.6	SURAWSKI, Eric	(21) EP19925559.7
(47) 19.06.2024	MURCIA, Antonio Martinez	(47) 19.06.2024
(87) EP2021070005	GONZALEZ, Vanessa	(87) CN2019108106
24.02.2022	(31) 202063114366 P	01.04.2021

(22) 26.09.2019	F16L 37/14	(54) METHOD AND APPARATUS FOR
(54) HIGH-TEMPERATURE AND HIGH-PRESSURE HARD ROCK TRUE TRIAXIAL MULTIFUNCTIONAL SHEAR TEST DEVICE AND METHOD	F16L 37/56	TERAHERTZ OR MICROWAVE IMAGING
(73) Northeastern University	(11) EP3746767	(73) The University of Durham
(72) YANG, Chengxiang	(21) EP19743722.1	(72) WEATHERILL, Kevin
ZHAO, Jun	(47) 19.06.2024	ADAMS, Charles
FENG, Xiating	(87) US2019015407	(31) 201816205
TIAN, Jun	01.08.2019	(32) 04.10.2018
(31) 201910904135	(22) 28.01.2019	(33) United Kingdom
(32) 24.09.2019	(54) LOCKING ASSEMBLY FOR A MEASUREMENT SYSTEM	(51) G01N 21/552
(33) China	(73) MICROMERITICS INSTRUMENT CORPORATION	A61B 3/10
(51) G01N 3/317	(72) BRACHER, Paul	(11) EP3353531
G01N 3/04	(31) 201862623168 P	(21) EP16782126.3
(11) EP3392643	(32) 29.01.2018	(47) 19.06.2024
(21) EP16874524.8	(33) United States of America	(87) US2016053522
(47) 19.06.2024	(51) G01N 15/1433	30.03.2017
(87) CN2016094336	G01N 15/14	(22) 23.09.2016
22.06.2017	G01N 21/27	(54) OPTICAL SENSORS
(22) 10.08.2016	G01N 15/0205	(73) LacriSciences LLC
(54) ELECTROMAGNETIC INDUCTION TYPE HOPKINSON TENSION-COMPRESSION BAR LOADING DEVICE AND EXPERIMENT METHOD	F27D 21/00	(72) GHOVANLOU, Ali, H.
(73) Northwestern Polytechnical University	C21B 7/24	GEDDES, Chris, D.
(72) NIE, Hailiang	C21B 5/00	EASTMAN, Zachary, M.
TANG, Zhongbin	G01N 15/1429	GAVARIS, Paul, T.
SUO, Tao	G01N 15/1434	EASTMAN, Jay, M.
LI, Yulong	G01N 15/00	(31) 201562254099 P
(31) 201510956545	(11) EP3950968	201562232320 P
(32) 18.12.2015	(21) EP20778469.5	(32) 11.11.2015
(33) China	(47) 19.06.2024	24.09.2015
(51) G01N 15/02	(87) JP2020012925	(33) United States of America
G01N 15/0205	01.10.2020	United States of America
G01N 15/00	(22) 24.03.2020	(51) G01N 21/552
(11) EP3786613	(54) POWDER RATIO MEASUREMENT DEVICE, POWDER RATIO MEASUREMENT SYSTEM, POWDER RATIO MEASUREMENT METHOD, COMPUTER PROGRAM TO OPERATE POWDER RATIO MEASUREMENT DEVICE, BLAST FURNACE AND BLAST FURNACE OPERATION METHOD	G01N 21/35
(21) EP20190551.0	(73) JFE Steel Corporation	G01N 33/50
(47) 19.06.2024	(72) YAMAHIRA, Naoshi	G01N 33/574
(22) 11.08.2020	(31) 2019062707	(11) EP4025898
(54) PARTICLE SIZE MEASURING DEVICE	(32) 28.03.2019	(21) EP20767995.2
(73) Fritsch GmbH	(33) Japan	(47) 19.06.2024
(72) CROLLY, Günther	(51) G01N 21/31	(87) EP2020074391
MICHEL, Bernhard	G01N 21/359	11.03.2021
MUTTER, Wolfgang	(11) EP2711686	(22) 02.09.2020
HUWER, Egbert	(21) EP13185204.8	(54) DISCERNING BRAIN CANCER TYPE
(31) 102019122723	(47) 19.06.2024	(73) Dxcover Limited
(32) 23.08.2019	(22) 19.09.2013	(72) BAKER, Matthew, J
(33) Germany	(54) Optical gas detector	CAMERON, James
(51) G01N 15/0205	(73) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	(31) 201912578
G01N 21/65	(72) Gidon, Serge	(32) 02.09.2019
G01N 21/85	Gidon, Pierre	(33) United Kingdom
(11) EP3309537	(31) 1258833	(51) G01N 21/64
(21) EP17196683.1	(32) 20.09.2012	G01N 21/94
(47) 19.06.2024	(33) France	(11) EP2920576
(22) 16.10.2017	(51) G01N 21/3581	(21) EP12794670.5
(54) PARTICLE SIZE DETERMINATION USING RAMAN SPECTROSCOPY	(11) EP3861322	(47) 19.06.2024
(73) Endress+Hauser Optical Analysis, Inc.	(21) EP19779076.9	(87) EP2012072665
(72) Owen, Harry	(47) 19.06.2024	22.05.2014
(31) 201662408108 P	(87) GB2019052663	(22) 15.11.2012
(32) 14.10.2016	09.04.2020	(54) UNIT AND METHOD FOR OPTICAL NON-CONTACT OIL DETECTION
(33) United States of America	(22) 23.09.2019	(73) Nemor Technologies OÜ
(51) G01N 15/08		(72) BABICHENKO, Sergey
G01N 35/10		(51) G01N 23/20091
G01N 35/00		G01N 23/2252
G01N 1/00		(11) EP4040143
F16L 37/00		(21) EP22154151.9
		(47) 19.06.2024
		(22) 31.01.2022
		(54) METHOD AND SYSTEM FOR COMPONENT ANALYSIS OF SPECTRAL DATA

(73) FEI Company	(73) SUPERSONIC IMAGINE	30.03.2017
(72) KLUSÁČEK, Jan	Ecole Supérieure de Physique et de	(22) 26.09.2016
SEMBERA, Ondrej	Chimie Industrielles de la Ville de Paris	(54) MODULAR POLE SENSOR FOR
HLAVENKA, Petr	CENTRE NATIONAL DE LA	VINEYARDS
(31) 202117166885	RECHERCHE SCIENTIFIQUE -CNRS-	(73) Instituto Pedro Nunes - Associação
(32) 03.02.2021	(72) FINK, Mathias	Para a Inovação e Desenvolvimento em
(33) United States of America	AUBRY, Alexandre	Ciência e Tecnologia
(51) G01N 23/207	FRAPPART, Thomas	(72) MIRANDA DIAS, Jorge Manuel
(11) EP2778666	LAMBERT, William	LINDO JEGUNDO DA CUNHA, António
(21) EP14160214.4	(31) 2009312	Alberto
(47) 19.06.2024	(32) 15.09.2020	BAPTISTA CORREIA DA SILVA, Carlos
(22) 17.03.2014	(33) France	Miguel
(54) X-ray diffraction apparatus and method	(51) G01N 30/32	ALVES PARDAL, André Filipe
(73) Proto Manufacturing Ltd.	B01D 19/00	FERREIRA SARAIVA DA MOUTA DIAS,
(72) Brass, E. Michael	(11) EP2776825	João Paulo
(31) 201361801250 P	(21) EP12783981.9	(31) 2015108841
(32) 15.03.2013	(47) 19.06.2024	(32) 25.09.2015
(33) United States of America	(87) EP2012071935	(33) Portugal
(51) G01N 25/48	16.05.2013	(51) G01N 33/50
G01N 33/543	(22) 06.11.2012	C12Q 1/6897
C12Q 1/6834	(54) PREPARATIVE COLUMN	(11) EP3899535
C12Q 1/6837	CHROMATOGRAPHY SYSTEM	(21) EP19832117.6
G01N 33/74	(73) F.Hoffmann-La Roche AG	(47) 19.06.2024
G01N 33/94	(72) SCHMALZ, Christian	(87) EP2019086750
(11) EP3574313	BLASCHYK, Andreas	25.06.2020
(21) EP18702467.4	DVEKAR, Darko	(22) 20.12.2019
(47) 19.06.2024	(31) 11188582	(54) SCREENING ASSAY
(87) EP2018052021	(32) 10.11.2011	(73) The University of Bath
02.08.2018	(33) European Patent Office (EPO)	(72) MASON, Jody Michael
(22) 26.01.2018	(51) G01N 30/94	KAD, Neil Mark
(54) SENSOR	G01N 30/90	(31) 201820863
(73) Katholieke Universiteit Leuven	G01N 30/88	(32) 20.12.2018
(72) WAGNER, Patrick	(11) EP3588080	(33) United Kingdom
WACKERS, Gideon	(21) EP19174936.5	(51) G01N 33/543
KHORSHID, Mehran	(47) 19.06.2024	G01N 33/74
CORNELIS, Peter	(22) 16.05.2019	G01N 33/68
(31) 201701291	(54) METHOD AND DEVICE FOR	C07K 16/26
(32) 26.01.2017	AUTOMATIC CHROMATOGRAPHY OF	G06T 7/90
(33) United Kingdom	THIN-FILM PLATES	A61B 5/145
(51) G01N 27/22	(73) Camag Chemie-Erzeugnisse und	A61B 5/00
G01N 27/12	Adsorptionstechnik AG	A61B 10/00
(11) EP2930499	(72) Richerdt, Nicolas	(11) EP3731751
(21) EP15159690.5	Schranz, Urs Lukas	(21) EP18895132.1
(47) 19.06.2024	Sturgess, Mark Howell	(47) 19.06.2024
(22) 18.03.2015	Gutmann, Bastian	(87) US2018068027
(54) METHOD AND APPARATUS FOR	(31) 7882018	04.07.2019
HUMIDITY SENSOR TEMPERATURE	(32) 21.06.2018	(22) 28.12.2018
COMPENSATION	(33) Switzerland	(54) SYSTEMS AND METHODS FOR
(73) Dwyer Instruments, Inc.	(51) G01N 31/10	TRACKING PROGESTERONE
(72) Heuer, Daniel	G01N 33/00	(73) MFB Fertility, Inc.
Moss, Robert Austin	(11) EP3553491	(72) BECKLEY, Amy
Syversen, Neal Warren	(21) EP17878611.7	(31) 201815900794
Roth, Larry	(47) 19.06.2024	201762611467 P
(31) 201414247428	(87) JP2017029279	(32) 20.02.2018
(32) 08.04.2014	14.06.2018	28.12.2017
(33) United States of America	(22) 14.08.2017	(33) United States of America
(51) G01N 29/06	(54) GAS ANALYZING DEVICE AND GAS	United States of America
G01N 29/44	ANALYZING METHOD	(51) G01N 33/574
G01N 29/07	(73) HORIBA, Ltd.	G01N 33/68
A61B 8/13	(72) YOSHIMURA, Tomoshi	G01N 33/72
G01S 7/52	(31) 2016238143	(11) EP3963331
(11) EP3967239	(32) 08.12.2016	(21) EP20721642.5
(21) EP21190936.1	(33) Japan	(47) 19.06.2024
(47) 19.06.2024	(51) G01N 33/00	(87) EP2020062190
(22) 12.08.2021	(11) EP3353542	05.11.2020
(54) METHOD AND SYSTEM FOR	(21) EP16791438.1	(22) 01.05.2020
ULTRASONIC CHARACTERISATION	(47) 19.06.2024	(54) METHOD FOR THE DETECTION OF
OF A MEDIUM	(87) IB2016055750	CANCER

(73) Belgian Volition SRL	(54) SYSTEMS AND METHODS FOR	(21) EP22701976.7
(72) ECCLESTON, Mark Edward	DETECTION AND QUANTIFICATION	(47) 19.06.2024
MICALLEF, Jacob Vincent	OF ANALYTES	(87) EP2022051742
TERRELL, Jason Bradley	(73) Cue Health Inc.	18.08.2022
HERZOG, Marielle	(72) KHATTAK, Ayub	(22) 26.01.2022
(31) 201906199	SEVER, Clinton	(54) CURRENT-SENSING RESISTOR
201962893082 P	(31) 201462049313 P	(73) Isabellenhütte Heusler GmbH & Co. KG
(32) 02.05.2019	(32) 11.09.2014	(72) SATTLER, Jan
28.08.2019	(33) United States of America	LEBEAU, Felix
(33) United Kingdom	(51) G01N 35/00	KRAMM, Benedikt
United States of America	F25D 3/06	(31) 202021105281 U
(51) G01N 33/577	F25D 3/08	102021103238
G01N 33/68	F25D 21/04	(32) 30.09.2021
(11) EP3749957	(11) EP3957998	11.02.2021
(21) EP19705933.0	(21) EP20791805.3	(33) Germany
(47) 19.06.2024	(47) 19.06.2024	Germany
(87) EP2019053003	(87) JP2020009032	(51) G01R 19/00
15.08.2019	22.10.2020	G01R 29/08
(22) 07.02.2019	(22) 04.03.2020	G01R 1/067
(54) ELASTIN ASSAY	(54) AUTOMATIC ANALYSIS DEVICE,	H04B 1/00
(73) Nordic Bioscience A/S	COLD STORAGE, AND METHOD FOR	(11) EP3534163
(72) MANON-JENSEN, Tina	COOLING REAGENT IN AUTOMATIC	(21) EP19159639.4
ØRSNES-LEEMING, Diana	ANALYSIS DEVICE	(47) 19.06.2024
GUDMANN, Karoline, Natasja, Stæhr	(73) Hitachi High-Tech Corporation	(22) 27.02.2019
KARSDAL, Morten	(72) SETOMARU Takeshi	(54) PROBE WITH BROADBAND ANTENNA
SAND, Jannie, Marie, Bülow	NAKAJIMA, Satoshi	(73) Inpacare B.V.
(31) 201802070	YASUI Akihiro	(72) VAN PEER, Antonius Josephus
(32) 08.02.2018	(31) 2019079262	DIJKSTRA, Patrick Walter Joseph
(33) United Kingdom	(32) 18.04.2019	(31) 2020509
(51) G01N 33/68	(33) Japan	(32) 28.02.2018
(11) EP3821256	(51) G01P 3/488	(33) Netherlands
(21) EP19749884.3	(11) EP3853618	(51) G01R 19/165
(47) 19.06.2024	(21) EP18934466.6	G01R 31/367
(87) US2019041541	(47) 19.06.2024	G01R 31/3835
16.01.2020	(87) CN2018106459	(11) EP3923001
(22) 12.07.2019	26.03.2020	(21) EP20217553.5
(54) DETECTION AND QUANTIFICATION	(22) 19.09.2018	(47) 19.06.2024
OF GLYCOSYLATED PEPTIDES	(54) SPEED SENSOR ASSEMBLY	(22) 29.12.2020
(73) Regeneron Pharmaceuticals, Inc.	(73) Hamlin Electronics (Suzhou) Ltd.	(54) CAPACITY JUDGMENT MODULE AND
(72) SHEN, Biao	(72) YU, Jiao	CAPACITY CALIBRATION METHOD
ROSENBERG, Avraham Z.	(51) G01Q 30/04	THEREOF
(31) 201862697547 P	G01Q 60/34	(73) Gunitech Corp.
(32) 13.07.2018	G01Q 40/00	(72) HSU, Chung-Liang
(33) United States of America	(11) EP2776851	KAO, Hsin-Yi
(51) G01N 35/00	(21) EP12848207.2	WANG, Ming-Yi
(11) EP3667326	(47) 19.06.2024	SHIU, Huan-Ruei
(21) EP19212849.4	(87) US2012064690	(31) 109119345
(47) 19.06.2024	16.05.2013	(32) 09.06.2020
(22) 02.12.2019	(22) 12.11.2012	(33) Taiwan, Chinese Taipei
(54) SAMPLE ANALYSIS SYSTEM,	(54) METHOD AND APPARATUS OF	(51) G01R 19/25
CONTROLLER, START-UP METHOD	TUNING A SCANNING PROBE	G01R 15/20
FOR SAMPLE ANALYZER, AND NON-	MICROSCOPE	G01R 21/133
TRANSITORY STORAGE MEDIUM	(73) Huang, Lin	G01R 35/02
(73) SYSMEX CORPORATION	Bruker Nano, Inc.	G01R 35/04
(72) Kajino, Shouhei	Su, Chanmin	G01R 21/14
Yao, Syunsuke	Silva, Paul	G01R 19/32
(31) 2018231226	Pittenger, Bede	(11) EP3682258
(32) 10.12.2018	Hu, Shuiqing	(21) EP18769619.0
(33) Japan	(72) SU, Chanmin	(47) 19.06.2024
(51) G01N 35/00	SILVA, Paul	(87) EP2018073984
B01L 3/00	HUANG, Lin	14.03.2019
(11) EP3191849	HU, Shuiqing	(22) 06.09.2018
(21) EP15771337.1	PITTENGER, Bede	(54) METHOD AND APPARATUS FOR
(47) 19.06.2024	(31) 201161558970 P	CURRENT MEASUREMENT IN
(87) US2015049439	(32) 11.11.2011	POLYPHASE ELECTRICITY SUPPLY
17.03.2016	(33) United States of America	(73) Analog Devices International Unlimited
(22) 10.09.2015	(51) G01R 1/20	Company
	(11) EP4278194	(72) HOLLAND, William

DANESH, Seyed	(31) 202217663060	(73) Samsung SDI Co., Ltd.
HURWITZ, Jonathan	202263364487 P	(72) PAEK, Sung Wook
(31) 201715700867	(32) 12.05.2022	HWANG, Yong Jun
(32) 11.09.2017	10.05.2022	LIM, Byeong Hui
(33) United States of America	(33) United States of America	RAYAPPAN, Christober
(51) G01R 31/12	United States of America	KIM, Gi Heon
G01R 19/04	(51) G01R 31/367	KIM, Jake
(11) EP3933418	G01R 31/3842	(31) 20190075224
(21) EP20183241.7	B60L 58/16	(32) 24.06.2019
(47) 19.06.2024	G01R 31/389	(33) Korea (Republic)
(2) 30.06.2020	H01M 10/48	(51) G01R 33/30
(54) METHOD FOR DETECTING AN	(11) EP3786653	(11) EP4060361
ELECTRICAL DISCHARGE IN AN	(21) EP19794066.1	(21) EP22161382.1
ELECTRICAL APPARATUS AND A	(47) 19.06.2024	(47) 19.06.2024
SYSTEM THEREFOR	(87) KR2019002761	(22) 10.03.2022
(73) ABB Schweiz AG	31.10.2019	(54) NMR PROBE
(72) KAUL, Holger	(22) 08.03.2019	(73) JEOL Ltd.
KRIVDA, Andrej	(54) BATTERY STATE ESTIMATION	(72) TAKAHASHI, Hiroki
GEBHARDT, Jörg	METHOD	NISHIYAMA, Masahide
HENCKEN, Kai	(73) Samsung SDI Co., Ltd.	ENDO, Yuki
LEHMANN, Jörg	(72) LIM, Byeong Hui	(31) 2021044962
MARET, Yannick	KIM, Gi Heon	(32) 18.03.2021
(51) G01R 31/14	PAEK, Sung Wook	(33) Japan
G01R 31/333	KIM, Jake	(51) G01R 33/30
(11) EP2972428	HWANG, Yong Jun	G01R 33/31
(21) EP14771015.6	RAYAPPAN, Christober	G01N 24/08
(47) 19.06.2024	KANG, Min Jeong	(11) EP4275062
(87) US2014018781	(31) 20180046986	(21) EP22764334.3
25.09.2014	(32) 23.04.2018	(47) 19.06.2024
(22) 26.02.2014	(33) Korea (Republic)	(87) EP2022072071
(54) DC HIGH POTENTIAL INSULATION	(51) G01R 31/3835	04.05.2023
BREAKDOWN TEST SYSTEM	G01R 31/396	(22) 05.08.2022
(73) Hubbell Incorporated	G01R 31/28	(54) MONITORING DEVICE FOR
(72) BROWER, John	(11) EP4166962	TEMPERATURE-CONTROLLED
(31) 201314067568	(21) EP21202939.1	CAPILLARY GUIDANCE WITH
201361799040 P	(47) 19.06.2024	INTERLEAVED TUBES AND
(32) 30.10.2013	(22) 15.10.2021	TRANSPORT CAPILLARIES FOR NMR
15.03.2013	(54) ELECTRICAL ENERGY STORAGE	FLOW CELLS
(33) United States of America	DEVICE	(73) Bruker Switzerland AG
United States of America	(73) Andreas Stihl AG & Co. KG	(72) MEISTER, Roger
(51) G01R 31/28	(72) Sämann, Christian	(31) 202021105945 U
(11) EP4174501	(51) G01R 31/40	(32) 29.10.2021
(21) EP22199485.8	G01R 19/165	(33) Germany
(47) 19.06.2024	G01R 31/28	(51) G01R 33/483
(22) 04.10.2022	(11) EP4043892	G01R 33/561
(54) TESTING DEVICE, METHOD, AND	(21) EP22165853.7	G01R 33/567
SOFTWARE FOR TESTING AN	(47) 19.06.2024	(11) EP3798658
AUTOMOTIVE CONTROLLER	(22) 30.09.2018	(21) EP19200342.4
(73) Aptiv Technologies AG	(54) METHOD AND APPARATUS FOR	(47) 19.06.2024
(72) CZACHOWSKI, Przemyslaw	TESTING FUNCTION OF ADAPTOR,	(22) 30.09.2019
BOROWIEC, Maciej	TESTING DEVICE, AND STORAGE	(54) IMPROVED SIMULTANEOUS
(31) 202115615	MEDIUM	MULTISLICE (SMS) ACQUISITION
(32) 29.10.2021	(73) GUANGDONG OPPO MOBILE	OF MEASUREMENT DATA BY
(33) United Kingdom	TELECOMMUNICATIONS CORP., LTD.	MEANS OF MAGNETIC RESONANCE
(51) G01R 31/317	(72) Tian, Chen	TECHNOLOGY
G01R 31/30	(51) G01R 31/52	(73) Siemens Healthineers AG
(11) EP4314848	G01R 31/367	(72) Zeller, Mario
(21) EP23730682.4	G01R 31/3842	(51) G01S 3/801
(47) 19.06.2024	G01R 31/389	A01K 15/02
(87) US2023066769	G01R 31/396	(11) EP2956789
16.11.2023	(11) EP3988954	(21) EP13875144.1
(22) 09.05.2023	(21) EP20832672.8	(47) 19.06.2024
(54) LEAKAGE SCREENING BASED ON	(47) 19.06.2024	(87) US2013073135
POWER PREDICTION	(87) KR2020001647	21.08.2014
(73) Google LLC	30.12.2020	(22) 04.12.2013
(72) Li, Yiran	(22) 05.02.2020	(54) ANIMAL TRACKING APPARATUS
TUNCER, Emre	(54) METHOD FOR DETECTING INTERNAL	(73) Garmin Switzerland GmbH
BALAMUKUNDHAN, Kaushik	SHORT-CIRCUITED CELL	(72) TRENKLE, Bradley, C.

WALKER, Timmy, R.	(72) JIANG, Shen	(47) 19.06.2024
(31) 201313769556	(51) G01S 7/481	(22) 20.04.2017
(32) 18.02.2013	G01S 7/4911	(54) A METHOD AND SYSTEM FOR
(33) United States of America	G01S 7/4912	SPATIAL MODELLING OF AN
(51) G01S 5/02	G01S 7/497	INTERIOR OF A VEHICLE
(11) EP3803438	G01S 17/34	(73) Polestar Performance AB
(21) EP18728614.1	(11) EP3839554	(72) Fekete, Robert
(47) 19.06.2024	(21) EP20202519.3	(51) G01S 13/58
(87) EP2018064269	(47) 19.06.2024	G01S 13/931
05.12.2019	(22) 19.10.2020	G01S 17/931
(22) 30.05.2018	(54) DEVICE AND METHOD FOR	(11) EP3734327
(54) COLLECTING OR TRIGGERING	DETERMINING THE DISTANCE OF	(21) EP20166800.1
COLLECTING POSITIONING DATA FOR	OBJECT	(47) 19.06.2024
UPDATING AND/OR GENERATING A	(73) Carl Zeiss AG	(22) 30.03.2020
POSITIONING MAP	(72) Höller, Frank	(54) HEADING ANGLE ESTIMATION FOR
(73) HERE Global B.V.	(31) 102019135648	OBJECT TRACKING
(72) IVANOV, Pavel	(32) 21.12.2019	(73) Aptiv Technologies AG
WIROLA, Lauri Aarne Johannes	(33) Germany	(72) Vishwajeet, Kumar
NURMINEN, Henri Jaakko Julius	(51) G01S 7/497	Chen, Susan
(51) G01S 5/02	G01S 17/14	Schiffmann, Jan K.
G01S 19/20	G01S 7/484	Dang, Wenbing
(11) EP4214532	G01S 7/4865	(31) 201916398745
(21) EP21778423.0	G01C 3/06	(32) 30.04.2019
(47) 19.06.2024	G01S 7/4863	(33) United States of America
(87) EP2021075664	G01S 17/894	(51) G01S 15/931
24.03.2022	G01S 7/481	G01S 15/00
(22) 17.09.2021	(11) EP3943978	(11) EP4191281
(54) METHOD FOR CHECKING THE	(21) EP20779137.7	(21) EP22163404.1
INTEGRITY OF CALIBRATION ON	(47) 19.06.2024	(47) 19.06.2024
A PLURALITY OF LANDMARKS,	(87) JP2020010834	(22) 22.03.2022
ASSOCIATED COMPUTER PROGRAM	01.10.2020	(54) DETERMINING METHOD AND
PRODUCT AND ASSOCIATED	(22) 12.03.2020	APPARATUS FOR OBSTACLES
INTEGRITY CHECKING DEVICE	(54) LIGHT RECEPTION DEVICE,	AROUND THE PARKING PATH AND
(73) THALES	DISTANCE MEASUREMENT DEVICE,	SURROUNDING USING ULTRASONIC
(72) HEURGUIER, Dominique	AND LIGHT EMISSION CONTROL	WAVES
(31) 2009417	METHOD	(73) Hyundai Mobis Co., Ltd.
(32) 17.09.2020	(73) Sony Semiconductor Solutions	(72) KIM, Kang Hee
(33) France	Corporation	(31) 20210170128
(51) G01S 7/295	(72) OBA, Toshihiro	(32) 01.12.2021
G01S 13/87	(31) 2019054684	(33) Korea (Republic)
G01S 13/89	(32) 22.03.2019	(51) G01S 17/08
G01S 13/93	(33) Japan	G01S 17/58
(11) EP3115803	(51) G01S 13/42	G01S 7/481
(21) EP16178630.6	G01S 13/72	G01S 7/487
(47) 19.06.2024	G01S 7/04	G01S 17/66
(22) 08.07.2016	G01S 13/02	(11) EP3067713
(54) SEMICONDUCTOR DEVICE, CONTROL	G01S 13/44	(21) EP16159560.8
SYSTEM AND OBSERVATION	(11) EP4145173	(47) 19.06.2024
METHOD	(21) EP22191985.5	(22) 10.03.2016
(73) Renesas Electronics Corporation	(47) 19.06.2024	(54) LADAR SYSTEMS WITH DYNAMIC
(72) KAJIWARA, Yuki	(22) 24.08.2022	RECEIVER FILTERS
(31) 2015138676	(54) METHOD FOR DECIDING AND	(73) The Boeing Company
(32) 10.07.2015	ASSESSING THE INTERLEAVING OF	(72) RODNEY, Paul J.
(33) Japan	A PLURALITY OF RADAR MODES,	CATES, Michael C.
(51) G01S 7/481	ASSOCIATED COMPUTER PROGRAM	NIKSCH, Richard A.
G01S 7/484	AND DEVICE	DURKIN, Peter
G01S 7/486	(73) THALES	GYLYS, Vytas Thomas
G01S 7/483	(72) CORRETJA, Vincent	(31) 201514656533
G01S 17/42	LEGER, Nicolas	(32) 12.03.2015
G01S 7/497	LEGRAND, Léo	(33) United States of America
(11) EP4086659	(31) 2108888	(51) G01T 1/20
(21) EP20866896.2	(32) 25.08.2021	G01T 1/17
(47) 19.06.2024	(33) France	C09K 11/00
(87) CN2020070252	(51) G01S 13/56	C09K 11/85
25.03.2021	B60N 2/00	(11) EP3264138
(22) 03.01.2020	G01S 13/87	(21) EP16755227.2
(54) LIDAR	(11) EP3392670	(47) 19.06.2024
(73) Suteng Innovation Technology Co., Ltd.	(21) EP17167198.5	(87) JP2016054017

01.09.2016	(32) 18.09.2020	(87) JP2016070849
(22) 10.02.2016	(33) United States of America	19.01.2017
(54) LABR3 SCINTILLATION DETECTOR AND SPECIFIC EVENT REMOVAL METHOD	(51) G01V 1/36	(22) 14.07.2016
(73) National University Corporation Hokkaido University	(11) EP3938810	(54) DISPLAY BODY
(72) OGAWARA, Ryo	(21) EP20716320.5	(73) Toppan Printing Co., Ltd.
ISHIKAWA, Masayori	(47) 19.06.2024	(72) ENDO, Hiroyuki
(31) 2015035788	(87) US2020021707	NAGANO, Akira
(32) 25.02.2015	24.09.2020	(31) 2015244599
(33) Japan	(22) 09.03.2020	2015141190
(51) G01T 1/36	(54) SIGNAL RECOVERY DURING SIMULTANEOUS SOURCE DEBLENDING AND SEPARATION	(32) 15.12.2015
A61B 6/00	(73) BP Corporation North America Inc.	15.07.2015
G01T 1/16	(72) FU, Kang	(33) Japan
G01T 1/24	(31) 201962819145 P	Japan
(11) EP3956692	(32) 15.03.2019	(51) G02B 5/30
(21) EP19924777.6	(33) United States of America	B42D 25/391
(47) 19.06.2024	(51) G02B 3/00	B42D 25/351
(87) SE2019050950	G02B 5/18	B42D 25/364
22.10.2020	H01L 27/146	G02B 27/28
(22) 02.10.2019	(11) EP3812801	G07D 7/00
(54) IN-LINE X-RAY FOCUSING OPTICS USED FOR MANIPULATION OF X- RAYS IN MEDICAL TRANSMISSION RADIOGRAPHY	(21) EP20202807.2	G07D 7/1205
(73) Prismatic Sensors AB	(47) 19.06.2024	(11) EP3816683
(72) LOBERG, Johannes	(22) 20.10.2020	(21) EP19825585.3
DANIELSSON, Mats	(54) IMAGE SENSOR INCLUDING COLOR SEPARATING LENS ARRAY AND ELECTRONIC DEVICE INCLUDING THE IMAGE SENSOR	(47) 19.06.2024
FREDENBERG, Erik	(73) Samsung Electronics Co., Ltd.	(87) JP2019024162
(31) 201962835729 P	(72) YUN, Seokho	02.01.2020
(32) 18.04.2019	ROH, Sookyoung	(2) 18.06.2019
(33) United States of America	(31) 20200117777	(54) IDENTIFICATION MEDIUM, AUTHENTICITY DETERMINATION METHOD, AND ARTICLE
(51) G01V 1/18	20190146233	(73) Zeon Corporation
G01H 9/00	20190146210	(72) FUJINO, Yasuhide
G01V 1/38	20190132386	(31) 2018125357
G01V 1/40	20190132385	(32) 29.06.2018
(11) EP2937718	(32) 14.09.2020	(33) Japan
(21) EP15152820.5	14.11.2019	(51) G02B 6/00
(47) 19.06.2024	14.11.2019	G02B 6/10
(22) 28.01.2015	23.10.2019	G02B 6/32
(54) HYDROPHONE	23.10.2019	G02B 6/42
(73) Geospace Technologies Corporation	(33) Korea (Republic)	G02B 27/00
(72) Fernihough, Robert Alexis Peregrin	Korea (Republic)	G02B 27/64
(31) 201414569066	Korea (Republic)	G02B 27/01
201461934357 P	Korea (Republic)	(11) EP3440486
(32) 12.12.2014	(51) G02B 3/00	(21) EP17779729.7
31.01.2014	G02B 27/01	(47) 19.06.2024
(33) United States of America	(11) EP3968062	(87) US2017026102
United States of America	(21) EP20217403.3	12.10.2017
(51) G01V 1/30	(47) 19.06.2024	(22) 05.04.2017
(11) EP4214551	(22) 28.12.2020	(54) SYSTEMS AND METHODS FOR AUGMENTED REALITY
(21) EP21786735.7	(54) NEAR-EYE LIGHT FIELD DISPLAY DEVICE	(73) Magic Leap, Inc.
(47) 19.06.2024	(73) Coretronic Corporation	(72) SCHOWENGERDT, Brian, T.
(87) US2021071435	(72) LO, Hsin-Hsiang	WATSON, Mathew, D.
24.03.2022	WU, Jui-Yi	(31) 201662319566 P
(22) 13.09.2021	(31) 202010950898	(32) 07.04.2016
(54) DETECTION OF HYDROCARBON PRESENCE IN SUBSURFACE FROM SEISMIC IMAGES USING RELATIONAL LEARNING	(32) 11.09.2020	(33) United States of America
(73) ExxonMobil Technology and Engineering Company	(33) China	(51) G02B 6/00
(72) DENLI, Huseyin	(51) G02B 5/18	G03B 21/00
JOHNS, Mary	B42D 25/328	G03B 21/20
DAVES, Jacquelyn	G09F 19/14	G03B 21/14
LIU, Kuang-Hung	G02B 5/02	A47L 9/30
(31) 202062706942 P	B42D 25/324	A47L 11/00
	(11) EP3324223	F21K 9/61
	(21) EP16824528.0	F21V 7/00
	(47) 19.06.2024	(11) EP3877792
		(21) EP19883158.8
		(47) 19.06.2024
		(87) US2019060228
		14.05.2020

(22) 07.11.2019	CAMS, Eddy Luc	(22) 01.07.2019
(54) ILLUMINATOR OPTIC FOR ROBOTIC CLEANER	GEENS, Johan	(54) OPTICAL DEVICE WITH A SHAPE MEMORY ALLOY BASED ACTUATOR FOR A TUNABLE LENS
(73) SharkNinja Operating LLC	ALLEN, Barry Wayne	(73) Actuator Solutions GmbH
(72) KAMADA, Isaku Douglas	GARCIA GONZALEZ, Alan Armando	Huawei Technologies Co., Ltd.
PEARCE, Emily	BRYAN, William B.	(72) KÖPFER, Markus
SUTTER, Catriona C.A.	COENEGRACHT, Philippe	LU, Yi Yao
LIGGETT, Melinda L.	VERSLEEGERS, Jozef Christiaan	TUULOS, Eero
(31) 201862756752 P	Mathieu	QIAN, Kang
(32) 07.11.2018	BISHOP, Erik David	JUHOLA, Mikko
(33) United States of America	DOULTREMONT, Pieter	EROMÄKI, Marko
(51) G02B 6/02	AERTS, Maarten	
C03C 25/10	CARRICO, William Alan	(51) G02B 15/14
C09D 4/06	(31) 201962804597 P	G02B 15/173
C08G 18/48	201862748039 P	(11) EP3112915
C08G 18/75	201862698053 P	(21) EP16175399.1
C08F 290/06	201862683931 P	(47) 19.06.2024
C08G 18/24	201862661574 P	(22) 21.06.2016
C09D 175/16	201862630155 P	(54) ZOOM LENS AND IMAGE PICKUP APPARATUS INCLUDING THE SAME
G02B 6/44	(32) 12.02.2019	APPARATUS INCLUDING THE SAME
(11) EP3391107	19.10.2018	(73) Canon Kabushiki Kaisha
(21) EP15817575.2	14.07.2018	(72) SUDO, Kenta
(47) 19.06.2024	12.06.2018	(31) 2015132148
(87) IB2015059686	23.04.2018	(32) 30.06.2015
22.06.2017	13.02.2018	(33) Japan
(22) 16.12.2015	(33) United States of America	
(54) OPTICAL FIBRE WITH ENHANCED HIGH TEMPERATURE RESISTANCE	United States of America	(51) G02B 19/00
(73) Politecnico di Milano	United States of America	(11) EP3776052
Prysmian S.p.A.	United States of America	(21) EP19722297.9
(72) DE MARTINO, Pamela	United States of America	(47) 19.06.2024
TERRUZZI, Lidia	United States of America	(87) US2019024907
CITTERIO, Attilio	United States of America	03.10.2019
(51) G02B 6/32	(51) G02B 6/38	(22) 29.03.2019
G02B 6/35	(11) EP3893034	(54) LENS FOR A VISUAL ALARM DETECTOR
G02B 3/00	(21) EP21175931.1	(73) Carrier Corporation
(11) EP3399358	(47) 19.06.2024	(72) KELLEY, Ryan
(21) EP18157581.2	(22) 07.08.2017	MOTT, Kenneth, J.
(47) 19.06.2024	(54) METHOD FOR FUSING A FIBER TERMINATION	DANVERS, Narval
(22) 23.08.2012	(73) Boston Scientific Scimed, Inc.	(31) 201862650848 P
(54) ASYMMETRIC LENSLET ARRAY	(72) Hasenberg, Thomas Charles	(32) 30.03.2018
(73) Molex, LLC	CHIA, Wen-Jui, Ray	(33) United States of America
(72) HALLER, Mitchell E.,	(31) 201662374185 P	
WAGENER, Jefferson L.,	(32) 12.08.2016	(51) G02B 21/02
(31) 201161526791 P	(33) United States of America	G02B 17/08
(32) 24.08.2011	(51) G02B 6/42	G02B 21/00
(33) United States of America	(11) EP3617763	G02B 21/04
(51) G02B 6/36	(21) EP17910824.6	A61B 5/00
H02G 15/013	(47) 19.06.2024	G02B 21/06
G02B 6/44	(87) CN2017085436	G02B 21/36
G02B 6/38	29.11.2018	(11) EP3730988
(11) EP3752872	(22) 23.05.2017	(21) EP18892104.3
(21) EP19754601.3	(54) OPTICAL MODULE STRUCTURE AND MANUFACTURING METHOD THEREFOR	(47) 19.06.2024
(47) 19.06.2024	(73) Huawei Technologies Co., Ltd.	(87) JP2018042979
(87) US2019017904	(72) LIU, Jun	27.06.2019
22.08.2019	DONG, Zhen	(22) 21.11.2018
(22) 13.02.2019	ZHAO, Qing	(54) OBJECTIVE OPTICAL SYSTEM AND MICROSCOPE SYSTEM
(54) SEALED CLOSURE WITH FIBER OPTIC ORGANIZER	ZENG, Li	(73) Yokogawa Electric Corporation
(73) CommScope Technologies LLC	SONG, Xiaolu	(72) SANGU, Hiroyuki
(72) ALAERTS, Roger	(51) G02B 7/04	(31) 2017242140
GHAMMAM, El Moiz Mohammed Michel	G02B 27/64	(32) 18.12.2017
VAN DE VELDE, Conny	G02B 3/14	(33) Japan
MARMON, Thomas Ross	G02B 13/00	(51) G02B 23/06
BRYON, Roel Modest Willy	(11) EP3969953	G02B 23/16
BERVOETS, Marc Eugène Willem	(21) EP19739533.8	G02B 26/08
CLAESSENS, Bart Mattie	(47) 19.06.2024	(11) EP3130955
BRANTS, Jos	(87) EP2019067545	(21) EP16183319.9
	07.01.2021	(47) 19.06.2024
		(22) 09.08.2016

(54) AN OFF-AXIS OPTICAL TELESCOPE	G02B 27/28	(51) G02B 27/64
(73) The Boeing Company	(11) EP4014086	G03B 5/00
(72) PARANTO, Joseph Nolan	(21) EP20852470.2	G02B 7/08
DONALDSON, Jed Eden	(47) 19.06.2024	(11) EP3839611
(31) 201514825339	(87) US2020046552	(21) EP19905977.5
(32) 13.08.2015	18.02.2021	(47) 19.06.2024
(33) United States of America	(22) 14.08.2020	(87) CN2019128135
(51) G02B 27/00	(54) GHOST IMAGE MITIGATION IN SEE-	02.07.2020
B08B 1/00	THROUGH DISPLAYS WITH PIXEL	(22) 25.12.2019
G01N 21/15	ARRAYS	(54) PERISCOPE IMAGE CAPTURING
(11) EP3776061	(73) Magic Leap, Inc.	MODULE, AND IMAGE CAPTURING
(21) EP19785474.8	(72) MANLY, David	APPARATUS
(47) 19.06.2024	MATHUR, Vaibhav	(73) HUAWEI TECHNOLOGIES CO., LTD.
(87) US2019025397	OH, Chulwoo	(72) WU, Yushun
17.10.2019	ROLON, Jonathan Alexander	KUO, Li-Te
(22) 02.04.2019	CARLISLE, Clinton	LEE, Kuni
(54) OPTICAL CLEANING CARTRIDGE	(31) 201962887639 P	(31) 201811608417
(73) Illumina Inc.	(32) 15.08.2019	(32) 26.12.2018
(72) NEWMAN, Peter Clarke	(33) United States of America	(33) China
KUMAR, Ashish	(51) G02B 27/01	(51) G02B 30/25
(31) 201862677092 P	H04N 13/344	G02B 27/00
201862655777 P	G09G 3/00	G02F 1/13
(32) 28.05.2018	G06F 3/147	G02B 30/56
10.04.2018	H04N 13/359	G02F 1/01
(33) United States of America	G06F 1/32	G02F 1/13363
United States of America	G09G 3/20	G02F 1/31
(51) G02B 27/01	G06F 1/16	G02F 1/29
(11) EP3894939	G06F 1/3234	G02B 30/34
(21) EP20705549.2	G06F 3/01	(11) EP3528041
(47) 19.06.2024	(11) EP3951476	(21) EP19158017.4
(87) US2020013439	(21) EP20818735.1	(47) 19.06.2024
23.07.2020	(47) 19.06.2024	(22) 19.02.2019
(22) 14.01.2020	(87) CN2020093618	(54) BEAM DEFLECTOR
(54) HEAD-MOUNTED DISPLAY	10.12.2020	(73) Samsung Electronics Co., Ltd.
(73) Apple Inc.	(22) 30.05.2020	(72) Won, Kanghee
(72) HATFIELD, Dustin A.	(54) HEAD-MOUNTABLE DISPLAY DEVICE	Kim, Young
STRONGWATER, Daniel M.	AND DISPLAY METHOD THEREOF	An, Jungkwuen
BAUERLY, Kristi E.	(73) Huawei Technologies Co., Ltd.	Song, Hoon
(31) 201962793479 P	(72) MAO, Chunjing	(31) 20180019529
(32) 17.01.2019	(31) 201910478280	(32) 19.02.2018
(33) United States of America	(32) 03.06.2019	(33) Korea (Republic)
(51) G02B 27/01	(33) China	(51) G02B 30/27
B60K 35/00	(51) G02B 27/10	H04N 13/305
H04N 13/317	G02B 3/12	H04N 13/356
H04N 13/346	G02B 27/00	(11) EP3903148
H04N 13/363	G02B 27/01	(21) EP19901492.9
G02B 30/32	G02F 1/29	(47) 19.06.2024
G02B 30/31	G06F 3/01	(87) CN2019129252
H04N 13/31	G02B 3/08	02.07.2020
(11) EP3757657	(11) EP3894940	(22) 27.12.2019
(21) EP19757258.9	(21) EP19896866.1	(54) PROCESS FOR DRIVING A 2D/3D
(47) 19.06.2024	(47) 19.06.2024	SWITCHABLE AUTOSTEREO SCOPIC
(87) JP2019005880	(87) US2019015929	DISPLAY DEVICE
29.08.2019	18.06.2020	(73) Zhangjiagang Kangde Xin Optronics
(22) 18.02.2019	(22) 30.01.2019	Material Co., Ltd.
(54) HEAD-UP DISPLAY AND MOBILE	(54) OPTICAL SYSTEM USING	(72) DE JONG, Pieter Wilhelmus Theodorus
OBJECT	SEGMENTED PHASE PROFILE LIQUID	RUDAVSKYI, Andrii Ivanovych
(73) Kyocera Corporation	CRYSTAL LENSES	VAN KURINGEN, Hubertus Petrus
(72) KUSAFUKA Kaoru	(73) Meta Platforms Technologies, LLC	Cornelis
(31) 2018028248	(72) LANMAN, Douglas	PEETERS, Patrick Godefridus Jacobus
(32) 20.02.2018	JAMALI, Afssoon	Maria
(33) Japan	CHI, Wanli	BOEREFIJN, Ivar Jacco
(51) G02B 27/01	(31) 201916261552	(31) 2022327
G02B 26/08	201862780202 P	(32) 29.12.2018
G02B 26/06	(32) 29.01.2019	(33) Netherlands
G02B 26/04	15.12.2018	(51) G02C 5/22
G02B 26/02	(33) United States of America	(11) EP3816711
G02B 27/00	United States of America	(21) EP20204715.5

(47) 19.06.2024	108143263	C08G 65/34
(22) 29.10.2020	(32) 05.05.2020	G03F 7/075
(54) ELASTIC HINGE FOR EYEGLASSES AND METHOD FOR DISASSEMBLING SAID HINGE	27.11.2019	G03F 7/09
(73) Visottica Industrie S.p.A.	(33) Taiwan, Chinese Taipei	G03F 7/11
(72) MONTALBAN, Rinaldo	Taiwan, Chinese Taipei	H01L 21/308
(31) 201900019918	(51) G02F 1/29	(11) EP3828630
(32) 29.10.2019	G03B 21/20	(21) EP20205565.3
(33) Italy	H04N 9/31	(47) 19.06.2024
(51) G02F 1/1333	G02B 27/48	(22) 03.11.2020
G02F 1/13357	(11) EP4092482	(54) MATERIAL FOR FORMING ORGANIC FILM, PATTERNING PROCESS, AND POLYMER
G02F 1/1335	(21) EP22173845.3	(73) Shin-Etsu Chemical Co., Ltd.
G02F 1/167	(47) 19.06.2024	(72) Yamamoto, Yasuyuki
F21V 8/00	(22) 17.05.2022	Nakahara, Takayoshi
(11) EP3685222	(54) ILLUMINATION SYSTEM AND PROJECTION DEVICE	Ishiwata, Kenta
(21) EP18779520.8	(73) Coretronic Corporation	Kori, Daisuke
(47) 19.06.2024	(72) WU, JUI-YI	(31) 2019215420
(87) US2018050429	LU, CHIH-HUNG	(32) 28.11.2019
21.03.2019	ZHOU, JIA-HAO	(33) Japan
(22) 11.09.2018	OU, CHUNG-JEN	(51) G03F 7/00
(54) SELF-HEALING FLEXIBLE ELECTROPHORETIC DISPLAYS	(31) 202110555408	(11) EP3347410
(73) Amazon Technologies, Inc.	(32) 21.05.2021	(21) EP16844935.3
(72) SPRAGUE, Robert Arthur	(33) China	(47) 19.06.2024
MENON, Anoop	(51) G03B 13/32	(87) US2016050400
WANG, Ming	G03B 13/36	16.03.2017
MARASON, Eric Gifford	G03B 30/00	(22) 06.09.2016
CHENG, Shan	H04N 23/55	(54) SUBSTRATE PRETREATMENT AND ETCH UNIFORMITY IN NANOIMPRINT LITHOGRAPHY
HUA, Yuyan	H04N 23/60	(73) Canon Kabushiki Kaisha
HOU, Weihsin	H04N 23/62	(72) DOYLE, Gary F.
(31) 201715707307	H04N 23/67	WAN, Fen
(32) 18.09.2017	(11) EP3518030	STACHOWIAK, Timothy Brian
(33) United States of America	(21) EP17860755.2	LIU, Weijun
(51) G02F 1/1335	(47) 19.06.2024	KHUSNATDINOV, Niyaz
(11) EP3677953	(87) CN2017083678	(31) 201662355814 P
(21) EP18849661.6	19.04.2018	201615195789
(47) 19.06.2024	(22) 10.05.2017	201615004679
(87) CN2018095562	(54) TERMINAL DEVICE, AND FOCUSING METHOD AND APPARATUS	201562215316 P
07.03.2019	(73) Huawei Technologies Co., Ltd.	(32) 28.06.2016
(22) 13.07.2018	(72) XU, Tingting	28.06.2016
(54) COLOR FILTER SUBSTRATE AND PREPARATION METHOD THEREOF, DISPLAY PANEL AND DISPLAY DEVICE	CHEN, Chi	22.01.2016
(73) BOE Technology Group Co., Ltd.	YE, Haishui	08.09.2015
(72) LI, Hui	YE, Jingfei	(33) United States of America
XIAN, Jianbo	(31) 201610896376	United States of America
(31) 201721114547 U	(32) 13.10.2016	United States of America
(32) 31.08.2017	(33) China	United States of America
(33) China	(51) G03B 21/602	(51) G03F 7/20
(51) G02F 1/157	G03B 21/60	G02B 5/08
B60R 1/08	(11) EP3859446	(11) EP4176315
G02F 1/1333	(21) EP19864965.9	(21) EP21739996.3
B60R 1/12	(47) 19.06.2024	(47) 19.06.2024
(11) EP3828627	(87) CN2019100483	(87) EP2021068161
(21) EP20197966.3	02.04.2020	13.01.2022
(47) 19.06.2024	(22) 14.08.2019	(22) 01.07.2021
(22) 24.09.2020	(54) PROJECTION SCREEN AND PROJECTION SYSTEM	(54) OPTICAL ELEMENT, OPTICAL SYSTEM, LITHOGRAPHY SYSTEM, AND METHOD FOR OPERATING AN OPTICAL ELEMENT
(54) ELECTROCHROMIC MIRROR MODULE	(73) Appotronics Corporation Limited	(73) Carl Zeiss SMT GmbH
(73) Unimicron Technology Corp.	(72) SUN, Wei	(72) GRAF, Peter
(72) Chang, Po-Ching	LI, Yi	SCHNEIDER, Sonja
Lin, Shih-Yao	WANG, Jie	FINKEN, Reimar
Chan, Meng-Chia	HU, Fei	WABRA, Norbert
Hsu, Ming-Yuan	WANG, Lin	KIMLING, Johannes
Weng, Cheng-Ming	(31) 201811128808	(31) 102020208415
Lee, An-Sheng	(32) 27.09.2018	(32) 06.07.2020
(31) 109114917	(33) China	
	(51) G03F 1/00	
	C08G 65/00	
	C08G 8/00	

(33) Germany	(31) 2017026341	(33) Korea (Republic)
(51) G03G 15/00	2016038460	(51) G05B 15/02
(11) EP3647877	(32) 15.02.2017	(11) EP3903154
(21) EP19206448.3	29.02.2016	(21) EP20706392.6
(47) 19.06.2024	(33) Japan	(47) 19.06.2024
(22) 31.10.2019	Japan	(87) EP2020052980
(54) IMAGE FORMING APPARATUS	(51) G03G 15/20	27.08.2020
(73) CANON KABUSHIKI KAISHA	(11) EP3951504	(22) 06.02.2020
(72) YOSHIMOTO, Tetsuhiro	(21) EP19922022.9	(54) METHOD FOR DETERMINING A
OBATA, Shuji	(47) 19.06.2024	THERMAL CONSUMPTION OF
(31) 2018207948	(87) JP2019051138	AN ENERGY SYSTEM, ENERGY
(32) 05.11.2018	01.10.2020	MANAGEMENT SYSTEM AND
(33) Japan	(22) 26.12.2019	ENERGY SYSTEM
(51) G03G 15/00	(54) FIXING DEVICE	(73) Siemens Aktiengesellschaft
(11) EP3919983	(73) Brother Kogyo Kabushiki Kaisha	(72) WAGNER, Lisa
(21) EP21177035.9	(72) TAKEDA Kengo	KAUTZ, Martin
(47) 19.06.2024	TAKAHASHI Masamitsu	BAUMGÄRTNER, Thomas
(22) 01.06.2021	MURATA Satoshi	(31) 102019202440
(54) IMAGE FORMING APPARATUS	KAKIGAHARA Yutaka	(32) 22.02.2019
(73) CANON KABUSHIKI KAISHA	KAMIYA Masataka	(33) Germany
(72) YOKOYA, Takashi	(31) 2019219836	(51) G05B 19/042
ANDO, Yutaka	2019063821	(11) EP4004656
ODA, Yuichiro	(32) 04.12.2019	(21) EP20739959.3
NISHIKATA, Akinobu	28.03.2019	(47) 19.06.2024
OIKAWA, Toshifumi	(33) Japan	(87) EP2020069525
FUKUHARA, Riki	Japan	28.01.2021
YUMOTO, Koji	(51) G03G 15/20	(22) 10.07.2020
(31) 2020098511	(11) EP4123389	(54) METHOD FOR OPERATING A FIELD
(32) 05.06.2020	(21) EP22186585.0	DEVICE OF PROCESS AUTOMATION
(33) Japan	(47) 19.06.2024	TECHNOLOGY
(51) G03G 15/08	(22) 17.03.2015	(73) Endress + Hauser Flowtec AG
G03G 21/16	(54) IMAGE HEATING APPARATUS AND	(72) TSCHUDIN, Beat
(11) EP3667429	HEATER FOR USE THEREIN	BIER, Thomas
(21) EP20151727.3	(73) Canon Kabushiki Kaisha	WEISS, Steffen
(47) 19.06.2024	(72) SHIMURA, Yasuhiro	WORRETH, Bruno
(22) 27.07.2012	NIHONYANAGI, Koji	(31) 102019120199
(54) TONER CARTRIDGE	OGURA, Ryota	(32) 25.07.2019
(73) Ricoh Company, Ltd.	(31) 2015015750	(33) Germany
(72) TSURITANI, Shoh	2015013726	(51) G05B 19/18
FUJITA, Masanari	2015012816	B23F 1/06
HAMADA, Manabu	2014057058	B23F 5/20
NAKATAKE, Naoki	(32) 29.01.2015	(11) EP3341802
TSUJI, Masato	27.01.2015	(21) EP16791524.8
KUBOTA, Tomohiro	26.01.2015	(47) 19.06.2024
SHIMIZU, Yoshiyuki	19.03.2014	(87) EP2016001829
(31) 2012019937	(33) Japan	11.05.2017
2012019940	Japan	(22) 03.11.2016
2011164036	Japan	(54) METHOD FOR CREATING OR
(32) 01.02.2012	Japan	MACHINING TOOTHINGS ON
01.02.2012	(51) G04R 60/06	WORKPIECES
27.07.2011	H01Q 1/27	(73) Gleason-Pfauter Maschinenfabrik GmbH
(33) Japan	H01Q 11/08	(72) KIENZLE, Florian
Japan	G04R 60/04	MAYER, Sven
Japan	H01Q 9/30	(31) 102015014313
(51) G03G 15/08	G06F 1/16	(32) 05.11.2015
G03G 21/16	(11) EP3440515	(33) Germany
G03G 21/18	(21) EP17792860.3	(51) G05B 19/404
(11) EP3211483	(47) 19.06.2024	(11) EP4078304
(21) EP17158069.9	(87) KR2017004613	(21) EP21718030.6
(47) 19.06.2024	09.11.2017	(47) 19.06.2024
(22) 27.02.2017	(22) 28.04.2017	(87) EP2021057457
(54) DEVELOPING CARTRIDGE AND	(54) ELECTRONIC DEVICE INCLUDING	07.10.2021
IMAGE FORMING APPARATUS	ANTENNA	(22) 23.03.2021
(73) Canon Kabushiki Kaisha	(73) Samsung Electronics Co., Ltd.	(54) REDUCTION OF FRICTION WITHIN A
(72) ABE, Tsukasa	(72) LEE, June Suk	MACHINE TOOL
ANAN, Osamu	LEE, Won Wook	(73) Siemens Aktiengesellschaft
TANABE, Masato	(31) 20160054115	(72) HEIN, Daniel
SUESHIGE, Kazutaka	(32) 02.05.2016	UDLUFT, Steffen

YUTKOWITZ, Stephen	(33) United States of America	(31) 201710034947
(31) 20167577	(51) G05D 1/633	(32) 17.01.2017
(32) 01.04.2020	(11) EP4139765	(33) China
(33) European Patent Office (EPO)	(21) EP21718146.0	(51) G06F 1/16
(51) G05B 19/4093	(47) 19.06.2024	G06F 1/18
B21D 5/02	(87) EP2021059973	B64D 11/06
(11) EP4031306	04.11.2021	G06F 1/26
(21) EP20866210.6	(22) 16.04.2021	G06F 13/20
(47) 19.06.2024	(54) METHODS, DEVICES AND SYSTEMS	(11) EP3855284
(87) JP2020033981	FOR FACILITATING OPERATIONS OF	(21) EP21150475.8
25.03.2021	MOBILE ROBOTS	(47) 19.06.2024
(22) 08.09.2020	(73) Starship Technologies OÜ	(22) 07.01.2021
(54) PROCESSING PROGRAM CREATION	(72) HEINLA, Ahti	(54) METHOD AND APPARATUS FOR
SYSTEM AND PROCESSING	KHARAGORGIIEV, Sergii	AUXILIARY PORT FUNCTION
PROGRAM CREATION METHOD	SCHILDHAUER, Thomas	DISTINCTION
(73) Amada Co., Ltd.	(31) 20171622	(73) Gulfstream Aerospace Corporation
(72) SENBA Akira	(32) 27.04.2020	(72) MEDIN, Kristin
THOLATH Jackson	(33) European Patent Office (EPO)	CARDEN, Kenneth
DIVAKARAN Raj Prasanth	(51) G05D 23/19	KNIGHT, Dean
(31) 201941038166	F24D 19/10	WALLACE, Matthew
(32) 21.09.2019	F28F 27/00	O'HARA, Timothy
(33) India	(11) EP3869292	(31) 202016749055
(51) G05B 23/02	(21) EP21157356.3	(32) 22.01.2020
G01N 17/00	(47) 19.06.2024	(33) United States of America
(11) EP3844582	(22) 16.02.2021	(51) G06F 1/16
(21) EP19748792.9	(54) CONTROL SYSTEM AND METHOD	H01Q 1/24
(47) 19.06.2024	FOR CONTROLLING A CONTROL	H01Q 3/24
(87) EP2019070460	VALVE OF A HYDRODYNAMIC	H01Q 5/307
05.03.2020	SYSTEM USING AN ACTUATOR	H04B 1/3827
(22) 30.07.2019	(73) Danfoss A/S	H04B 1/401
(54) METHOD FOR MONITORING	(72) KELLY, John	H04M 1/02
A MEASUREMENT POINT IN A	CERNEKA, Iztok	(11) EP3905001
PROCESS AUTOMATION SYSTEM	OSOJNIK, Matjaz	(21) EP19903852.2
(73) Endress+Hauser Process Solutions AG	(31) PA202000203	(47) 19.06.2024
(72) ISLER, Christian	(32) 19.02.2020	(87) CN2019123598
HUBER, Hans-Jürgen	(33) Denmark	02.07.2020
KÖLBLIN, Robert	(51) G05G 9/047	(22) 06.12.2019
THOREN, Werner	(11) EP3964917	(54) MOBILE TERMINAL AND ANTENNA
(31) 102018120839	(21) EP21192125.9	CONTROL METHOD
(32) 27.08.2018	(47) 19.06.2024	(73) VIVO MOBILE COMMUNICATION CO.,
(33) Germany	(22) 19.08.2021	LTD.
(51) G05B 23/02	(54) CONTROL HANDLE HAVING AT LEAST	(72) LIU, Yang
G06N 20/00	ONE BACKLIT IDENTIFIER, AND	(31) 201811595496
(11) EP4211521	A VEHICLE HAVING A CONTROL	(32) 25.12.2018
(21) EP21805857.6	PROVIDED WITH SUCH A CONTROL	(33) China
(47) 19.06.2024	HANDLE	(51) G06F 1/20
(87) EP2021079752	(73) Airbus Helicopters	H05K 7/20
05.05.2022	(72) FERRIGNO, Frédéric	F28D 15/04
(22) 27.10.2021	(31) 2009008	F28F 3/12
(54) AUTOMATICALLY GENERATING	(32) 04.09.2020	F28D 15/02
TRAINING DATA OF A TIME SERIES	(33) France	F28D 21/00
OF SENSOR DATA	(51) G06F 1/16	(11) EP3971681
(73) Siemens Aktiengesellschaft	E05D 5/10	(21) EP20815643.0
(72) GALABOV, Filip	E05D 5/14	(47) 19.06.2024
GÜNNEMANN-GHOLIZADEH, Nikou	(11) EP3567449	(87) CN2020092170
(31) 20204678	(21) EP17893014.5	03.12.2020
(32) 29.10.2020	(47) 19.06.2024	(22) 25.05.2020
(33) European Patent Office (EPO)	(87) CN2017085573	(54) HEAT-CONDUCTING MEMBER AND
(51) G05D 1/00	26.07.2018	ELECTRONIC DEVICE
(11) EP4141599	(22) 23.05.2017	(73) Huawei Technologies Co., Ltd.
(21) EP21196902.7	(54) PROTECTIVE CASING FOR TABLET	(72) HUANG, Xuelong
(47) 19.06.2024	COMPUTER AND TWO-IN-ONE	LI, Longyu
(22) 15.09.2021	COMPUTER	CAI, Ming
(54) MULTI-ROBOT ROUTE PLANNING	(73) Huawei Technologies Co., Ltd.	(31) 201910456489
(73) Rapyuta Robotics Co., Ltd.	(72) HE, Pan	(32) 29.05.2019
(72) LI, Wen Zheng	ZHAI, Xiaodong	(33) China
(31) 202117460649	GAO, Buwei	(51) G06F 1/26
(32) 30.08.2021	ZHANG, Peng	(11) EP3365743

(21) EP16857970.4 (47) 19.06.2024 (87) US2016052846 27.04.2017	(73) Nokia Technologies Oy (72) VIRTANEN, Timo GUPTA, Pratibha SIEW, Aik Hua	(54) SWITCHABLE AUTOSTEREOSCOPIC DISPLAY WITH CAPACITIVE TOUCH LOCATION SENSOR
(22) 21.09.2016 (54) DROOP DETECTION AND REGULATION FOR PROCESSOR TILES	(31) 201815903839 (32) 23.02.2018 (33) United States of America	(73) Zhangjiagang Kangde Xin Optronics Material Co., Ltd. (72) RUDAVSKYI, Andrii Ivanovych VAN DER HORST, Jan
(73) Advanced Micro Devices, Inc. (72) RODRIGUEZ, Miguel KOSONOCKY, Stephen Victor	(51) G06F 3/03 (11) EP2780780 (21) EP12794895.8 (47) 19.06.2024 (87) EP2012072513 23.05.2013	(31) 2022312 (32) 24.12.2018 (33) Netherlands
(31) 201514919364 (32) 21.10.2015 (33) United States of America	(47) 19.06.2024 (87) EP2012072513 23.05.2013 (22) 13.11.2012	(51) G06F 3/0487 G06F 3/0485 G06F 1/16 G06F 3/0481 G06F 3/0488 H04M 1/725
(51) G06F 3/01 G06F 3/03 G08B 13/196	(54) POSITION DETERMINATION FOR AN OBJECT BY MEANS OF THE SENSING OF A POSITION PATTERN BY AN OPTICAL SENSOR	(11) EP3674872 (21) EP17926387.6 (47) 19.06.2024 (87) CN2017105064 04.04.2019
(11) EP3800532 (21) EP20210125.9 (47) 19.06.2024 (22) 24.12.2014	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) VEY, Christian PICKEL, Jörg ZEH, Rinat KRÄGELOH, Stefan	(22) 30.09.2017 (54) TASK SWITCHING METHOD AND TERMINAL
(54) AUTOMATED MONITORING OF A SCENE	(31) 102011086318 (32) 14.11.2011 (33) Germany	(73) Huawei Technologies Co., Ltd. (72) HUANG, Liwei QIAN, Kai LIU, Zhenyu
(73) Nokia Technologies Oy (72) LEHTINIEMI, Arto Juhani FU, Junsheng LEPPÄNEN, Jussi Artturi ERONEN, Antti Johannes	(31) 102011086318 (32) 14.11.2011 (33) Germany	(54) TASK SWITCHING METHOD AND TERMINAL
(51) G06F 3/01 G06F 3/0354 G06F 3/041	(51) G06F 3/041 G06F 3/0354 G06F 1/16	(51) G06F 3/0488 G06F 3/041 G04G 21/08 G06F 3/01 G06F 3/044
(11) EP4168882 (21) EP21737732.4 (47) 19.06.2024	(11) EP4064012 (21) EP21759715.2 (47) 19.06.2024	(11) EP3537280 (21) EP16922500.0 (47) 19.06.2024 (87) CN2016107337 31.05.2018
(87) GB2021000073 23.12.2021 (22) 17.06.2021	(87) JP2021001589 02.09.2021 (22) 19.01.2021	(87) CN2016107337 31.05.2018
(54) TOUCH DEVICE	(54) INFORMATION INPUT DEVICE CAPABLE OF DETECTING SHEAR FORCE	(22) 25.11.2016 (54) METHOD FOR CONTROLLING SMART WATCH, AND SMART WATCH
(73) Peratech Holdco Ltd (72) XIN, Wei BING, Lu FENG, Xu JIN, Cao	(73) Nissha Co., Ltd. (72) WATAZU Yuji (31) 2020029030 (32) 25.02.2020 (33) Japan	(73) Huawei Technologies Co., Ltd. (72) JIN, Qinghao ZHAO, Xinyu CHEN, Yunzhe SI, Heshuai GONG, Yangming
(31) 202021129383 U (32) 17.06.2020 (33) China	(32) 25.02.2020 (33) Japan	(72) JIN, Qinghao ZHAO, Xinyu CHEN, Yunzhe SI, Heshuai GONG, Yangming
(51) G06F 3/01 H04L 1/00 H04L 12/28 H04W 4/38 H04W 4/40 H04W 4/44 H04W 4/70 H04W 28/02 H04W 28/18 F24F 11/56 B64C 39/02 G05B 21/02 G08C 17/00	(51) G06F 3/044 (11) EP3770740 (21) EP20186283.6 (47) 19.06.2024 (22) 16.07.2020 (54) TOUCH DISPLAY DEVICE	(51) G06F 3/06 G06F 16/174 (11) EP3867739 (21) EP19745088.5 (47) 19.06.2024 (87) EP2019069753 28.01.2021 (22) 23.07.2019 (54) DEVICES, SYSTEM AND METHODS FOR DEDUPLICATION
(11) EP3756072 (21) EP19756494.1 (47) 19.06.2024 (87) IB2019051340 29.08.2019	(73) LG Display Co., Ltd. (72) PARK, YongChan LEE, HwiDeuk LEE, Yangsik	(87) EP2019069753 28.01.2021 (22) 23.07.2019 (54) DEVICES, SYSTEM AND METHODS FOR DEDUPLICATION
(22) 19.02.2019 (54) CONTROL SERVICE FOR CONTROLLING DEVICES WITH BODY- ACTION INPUT DEVICES	(31) 20190088378 (32) 22.07.2019 (33) Korea (Republic)	(73) Huawei Technologies Co., Ltd. (72) YEGER, Asaf MOR, Yaron KUVENT, Aviv
	(51) G06F 3/044 G02F 1/1333 G02B 30/27	(72) YEGER, Asaf MOR, Yaron KUVENT, Aviv
	(11) EP3903479 (21) EP19903561.9 (47) 19.06.2024 (87) CN2019127615 02.07.2020 (22) 23.12.2019	(51) G06F 3/12 G06F 9/4401 (11) EP4213010 (21) EP23150830.0 (47) 19.06.2024 (22) 10.01.2023

(54) GUIDANCE CONTROL METHOD FOR DRIVER INSTALLATION, DEVICE REGARDING THE SAME, AND TERMINAL	G06F 17/16 (11) EP4102354 (21) EP22188228.5 (47) 19.06.2024	(32) 24.12.2019 (33) China
(73) Zhuhai Pantum Electronics Co., Ltd.	(22) 20.11.2019	(51) G06F 8/65
(72) HOU, Tao ZHANG, Xiangkui ZHAO, Lijun ZHANG, Qiang LI, Yan	(54) METHOD, CIRCUIT, AND SOC FOR PERFORMING MATRIX MULTIPLICATION OPERATION	(11) EP3945417 (21) EP21182002.2 (47) 19.06.2024 (22) 28.06.2021
(31) 202210037386 (32) 13.01.2022 (33) China	(73) Huawei Technologies Co., Ltd. (72) HE, Leijun WANG, Kaixing XU, Bin	(54) SOFTWARE UPDATE DEVICE, UPDATE CONTROL METHOD, NON-TRANSITORY STORAGE MEDIUM, AND SERVER (73) TOYOTA JIDOSHA KABUSHIKI KAISHA (72) HAMASAKI, Jun (31) 2020127515 (32) 28.07.2020 (33) Japan
(51) G06F 3/12 H04L 41/08 G06F 21/10 H04L 43/0817 G06F 11/30	(31) 201811384503 (32) 20.11.2018 (33) China	(51) G06F 8/71 G06F 8/75 G06F 11/36 G06N 20/00
(11) EP4068072 (21) EP22161224.5 (47) 19.06.2024 (22) 10.03.2022	(51) G06F 8/38 G06F 9/451 (11) EP3474135 (21) EP18202111.3 (47) 19.06.2024 (22) 23.10.2018	(11) EP3983884 (21) EP20751330.0 (47) 19.06.2024
(54) DEVICE MONITORING METHOD, APPARATUS, SERVER, AND STORAGE MEDIUM	(54) UNIVERSAL APPLICATION FRAMEWORK FOR STREAMLINED FRONTEND DEVELOPMENT OF USER INTERFACE APPLICATIONS	(87) US2020036717 21.01.2021
(73) Zhuhai Pantum Electronics Co., Ltd.	(73) Open Text Software GmbH	(22) 09.06.2020
(72) WANG, Guodong LIU, Zhongsong ZHAO, Yuanpei	(72) Stephan, Florian (31) 201762575617 P (32) 23.10.2017 (33) United States of America	(54) DETECTING MISCONFIGURATION AND/OR BUG(S) IN LARGE SERVICE(S) USING CORRELATED CHANGE ANALYSIS
(31) 202110270986 (32) 12.03.2021 (33) China	(51) G06F 8/61 G06F 9/50 G06F 9/455 G06F 16/174	(73) Microsoft Technology Licensing, LLC (72) BHAGWAN, Ranjita BIRD, Christian Alma ASHOK, Balasubramanyan MEHTA, Sonu KUMAR, Rahul ASTHANA, Sumit KUMAR, Aditya MADDILA, Chandra Sekhar BANSAL, Chetan
(51) G06F 3/16 G10L 15/22	(11) EP3991040 (21) EP20735718.7 (47) 19.06.2024	(31) 201916515135 (32) 18.07.2019 (33) United States of America
(11) EP4030422 (21) EP20872498.9 (47) 19.06.2024 (87) CN2020118748 08.04.2021 (22) 29.09.2020	(87) US2020036544 30.12.2020 (22) 08.06.2020	(51) G06F 8/76 G06F 8/35 G06F 11/30 G06F 11/36 (11) EP4024204 (21) EP20860819.0 (47) 19.06.2024 (87) CN2020110026 11.03.2021 (22) 19.08.2020
(54) VOICE INTERACTION METHOD AND DEVICE	(54) CONTAINER MANAGEMENT SYSTEM WITH A LAYOUT MANAGER SYSTEM	(54) NON-INTRUSIVE INTERACTION METHOD AND ELECTRONIC DEVICE
(73) Huawei Technologies Co., Ltd.	(73) Microsoft Technology Licensing, LLC	(73) Huawei Device Co., Ltd.
(72) LIANG, Chao ZHOU, Yuxiao LIU, Chunliang SONG, Ping	(72) STARKS, John, Andrew CHAGANI, Shaheed, Gulamabbas XIE, Ping BRENDER, Scott, A.	(72) WANG, Jianfeng CHEN, Xiaoxiao GUAN, Chi CHEN, Hao YANG, Xiaoyun
(31) 201910941167 (32) 30.09.2019 (33) China	(31) 201916667776 201962867866 P (32) 29.10.2019 28.06.2019 (33) United States of America United States of America	(31) 201910886241 201910840922 (32) 19.09.2019 05.09.2019 (33) China China
(51) G06F 7/499 (11) EP4235397 (21) EP22305212.7 (47) 19.06.2024 (22) 25.02.2022	(51) G06F 8/65 (11) EP4064039 (21) EP20905681.1 (47) 19.06.2024 (87) CN2020138303 01.07.2021 (22) 22.12.2020	(51) G06F 8/77
(54) METHOD AND SYSTEM FOR CONVERTING AN INPUT COMPUTER PROGRAM INTO AN OUTPUT COMPUTER PROGRAM ACHIEVING A TARGET GLOBAL ACCURACY	(54) OTA SYSTEM SOFTWARE UPGRADE CONTROL METHOD AND TERMINAL DEVICE	
(73) MITSUBISHI ELECTRIC CORPORATION Mitsubishi Electric R&D Centre Europe B.V.	(73) Huawei Technologies Co., Ltd.	
(72) BOYER, Benoit MELQUIOND, Guillaume FAISSOLE, Florian	(72) HE, Chaohui CHEN, Xiaodong ZHANG, Zhenqi	
(51) G06F 7/544	(31) 201911350143	

G06F 8/36	201762567733 P	(54) METHOD FOR VIRTUAL MACHINE TO
G06F 8/33	(32) 08.12.2017	REMOTELY ACCESS DATA OF USB
G06F 8/73	03.10.2017	PERIPHERAL DEVICE
G06F 8/75	(33) United States of America	(73) Huawei Technologies Co., Ltd.
G06F 11/36	United States of America	(72) DU, Jinxin
(11) EP3379409	(51) G06F 9/451	(31) 201910472752
(21) EP18162500.5	G06F 16/9535	201910398086
(47) 19.06.2024	(11) EP3242203	(32) 31.05.2019
(22) 19.03.2018	(21) EP17159829.5	14.05.2019
(54) AUTOMATED PROGRAM CODE	(47) 19.06.2024	(33) China
ANALYSIS AND REPORTING	(2) 08.03.2017	China
(73) Accenture Global Solutions Limited	(54) METHOD FOR OPERATING A DISPLAY	(51) G06F 9/46
(72) KAKKAD, Hemant	DEVICE AND DISPLAY DEVICE	G06F 9/30
GUPTA, Richa	(73) Beijing Xiaomi Mobile Software Co., Ltd.	G06F 9/38
GOHN GIRI, Shiv	(72) LIU, Fang	(11) EP4152150
GUPTA, Nitin Kumar	ZHANG, Peng	(21) EP20939004.6
(31) 201741009848	KANG, Shangmingxue	(47) 19.06.2024
201815913630	(31) 201610285269	(87) CN2020093627
(32) 21.03.2017	(32) 29.04.2016	09.12.2021
06.03.2018	(33) China	(22) 30.05.2020
(33) India	(51) G06F 9/455	(54) PROCESSOR, PROCESSING
United States of America	G06F 9/4401	METHOD, AND RELATED DEVICE
(51) G06F 9/451	G06F 13/28	(73) Huawei Technologies Co., Ltd.
G06F 3/0482	(11) EP3992790	(72) ZHOU, Xiping
G06F 3/0488	(21) EP20846569.0	ZHOU, Ruoyu
(11) EP4071607	(47) 19.06.2024	SUN, Wenbo
(21) EP20895935.3	(87) CN2020098722	ZHU, Fan
(47) 19.06.2024	04.02.2021	(51) G06F 9/50
(87) CN2020132068	(22) 29.06.2020	(11) EP3467652
10.06.2021	(54) INFORMATION PROCESSING	(21) EP17818988.2
(22) 27.11.2020	METHOD, PHYSICAL MACHINE AND	(47) 19.06.2024
(54) METHOD FOR SHARING	PCIE DEVICE	(87) CN2017085376
APPLICATION, ELECTRONIC	(73) HUAWEI TECHNOLOGIES CO., LTD.	04.01.2018
APPARATUS, AND COMPUTER	(72) CAO, Shui	(22) 22.05.2017
READABLE STORAGE MEDIUM	XIANG, Zihao	(54) DATA BALANCING METHOD AND
(73) Vivo Mobile Communication Co., Ltd.	OUYANG, Changchun	DEVICE
(72) Qi, Shuangcheng	(31) 201910703910	(73) Huawei Technologies Co., Ltd.
(31) 201911211016	(32) 31.07.2019	(72) TAO, Weizhong
(32) 02.12.2019	(33) China	WU, Gang
(33) China	(51) G06F 9/455	LU, Jingshi
(51) G06F 9/451	G06F 13/28	(31) 201610511324
G06F 9/445	G06F 9/48	(32) 30.06.2016
G06F 8/61	(11) EP3992805	(33) China
G06F 3/0482	(21) EP20846078.2	(51) G06F 11/14
G06F 16/9032	(47) 19.06.2024	G06F 11/30
G06F 40/35	(87) CN2020106044	(11) EP4075278
H04M 1/72403	04.02.2021	(21) EP22168056.4
H04M 1/72454	(22) 31.07.2020	(47) 19.06.2024
H04M 1/72469	(54) LIVE MIGRATION METHOD	(22) 13.04.2022
H04W 4/33	FOR VIRTUAL MACHINE AND	(54) SYSTEM AND METHOD FOR
H04W 4/38	COMMUNICATION DEVICE	EXTRACTING AND CATALOGING
H04W 4/70	(73) HUAWEI TECHNOLOGIES CO., LTD.	SPECIFIED FILE ACTIVITY DATA
(11) EP3545412	(72) CAO, Shui	(73) Teracloud ApS
(21) EP18795855.8	LIU, Yaochong	(72) Eckert, Paul J.
(47) 19.06.2024	QIU, Jun	(31) 202163175798 P
(87) US2018054120	OUYANG, Changchun	(32) 16.04.2021
11.04.2019	(31) 201910704642	(33) United States of America
(22) 03.10.2018	(32) 31.07.2019	(51) G06F 11/20
(54) SYSTEMS, METHODS, AND	(33) China	(11) EP4148579
APPARATUS THAT PROVIDE	(51) G06F 9/455	(21) EP22186891.2
MULTI-FUNCTIONAL LINKS FOR	H04L 67/565	(47) 19.06.2024
INTERACTING WITH AN ASSISTANT	H04L 67/5651	(22) 20.03.2019
AGENT	(11) EP3958119	(54) ONE-SIDED RELIABLE REMOTE
(73) Google LLC	(21) EP20804849.6	DIRECT MEMORY OPERATIONS
(72) ELHADDAD, Dina	(47) 19.06.2024	(73) Oracle International Corporation
WANG, Mingling	(87) CN2020089502	(72) Loaiza, Juan R.
ZHOU, Ye	19.11.2020	Pant, Avneesh
(31) 201715835835	(22) 10.05.2020	Swart, Garret F.

Kamp, Jesse	G06F 21/57	(33) United States of America
Kimura, Hideaki	(11) EP3841476	(51) G06F 12/1009
Lahiri, Tirthankar	(21) EP19851914.2	G06F 12/1027
(31) 201816055978	(47) 19.06.2024	G06F 12/1036
(32) 06.08.2018	(87) US2019048037	(11) EP4283476
(33) United States of America	27.02.2020	(21) EP23165479.9
(51) G06F 11/20	(22) 23.08.2019	(47) 19.06.2024
G06F 11/34	(54) SCALABLE PRE-ANALYSIS OF	(22) 30.03.2023
G06F 11/30	DYNAMIC APPLICATIONS	(54) INPUT OUTPUT MEMORY
G06F 8/60	(73) Oracle International Corporation	MANAGEMENT UNIT AND
H04L 67/12	(72) O'DONOGHUE, Rebecca Jane	ELECTRONIC DEVICE HAVING THE
(11) EP3716072	SUESS, Joern, Guy	SAME
(21) EP20165416.7	ALLEN, Nicholas John	(73) Samsung Electronics Co., Ltd.
(47) 19.06.2024	(31) 201816112220	(72) JO, Seongmin
(22) 24.03.2020	(32) 24.08.2018	JANG, Junbeom
(54) CONTROLLER APPLICATION MODULE	(33) United States of America	KIM, Youngseok
ORCHESTRATOR	(51) G06F 12/02	(31) 20220063752
(73) Honeywell International Inc.	G06F 12/06	202318101352
(72) MCLAUGHLIN, Paul Francis	(11) EP4198744	(32) 24.05.2022
FELIX, Joseph Pradeep	(21) EP22207686.1	25.01.2023
ROSA-BIAN, John	(47) 19.06.2024	(33) Korea (Republic)
(31) 201916459264	(22) 16.11.2022	United States of America
201962825883 P	(54) ACCESSING A MEMORY USING INDEX	(51) G06F 12/14
(32) 01.07.2019	OFFSET INFORMATION	G06F 9/455
29.03.2019	(73) Intel Corporation	G06F 12/109
(33) United States of America	(72) Liu, Yen-Cheng	G06F 9/30
United States of America	Enamandram, Anand K.	G06F 9/35
(51) G06F 11/30	Vander Kamp, Kerry	(11) EP4055488
G06F 13/40	Agarwal, Monam	(21) EP20801432.4
(11) EP4095696	Branch, Robert A.	(47) 19.06.2024
(21) EP20934264.1	Chen, Wei	(87) US2020056399
(47) 19.06.2024	(31) 202117553458	14.05.2021
(87) CN2020125831	(32) 16.12.2021	(22) 20.10.2020
11.11.2021	(33) United States of America	(54) CONFIDENTIAL COMPUTING
(22) 02.11.2020	(51) G06F 12/06	MECHANISM
(54) RS485 INTERFACE ACCESS	G06F 13/42	(73) Microsoft Technology Licensing, LLC
STATE DETECTION CIRCUIT AND	(11) EP3961408	(72) FOURNET, Cédric Alain Marie
DETECTION METHOD	(21) EP20207956.2	Christophe
(73) SPL Electronic Technology Co., Ltd	(47) 19.06.2024	CLEBSCH, Sylvan W.
(72) PANG, Hao	(22) 17.11.2020	CHISNALL, David T.
(31) 202010384559	(54) MAPPED REGISTER ACCESS BY	(31) 19207496
(32) 08.05.2020	MICROCONTROLLERS	(32) 06.11.2019
(33) China	(73) OpenLight Photonics, Inc.	(33) European Patent Office (EPO)
(51) G06F 11/30	(72) SOSNOWSKI, George R.	(51) G06F 16/21
G06Q 10/20	MARCOCCIA, Roberto	G06F 16/22
G06F 11/34	WOYCIEHOWSKY, Sean-Paul	G06F 16/25
(11) EP3767558	SCHMIDT, Theodore J.	(11) EP4002145
(21) EP20185824.8	(31) 202017005749	(21) EP20206967.0
(47) 19.06.2024	(32) 28.08.2020	(47) 19.06.2024
(22) 14.07.2020	(33) United States of America	(22) 11.11.2020
(54) METHOD AND DEVICE FOR	(51) G06F 12/0802	(54) LIST-BASED DATA STORAGE FOR
DETERMINING AN ESTIMATED	G06F 12/02	DATA SEARCH
DURATION BEFORE A TECHNICAL	G06F 12/0811	(73) Cortex Innovations GmbH
INCIDENT IN AN IT INFRASTRUCTURE	G06F 12/0846	(72) Palm, Peter
FROM PERFORMANCE INDICATOR	G06F 12/0862	(51) G06F 16/22
VALUES	G06F 12/0897	G06F 16/25
(73) Bull SAS	(11) EP3895025	G06F 16/28
Commissariat à l'Energie Atomique et	(21) EP19832499.8	(11) EP3667511
aux Energies Alternatives	(47) 19.06.2024	(21) EP19214410.3
(72) SGHIOUER, Kaoutar	(87) US2019065155	(47) 19.06.2024
PORCHER, Guillaume	18.06.2020	(22) 09.12.2019
ROY, Jean-François	(22) 09.12.2019	(54) NON-UNIFORM PAGINATION OF
SEROUL, Pierre	(54) CACHE FOR STORING REGIONS OF	COLUMNAR DATA
(31) 1907985	DATA	(73) SAP SE
(32) 15.07.2019	(73) Advanced Micro Devices, Inc.	(72) SMIMIOS, John
(33) France	(72) LOH, Gabriel, H.	SHERKAT, Reza
(51) G06F 11/36	(31) 201816214363	LIN, Gary
G06F 21/56	(32) 10.12.2018	(31) 201816215276

(32) 10.12.2018	G06F 16/583	(47) 19.06.2024
(33) United States of America	G06V 30/10	(87) US2020053032
(51) G06F 16/27	G06V 10/26	08.04.2021
G06F 11/20	G06V 30/40	(22) 28.09.2020
G06F 3/06	G07D 7/0043	(54) DELEGATED BIOMETRIC
(11) EP3830681	G07D 7/206	AUTHENTICATION
(21) EP19758855.1	(11) EP4033376	(73) Visa International Service Association
(47) 19.06.2024	(21) EP21305081.8	(72) SHIRVANIAN, Maliheh
(87) US2019044591	(47) 19.06.2024	ARORA, Sunpreet Singh
06.02.2020	(22) 22.01.2021	(31) 201916589609
(22) 01.08.2019	(54) DISTRIBUTED COMPUTER SYSTEM	(32) 01.10.2019
(54) SYNCHRONOUS REPLICATION BASED	FOR DOCUMENT AUTHENTICATION	(33) United States of America
CUTOVER ENGINE	(73) Amadeus S.A.S.	(51) G06F 21/44
(73) NetApp, Inc.	(72) PARIDA, Swagat	B41J 2/175
(72) KAUSHIK, Akhil	SASIDHARAN, Renjith K	G06F 21/73
RAMANI, Balaji	(51) G06F 16/683	(11) EP3511854
(31) 201841029051	G10L 25/51	(21) EP19150424.0
201816191582	G10L 25/54	(47) 19.06.2024
(32) 02.08.2018	(11) EP4006748	(22) 04.01.2019
15.11.2018	(21) EP22151836.8	(54) AUTHENTICATION METHOD AND
(33) India	(47) 19.06.2024	CIRCUIT
United States of America	(22) 28.07.2017	(73) STMICROELECTRONICS (ROUSSET)
(51) G06F 16/27	(54) AUDIO MATCHING	SAS
G06F 11/30	(73) Intrasonics S.A.R.L.	(72) MARINET, Fabrice
G06F 11/34	(72) KELLY, Peter John	(31) 1850332
G06F 16/2455	SCHALKWIJK, Jerome	(32) 16.01.2018
(11) EP3818454	(31) 201613960	(33) France
(21) EP19841363.5	(32) 15.08.2016	(51) G06F 21/44
(47) 19.06.2024	(33) United Kingdom	G06F 21/57
(87) CN2019095691	(51) G06F 17/14	G06F 21/74
30.01.2020	H04L 9/40	(11) EP3885949
(22) 12.07.2019	G06F 17/18	(21) EP21174698.7
(54) ASYNCHRONOUS CACHE	G06F 18/2433	(47) 19.06.2024
COHERENCY FOR MVCC BASED	(11) EP3777083	(22) 23.03.2016
DATABASE SYSTEMS	(21) EP19719665.2	(54) SYSTEM MANAGEMENT MODE
(73) HUAWEI TECHNOLOGIES CO., LTD.	(47) 19.06.2024	TRUST ESTABLISHMENT FOR OS
(72) PEI, Chunfeng	(87) US2019024170	LEVEL DRIVERS
CHEN, Yu	10.10.2019	(73) INTEL Corporation
SUN, Yang	(22) 27.03.2019	(72) ZIMMER, Vincent J.
CHEN, Jun	(54) ANOMALY DETECTION AND	MUDUSURU, Giri
CAI, Le	PROCESSING FOR SEASONAL DATA	ADAMS, Nicholas
CHEN, Jianjun	(73) Microsoft Technology Licensing, LLC	ROSENBAUM, Lee G.
DU, Xiaolin	(72) GAPPER, Justin	(31) 201514666219
(31) 201816047458	(31) 201815946054	(32) 23.03.2015
(32) 27.07.2018	(32) 05.04.2018	(33) United States of America
(33) United States of America	(33) United States of America	(51) G06F 21/44
(51) G06F 16/28	(51) G06F 21/32	H04L 9/40
(11) EP3867774	A61B 5/1172	H04W 12/06
(21) EP19797933.9	G06V 40/13	H04W 12/12
(47) 19.06.2024	(11) EP4083829	(11) EP3602998
(87) US2019056363	(21) EP22170166.7	(21) EP18710982.2
23.04.2020	(47) 19.06.2024	(47) 19.06.2024
(22) 15.10.2019	(22) 27.04.2022	(87) US2018020291
(54) SYSTEM AND METHOD FOR	(54) FINGERPRINT ACQUISITION	27.09.2018
DEPENDENCY ANALYSIS IN A	APPARATUS	(22) 28.02.2018
MULTIDIMENSIONAL DATABASE	(73) Idemia Identity & Security France	(54) DEVICE IDENTIFICATION
ENVIRONMENT	(72) MAILLARD, Sylvain Emile Henri	(73) Forescout Technologies, Inc.
(73) Oracle International Corporation	DUMONT, Denis	(72) YANG, Siying
(72) RIABOI, Sergei	(31) 2104541	ZHANG, Yang
REICHMAN, Natalia	(32) 30.04.2021	(31) 201715463227
KATKADE, Pralhad	(33) France	(32) 20.03.2017
(31) 201841039503	(51) G06F 21/32	(33) United States of America
201916439532	G06F 21/45	(51) G06F 21/52
(32) 18.10.2018	H04L 9/08	G06F 11/36
12.06.2019	H04L 9/32	G06F 21/56
(33) India	H04L 9/40	G06F 21/57
United States of America	(11) EP4038523	(11) EP4177778
(51) G06F 16/55	(21) EP20872369.2	(21) EP22194659.3

(47) 19.06.2024	(47) 19.06.2024	(21) EP21749061.4
(22) 08.09.2022	(22) 12.04.2022	(47) 19.06.2024
(54) DETECTING SOFTWARE VULNERABILITIES IN A BINARY CODE	(54) METHOD AND DEVICES FOR PROVIDING DATA IN ACCORDANCE WITH AN ACCESS RESTRICTION	(87) AT2021060258 24.02.2022
(73) BlackBerry Limited	(73) Helsing GmbH	(22) 23.07.2021
(72) GNAHM, Benjamin CHIN, Andrew WURSTER, Glenn Daniel	(72) Adler, Antonia Turner, Theo	(54) METHOD FOR DATA MANIPULATION DETECTION OF NUMERICAL DATA VALUES
(31) 202117520451	(73) Schneider, Manuel	(73) Legitary GmbH
(32) 05.11.2021	(72) Gendre, Maxime	(72) LOIBL, Günter
(33) United States of America	(72) Dubinska, Maja	(73) MUMIC, Nermina
(51) G06F 21/55	(51) G06F 21/62	(72) FILZMOSER, Peter
G06F 21/51	H04L 9/08	(31) 504522021
G06F 21/31	(11) EP3627371	602572020
(11) EP4168911	(21) EP19199045.6	(32) 02.06.2021
(21) EP21729744.9	(47) 19.06.2024	19.08.2020
(47) 19.06.2024	(22) 22.02.2018	(33) Austria
(87) US2021032138	(54) ENCRYPTING DATA RECORDS AND PROCESSING ENCRYPTED RECORDS WITHOUT EXPOSING PLAINTEXT	Austria
23.12.2021	(73) RingCentral, Inc.	(51) G06F 30/17
(22) 13.05.2021	(72) LAHAV, Aviad	B60T 8/88
(54) PREDICTIVE MODEL APPLICATION FOR FILE UPLOAD BLOCKING DETERMINATIONS	ROSENBLIT, Lev	G01H 13/00
(73) Microsoft Technology Licensing, LLC	(31) 201762461808 P	G06F 30/20
(72) PLISKIN, Ram Haim	(32) 22.02.2017	(11) EP3891647
WEIZMAN, Josef	(33) United States of America	(21) EP19823801.6
KARIN, Omer	(51) G06F 21/62	(47) 19.06.2024
(31) 202016907004	H04L 9/32	(87) FR2019052753
(32) 19.06.2020	H04L 9/00	11.06.2020
(33) United States of America	(11) EP3869731	(22) 19.11.2019
(51) G06F 21/56	(21) EP21155181.7	(54) PREDICTION OF SQUEAL INSTABILITY FOR A VEHICLE BRAKE
H04L 9/40	(47) 19.06.2024	(73) Stellantis Auto SAS
(11) EP4107918	(22) 04.02.2021	Ecole Centrale de Lyon
(21) EP21704578.0	(54) DATA MANAGEMENT PROGRAM, DATA MANAGEMENT APPARATUS, AND DATA MANAGEMENT METHOD	Ecole Nationale d'Ingénieurs de Saint Etienne
(47) 19.06.2024	(73) Fujitsu Limited	Ecole Nationale Travaux Publics de l'Etat
(87) EP2021053763	(72) Nakagawa, Itaru	Centre National de la Recherche Scientifique
26.08.2021	Ito, Akira	(72) NACIVET, Samuel
(22) 16.02.2021	Shimizu, Toshihiro	SINOUE, Jean-Jacques
(54) REAL-TIME MALWARE PROPAGATION FORECASTING	(31) 2020028779	DENIMAL, Enora
(73) British Telecommunications public limited company	(32) 21.02.2020	(31) 1872222
(72) KISS, Stephanie	(33) Japan	(32) 03.12.2018
WANG, Xiao-Si	(51) G06F 21/64	(33) France
(31) 20157626	G06F 21/53	(51) G06F 40/30
(32) 17.02.2020	H04N 5/77	G10L 15/22
(33) European Patent Office (EPO)	G06F 21/74	(11) EP4028932
(51) G06F 21/56	(11) EP4184368	(21) EP20757140.7
H04L 9/40	(21) EP22711139.0	(47) 19.06.2024
(11) EP4107919	(47) 19.06.2024	(87) US2020044198
(21) EP21704579.8	(87) KR2022001511	18.03.2021
(47) 19.06.2024	13.04.2023	(22) 30.07.2020
(87) EP2021053764	(22) 27.01.2022	(54) REDUCED TRAINING INTENT RECOGNITION TECHNIQUES
26.08.2021	(54) ELECTRONIC DEVICE FOR VERIFYING INTEGRITY OF IMAGE USING PLURALITY OF EXECUTION ENVIRONMENTS, AND CONTROL METHOD THEREFOR	(73) Oracle International Corporation
(22) 16.02.2021	(73) Samsung Electronics Co., Ltd.	(72) JOHNSON, Mark Edward
(54) MALWARE PROPAGATION FORECASTING	(72) HWANG, Jinha	(31) 202016942535
(73) British Telecommunications public limited company	JUNG, Moongyu	201962899654 P
(72) WANG, Xiao-Si	LEE, Wooyong	(32) 29.07.2020
WELDING, Jessica	(31) 20210132088	12.09.2019
(31) 20157627	(32) 06.10.2021	(33) United States of America
(32) 17.02.2020	(33) Korea (Republic)	United States of America
(33) European Patent Office (EPO)	(51) G06F 21/64	(51) G06K 7/00
(51) G06F 21/62	H04L 9/40	G06K 7/10
G06N 20/00	(11) EP4200737	(11) EP4116866
(11) EP4261725		(21) EP21183768.7
(21) EP22167899.8		(47) 19.06.2024
		(22) 05.07.2021

(54) SAFETY SYSTEM AND METHOD FOR OPERATING SAME	01.07.2021	(31) 202016799671
(73) EUCHNER GmbH + Co. KG	(22) 28.12.2020	(32) 24.02.2020
(72) Scheiner, Frank	(54) RFID SYSTEMS FOR USE WITH TIRES	(33) United States of America
Denk, Dimitri	(73) Avery Dennison Retail Information Services LLC	(51) G06N 3/084
(51) G06K 7/10	(72) FORSTER, Ian, J.	G06N 3/045
G06K 7/00	(31) 201962954475 P	G06V 10/44
(11) EP3872683	(32) 28.12.2019	G06V 10/82
(21) EP20211849.3	(33) United States of America	G06V 20/00
(47) 19.06.2024	(51) G06N 3/045	G06V 30/19
(22) 04.12.2020	G06N 3/08	(11) EP3686810
(54) TAG READING DEVICE	G06N 3/10	(21) EP19219762.2
(73) Toshiba TEC Kabushiki Kaisha	(11) EP3688672	(47) 19.06.2024
(72) Suzuki, Shigeaki	(21) EP18807482.7	(22) 27.12.2019
(31) 2020029099	(47) 19.06.2024	(54) METHOD AND DEVICE FOR ONLINE BATCH NORMALIZATION, ON-DEVICE LEARNING, AND CONTINUAL LEARNING APPLICABLE TO MOBILE DEVICES OR IOT DEVICES ADDITIONALLY REFERRING TO ONE OR MORE PREVIOUS BATCHES TO BE USED FOR MILITARY PURPOSE, DRONE OR ROBOT, AND TESTING METHOD AND TESTING DEVICE USING THE SAME
(32) 25.02.2020	(87) US2018058025	(73) Stradvision, Inc.
(33) Japan	02.05.2019	(72) KIM, Yongjoong
(51) G06K 19/04	(22) 29.10.2018	YEO, Donghun
H04M 1/02	(54) ATTENTION-BASED DECODER-ONLY SEQUENCE TRANSDUCTION NEURAL NETWORKS	KIM, Hak-Kyoung
H04B 1/3816	(73) Google LLC	JANG, Taewoong
G06K 19/077	(72) GOODRICH, Ben David	KIM, Insu
(11) EP3840339	SALEH, Mohammad	SUNG, Myungchul
(21) EP18937434.1	SEPASSI, Ryan	JEONG, Kyungjoong
(47) 19.06.2024	POT, Etienne	CHO, Hojin
(87) CN2018110547	SHAZEER, Noam M.	BOO, SukHoon
23.04.2020	KAISER, Lukasz Mieczyslaw	NAM, Woonhyun
(22) 16.10.2018	LIU, Peter J.	RYU, Wooju
(54) MEMORY CARD, MEMORY CARD ADAPTER, AND TERMINAL	(31) 201762578358 P	JE, Hongmo
(73) HUAWEI TECHNOLOGIES CO., LTD.	(32) 27.10.2017	KIM, Kye-Hyeon
(72) YANG, Jiangtao	(33) United States of America	(31) 201916255446
(51) G06K 19/07	(51) G06N 3/045	(32) 23.01.2019
(11) EP4075333	G06N 3/088	(33) United States of America
(21) EP21168131.7	G06N 3/09	(51) G06N 3/084
(47) 19.06.2024	G06N 3/0464	G06T 7/11
(22) 13.04.2021	G06N 3/096	G06T 7/194
(54) RFID TAG IC WITH STANDARD-ADAPTED COUNTER INCREMENT, AND RFID COMMUNICATION SYSTEM	(11) EP3948688	G06V 10/82
(73) NXP B.V.	(21) EP20714523.6	G06V 20/58
(72) Umfahrer, Heinz	(47) 19.06.2024	G06N 3/045
Weidinger, Christian	(87) EP2020058079	G06V 10/764
Schwar, Christian	01.10.2020	(11) EP3686778
Garbe, Christoph Hans Joachim	(22) 24.03.2020	(21) EP19207717.0
Pichler, Thomas	(54) TRAINING FOR ARTIFICIAL NEURAL NETWORKS WITH BETTER UTILIZATION OF LEARNING DATA RECORDS	(47) 19.06.2024
Amtmann, Franz	(73) Robert Bosch GmbH	(22) 07.11.2019
(51) G06K 19/07	(72) LOU, Zhongyu	(54) LEARNING METHOD AND LEARNING DEVICE FOR IMPROVING SEGMENTATION PERFORMANCE TO BE USED FOR DETECTING ROAD USER EVENTS USING DOUBLE EMBEDDING CONFIGURATION IN MULTI-CAMERA SYSTEM AND TESTING METHOD AND TESTING DEVICE USING THE SAME
G06K 19/077	NGUYEN, Duc Tam	(73) Stradvision, Inc.
(11) EP3807819	(31) 102019204139	(72) Je, Hongmo
(21) EP19735456.6	(32) 26.03.2019	Ryu, Wooju
(47) 19.06.2024	(33) Germany	Jang, Taewoong
(87) US2019037506	(51) G06N 3/063	Kim, Kye-Hyeon
26.12.2019	G06N 3/0464	Jeong, Kyungjoong
(22) 17.06.2019	G06N 3/045	Cho, Hojin
(54) SMALL FOOTPRINT HIGH PERFORMING PASSIVE RFID TAG	G06T 1/20	
(73) Avery Dennison Retail Information Services LLC	(11) EP3869413	
(72) DYCHE, George, Jr.	(21) EP21155904.2	
(31) 201862686241 P	(47) 19.06.2024	
(32) 18.06.2018	(22) 09.02.2021	
(33) United States of America	(54) POOLING UNIT FOR DEEP LEARNING ACCELERATION BACKGROUND	
(51) G06K 19/077	(73) STMicroelectronics S.r.l.	
(11) EP4081946	STMicroelectronics International N.V.	
(21) EP20848745.4	(72) DESOLI, Mr. Giuseppe	
(47) 19.06.2024	BOESCH, Mr. Thomas	
(87) US2020067143	SINGH, Mr. Surinder Pal	

Kim, Hak-Kyoung	(32) 26.10.2018	(87) EP2020082202
Kim, Insu	(33) United States of America	24.06.2021
Nam, Woonhyun	(51) G06N 10/20	(22) 16.11.2020
Yeo, Donghun	G06N 10/40	(54) METHOD FOR ALLOCATING SEATS IN
Kim, Yongjoong	H03K 19/195	A LAND VEHICLE
Boo, SukHoon	G06F 15/76	(73) Siemens Mobility GmbH
Sung, Myungchul	G06N 10/70	(72) WOLF, Günter
(31) 201916257993	(11) EP3593297	(31) 102019219741
(32) 25.01.2019	(21) EP18764432.3	(32) 16.12.2019
(33) United States of America	(47) 19.06.2024	(33) Germany
(51) G06N 3/09	(87) US2018020915	(51) G06Q 10/0631
(11) EP4058944	13.09.2018	G07B 15/02
(21) EP20800680.9	(22) 05.03.2018	G08G 1/00
(47) 19.06.2024	(54) MODULAR CONTROL IN A QUANTUM	G07C 5/00
(87) EP2020081434	COMPUTING SYSTEM	G06Q 10/08
20.05.2021	(73) Rigetti & Co, LLC	G06Q 30/0645
(22) 09.11.2020	(72) RIGETTI, Chad Tyler	(11) EP3574478
(54) CONSTRAINED TRAINING OF	ZENG, William J.	(21) EP18702253.8
ARTIFICIAL NEURAL NETWORKS	SCHEER, Michael Justin Gerchick	(47) 19.06.2024
USING LABELLED MEDICAL DATA OF	TEZAK, Nikolas Anton	(87) EP2018052079
MIXED QUALITY	BLOOM, Benjamin Jacob	02.08.2018
(73) Koninklijke Philips N.V.	REAGOR, Matthew J.	(22) 29.01.2018
(72) BYSTROV, Daniel	OSBORN, Christopher Butler	(54) SYSTEM AND METHODS FOR
LUNDT, Bernd	DIDIER, Nicolas	MAINTAINING A VEHICLE
VON BERG, Jens	(31) 201762469999 P	AVAILABILITY REPORT WITH
KROENKE, Sven	(32) 10.03.2017	RESPECT TO A LOCATION
YOUNG, Stewart	(33) United States of America	(73) Tracematics Limited
WIEBERNEIT, Nataly	(51) G06Q 10/00	(72) BRADY, Thomas
(31) 19209033	(11) EP3124914	(31) 201701390
(32) 14.11.2019	(21) EP15768891.2	(32) 27.01.2017
(33) European Patent Office (EPO)	(47) 19.06.2024	(33) United Kingdom
(51) G06N 3/09	(87) JP2015050025	(51) G06Q 10/08
G06F 18/2413	01.10.2015	G06Q 10/0631
G06N 3/0455	(22) 05.01.2015	(11) EP3828807
G06V 10/25	(54) ROUTE CALCULATION DEVICE,	(21) EP19211992.3
G06V 10/26	NAVIGATION DEVICE, ROUTE	(47) 19.06.2024
G06V 10/44	CALCULATION METHOD, NAVIGATION	(22) 28.11.2019
G06V 10/764	METHOD, AND COMMUNICATION	(54) METHOD AND SYSTEM FOR
G06V 10/774	SYSTEM	TRACKING AND/OR MONITORING A
G06V 20/00	(73) NEC Corporation	PROCESS
G06N 3/084	(72) ARAKAWA Tomoki	(73) Youki GmbH
G08G 1/16	(31) 2014059410	(72) Stoussavljewitsch, Martin
G06V 20/56	(32) 24.03.2014	Stoussavljewitsch, Michael
G06V 20/58	(33) Japan	(51) G06Q 10/083
(11) EP3644240	(51) G06Q 10/063	G06Q 50/40
(21) EP19204541.7	(11) EP3511881	G06Q 10/0833
(47) 19.06.2024	(21) EP18248254.7	(11) EP3548928
(22) 22.10.2019	(47) 19.06.2024	(21) EP16922920.0
(54) LEARNING METHOD, LEARNING	(22) 28.12.2018	(47) 19.06.2024
DEVICE FOR DETECTING ROI ON	(54) INFORMATION FUSION IN	(87) US2016064485
THE BASIS OF BOTTOM LINES OF	MULTI-DOMAIN OPERATIONAL	07.06.2018
OBSTACLES AND TESTING METHOD,	ENVIRONMENT	(22) 01.12.2016
TESTING DEVICE USING THE SAME	(73) Goodrich Corporation	(54) UNATTENDED PARCEL DELIVERY
(73) Stradvision, Inc.	(72) JENGO, Christopher M.	SERVICE
(72) KIM, Insu	THOMPSON, Eric E.	(73) Ford Global Technologies, LLC
RYU, Wooju	WHITCOMB, Kevin J.	(72) TOKATYAN, Shant
YEO, Donghun	WARREN, Kenneth L.	NELSON, Zachary, David
JE, Hongmo	SAQUIB, Suhail Shabbir	BOCCUCCIA, Daniel
JEONG, Kyungjoong	BRUNI, Jason R.	CHAN, Lindsay
CHO, Hojin	BAGGEROER, Paul A.	BRACE, Jennifer, L.
SUNG, Myungchul	(31) 201815863643	(51) G06Q 30/02
KIM, Kye-Hyeon	(32) 05.01.2018	G06F 9/48
KIM, Hak-Kyoung	(33) United States of America	G06F 11/34
NAM, Woonhyun	(51) G06Q 10/0631	(11) EP3314560
BOO, SukHoon	G06Q 50/40	(21) EP16738340.5
JANG, Taewoong	(11) EP4046098	(47) 19.06.2024
KIM, Yongjoong	(21) EP20816114.1	(87) US2016040084
(31) 201816171645	(47) 19.06.2024	05.01.2017

(22) 29.06.2016	(47) 19.06.2024	(32) 10.09.2019
(54) TRANSMITTING APPLICATION DATA FOR ON-DEVICE DEMOS	(22) 23.07.2014	11.09.2018
(73) Google LLC	(54) Method for redesigning one or more product or process parameters of a manufactured article	(33) India
(72) ARADHYE, Hrishikesh Balkrishna	(73) The Procter & Gamble Company	India
CAMPANA, Bilson Jake Libres	(72) Von den Steinen, Helen Louise	(51) G06T 7/00
WEI, Zile	(31) 13182727	(11) EP3852056
(31) 201562186113 P	(32) 03.09.2013	(21) EP20214054.7
(32) 29.06.2015	(33) European Patent Office (EPO)	(47) 19.06.2024
(33) United States of America	(51) G06T 3/40	(22) 15.12.2020
(51) G06Q 30/02	C12M 1/34	(54) INSPECTION SUPPORT SYSTEM FOR ERRONEOUS ATTACHMENT
H04N 21/20	G01N 21/17	(73) Subaru Corporation
G06F 16/70	G06T 5/00	(72) KIKUCHI, Marosuke
(11) EP4195133	(11) EP3677667	SATO, Yoichi
(21) EP22211213.8	(21) EP18851635.5	SAKO, Shoichiro
(47) 19.06.2024	(47) 19.06.2024	(31) 2020005929
(22) 02.12.2022	(87) JP2018029488	(32) 17.01.2020
(54) IMAGE GUIDED VIDEO THUMBNAIL GENERATION FOR E-COMMERCE APPLICATIONS	07.03.2019	(33) Japan
(73) eBay, Inc.	(22) 06.08.2018	(51) G06T 7/00
(72) SOLMAZ, Berkan	(54) IMAGE PROCESSING APPARATUS, METHOD, AND PROGRAM	G06T 7/11
(31) 202117545497	(73) FUJIFILM Corporation	(11) EP3859668
(32) 08.12.2021	(72) WAKUI Takashi	(21) EP21150699.3
(33) United States of America	(31) 2017166708	(47) 19.06.2024
(51) G06Q 30/0601	(32) 31.08.2017	(22) 08.01.2021
G06F 30/00	(33) Japan	(54) ESTIMATION PROCESSING PROGRAM, ESTIMATION PROCESSING METHOD AND INFORMATION PROCESSING APPARATUS
(11) EP3680846	(51) G06T 3/4038	(73) RIKEN
(21) EP20160086.3	G06T 7/00	FUJITSU LIMITED
(47) 19.06.2024	G01N 21/88	National Cancer Center
(22) 27.12.2012	G06T 1/00	(72) Shozu, Kanto
(54) PRODUCT CUSTOMIZATION SYSTEM AND METHOD	G01N 21/84	Komatsu, Masaaki
(73) Zazzle Holdings Inc.	(11) EP3751260	Sakai, Akira
(72) BEAVER, Robert, Irven III	(21) EP18903659.3	(31) 2020014106
OHIAERI, Charles	(47) 19.06.2024	(32) 30.01.2020
HARVILL, Young, L.	(87) JP2018041491	(33) Japan
(31) 201213342103	08.08.2019	(51) G06T 7/20
(32) 01.01.2012	(22) 08.11.2018	G06V 10/40
(33) United States of America	(54) IMAGE ACQUISITION DEVICE, IMAGE ACQUISITION METHOD, AND INSPECTION APPARATUS	H04N 23/60
(51) G06Q 40/04	(73) SCREEN Holdings Co., Ltd.	G06T 7/246
(11) EP3506189	(72) SASA, Yasushi	G06T 7/292
(21) EP18210877.9	(31) 2018018125	G06F 18/00
(47) 19.06.2024	(32) 05.02.2018	(11) EP3648448
(22) 06.12.2018	(33) Japan	(21) EP18823010.6
(54) INTEGRATION APPLICATION UTILIZING A COMMUNICATIONS PROTOCOL	(51) G06T 5/50	(47) 19.06.2024
(73) Chicago Mercantile Exchange, Inc.	G06T 5/90	(87) CN2018093291
(72) AIYIKARA KIZHAKAYIL, Mohandas	H04N 23/741	03.01.2019
CHAUDHARI, Hersh Mukesh	G06T 7/30	(22) 28.06.2018
PEYYALALMITTA, Lakshmi Sameera	(11) EP3834170	(54) TARGET FEATURE EXTRACTION METHOD AND DEVICE, AND APPLICATION SYSTEM
MCDANNEL, Graham Robert	(21) EP19860846.5	(73) Hangzhou Hikvision Digital Technology Co., Ltd.
TIMBERLAKE, Robert Jason	(47) 19.06.2024	(72) CHE, Jun
BILLINGS QUINN, Makenzie June	(87) KR2019011884	(31) 201710527437
VU, Anna-Lisa Suarez	19.03.2020	(32) 30.06.2017
(31) 201715854365	(22) 11.09.2019	(33) China
(32) 26.12.2017	(54) APPARATUS AND METHODS FOR GENERATING HIGH DYNAMIC RANGE MEDIA, BASED ON MULTI-STAGE COMPENSATION OF MOTION	(51) G06T 7/73
(33) United States of America	(73) Samsung Electronics Co., Ltd.	G06T 7/00
(51) G06Q 50/04	(72) PATEL, Mandakinee Singh	G06T 7/12
A61F 13/49	K S, Green Rosh	(11) EP3788598
G06Q 10/0639	PAWAN PRASAD, Bindigan	(21) EP19723160.8
G06Q 10/101	Hariprasanna	(47) 19.06.2024
G06Q 30/0201	BISWAS, Anmol	(87) GB2019051193
G06Q 30/0282	(31) 201841034147	07.11.2019
G05B 19/418	201841034147	(22) 30.04.2019
(11) EP2843600		
(21) EP14178116.1		

(54) AUTOMATED OOCYTE DETECTION AND ORIENTATION	(32) 07.12.2018 (33) China	BAO, Linchao ZHE, Xuefei
(73) MYMA Medical Limited	(51) G06T 15/08	LING, Yonggen
(72) HAJIYAVAND, Amir Mohammad	(11) EP3358528	LIU, Wei
SAADAT, Mozafar	(21) EP18153902.4	(31) 201910222403
(31) 201806999	(47) 19.06.2024	(32) 22.03.2019
(32) 30.04.2018	(22) 29.01.2018	(33) China
(33) United Kingdom	(54) POINT CLOUD PROXY FOR PHYSICALLY-BASED VOLUME RENDERING	(51) G06T 19/00 (11) EP3622486 (21) EP18726573.1 (47) 19.06.2024 (87) US2018028716 15.11.2018 (22) 21.04.2018
(51) G06T 7/80	(73) Siemens Healthineers AG	(54) HOLOGRAPHIC ILLUSTRATION OF WEATHER
(11) EP4071713	(72) VETTER, Christoph	(73) Microsoft Technology Licensing, LLC
(21) EP19958494.7	PETKOV, Kaloian	(72) COPIC, John
(47) 19.06.2024	Yu, Daphne	CHEVRIER, Jedd Alexander
(87) CN2019129932	(31) 201715426589	LANIGAN, Michael Casey
08.07.2021	(32) 07.02.2017	BAHM, Gregory Bishop
(22) 30.12.2019	(33) United States of America	HASTINGS, Ryan
(54) PARAMETER CALIBRATION METHOD AND APAPRATUS	(51) G06T 15/08	PAULOVICH, Jonathan Gustav
(73) Huawei Technologies Co., Ltd.	G06T 15/50	(31) 201715590845
(72) LI, Han	G06T 15/80	(32) 09.05.2017
CHEN, Yilun	(11) EP3462418	(33) United States of America
(51) G06T 9/00	(21) EP17193803.8	(51) G06V 10/42
(11) EP4244813	(47) 19.06.2024	G06V 10/75
(21) EP20853576.5	(22) 28.09.2017	G06V 40/12
(47) 19.06.2024	(54) METHOD AND APPARATUS FOR RENDERING MATERIAL PROPERTIES	G06F 18/22
(87) RU2020000686	(73) Siemens Healthineers AG	G06F 18/20
23.06.2022	(72) Qiu, Feng	G06V 10/74
(22) 14.12.2020	Yu, Daphne	G06V 10/84
(54) DEVICES AND METHODS FOR SCALABLE CODING FOR POINT CLOUD COMPRESSION	Swamydoss, Babu	(11) EP3376434
(73) Huawei Technologies Co. Ltd.	Treffer, Philipp	(21) EP18155850.3
(72) FILIPPOV, Alexey Konstantinovich	Petkov, Kaloian	(47) 19.06.2024
RUFITSKIY, Vasily Alexeevich	(51) G06T 17/00	(22) 08.02.2018
(51) G06T 11/00	G06F 30/00	(54) METHOD AND APPARATUS WITH FINGERPRINT VERIFICATION
(11) EP3918577	G06F 16/25	(73) Samsung Electronics Co., Ltd.
(21) EP20747730.8	G06F 16/28	(72) KIM, Kyuhong
(47) 19.06.2024	G06F 111/20	LEE, Hana
(87) US2020015332	(11) EP3433770	CHOI, Changkyu
06.08.2020	(21) EP16805579.6	RHEE, Seon Min
(22) 28.01.2020	(47) 19.06.2024	(31) 20170097033
(54) SYSTEMS, METHODS, AND MEDIA FOR AUTOMATICALLY TRANSFORMING A DIGITAL IMAGE INTO A SIMULATED PATHOLOGY IMAGE	(87) US2016060301	20170031889
(73) Arizona Board of Regents on behalf of Arizona State University	28.09.2017	(32) 31.07.2017
Dignity Health	(22) 03.11.2016	14.03.2017
(72) IZADYAZDANABADI, Mohammadhassan	(54) METHODS, ELECTRONIC DEVICE AND COMPUTER-READABLE MEDIUM FOR THE CONVERSION OF CAD DESCRIPTIONS	(33) Korea (Republic) Korea (Republic)
PREUL, Mark C.	(73) Bentley Systems, Incorporated	(51) G06V 10/764
YANG, Yezhou	(72) BENTLEY, Keith A.	(11) EP3686800
BELYKH, Evgenii	WILSON, Samuel W.	(21) EP20151209.2
(31) 201962797784 P	(31) 201615080858	(47) 19.06.2024
(32) 28.01.2019	(32) 25.03.2016	(22) 10.01.2020
(33) United States of America	(33) United States of America	(54) LEARNING METHOD AND LEARNING DEVICE FOR OBJECT DETECTOR BASED ON CNN USING 1XH CONVOLUTION TO BE USED FOR HARDWARE OPTIMIZATION, AND TESTING METHOD AND TESTING DEVICE USING THE SAME
(51) G06T 13/60	(51) G06T 17/00	(73) StradVision, Inc.
(11) EP3822918	G06V 10/82	(72) SUNG, Myungchul
(21) EP19892415.1	G06V 40/16	BOO, SukHoon
(47) 19.06.2024	(11) EP3944200	JEONG, Kyungjoong
(87) CN2019120729	(21) EP20779223.5	NAM, Woonhyun
11.06.2020	(47) 19.06.2024	RYU, Wooju
(22) 25.11.2019	(87) CN2020080335	
(54) WATER WAVE EFFECT RENDERING	01.10.2020	
(73) Tencent Technology (Shenzhen) Company Limited	(22) 20.03.2020	
(72) QIN, Yang	(54) FACIAL IMAGE GENERATION METHOD AND APPARATUS, DEVICE AND STORAGE MEDIUM	
(31) 201811497482	(73) Tencent Technology (Shenzhen) Company Limited	
	(72) SONG, Yibing	

YEO, Donghun	FEATURE POINT AND METHOD FOR	(73) Crane Payment Innovations Limited
KIM, Hak-Kyoung	OPERATING SAME	(72) HADLEY, Alex
KIM, Yongjoong	(73) Samsung Electronics Co., Ltd.	(31) 201221504
CHO, Hojin	(72) WON, Jonghoon	(32) 29.11.2012
KIM, Kye-Hyeon	YOO, Hyoungjin	(33) United Kingdom
JE, Hongmo	LEE, Wooyong	(51) G08B 13/00
KIM, Insu	AN, Junho	G08B 17/00
JANG, Taewoong	KANG, Hyejin	G08B 17/10
(31) 201916254976	SONG, Jaeyun	G08B 25/01
(32) 23.01.2019	PARK, Jiyeon	G08B 25/04
(33) United States of America	CHOI, Minsheok	G08B 25/14
(51) G06V 20/58	(31) 20180022259	G08B 29/14
G06V 20/56	(32) 23.02.2018	G08B 29/26
G01C 3/06	(33) Korea (Republic)	G08B 26/00
G06T 1/00	(51) G07C 9/00	(11) EP3381020
H04N 7/18	(11) EP3227869	(21) EP16795367.8
H04N 13/00	(21) EP15813656.4	(47) 19.06.2024
G06T 7/12	(47) 19.06.2024	(87) EP2016077776
G06T 7/593	(87) US2015063758	01.06.2017
G06T 7/73	09.06.2016	(22) 15.11.2016
G08G 1/16	(22) 03.12.2015	(54) METHOD FOR DETERMINING
(11) EP3557527	(54) ACCESS CONTROL SYSTEM	THRESHOLDS OF A STATE
(21) EP17883461.0	(73) Sensormatic Electronics, LLC	MONITORING UNIT FOR A FIRE
(47) 19.06.2024	(72) SEQUEIRA, Melwyn F.	DETECTION AND/OR EXTINGUISHING
(87) JP2017043937	COPELAND, Richard Loyd	CONTROL CENTER, STATE
28.06.2018	MOHIUDDIN, Mohammad	MONITORING UNIT, AND SYSTEM
(22) 07.12.2017	(31) 201414558796	COMPRISING SAME
(54) OBJECT DETECTION DEVICE	(32) 03.12.2014	(73) Minimax GmbH
(73) Hitachi Astemo, Ltd.	(33) United States of America	(72) STEFFEN, Hartwig
(72) NONAKA Shinichi	(51) G07C 9/00	(31) 102015223253
GOMEZCABALLERO Felipe	B60R 25/00	(32) 25.11.2015
TAKEMURA Masayuki	(11) EP3594910	(33) Germany
(31) 2016245529	(21) EP18182861.7	(51) G08B 17/107
(32) 19.12.2016	(47) 19.06.2024	(11) EP3958230
(33) Japan	(22) 11.07.2018	(21) EP20214365.7
(51) G06V 40/13	(54) SYSTEM AND METHOD FOR	(47) 19.06.2024
G02B 3/00	ENABLING FUNCTIONS OF AN	(22) 15.12.2020
G02B 5/00	OBJECT	(54) PHOTOELECTRIC SMOKE SENSOR
G02B 30/32	(73) Continental Automotive Technologies	TUBE
(11) EP4089576	GmbH	(73) Carrier Corporation
(21) EP21912303.1	(72) Lelong, Hermann	(72) VIDULICH, Joseph Anthony
(47) 19.06.2024	Wirth, Martin	GADONNIEX, Dennis Michael
(87) CN2021085455	Doering, Markus	(31) 202063066504 P
06.10.2022	(51) G07C 9/00	(32) 17.08.2020
(22) 02.04.2021	G07C 9/27	(33) United States of America
(54) FINGERPRINT RECOGNITION	(11) EP3382658	(51) G08B 25/00
APPARATUS AND ELECTRONIC	(21) EP18164908.8	(11) EP3956874
DEVICE	(47) 19.06.2024	(21) EP19730394.4
(73) HUI DING INTERNATIONAL PTE. LTD.	(22) 29.03.2018	(47) 19.06.2024
(72) LIN, Junxian	(54) GROUP ACCESS MANAGEMENT FOR	(87) FR2019050940
TSAI, Fei Hsin	VISITOR CONTROL	22.10.2020
WANG, Yin	(73) Otis Elevator Company	(22) 19.04.2019
ZHANG, Sichao	(72) BALDI, Emily	(54) SYSTEM FOR MANAGING A
(51) G06V 40/16	DUBOIS, Kelly Martin	PLURALITY OF ALARMED INDIVIDUAL
G06T 13/40	SIMCIK, Paul A.	SPACES
G06F 3/01	(31) 201715475618	(73) Prophitech
G06F 3/0346	(32) 31.03.2017	(72) LANDAUD, Philippe
G06T 7/246	(33) United States of America	(51) G08B 25/00
(11) EP3692504	(51) G07D 5/00	G08B 25/08
(21) EP19757176.3	G07D 7/00	G08B 25/14
(47) 19.06.2024	G07D 7/06	B60R 25/102
(87) KR2019002289	(11) EP2926322	G08B 3/10
29.08.2019	(21) EP13796144.7	G08B 13/16
(22) 25.02.2019	(47) 19.06.2024	G08B 13/19
(54) ELECTRONIC DEVICE DISPLAYING	(87) GB2013053080	G08B 21/22
AVATAR MOTION-PERFORMED	05.06.2014	G08B 29/18
AS PER MOVEMENT OF FACIAL	(22) 22.11.2013	G08G 1/00
(54) PREVENTING FRAUD	(54) PREVENTING FRAUD	(11) EP3693936

(21) EP20155488.8	(22) 30.08.2019	(33) United States of America
(47) 19.06.2024	(54) VEHICLE COMBINATION SIGNALLING SYSTEM	(51) G09C 1/00
(22) 04.02.2020	(73) MAN Truck & Bus SE	H04L 9/08
(54) PROTECTING PROPERTY	(72) Michel, Britta	(11) EP3893229
(73) Ford Global Technologies, LLC	Wölfel, Christiane	(21) EP21171879.6
(72) SMITH, Betsy, Fields	Blank, Daniel	(47) 19.06.2024
HARRIS, Sam	(31) 102018121719	(22) 03.10.2014
O'GORMAN, Edward	(32) 06.09.2018	(54) SECRET PARALLEL PROCESSING DEVICE, SECRET PARALLEL PROCESSING METHOD, AND PROGRAM
CHARALAMBOUS, Andrew	(33) Germany	(73) NIPPON TELEGRAPH AND TELEPHONE CORPORATION
MURRAY, Andy, John	(51) G08G 1/00	(72) HAMADA, Koki
SAFIR, Tarik	B62D 15/02	IKARASHI, Dai
MITCHELL, Gabriel	B60W 30/165	CHIDA, Koji
ABENTHEUER, Aaron	G05D 1/20	KIKUCHI, Ryo
MURRAY, James, Nicholas	(11) EP3472030	(31) 2013213026
(31) 201911858	(21) EP17842071.7	(32) 10.10.2013
201905976	(47) 19.06.2024	(33) Japan
201901565	(87) US2017047197	(51) G09F 27/00
(32) 19.08.2019	22.02.2018	F16M 11/12
29.04.2019	(22) 16.08.2017	F16M 11/42
05.02.2019	(54) VEHICLE WITH NON-PHYSICALLY COUPLED SECTIONS	F16M 11/10
(33) United Kingdom	(73) Kennesaw State University Research And Service Foundation, Inc.	F16M 11/38
United Kingdom	(72) YANG, Jidong, J.	(11) EP3913607
United Kingdom	WANG, Ying	(21) EP19911808.4
(51) G08B 25/14	DIONG, Billy, M.	(47) 19.06.2024
A62C 37/08	(31) 201662375998 P	(87) CN2019126315
A62C 37/14	(32) 17.08.2016	30.07.2020
G08B 17/00	(33) United States of America	(22) 18.12.2019
(11) EP3872781	(51) G08G 1/14	(54) INTERACTIVE INFORMATION TERMINAL HAVING CHANGEABLE FORM
(21) EP20159332.4	G08G 1/01	(73) Guangzhou Shiyuan Electronic Technology Company Limited
(47) 19.06.2024	G06N 3/08	Guangzhou Shirui Electronics Co., Ltd.
(22) 25.02.2020	G06V 10/10	(72) ZHOU, Kesong
(54) FIRE EXTINGUISHING SYSTEM AND METHOD FOR CONTROLLING A FIRE	G06V 10/764	PENG, Zhicheng
(73) Calanbau Brandschutzanlagen GmbH	G06V 10/82	(31) 201920141703 U
(72) FALK, Stefan	G06V 20/58	(32) 25.01.2019
THOMA, Markus	(11) EP3611711	(33) China
MÜLLER, Bodo	(21) EP19176146.9	(51) G09G 3/00
(51) G08G 1/00	(47) 19.06.2024	G09G 3/3233
B60Q 1/06	(22) 23.05.2019	(11) EP3786931
B60Q 1/08	(54) METHOD FOR CLASSIFYING DATA RELATING TO A PARKING SPACE FOR A MOTOR VEHICLE	(21) EP18889949.6
B60Q 1/14	(73) Valeo Schalter und Sensoren GmbH	(47) 19.06.2024
B60Q 1/16	(72) OMAR, Ahmed	(87) CN2018125194
B60Q 1/24	HEIMBERGER, Markus	31.10.2019
G08G 1/0967	SHALABY, Mahmoud	(22) 29.12.2018
(11) EP4091148	(31) 102018119897	(54) DISPLAY PANEL, DISPLAY DEVICE, AND TEST METHOD
(21) EP20839170.6	(32) 16.08.2018	(73) BOE TECHNOLOGY GROUP CO., LTD.
(47) 19.06.2024	(33) Germany	Chengdu BOE Optoelectronics Technology Co., Ltd.
(87) US2020064253	(51) G08G 5/00	(72) ZHOU, Da
22.07.2021	(11) EP3660815	MO, Zailong
(22) 10.12.2020	(21) EP19212261.2	LIAO, Wenjun
(54) COLLABORATIVE VEHICLE HEADLIGHT DIRECTING	(47) 19.06.2024	ZHANG, Taoran
(73) QUALCOMM INCORPORATED	(22) 28.11.2019	(31) 201810385999
(72) KUSHLEYEV, Aleksandr	(54) SYSTEM AND METHOD FOR OPTIMIZING A CRUISE VERTICAL PROFILE SUBJECT TO A TIME-OF-ARRIVAL CONSTRAINT	(32) 26.04.2018
COULIBALY, Moussa Ben	(73) The Boeing Company	(33) China
MARTIN, Paul Daniel	(72) SCHARL, Julien	(51) G09G 3/34
DAVIS, Jonathan Paul	FIGLAR, Bastian	(11) EP3633663
CERASE, Kristen Wagner	DE PRINS, Johan L.	(21) EP19204517.7
(31) 202016742261	GARRIDO-LOPEZ, David	(47) 19.06.2024
(32) 14.01.2020	YOCHUM, Thomas E.	(22) 20.08.2015
(33) United States of America	(31) 201816202431	
(51) G08G 1/00	(32) 28.11.2018	
B60Q 1/34		
B60Q 1/50		
B60Q 1/38		
(11) EP3621051		
(21) EP19194517.9		
(47) 19.06.2024		

<p>(54) TECHNIQUES FOR DUAL MODULATION WITH LIGHT CONVERSION (73) Dolby Laboratories Licensing Corporation (72) NINAN, Ajit WAN, Chun Chi (31) 201462040352 P (32) 21.08.2014 (33) United States of America</p> <hr/> <p>(51) G09G 5/02 (11) EP3699903 (21) EP19216048.9 (47) 19.06.2024 (22) 13.12.2019</p> <p>(54) SCREEN COLOR CONVERSION METHOD AND APPARATUS, AND STORAGE MEDIUM (73) Beijing Xiaomi Mobile Software Co., Ltd. (72) SU, Xiaohuang ZHAI, Dong (31) 201910094245 (32) 30.01.2019 (33) China</p> <hr/> <p>(51) G10K 11/162 G10K 11/172 F24F 13/24 (11) EP4182918 (21) EP21742428.2 (47) 19.06.2024 (87) EP2021069953 20.01.2022 (22) 16.07.2021</p> <p>(54) NOISE BARRIER AND APPARATUS COMPRISING THE NOISE BARRIER (73) Carpenter Engineered Foams Belgium BV (72) GONTIER, Mathieu GENETELLO, Mario VLEESCHOUWER, Jonas DE ROOVER, Paul (31) 20186431 (32) 17.07.2020 (33) European Patent Office (EPO)</p> <hr/> <p>(51) G10K 11/178 (11) EP3707702 (21) EP18804247.7 (47) 19.06.2024 (87) EP2018080326 16.05.2019 (22) 06.11.2018</p> <p>(54) DEVICE FOR GENERATING ACOUSTIC COMPENSATION SIGNALS (73) ASK Industries GmbH (72) KALINICHENKO, Victor (31) 102017219991 (32) 09.11.2017 (33) Germany</p> <hr/> <p>(51) G10L 15/07 G10L 21/0272 G10L 17/06 G10L 21/0208 G10L 15/20 (11) EP3806089 (21) EP19806534.4 (47) 19.06.2024 (87) CN2019082978 28.11.2019 (22) 17.04.2019</p>	<p>(54) MIXED SPEECH RECOGNITION METHOD AND APPARATUS, AND COMPUTER READABLE STORAGE MEDIUM (73) Tencent Technology (Shenzhen) Company Limited (72) YU, Dong WANG, Jun SU, Dan CHEN, Jie (31) 201810507294 (32) 24.05.2018 (33) China</p> <hr/> <p>(51) G10L 15/08 G06N 3/04 G06N 7/00 G10L 15/16 G10L 15/14 G10L 15/02 (11) EP3770905 (21) EP19770634.4 (47) 19.06.2024 (87) CN2019076223 26.09.2019 (22) 27.02.2019</p> <p>(54) SPEECH RECOGNITION METHOD, APPARATUS AND DEVICE, AND STORAGE MEDIUM (73) Tencent Technology (Shenzhen) Company Limited (72) LIN, Shilun LU, Li LIU, Bo LI, Xinhui ZHANG, Xilin JIANG, Xiucai MA, Wenhua (31) 201810240076 (32) 22.03.2018 (33) China</p> <hr/> <p>(51) G10L 15/26 H04M 3/51 G09B 5/06 G09B 7/02 (11) EP3861542 (21) EP19868755.0 (47) 19.06.2024 (87) US2019053991 09.04.2020 (22) 01.10.2019</p> <p>(54) INTELLIGENT SYSTEMS BASED TRAINING OF CUSTOMER SERVICE AGENTS (73) TTEC Services Corporation (72) TRUONG, Henry EXETER, Gershwin Alison Lamont ERVEN, Louise, Juanita (31) 201862741016 P (32) 04.10.2018 (33) United States of America</p> <hr/> <p>(51) G10L 19/008 (11) EP4123643 (21) EP22170424.0 (47) 19.06.2024 (22) 02.03.2016</p> <p>(54) ENHANCEMENT OF SPATIAL AUDIO SIGNALS BY MODULATED DECORRELATION</p>	<p>(73) Dolby Laboratories Licensing Corporation (72) MCGRATH, David S. (31) 201662298905 P 201562127613 P (32) 23.02.2016 03.03.2015 (33) United States of America United States of America</p> <hr/> <p>(51) G10L 19/008 (11) EP3469589 (21) EP16734628.7 (47) 19.06.2024 (87) EP2016065363 04.01.2018 (22) 30.06.2016</p> <p>(54) APPARATUSES AND METHODS FOR ENCODING AND DECODING A MULTICHANNEL AUDIO SIGNAL (73) Huawei Technologies Duesseldorf GmbH (72) KONIECZNY, Jacek SETIAWAN, Panji</p> <hr/> <p>(51) G10L 19/022 G10L 19/025 (11) EP4191582 (21) EP23150316.0 (47) 19.06.2024 (22) 24.07.2015</p> <p>(54) PROCESSOR AND METHOD FOR PROCESSING AN AUDIO SIGNAL USING TRUNCATED ANALYSIS OR SYNTHESIS WINDOW OVERLAP PORTIONS (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) NEUSINGER, Matthias NIEDERMEIER, Andreas FUCHS, Guillaume SCHNELL, Markus MULTRUS, Markus (31) 14178774 (32) 28.07.2014 (33) European Patent Office (EPO)</p> <hr/> <p>(51) G10L 19/028 G10L 19/02 G10L 19/032 (11) EP4235660 (21) EP23178772.2 (47) 19.06.2024 (22) 25.06.2009</p> <p>(54) AUDIO DECODER (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) Rettelbach, Nikolaus Herre, Jürgen Multrus, Markus Geyersberger, Stefan Grill, Bernhard Wabnik, Stefan Popp, Harald Fuchs, Guillaume Hirschfeld, Jens Schuller, Gerald (31) 103820 P 79872 P (32) 08.10.2008 11.07.2008 (33) United States of America United States of America</p>
--	--	---

(51) G10L 19/26 G10L 19/02 G10L 19/107 G10L 19/20	(22) 20.11.2020 (54) RECORDING CONTROL DEVICE, RECORDING CONTROL METHOD, AND RECORDING CONTROL PROGRAM	(32) 26.08.2020 (33) China
(11) EP3971893 (21) EP21201950.9 (47) 19.06.2024 (22) 23.06.2011 (54) AUDIO DECODING WITH SELECTIVE POST FILTER	(73) JVC Kenwood Corporation (72) NAKAMURA, Kodai KASUYA, Junichi SATO, Takayuki	(51) G11C 17/16 G11C 17/18 (11) EP3926634 (21) EP20869974.4 (47) 19.06.2024 (87) CN2020076311 01.04.2021 (22) 22.02.2020 (54) ANTI-FUSE STORAGE UNIT CIRCUIT AND ARRAY CIRCUIT, AND READ/ WRITE METHOD THEREOF
(73) Dolby International AB (72) VILLEMoes, Lars RESCH, Barbara KJOERLING, Kristofer	(31) 2020000383 (32) 06.01.2020 (33) Japan	(73) Changxin Memory Technologies, Inc. (72) LI, Xin (31) 201910931356 (32) 29.09.2019 (33) China
(31) 36123710 P (32) 02.07.2010 (33) United States of America	(51) G11C 5/02 H01L 23/485 H01L 23/49 H01L 25/065 G11C 5/06	(51) G11C 29/32 G11C 29/12 G11C 29/48 (11) EP4216222 (21) EP22211620.4 (47) 19.06.2024 (22) 06.12.2022 (54) METHODS AND DEVICES FOR FLEXIBLE RAM LOADING FOR TEST OPERATION
(51) G10L 21/0208 G06N 3/045 G06N 3/08 G10L 21/0216	(11) EP3923325 (21) EP20892133.8 (47) 19.06.2024 (87) CN2020107430 03.06.2021 (22) 06.08.2020 (54) CHIP COMBINATION AND CHIP	(73) Changxin Memory Technologies, Inc. (72) TIAN, Kai LI, Hongwen (31) 201911176109 (32) 26.11.2019 (33) China
(11) EP3994690 (21) EP19745121.4 (47) 19.06.2024 (87) EP2019069924 28.01.2021 (22) 24.07.2019 (54) AUDIO PROCESSING APPARATUS AND METHOD FOR DENOISING A MULTI-CHANNEL AUDIO SIGNAL	(73) Huawei Technologies Co., Ltd. (72) KEREN, Gil LIU, Shuo TAGHIZADEH, Mohammad SCHULLER, Bjoern	(54) METHODS AND DEVICES FOR FLEXIBLE RAM LOADING FOR TEST OPERATION (73) STMicroelectronics S.r.l. (72) SOLCIA, Gabriele (31) 202217580458 (32) 20.01.2022 (33) United States of America
(73) Huawei Technologies Co., Ltd. (72) KEREN, Gil LIU, Shuo TAGHIZADEH, Mohammad SCHULLER, Bjoern	(51) G11C 11/401 H01L 25/18 H01L 21/50 G11C 16/04 H01L 23/00 H01L 23/31	(51) G16B 45/00 G16B 50/00 G09B 19/00 G01N 33/50 C12Q 1/68 G06Q 10/10 (11) EP3341927 (21) EP16852780.2 (47) 19.06.2024 (87) US2016054994 06.04.2017 (22) 30.09.2016 (54) COMMAND CENTER (73) IntegenX Inc. (72) BARICAN, Arnaldo KING, David PARK, Chungsoo Charles SCHUEREN, Robert A.
(51) G10L 21/0208 G10L 25/30 G10L 21/0232	(11) EP3891799 (21) EP19927324.4 (47) 19.06.2024 (87) CN2019085237 05.11.2020 (22) 30.04.2019 (54) THREE-DIMENSIONAL MEMORY DEVICE WITH EMBEDDED DYNAMIC RANDOM-ACCESS MEMORY	(11) EP3341927 (21) EP16852780.2 (47) 19.06.2024 (87) US2016054994 06.04.2017 (22) 30.09.2016 (54) COMMAND CENTER (73) IntegenX Inc. (72) BARICAN, Arnaldo KING, David PARK, Chungsoo Charles SCHUEREN, Robert A.
(11) EP3797415 (21) EP18752715.5 (47) 19.06.2024 (87) EP2018071070 06.02.2020 (22) 02.08.2018 (54) SOUND PROCESSING APPARATUS AND METHOD FOR SOUND ENHANCEMENT	(73) Yangtze Memory Technologies Co., Ltd. (72) LIU, Jun	(31) 201562264314 P 201562235127 P (32) 07.12.2015 30.09.2015 (33) United States of America United States of America
(73) HUAWEI TECHNOLOGIES CO., LTD. (72) GROSCHE, Peter KEREN, Gil SETIAWAN, Panji SCHULLER, Bjoern JIN, Wenyu HAN, Jing	(51) G11C 11/4093 G11C 29/48 H10B 12/00 H01L 23/00 G11C 5/02 G11C 5/06 G11C 7/10 G11C 7/22 G11C 8/18 H01L 21/66	(31) 201562264314 P 201562235127 P (32) 07.12.2015 30.09.2015 (33) United States of America United States of America
(51) G11B 27/031 G11B 27/10 G07C 5/08 G11B 20/10 H04N 5/76 H04N 5/77 H04N 5/93 H04N 7/18 H04N 9/82	(11) EP4027345 (21) EP21859816.7 (47) 19.06.2024 (87) CN2021101365 03.03.2022 (22) 21.06.2021 (54) TRANSMISSION CIRCUIT, INTERFACE CIRCUIT AND MEMORY	(51) G16H 15/00 G16H 50/50 (11) EP4035168 (21) EP20789364.5 (47) 19.06.2024 (87) US2020052569 01.04.2021 (22) 24.09.2020 (54) PREDICTIVE PERSONALIZED THREE- DIMENSIONAL BODY MODELS (73) Amazon Technologies Inc.
(11) EP4089676 (21) EP20911385.1 (47) 19.06.2024 (87) JP2020043369 15.07.2021	(73) Changxin Memory Technologies, Inc. (72) LIN, Feng (31) 202010873287	(51) G16H 15/00 G16H 50/50 (11) EP4035168 (21) EP20789364.5 (47) 19.06.2024 (87) US2020052569 01.04.2021 (22) 24.09.2020 (54) PREDICTIVE PERSONALIZED THREE- DIMENSIONAL BODY MODELS (73) Amazon Technologies Inc.

(72) DROVER, Dylan John SMITH, Brandon Michael RAMU, Prakash CHAUDHRI, Apoorv HADAP, Sunil Sharadchandra AGRAWAL, Amit Kumar VIJAYA KUMAR, Rohith Mysore LI, JinJin GAUTAM, Rajesh CHARI, Vishes Uday Kumar SEVER, Ram	A61B 5/021 A61B 5/024 A61B 5/145 (11) EP3767636 (21) EP20187516.8 (47) 19.06.2024 (22) 19.11.2013 (54) USER INTERFACE FOR PATIENT RISK ANALYSIS SYSTEM	(73) Tokamak Energy Ltd (72) INGLESIAS, Daniel SLADE, Robert (31) 201917904 (32) 06.12.2019 (33) United Kingdom <hr/> (51) G21C 13/024 G21C 19/20 (11) EP3970164 (21) EP20754410.7 (47) 19.06.2024 (87) US2020032998 19.11.2020 (22) 14.05.2020 (54) NUCLEAR REACTOR CORE SHROUD SECURING DEVICE (73) Framatome Inc. (72) PECKHAM, David John MARKHAM, Kenneth Wade (31) 201916414233 (32) 16.05.2019 (33) United States of America <hr/> (51) G21G 1/00 A61J 1/05 A61J 1/14 B04C 3/06 (11) EP4205145 (21) EP21773230.4 (47) 19.06.2024 (87) US2021047564 03.03.2022 (22) 25.08.2021 (54) CONTAINER CLOSURE INCLUDING VORTEX-GENERATING FEATURE (73) Curium US LLC (72) SHAHANOV, Valery RADFORD, Lauren MICKA, Alex (31) 202063072641 P (32) 31.08.2020 (33) United States of America <hr/> (51) G21K 1/10 (11) EP3614398 (21) EP19192043.8 (47) 19.06.2024 (22) 09.07.2015 (54) X-RAY SHIELD GRATING, METHOD FOR MANUFACTURING THE SAME, AND TALBOT INTERFEROMETER (73) CANON KABUSHIKI KAISHA (72) OKA, Arisa TESHIMA, Takayuki (31) 2015110210 2014151202 (32) 29.05.2015 24.07.2014 (33) Japan Japan <hr/> (51) H01B 12/06 (11) EP3961659 (21) EP19957183.7 (47) 19.06.2024 (87) RU2019001021 01.07.2021 (22) 26.12.2019 (54) METHOD FOR MANUFACTURING A SUPERCONDUCTING COMPOSITE WIRE BASED ON NB3SN
(31) 201916584360 (32) 26.09.2019 (33) United States of America <hr/> (51) G16H 20/30 H04N 21/439 (11) EP3460802 (21) EP18195964.4 (47) 19.06.2024 (22) 21.09.2018 (54) SEQUENTIAL ACTIVITY INTELLIGENT PERSONAL ASSISTANT	(31) Etiometry Inc. (72) BARONOV, Dimitar V. BUTLER, Evan J. LOCK, Jesse M. (31) 201313826441 201361774274 P 201261727820 P (32) 14.03.2013 07.03.2013 19.11.2012 (33) United States of America United States of America United States of America <hr/> (51) G16H 50/50 A61B 5/11 (11) EP3474290 (21) EP18200343.4 (47) 19.06.2024 (22) 15.10.2018 (54) SYSTEMS AND METHODS FOR OPTIMIZING A JOINT COST FUNCTION AND DETECTING NEURO MUSCULAR PROFILES THEREOF	(73) Harman International Industries, Incorporated (72) KIRSCH, James M. BARJATIA, Meenakshi (31) 201816044225 201715712659 (32) 24.07.2018 22.09.2017 (33) United States of America United States of America <hr/> (51) G16H 20/40 G16H 40/67 G06Q 10/00 A61M 5/00 A61M 16/06 G06Q 50/20 A61M 16/00 (11) EP3175420 (21) EP15827493.6 (47) 19.06.2024 (87) US2015043226 04.02.2016 (22) 31.07.2015 (54) PATIENT MANAGEMENT SYSTEM (73) ResMed Inc. (72) KAZIMER, Cheryl COLEFAX, Michael Wacław BELBIN, Ryan Eric HOFER, Timothy S. KENNEDY, Colin Bradley SODHI, Rajwant LEVINGS, Robert Andrew NATHWANI, Rehana LYNCH, Susan Robyn CONNELL, Jason BUCKLEY, Mark David
(31) 201462072107 P 201462031975 P (32) 29.10.2014 01.08.2014 (33) United States of America United States of America <hr/> (51) G16H 40/63 G16H 50/30 A61B 5/00 A61B 5/0205	(73) Tata Consultancy Services Limited (72) PARAKKAL UNNI, Midhun SINHA, Aniruddha DAS, Abhijit CHAKRAVARTY, Kingshuk CHATTERJEE, Debatri (31) 201721037061 (32) 18.10.2017 (33) India <hr/> (51) G21B 1/05 (11) EP4049292 (21) EP20828721.9 (47) 19.06.2024 (87) US2020062784 01.07.2021 (22) 02.12.2020 (54) PLASMA CREATION AND HEATING VIA MAGNETIC RECONNECTION IN AN ENCAPSULATED LINEAR RING CUSP (73) Lockheed Martin Corporation (72) MCGUIRE, Thomas, John (31) 201916725535 (32) 23.12.2019 (33) United States of America <hr/> (51) G21B 1/13 F27B 5/06 F27D 1/16 F27D 9/00 (11) EP4070337 (21) EP20823748.7 (47) 19.06.2024 (87) EP2020084737 10.06.2021 (22) 04.12.2020 (54) TRANSPIRATIONAL FIRST WALL COOLING	(31) 201816044225 201715712659 (32) 24.07.2018 22.09.2017 (33) United States of America United States of America <hr/> (51) G16H 20/40 G16H 40/67 G06Q 10/00 A61M 5/00 A61M 16/06 G06Q 50/20 A61M 16/00 (11) EP3175420 (21) EP15827493.6 (47) 19.06.2024 (87) US2015043226 04.02.2016 (22) 31.07.2015 (54) PATIENT MANAGEMENT SYSTEM (73) ResMed Inc. (72) KAZIMER, Cheryl COLEFAX, Michael Wacław BELBIN, Ryan Eric HOFER, Timothy S. KENNEDY, Colin Bradley SODHI, Rajwant LEVINGS, Robert Andrew NATHWANI, Rehana LYNCH, Susan Robyn CONNELL, Jason BUCKLEY, Mark David

(73) Joint-Stock Company "TVEL"	(33) China	(33) Hungary
(72) ALEKSEEV, Maxim Viktorovich	(51) H01F 27/28	(51) H01G 11/32
ZERNOV, Sergei Mihailovich	H01F 27/30	H01G 11/48
PANTSYRNY, Viktor Ivanovich	H05K 1/16	(11) EP2837009
TSAPLEVA, Anastasiia Sergeevna	(11) EP4071774	(21) EP13711273.6
ABDYUKHANOV, Ildar Mansurovich	(21) EP22166864.3	(47) 19.06.2024
MAREEV, Konstantin Alekseevich	(47) 19.06.2024	(87) US2013030738
SILAEV, Alexandr Gennadevich	(22) 06.04.2022	17.10.2013
LUKYANOV, Pavel Alexandrovich	(54) INTEGRATED MAGNETIC	(22) 13.03.2013
KRYLOVA, Mariia Vladimirovna	COMPONENT, TRANSFORMER, AND	(54) DEVICES AND METHODS INCLUDING
(51) H01F 17/04	POWER SYSTEM	POLYACETYLENES
H01F 27/28	(73) Huawei Digital Power Technologies Co.,	(73) Polyjoule, Inc.
H01F 3/10	Ltd.	(72) ZHU, Zhengguo
H01F 1/26	(72) YU, Peng	SWAGER, Timothy M.
H01F 1/37	LIU, Yue	HUNTER, Ian W.
(11) EP4012732	(31) 202110377397	(31) 201261623887 P
(21) EP20852096.5	(32) 08.04.2021	(32) 13.04.2012
(47) 19.06.2024	(33) China	(33) United States of America
(87) JP2020024102	(51) H01F 27/32	(51) H01H 1/00
18.02.2021	H01F 5/06	(11) EP4138103
(22) 19.06.2020	H01F 27/28	(21) EP22306226.6
(54) INDUCTOR	H01F 41/12	(47) 19.06.2024
(73) Nitto Denko Corporation	(11) EP3859760	(22) 16.08.2022
(72) FURUKAWA, Yoshihiro	(21) EP20154715.5	(54) CONTACTOR AND OPERATION
OKUMURA, Keisuke	(47) 19.06.2024	METHOD THEREOF
(31) 2019147271	(22) 30.01.2020	(73) Schneider Electric Industries SAS
(32) 09.08.2019	(54) METHOD AND CONDUCTOR	(72) LI, Lingjie
(33) Japan	STRUCTURE FOR MANUFACTURING	GU, Jian
(51) H01F 27/22	AN ELECTRIC WINDING OF AN	SHUANG, Bing
H01F 27/26	ELECTROMAGNETIC INDUCTION	LING, Qing
(11) EP4141896	APPARATUS	(31) 202110939135
(21) EP22192069.7	(73) Hitachi Energy Ltd	(32) 16.08.2021
(47) 19.06.2024	(72) Zannol, Roberto	(33) China
(22) 25.08.2022	Bustreo, Gianluca	(51) H01H 13/14
(54) MAGNETIC POWER COMPONENT	Pavanello, Paolo	H01H 13/28
AND POWER MODULE TO WHICH	Carmignoto, Massimo	H01H 13/02
MAGNETIC POWER COMPONENT IS	(51) H01F 27/34	G08B 3/10
APPLIED	H01F 27/40	G08B 25/12
(73) Huawei Technologies Co., Ltd.	H02H 9/04	G08B 5/36
(72) GAO, Chao	(11) EP3933862	H01H 13/04
YAO, Jun	(21) EP20183432.2	(11) EP3387662
LI, Zhitao	(47) 19.06.2024	(21) EP17834934.6
GAO, Qiang	(22) 01.07.2020	(47) 19.06.2024
LI, Jia	(54) TRANSFORMER ARRANGEMENT	(87) US2017040652
ZHANG, Xijun	AND METHOD FOR ELECTRICALLY	01.02.2018
(31) 202110989889	CONNECTING AND DISCONNECTING	(22) 05.07.2017
(32) 26.08.2021	A TRANSFORMER	(54) MULTI CONFIGURABLE ALARM
(33) China	(73) Hitachi Energy Ltd	STATION INCORPORATING A PUSH
(51) H01F 27/24	(72) KLYS, Pawel	BUTTON ASSEMBLY AND ASSEMBLY
H01F 27/28	CIESIELSKI, Marcel	KIT THEREFOR
H01F 27/30	DASZKIEWICZ, Robert	(73) Safety Technology International, Inc.
H01F 3/10	(51) H01F 41/00	(72) OCKERT, John
H01F 27/38	H01F 27/02	HODGES, Brian
(11) EP4036941	H01F 30/16	(31) 201615222675
(21) EP20876009.0	H01F 27/32	(32) 28.07.2016
(47) 19.06.2024	(11) EP3928335	(33) United States of America
(87) CN2020093655	(21) EP20731186.1	(51) H01H 33/59
22.04.2021	(47) 19.06.2024	H01H 51/06
(22) 01.06.2020	(87) HU2020050004	(11) EP3846193
(54) PLANAR TRANSFORMER AND ACTIVE	30.07.2020	(21) EP19855322.4
CIRCUIT	(22) 24.01.2020	(47) 19.06.2024
(73) Huawei Digital Power Technologies Co.,	(54) METHOD FOR INSULATION OF COIL	(87) KR2019010275
Ltd.	OF TOROID TRANSFORMERS	05.03.2020
(72) WANG, Ning	(73) Wigner Fizikai Kutatóközpont	(22) 13.08.2019
CHENG, Jiebin	(72) ANDA, Gábor	(54) DIRECT CURRENT RELAY
TAN, Wei	(31) 1900028	(73) LS Electric Co., Ltd.
(31) 201910974525	(32) 25.01.2019	(72) YOO, Jungwoo
(32) 14.10.2019		(31) 20180103719

(32) 31.08.2018	(73) SCHNEIDER ELECTRIC INDUSTRIES	(33) European Patent Office (EPO)
(33) Korea (Republic)	SAS	(51) H01J 37/153
(51) H01H 33/666	(72) PUPIN, Thomas	(11) EP4231327
H02K 26/00	TIAN, Simon	(21) EP23155548.3
(11) EP3671795	(31) 2113663	(47) 19.06.2024
(21) EP18214818.9	(32) 16.12.2021	(22) 08.02.2023
(47) 19.06.2024	(33) France	(54) ABERRATION CORRECTING DEVICE
(22) 20.12.2018	(51) H01H 71/04	AND ELECTRON MICROSCOPE
(54) ACTUATOR FOR A MEDIUM VOLTAGE	H01H 71/58	(73) JEOL Ltd.
CIRCUIT BREAKER	(11) EP3994713	(72) SAWADA, Hidetaka
(73) ABB Schweiz AG	(21) EP20745093.3	MORISHITA, Shigeyuki
(72) Mechler, Günther	(47) 19.06.2024	(31) 2022025844
Stahl, Thomas	(87) EP2020025315	(32) 22.02.2022
Schindler, Thorsten	07.01.2021	(33) Japan
Breisch, Sebastian	(22) 02.07.2020	(51) H01J 37/22
Nitsch, Claus	(54) SOLID STATE CIRCUIT BREAKER	H01J 37/26
Buchh, Maria	BUTTON INTERLOCKING SYSTEM	G01N 23/2251
Morelli, Emanuele	(73) Eaton Intelligent Power Limited	H01J 37/28
Reutner, Holger	(72) GOTTSCHALK, Andrew L.	(11) EP3931853
Tüysüz, Arda	SLEPIAN, Robert Michael	(21) EP20854644.0
(51) H01H 33/90	(31) 201962870084 P	(47) 19.06.2024
H01H 33/02	(32) 03.07.2019	(87) US2020045937
(11) EP4088298	(33) United States of America	25.02.2021
(21) EP21708139.7	(51) H01H 73/22	(22) 12.08.2020
(47) 19.06.2024	H01H 83/02	(54) AUTOMATED APPLICATION OF DRIFT
(87) EP2021053300	H02H 9/02	CORRECTION TO SAMPLE STUDIED
16.09.2021	(11) EP4062439	UNDER ELECTRON MICROSCOPE
(22) 11.02.2021	(21) EP20889010.3	(73) Protochips, Inc.
(54) ELECTRICAL SWITCHING	(47) 19.06.2024	(72) DAMIANO, JR. John
ARRANGEMENT	(87) US2020060381	GARDINER, Daniel Stephen
(73) Siemens Energy Global GmbH & Co. KG	27.05.2021	NACKASHI, David P.
(72) MONKA, Roland	(22) 13.11.2020	WALDEN, II Franklin Stampley
(31) 102020203029	(54) CIRCUIT PROTECTION DEVICE WITH	UEBEL, Mark
(32) 10.03.2020	PTC DEVICE AND BACKUP FUSE	JACOBS, Benjamin
(33) Germany	(73) Littelfuse, Inc.	FRANKS, Alan Philip
(51) H01H 71/00	(72) PINEDA, Martin	(31) 201962888309 P
H01H 71/02	MATUS, Yuriy, Borisovich	(32) 16.08.2019
H01H 83/10	FUENTES, Sergio	(33) United States of America
H01H 71/12	(31) 201962938762 P	(51) H01J 37/244
(11) EP3751590	(32) 21.11.2019	H01J 37/28
(21) EP18904989.3	(33) United States of America	(11) EP3050072
(47) 19.06.2024	(51) H01H 85/00	(21) EP14781263.0
(87) KR2018015692	H01H 85/20	(47) 19.06.2024
15.08.2019	H02G 15/115	(87) GB2014052907
(22) 11.12.2018	(11) EP4174900	02.04.2015
(54) ELECTRONIC TRIP DEVICE FOR	(21) EP22197361.3	(22) 25.09.2014
MOLDED CASE CIRCUIT BREAKER	(47) 19.06.2024	(54) X-RAY ANALYSIS IN AIR
(73) LS Electric Co., Ltd.	(22) 23.09.2022	(73) Oxford Instruments Nanotechnology
(72) CHO, Seongyeol	(54) SEALED INLINE FUSE MODULE	Tools Limited
(31) 20180014807	(73) Suzhou Littelfuse OVS Co., Ltd.	(72) STATHAM, Peter
(32) 06.02.2018	(72) Liu, Renan	(31) 201317026
(33) Korea (Republic)	Pan, Shangchun	(32) 25.09.2013
(51) H01H 71/04	Jin, Dan	(33) United Kingdom
H01H 71/08	(31) 202111235102	(51) H01J 37/244
H01H 73/20	(32) 22.10.2021	H01J 37/28
G01R 31/66	(33) China	H01J 37/295
H01H 11/00	(51) H01J 37/04	H01J 37/256
G01R 19/155	H01J 37/28	G01N 23/2055
G01R 27/20	(11) EP3340273	G01N 23/20058
(11) EP4199025	(21) EP17199294.4	G01N 23/203
(21) EP22213937.0	(47) 19.06.2024	G01N 23/2251
(47) 19.06.2024	(22) 31.10.2017	(11) EP3770945
(22) 15.12.2022	(54) TIME-RESOLVED CHARGED	(21) EP19188579.7
(54) DEVICE FOR MEASURING A	PARTICLE MICROSCOPY	(47) 19.06.2024
TEMPERATURE AND AN ELECTRICAL	(73) FEI Company	(22) 26.07.2019
VOLTAGE BETWEEN TWO	(72) Kieft, Erik René	(54) KIKUCHI DIFFRACTION DETECTOR
ELECTRICAL TERMINALS OF AN	(31) 16200898	(73) Bruker Nano GmbH
ELECTRICAL PROTECTION DEVICE	(32) 28.11.2016	

(72) GORAN, Daniel Radu	PREPARATION METHOD,	(11) EP3913660
(51) H01J 37/30	SEMICONDUCTOR DEVICE, AND	(21) EP21174712.6
C23C 14/24	ELECTRONIC DEVICE	(47) 19.06.2024
C23C 14/30	(73) Huawei Technologies Co., Ltd.	(22) 19.05.2021
H01J 37/20	(72) WAN, Yuxi	(54) METHOD OF CUTTING
H01J 37/305	GAO, Bo	SEMICONDUCTOR ELEMENT AND
(11) EP4078648	HUANG, Boning	SEMICONDUCTOR ELEMENT
(21) EP20841913.5	(31) 202110765400	(73) Nichia Corporation
(47) 19.06.2024	(32) 06.07.2021	(72) SUMITOMO, Yoshitaka
(87) EP2020087199	(33) China	YAMAGUCHI, Kazuki
24.06.2021	(51) H01L 21/311	(31) 2021075885
(22) 18.12.2020	H01J 37/32	2020090108
(54) OPTIMIZED CRUCIBLE ASSEMBLY	(11) EP3905307	(32) 28.04.2021
AND METHOD FOR PHYSICAL VAPOR	(21) EP21169517.6	22.05.2020
DEPOSITION	(47) 19.06.2024	(33) Japan
(73) Essilor International	(22) 20.04.2021	Japan
(72) PAGNON, Philippe	(54) SUBSTRATE PROCESSING METHOD	(51) H01L 23/00
(31) 19306730	AND PLASMA PROCESSING	G06K 19/073
(32) 20.12.2019	APPARATUS	G06F 21/75
(33) European Patent Office (EPO)	(73) Tokyo Electron Limited	H03K 3/356
(51) H01J 37/32	(72) TOMURA, Maju	H03K 19/003
H01L 21/683	SUDA, Ryutarō	(11) EP3373330
(11) EP3711081	(31) 2021046015	(21) EP17187590.9
(21) EP18877737.9	202017092376	(47) 19.06.2024
(47) 19.06.2024	202063017998 P	(22) 23.08.2017
(87) US2018061653	(32) 19.03.2021	(54) ELECTRONIC CHIP ARCHITECTURE
23.05.2019	09.11.2020	(73) STMICROELECTRONICS (ROUSSET)
(22) 16.11.2018	30.04.2020	SAS
(54) SPATIAL AND TEMPORAL CONTROL	(33) Japan	(72) SARAFIANOS, Alexandre
OF ION BIAS VOLTAGE FOR PLASMA	United States of America	ORDAS, Thomas
PROCESSING	United States of America	(31) 1751788
(73) AES Global Holdings, Pte. Ltd.	(51) H01L 21/322	(32) 06.03.2017
(72) FAIRBAIRN, Kevin	H01L 21/205	(33) France
SHAW, Denis	(11) EP4231335	(51) H01L 23/373
CARTER, Daniel	(21) EP22156958.5	H01L 23/367
(31) 201762588224 P	(47) 19.06.2024	(11) EP4059049
(32) 17.11.2017	(22) 16.02.2022	(21) EP20797059.1
(33) United States of America	(54) A HETEROEPITAXIAL WAFER FOR	(47) 19.06.2024
(51) H01J 49/04	THE DEPOSITION OF GALLIUM	(87) EP2020079346
H01J 49/10	NITRIDE	24.06.2021
H01J 49/12	(73) Siltronic AG	(22) 19.10.2020
H01J 49/16	(72) Murphy, Brian	(54) METAL-CERAMIC SUBSTRATE AND
(11) EP4070360	Thapa, Sarad Bahadur	METHOD FOR PRODUCING A METAL-
(21) EP20811358.9	(51) H01L 21/67	CERAMIC SUBSTRATE OF THIS TYPE
(47) 19.06.2024	C23C 16/34	(73) Rogers Germany GmbH
(87) EP2020083559	C23C 16/44	(72) MATHIEU, Olivier
10.06.2021	(11) EP3854492	POLSTER, Sebastian
(22) 26.11.2020	(21) EP19884724.6	GIL, Vitalij
(54) A SYSTEM AND METHOD FOR	(47) 19.06.2024	(31) 102019135146
DETECTING ANALYTES DISSOLVED	(87) JP2019041870	(32) 19.12.2019
IN LIQUIDS BY PLASMA IONISATION	22.05.2020	(33) Germany
MASS SPECTROMETRY	(22) 25.10.2019	(51) H01L 23/48
(73) Microsaic Systems PLC	(54) APPARATUS FOR CLEANING	H01L 21/60
(72) WRIGHT, Steven	COMPONENT OF SEMICONDUCTOR	H01L 23/492
CRICHTON, Edward	PRODUCTION APPARATUS, METHOD	H01L 25/07
YEATMAN, Eric	FOR CLEANING COMPONENT OF	H01L 25/16
(31) 201917885	SEMICONDUCTOR PRODUCTION	H01L 23/373
(32) 06.12.2019	APPARATUS, AND SYSTEM FOR	(11) EP3847694
(33) United Kingdom	CLEANING COMPONENT OF	(21) EP19774162.2
(51) H01L 21/18	SEMICONDUCTOR PRODUCTION	(47) 19.06.2024
H01L 21/02	APPARATUS	(87) FR2019052014
H01L 21/762	(73) Taiyo Nippon Sanso Corporation	12.03.2020
(11) EP4117021	(72) ARIMURA Tadanobu	(22) 02.09.2019
(21) EP22183215.7	YAMAGUCHI Akira	(54) ELECTRONIC POWER MODULE
(47) 19.06.2024	(31) 2018215791	(73) Commissariat à l'énergie atomique et aux
(22) 06.07.2022	(32) 16.11.2018	énergies alternatives
(54) COMPOSITE SUBSTRATE,	(33) Japan	Centre National de la Recherche
COMPOSITE SUBSTRATE	(51) H01L 21/78	Scientifique

(72) CREBIER, Jean-Christophe VLADIMIROVA, Kremena WIDIEZ, Julie	H01L 25/00 H01L 23/538 H01L 23/52	(47) 19.06.2024 (87) EP2019067299 02.01.2020
(31) 1857934	H01L 23/498	(22) 28.06.2019
(32) 04.09.2018	H01L 23/522	(54) LIGHT EMITTING DEVICE, ASSOCIATED DISPLAY SCREEN AND METHOD FOR FABRICATING A LIGHT EMITTING DEVICE
(33) France	(11) EP3511980	(73) Aledia
(51) H01L 23/522	(21) EP18211801.8	(72) ROBIN, Ivan-Christophe ABOULAICH, Abdelhay SCARINGELLA, Sylvia CHANG, Ying-Lan
(11) EP3832717	(47) 19.06.2024	(31) 1855880
(21) EP20209202.9	(22) 11.12.2018	(32) 28.06.2018
(47) 19.06.2024	(54) DISTRIBUTED SEMICONDUCTOR DIE AND PACKAGE ARCHITECTURE	(33) France
(22) 23.11.2020	(73) Intel Corporation	(51) H01L 29/66
(54) MONOLITHIC BACK-TO-BACK ISOLATION ELEMENTS WITH FLOATING TOP PLATE	(72) KUMAR, Rajesh MC CULLOUGH, Wesley D. SANKMAN, Robert L. GOMES, Wilfred BOHR, Mark T. MAHAJAN, Ravindranath V.	H01L 29/06 H01L 29/20 H01L 29/417 H01L 21/78
(73) Analog Devices International Unlimited Company	(31) 201815869637	(11) EP3852148
(72) MCGUINNESS, Patrick M. TANGHE, Steven	(32) 12.01.2018	(21) EP20152742.1
(31) 201916700370	(33) United States of America	(47) 19.06.2024
(32) 02.12.2019	(51) H01L 27/146	(22) 20.01.2020
(33) United States of America	H04N 23/63 H04N 25/13 H04N 25/44 H04N 25/50 H04N 25/533 H04N 25/583 H04N 25/70 H04N 25/77 H04N 25/79	(54) SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING A SEMICONDUCTOR WAFER
(51) H01L 23/66	(11) EP3035667	(73) Infineon Technologies AG
H01L 23/552	(21) EP14835954.0	(72) BRECH, Helmut BIRNER, Albert TWYNAM, John
H01L 23/538	(47) 19.06.2024	(51) H01L 29/66
H01L 25/18	(87) JP2014070874 19.02.2015	H01L 29/06 H01L 29/40 H01L 29/417 H01L 29/423 H01L 29/739
H01L 25/10	(22) 07.08.2014	(11) EP3944740
(11) EP3614427	(54) ELECTRONIC DEVICE	(21) EP20733614.0
(21) EP19192261.6	(73) Nikon Corporation	(47) 19.06.2024
(47) 19.06.2024	(72) TSUCHIYA, Satoshi	(87) EP2020066909 23.12.2021
(22) 19.08.2019	(31) 2013167308	(22) 18.06.2020
(54) SEMICONDUCTOR PACKAGE WITH REDUCED NOISE	(32) 12.08.2013	(54) METHOD OF FORMING ASYMMETRIC THICKNESS OXIDE TRENCHES
(73) MediaTek Inc.	(33) Japan	(73) Dynex Semiconductor Limited Zhuzhou CRRC Times Semiconductor Co. Ltd
(72) WU, Wen-Chou LIN, Sheng-Mou LIU, Hsing-Chih	(51) H01L 27/15 H01L 33/44 H01L 33/50 H01L 33/36 H01L 33/42 H01L 33/16 G02B 1/116 G02B 1/118	(72) HUTCHINGS, John NGWENDSON, Luther-King DEVINY, Ian
(31) 201916535019 201862719825 P	(11) EP4154316	(51) H01L 29/66
(32) 07.08.2019	(21) EP21725226.1	H01L 29/78 H01L 21/8234 H01L 27/088
20.08.2018	(47) 19.06.2024	(11) EP3425675
(33) United States of America United States of America	(87) EP2021063144 25.11.2021	(21) EP18170872.8
(51) H01L 25/00	(22) 18.05.2021	(47) 19.06.2024
G01R 19/00	(54) LIGHT EMITTING DEVICE ARRAY	(22) 26.06.2014
H03K 17/082	(73) Plessey Semiconductors Limited	(54) NON-PLANAR SEMICONDUCTOR DEVICE HAVING OMEGA-FIN WITH DOPED SUB-FIN REGION
H03K 17/14	(72) MEZOUARI, Samir PINOS, Andrea	(73) Tahoe Research, Ltd.
(11) EP3830870	(31) 202007719	(72) PARK, Joodong COTNER, Raymond E. JAN, Chia-Hong BHIMARASETTI, Gopinath
(21) EP19843646.1	(32) 22.05.2020	
(47) 19.06.2024	(33) United Kingdom	
(87) US2019044024 06.02.2020	(51) H01L 27/15	
(22) 30.07.2019	H01L 33/50	
(54) POWER TRANSISTOR COUPLED TO MULTIPLE SENSE TRANSISTORS	(11) EP3815142	
(73) Texas Instruments Incorporated	(21) EP19734080.5	
(72) CHU, Min KRISHNAMURTHY, Vijay HEGDE, Vinayak HARJONO, Tikno JOARDAR, Kuntal SRIVASTAVA, Manish CHAUHAN, Ankur		
(31) 201816050383		
(32) 31.07.2018		
(33) United States of America		
(51) H01L 25/065		
H01L 25/16		
H01L 25/18		

HAN, Weimin HAFEZ, Walid M.	(32) 04.05.2021 (33) Korea (Republic)	CALCIUM-BASED SECONDARY CELL COMPRISING THE SAME
(51) H01L 29/74 H01L 29/10 H01L 29/06 H01L 29/08 H01L 29/747	(51) H01M 4/04 H01M 4/139 H01M 4/485 H01M 10/052 H01M 10/056	(73) Consejo Superior De Investigaciones Cientificas Toyota Motor Europe
(11) EP4053915 (21) EP21160204.0 (47) 19.06.2024 (22) 02.03.2021	(11) EP3751643 (21) EP19767488.0 (47) 19.06.2024 (87) KR2019002985 19.09.2019	(72) BARDE, Fanny PONROUCH, Alexandre PALACIN, Rosa (31) 201400770 (32) 02.10.2014 (33) Spain
(54) GATE-COMMUTED THYRISTOR CELL WITH A BASE REGION HAVING A VARYING THICKNESS	(22) 14.03.2019 (54) METHOD OF PREPARING POSITIVE ELECTRODE	(51) H01M 4/139 H01M 4/04 H01M 4/13 H01M 10/052
(73) Hitachi Energy Ltd (72) ANTONIOU, Marina LOPHITIS, Neophytos CORVASCE, Chiara UDREA, Florin VOBECKY, Jan STIASNY, Thomas VEMULAPATI, Umamaheswara	(73) LG Energy Solution, Ltd. (72) KIM, Ki Tae KOO, Chang Wan CHOY, Sang Hoon (31) 20180029934 (32) 14.03.2018 (33) Korea (Republic)	(11) EP3846254 (21) EP20759693.3 (47) 19.06.2024 (87) KR2020000940 27.08.2020 (22) 20.01.2020 (54) METHOD OF PREPARING ELECTRODE FOR SECONDARY BATTERY
(51) H01L 31/04 H01L 31/18	(51) H01M 4/13 H01M 4/134 H01M 4/131 H01M 4/139 H01M 4/04 H01M 10/0525 H01M 4/133 H01M 4/1393 H01M 4/1395 H01M 4/36 H01M 4/38 H01M 4/02	(73) LG Energy Solution, Ltd. (72) OH, Sei Woon YOON, Yeo Kyung KIM, Minkyung WOO, Sun Hwak (31) 20190020504 (32) 21.02.2019 (33) Korea (Republic)
(11) EP3694003 (21) EP20167098.1 (47) 19.06.2024 (22) 02.07.2014	(11) EP3754756 (21) EP19784734.6 (47) 19.06.2024 (87) KR2019003144 17.10.2019 (22) 18.03.2019	(51) H01M 4/485 C01B 33/027 C01B 33/12 H01M 4/36 H01M 4/38 H01M 4/02 (11) EP3531483 (21) EP17862653.7 (47) 19.06.2024 (87) JP2017035283 26.04.2018 (22) 28.09.2017
(54) HIGH ALTITUDE AIRCRAFT WITH INTEGRATED SOLAR CELLS, AND ASSOCIATED SYSTEMS AND METHODS	(54) NEGATIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, METHOD OF PRODUCING THE SAME AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME	(54) SILICON OXIDE-BASED NEGATIVE ELECTRODE MATERIAL AND METHOD OF MANUFACTURING THE SAME
(73) Wing Aviation LLC (72) YANEY, Maximus CORNEW, Daniel Husum (31) 201414310415 201361844786 P (32) 20.06.2014 10.07.2013 (33) United States of America United States of America	(73) LG Energy Solution, Ltd. (72) CHAE, Oh Byong WOO, Sang Wook KIM, Je Young (31) 20180042226 (32) 11.04.2018 (33) Korea (Republic)	(73) OSAKA Titanium Technologies Co., Ltd. (72) KASHITANI, Yusuke (31) 2016205040 (32) 19.10.2016 (33) Japan
(51) H01M 4/04 H01M 4/133 H01M 4/134 H01M 4/36 H01M 4/38 H01M 4/583 H01M 4/587 H01M 10/0525 H01M 10/0562 H01M 10/0585 H01M 50/143 H01M 50/383 H01M 4/525 H01M 4/02	(51) H01M 4/134 H01M 4/34 H01M 4/38 H01M 10/054 H01M 10/0568 H01M 10/0569 H01M 10/617	(51) H01M 4/525 H01M 4/36 H01M 4/505 H01M 10/052 H01M 10/0525 H01M 4/02 (11) EP3780176 (21) EP19776687.6 (47) 19.06.2024 (87) JP2019001803 03.10.2019 (22) 22.01.2019
(11) EP4086983 (21) EP22171582.4 (47) 19.06.2024 (22) 04.05.2022	(11) EP3201976 (21) EP14824476.7 (47) 19.06.2024 (87) EP2014079046 07.04.2016 (22) 22.12.2014	(54) NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY (73) Panasonic Intellectual Property Management Co., Ltd.
(54) ALL SOLID SECONDARY BATTERY AND ALL SOLID SECONDARY BATTERY STRUCTURE	(54) ELECTROLYTES FOR CALCIUM- BASED SECONDARY CELL AND	
(73) Samsung SDI Co., Ltd. (72) Lee, Minsuk Ryu, Younggyoon Yoon, Jaegu Kim, Hongjeong (31) 20210058111		

(72) WATANABE, Hiroki DONOUE, Kazunori MIYAZAKI, Shinya	(54) LITHIUM ION BATTERY AND METHOD OF MANUFACTURING	(31) 102021107209
(31) 2018068634	(73) Dreamweaver International, Inc.	(32) 23.03.2021
(32) 30.03.2018	(72) MORIN, Brian G.	(33) Germany
(33) Japan	(31) 201614993003	<hr/>
(51) H01M 4/525	201614992993	(51) H01M 10/42
H01M 4/505	(32) 11.01.2016	H01M 10/613
H01M 10/052	11.01.2016	H01M 10/6555
(11) EP3024069	(33) United States of America	H01M 10/6557
(21) EP15771006.2	United States of America	H01M 10/6556
(47) 19.06.2024	<hr/>	H01M 10/647
(87) KR2015000647	(51) H01M 10/04	H01M 10/625
17.03.2016	H01M 50/533	H01M 10/48
(22) 21.01.2015	H01M 50/54	B60L 50/64
(54) POSITIVE ELECTRODE ACTIVE	(11) EP3989318	H01M 50/211
MATERIAL FOR LITHIUM SECONDARY	(21) EP20855018.6	H01M 50/249
BATTERY, AND LITHIUM SECONDARY	(47) 19.06.2024	H01M 50/298
BATTERY COMPRISING SAME	(87) KR2020010333	H01M 50/505
(73) ECOPRO BM CO., LTD.	25.02.2021	H01M 50/51
(72) YUN, Jin Kyeong	(22) 05.08.2020	H01M 50/516
JEON, Suk Yong	(54) SECONDARY BATTERY, METHOD FOR	H01M 50/522
SHIN, Jong Seung	MANUFACTURING THE SECONDARY	H01M 50/548
CHOI, Moon Ho	BATTERY, AND BATTERY PACK	(11) EP3528315
KIM, Jik Soo	COMPRISING THE SECONDARY	(21) EP19157588.5
JUNG, Jae Yong	BATTERY	(47) 19.06.2024
(31) 20140119852	(73) LG Energy Solution, Ltd.	(22) 15.02.2019
(32) 11.09.2014	(72) LEE, Woo Yong	(54) VEHICLE BATTERY PACK
(33) Korea (Republic)	KIM, Min Jung	(73) FERRARI S.p.A.
<hr/>	LEE, Young Hoon	(72) POGGIO, Luca
(51) H01M 4/92	YOO, Mi Jung	LIGABUE, Elena
B01J 23/42	(31) 20190102027	(31) 201800002772
B01J 23/89	(32) 20.08.2019	(32) 16.02.2018
B01J 31/06	(33) Korea (Republic)	(33) Italy
B82Y 30/00	<hr/>	<hr/>
B82Y 40/00	(51) H01M 10/0567	(51) H01M 10/42
C23C 18/31	H01M 10/0568	H01M 50/579
C23C 18/34	H01M 10/052	B60R 21/0136
C23C 18/50	H01M 4/38	H01M 50/242
C23C 28/00	H01M 10/0565	(11) EP4060786
H01M 4/86	(11) EP3547435	(21) EP22154869.6
H01M 4/88	(21) EP17910613.3	(47) 19.06.2024
H01M 4/90	(47) 19.06.2024	(22) 03.02.2022
H01M 8/10	(87) KR2017014351	(54) IMPACT DETECTION DEVICE FOR A
H01M 8/1018	29.11.2018	TRACTION BATTERY OF A MOTOR
(11) EP3843186	(22) 08.12.2017	VEHICLE AND MOTOR VEHICLE
(21) EP19852572.7	(54) ELECTROLYTE SOLUTION FOR	COMPRISING AN IMPACT DETECTION
(47) 19.06.2024	LITHIUM-SULFUR BATTERY	DEVICE
(87) JP2019032067	AND LITHIUM-SULFUR BATTERY	(73) Dr. Ing. h.c. F. Porsche
27.02.2020	COMPRISING SAME	Aktiengesellschaft
(22) 15.08.2019	(73) LG Energy Solution, Ltd.	Audi AG
(54) CATALYST FOR SOLID POLYMER	(72) YANG, Seung Yoon	(72) GRUPP, Markus
FUEL CELL AND METHOD FOR	YANG, Doo Kyung	STOLL, Oliver
SELECTING CATALYST FOR SOLID	(31) 20170166320	BRANDIC, Ilija
POLYMER FUEL CELL	20170065508	RAUSCH, Julius
(73) Tanaka Kikinzoku Kogyo K.K.	(32) 06.12.2017	(31) 102021106545
(72) ISHIDA, Minoru	26.05.2017	(32) 17.03.2021
(31) 2018155107	(33) Korea (Republic)	(33) Germany
(32) 22.08.2018	Korea (Republic)	<hr/>
(33) Japan	<hr/>	(51) H01M 10/54
<hr/>	(51) H01M 10/42	H01M 6/52
(51) H01M 10/04	H01M 10/48	H01M 4/38
H01M 10/0525	H01R 13/627	H01M 4/40
(11) EP3403288	H01R 13/635	H01M 10/052
(21) EP17702191.2	H01R 13/703	H01M 10/054
(47) 19.06.2024	(11) EP4117082	C22B 7/00
(87) US2017012797	(21) EP22159899.8	B09B 3/00
20.07.2017	(47) 19.06.2024	H01M 10/44
(22) 10.01.2017	(22) 03.03.2022	H01M 4/02
	(54) COUPLING DEVICE	(11) EP4226455
	(73) National Instruments Germany GmbH	(21) EP21801155.9
	(72) AUWEILER, Juergen	(47) 19.06.2024
		(87) FR2021051723

14.04.2022	(21) EP21764688.4	(54) RECHARGEABLE BATTERY
(22) 05.10.2021	(47) 19.06.2024	(73) LG Energy Solution, Ltd.
(54) METHOD FOR OPENING AN ELECTROCHEMICAL GENERATOR	(87) KR2021002713	(72) OH, Sei Woon
(73) Orano	10.09.2021	WOO, Sun Hwak
Commissariat à l'énergie atomique et aux énergies alternatives	(22) 04.03.2021	CHO, Sung Hwan
(72) BILLY, Emmanuel	(54) BATTERY MODULE HAVING STRUCTURE CAPABLE OF RAPID COOLING, AND ESS COMPRISING SAME	LIM, Soo-Hyun
(31) 2010323		PARK, Jinseo
(32) 09.10.2020	(73) LG ENERGY SOLUTION, LTD.	(31) 20170137663
(33) France	(72) SHIN, Jin-Kyu	(32) 23.10.2017
(51) H01M 10/54	JO, Sang-Hyun	(33) Korea (Republic)
H01M 6/52	JEONG, Ji-Won	(51) H01M 50/143
H01M 4/38	BAE, Kyung-Hyun	F16K 15/16
H01M 4/40	LEE, Jin-Kyu	F16K 17/04
H01M 10/052	(31) 20200027904	F16K 17/196
H01M 10/054	(32) 05.03.2020	(11) EP3982470
H01M 10/44	(33) Korea (Republic)	(21) EP21827529.5
C22B 7/00	(51) H01M 10/655	(47) 19.06.2024
B09B 3/00	H01M 10/6556	(87) CN2021092835
H01M 4/02	H01M 10/625	03.03.2022
(11) EP4226454	H01M 10/613	(22) 10.05.2021
(21) EP21798755.1	H01M 50/227	(54) BALANCING VALVE, BATTERY, AND ELECTRICAL APPLIANCE
(47) 19.06.2024	H01M 50/242	(73) Contemporary Amperex Technology Co., Limited
(87) FR2021051724	(11) EP3792991	(72) ZHU, Decai
14.04.2022	(21) EP19862028.8	JI, Jinqing
(22) 05.10.2021	(47) 19.06.2024	WANG, Peng
(54) METHOD FOR DISCHARGING AN ELECTROCHEMICAL GENERATOR	(87) KR2019010870	HU, Langchao
(73) Orano	26.03.2020	CHEN, Binbin
Commissariat à l'énergie atomique et aux énergies alternatives	(22) 26.08.2019	WU, Ziqiang
(72) GUILPAIN, Mathilde	(54) BATTERY PACK AND VEHICLE INCLUDING BATTERY PACK	(31) 202010901521
BILLY, Emmanuel	(73) LG Energy Solution, Ltd.	(32) 31.08.2020
BRUN-BUISSON, David	(72) CHOI, Kyu-Hyun	(33) China
(31) 2010324	CHI, Ho-June	(51) H01M 50/282
(32) 09.10.2020	LEE, Su-Hang	H01M 50/278
(33) France	CHOI, Jee-Soon	H01M 50/276
(51) H01M 10/613	(31) 20180112332	H01M 50/249
H01M 10/625	(32) 19.09.2018	B32B 15/04
H01M 10/63	(33) Korea (Republic)	B32B 1/00
H01M 10/655	(51) H01M 50/103	B29C 43/30
(11) EP3657595	H01M 50/133	B29C 43/18
(21) EP18879289.9	H01M 50/169	B29C 37/00
(47) 19.06.2024	H01M 50/176	B29C 43/56
(87) KR2018009783	H01M 50/342	B29C 70/46
23.05.2019	(11) EP4207440	B29C 70/88
(22) 24.08.2018	(21) EP22203572.7	B29C 70/84
(54) BATTERY MODULE AND BATTERY PACK COMPRISING SAME	(47) 19.06.2024	B29C 70/18
(73) LG Energy Solution, Ltd.	(22) 25.10.2022	B32B 5/24
(72) YOON, Seog Jin	(54) SECONDARY BATTERY AND A METHOD OF MANUFACTURING A SECONDARY BATTERY	B32B 15/08
JEONG, Han Yong	(73) Samsung SDI Co., Ltd.	B29K 105/08
YANG, Kun Joo	(72) Lee, Hyun Soo	B29C 33/42
(31) 20170151793	(31) 20210191202	(11) EP4081389
(32) 14.11.2017	(32) 29.12.2021	(21) EP21703606.0
(33) Korea (Republic)	(33) Korea (Republic)	(47) 19.06.2024
(51) H01M 10/627	(51) H01M 50/105	(87) EP2021051675
H01M 10/613	H01M 50/533	12.08.2021
H01M 50/24	H01M 50/55	(22) 26.01.2021
H01M 50/20	H01M 50/557	(54) COVER STRUCTURE AND SMC MOLD, AND METHOD FOR PRODUCING SUCH A COVER STRUCTURE
H01M 50/502	H01M 10/04	(73) Georg Fritzmeier GmbH & Co. KG
A62C 3/16	(11) EP3641017	(72) FRAUNHOFER, Stephan
A62C 37/14	(21) EP18870996.8	(31) 102020107675
A62C 31/28	(47) 19.06.2024	102020102790
A62C 2/06	(87) KR2018012432	(32) 19.03.2020
H01M 10/6567	02.05.2019	04.02.2020
(11) EP4044324	(22) 19.10.2018	(33) Germany
		Germany

(51) H01Q 1/24	H01Q 21/24	H01R 13/422
H01Q 5/42	H01Q 1/24	H01R 24/40
H01Q 9/28	H01Q 1/52	H01R 43/20
H01Q 21/24	H01Q 21/06	H01R 103/00
H01Q 1/52	H01Q 21/28	(11) EP4037106
(11) EP4027454	(11) EP3695461	(21) EP22150112.5
(21) EP20859741.9	(21) EP18901915.1	(47) 19.06.2024
(47) 19.06.2024	(47) 19.06.2024	(22) 04.01.2022
(87) CN2020100490	(87) KR2018014365	(54) PLUG CONNECTION AND PLUG
11.03.2021	01.08.2019	CONNECTOR ASSEMBLY
(22) 06.07.2020	(22) 21.11.2018	(73) MD Elektronik GmbH
(54) ANTENNA, ANTENNA ARRAY, AND	(54) ANTENNA STRUCTURE AND	(72) Kirschner, Thomas
COMMUNICATION DEVICE	ELECTRONIC DEVICE COMPRISING	(31) 202021100405 U
(73) Huawei Technologies Co., Ltd.	ANTENNA STRUCTURE	(32) 28.01.2021
(72) LUO, Bing	(73) Samsung Electronics Co., Ltd.	(33) Germany
QIN, Wenfei	(72) PARK, Se Hyun	<hr/>
LI, Jianping	JO, Jae Hoon	(51) H01R 12/71
(31) 201910837849	JONG, Je Hun	H01R 12/73
(32) 05.09.2019	JEONG, Myung Hun	H05K 1/14
(33) China	JUNG, Jin Woo	H05K 3/36
<hr/>	CHUN, Jae Bong	H01R 13/24
(51) H01Q 15/00	YUN, Su Min	H05K 1/18
H04B 7/185	(31) 20180008995	(11) EP3830906
H01Q 15/02	(32) 24.01.2018	(21) EP18928443.3
H01Q 19/06	(33) Korea (Republic)	(47) 19.06.2024
H01Q 3/46	<hr/>	(87) CN2018098073
(11) EP3675283	(51) H01Q 21/28	06.02.2020
(21) EP18915261.4	H01Q 21/24	(22) 01.08.2018
(47) 19.06.2024	H01Q 1/00	(54) BOARD CONNECTOR AND PRINTED
(87) CN2018102228	H01Q 1/38	CIRCUIT BOARD ASSEMBLY
24.10.2019	H01Q 1/48	(73) TELEFONAKTIEBOLAGET LM
(22) 24.08.2018	H01Q 9/42	ERICSSON (PUBL)
(54) DIRECT RADIATION WIRELESS	H04B 7/0413	(72) GU, Haiquan
DIGITAL COMMUNICATION SYSTEM	H05K 1/14	YANG, Zhen
AND METHOD BASED ON DIGITAL	(11) EP3759763	DUAN, Pinghua
CODING METAMATERIAL	(21) EP19760389.7	<hr/>
(73) Southeast University	(47) 19.06.2024	(51) H01R 13/52
(72) LIU, Shuo	(87) US2019019819	(11) EP4170830
CUI, Tiejun	06.09.2019	(21) EP22196253.3
BAI, Guodong	(22) 27.02.2019	(47) 19.06.2024
(31) 201810642069	(54) MIMO ANTENNA MODULE AND MIMO	(22) 17.09.2022
201810341098	ANTENNA UNIT FOR DISTRIBUTED	(54) WATERPROOF CONNECTOR
(32) 21.06.2018	ANTENNA SYSTEM	(73) Japan Aviation Electronics Industry,
17.04.2018	(73) CommScope Technologies LLC	Limited
(33) China	(72) DAVIES, David	(72) ECHIZENYA, Toshihito
<hr/>	POLLMAN, Michael	MORISHITA, Yukuya
(51) H01Q 21/06	CRAIG, Kevin E.	(31) 2021173715
H01Q 21/00	(31) 201862635981 P	(32) 25.10.2021
H01Q 5/42	(32) 27.02.2018	(33) Japan
H01Q 21/24	(33) United States of America	<hr/>
(11) EP3295514	<hr/>	(51) H01R 13/523
(21) EP16792264.0	(51) H01R 9/05	H01R 103/00
(47) 19.06.2024	H01R 4/64	H01R 13/631
(87) IB2016051207	(11) EP3791445	H01R 43/26
17.11.2016	(21) EP19723085.7	H02G 1/10
(22) 03.03.2016	(47) 19.06.2024	H02G 1/08
(54) METHODS CIRCUITS DEVICES	(87) EP2019061788	(11) EP3769374
ASSEMBLIES AND SYSTEMS FOR	14.11.2019	(21) EP19712740.0
WIRELESS COMMUNICATION	(22) 08.05.2019	(47) 19.06.2024
(73) Get Sat Communications Ltd.	(54) CONNECTION RETAINER, SYSTEM	(87) EP2019056785
(72) BENJAMIN, Kfir	HAVING SUCH A CONNECTION	26.09.2019
MONTORI, Simone	RETAINER AND METHOD FOR	(22) 19.03.2019
SORRENTINO, Roberto	ASSEMBLING SUCH A SYSTEM	(54) HANDLING SYSTEM FOR A
MARCACCIOLI, Luca	(73) Yazaki Systems Technologies GmbH	CONNECTOR CONFIGURED TO
ROITBERG, Oleg	(72) BYHAN, René	CONNECT UNDERWATER CABLES
(31) 201562159391 P	HAMMERL, Reinhold	(73) NAVAL Group
(32) 11.05.2015	(31) 102018111050	(72) VAN DEN BROEK, Alban
(33) United States of America	(32) 08.05.2018	PRISER, Mathieu
<hr/>	(33) Germany	LEDUC, Benoît
(51) H01Q 21/08	(51) H01R 9/05	(31) 1852310
		(32) 19.03.2018

(33) France	Hugar, Danappa	Schorling, Timon
(51) H01R 13/629	Patagar, Vishnu	(31) 102021127875
H01R 13/627	HP, Sukshitha	(32) 26.10.2021
(11) EP3679633	(51) H01S 3/00	(33) Germany
(21) EP18765882.8	H01S 3/23	(51) H02B 1/052
(47) 19.06.2024	(11) EP3394938	H02B 1/26
(87) EP2018074130	(21) EP16828936.1	H02B 1/30
28.03.2019	(47) 19.06.2024	H02B 1/50
(22) 07.09.2018	(87) EP2016081976	H02B 1/54
(54) RETRACTION AID OF ELECTRIC PLUG CONNECTORS WITH A MOVEMENT DIRECTION IN THE PLUG-IN DIRECTION	29.06.2017	H05K 5/02
(73) Hirschmann Automotive GmbH	(22) 20.12.2016	H05K 7/14
(72) KLEINER, Thomas	(54) OPTICAL ARRANGEMENT	B61C 17/00
WEISS, Marco	(73) Friedrich-Schiller-Universität Jena	(11) EP3513469
DÜNSER, Simon	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(21) EP17755498.7
(31) 102017120667	(72) KIENEL, Marco	(47) 19.06.2024
(32) 07.09.2017	MÜLLER, Michael	(87) EP2017071054
(33) Germany	TÜNNERMANN, Andreas	22.03.2018
(51) H01R 13/6582	LIMPERT, Jens	(22) 21.08.2017
H01R 13/422	KLENKE, Arno	(54) ELECTRICAL UNIT FOR A RAIL- BOUND VEHICLE
H01R 13/436	(31) 102015122734	(73) KNORR-BREMSE Systeme für Schienenfahrzeuge GmbH
H01R 13/629	(32) 23.12.2015	(72) MANN, Hartmut
(11) EP3739694	(33) Germany	MÜNCH, Lothar
(21) EP20173963.8	(51) H01S 5/00	WACH, Jörg-Johannes
(47) 19.06.2024	F21K 9/64	LAMPRECHT, Marcus
(22) 11.05.2020	(11) EP3869638	(31) 102016117501
(54) CONNECTOR HOUSING, MATING CONNECTOR HOUSING AND SYSTEM	(21) EP21168341.2	(32) 16.09.2016
(73) TE Connectivity Germany GmbH	(47) 19.06.2024	(33) Germany
(72) Barth, Joachim	(22) 02.03.2018	(51) H02J 1/08
Helm, Sebastian	(54) OPTICAL COMPONENT	H02J 13/00
(31) 102019112576	(73) Nichia Corporation	H02S 40/30
(32) 14.05.2019	(72) KOTANI, Yasuhisa	H02S 40/32
(33) Germany	NOGUCHI, Teruhiko	H04B 3/48
(51) H01R 13/66	AKITA, Toshio	H04B 3/54
H01R 24/76	(31) 2017204385	(11) EP4060895
(11) EP3721511	2017125738	(21) EP21770824.7
(21) EP18886862.4	2017040495	(47) 19.06.2024
(47) 19.06.2024	(32) 23.10.2017	(87) CN2021080077
(87) US2018064269	28.06.2017	23.09.2021
13.06.2019	03.03.2017	(22) 10.03.2021
(22) 06.12.2018	(33) Japan	(54) PHOTOVOLTAIC SYSTEM, AND METHOD FOR GROUPING PHOTOVOLTAIC UNITS
(54) SHALLOW ELECTRICAL PROTECTION DEVICE (GFCI, AFCI, AND AFCI/GFCI) SYSTEM AND METHOD	Japan	(73) Huawei Digital Power Technologies Co., Ltd.
(73) Hubbell Incorporated	(51) H01S 5/022	(72) MA, Xun
(72) RIDGEWAY, David	H01S 5/026	SUN, Yu
PADRO, Kenny	H01S 5/10	LV, Yixuan
(31) 201762595760 P	H01S 5/12	(31) 202010186543
(32) 07.12.2017	(11) EP4122062	(32) 17.03.2020
(33) United States of America	(21) EP20719170.1	(33) China
(51) H01R 24/54	(47) 19.06.2024	(51) H02J 1/10
H01R 13/426	(87) EP2020060407	H02J 3/38
H01R 43/20	21.10.2021	H02J 3/00
H01R 13/436	(22) 14.04.2020	H02M 1/00
(11) EP3965237	(54) ELECTROABSORPTION MODULATED LASER	H02J 13/00
(21) EP20194283.6	(73) Huawei Technologies Co., Ltd.	(11) EP2208236
(47) 19.06.2024	(72) CHEN, Xin	(21) EP08796302.1
(22) 03.09.2020	(51) H01T 23/00	(47) 19.06.2024
(54) ANGLED CONNECTOR AND METHOD OF ASSEMBLING AN ANGLED CONNECTOR	A61L 9/22	(87) US2008070506
(73) TE Connectivity Germany GmbH	H01T 19/00	23.04.2009
TE Connectivity India Private Limited	(11) EP4175082	(22) 18.07.2008
(72) Barth, Joachim	(21) EP22203511.5	(54) HIGH EFFICIENCY REMOTELY CONTROLLABLE SOLAR ENERGY SYSTEM
Kugler, Marco	(47) 19.06.2024	(73) AMPT, LLC
	(22) 25.10.2022	(72) LEDENEV, Anatoli
	(54) DEVICE FOR IONIZING AMBIENT AIR	
	(73) Krömker Holding GmbH	
	Timon Schorling Holding GmbH	
	(72) Krömker, Wilfried	

SCHATZ, Douglas, S.	(21) EP21740460.7	B60L 53/124
PORTER, Robert, M.	(47) 19.06.2024	B60L 53/38
(31) 986979 P	(87) EP2021068198	(11) EP4080729
982053 P	06.01.2022	(21) EP20911030.3
980157 P	(22) 01.07.2021	(47) 19.06.2024
PCT/US2008/006034	(54) COMPACT POWER CHARGING	(87) CN2020138965
PCT/US2008/005710	DEVICE	08.07.2021
(32) 09.11.2007	(73) ONgeiner GmbH	(22) 24.12.2020
23.10.2007	(72) MÜNDEL, Claus-martin	(54) WIRELESS POWER TRANSMISSION
15.10.2007	BREDEMEIER, Peter	SYSTEM
15.04.2008	HONERKAMP, Stefan	(73) Huawei Digital Power Technologies Co.,
14.03.2008	(31) 102020117379	Ltd.
(33) United States of America	(32) 01.07.2020	(72) ZHANG, Chengliang
United States of America	(33) Germany	LU, Wei
United States of America	(51) H02J 7/00	WU, Donghao
World Intellectual Property Office (WIPO)	H02J 50/00	WU, Baoshan
World Intellectual Property Office (WIPO)	H05K 7/20	(31) 201911424812
(51) H02J 3/38	(11) EP3952055	(32) 31.12.2019
H02J 3/40	(21) EP21188548.8	(33) China
H02M 7/48	(47) 19.06.2024	(51) H02J 50/60
H02M 7/493	(22) 29.07.2021	H02J 50/90
H02M 7/5395	(54) VEHICLE PROVIDED WITH A	B60L 53/124
H02M 1/00	WIRELESS CHARGER FOR MOBILE	H02J 50/12
(11) EP4148942	PHONES	(11) EP3920373
(21) EP22185955.6	(73) FERRARI S.p.A.	(21) EP20850184.1
(47) 19.06.2024	(72) DI ZANNI, Gianluigi	(47) 19.06.2024
(22) 28.09.2017	OLIVA, Alfonso	(87) CN2020081503
(54) METHOD FOR SYNCHRONIZING PWM	(31) 202000018460	11.02.2021
CONTROL SIGNALS OF INVERTERS,	(32) 29.07.2020	(22) 26.03.2020
INVERTER, AND POWER GRID	(33) Italy	(54) WIRELESS CHARGING DEVICE,
SYSTEM	(51) H02J 13/00	AND METHOD AND SYSTEM FOR
(73) Huawei Technologies Co., Ltd.	H04Q 9/00	POSITION DETECTION
(72) YUAN, Hongwen	(11) EP3741027	(73) Huawei Digital Power Technologies Co.,
LIU, Fangcheng	(21) EP18710353.6	Ltd.
XU, Fuqiang	(47) 19.06.2024	(72) ZHOU, Wei
(51) H02J 7/00	(87) EP2018054659	WU, Donghao
(11) EP3685488	29.08.2019	WU, Baoshan
(21) EP18826841.1	(22) 26.02.2018	(31) 201911424812
(47) 19.06.2024	(54) SWITCHING STATION OF HIGH-	PCT/US2019/045471
(87) US2018052263	VOLTAGE OR MEDIUM-VOLTAGE	(32) 31.12.2019
28.03.2019	EQUIPMENT	07.08.2019
(22) 21.09.2018	(73) Siemens Energy Global GmbH & Co. KG	(33) China
(54) AUTONOMOUS ROBOT CHARGING	(72) SCHIRRMACHER, Florian	World Intellectual Property Office (WIPO)
PROFILE SELECTON	HOLZAPFEL, Johann	(51) H02K 1/17
(73) Locus Robotics Corp.	RENTSCHLER, Alexander	H02K 1/18
(72) SUSSMAN, Michael	WEIGT, Uwe	H02K 5/10
INSINGA, Aron Klair	WALLNER, Christian	H02K 41/03
(31) 201715712441	(51) H02J 50/00	(11) EP3160012
(32) 22.09.2017	H02J 50/10	(21) EP15190522.1
(33) United States of America	H02J 50/80	(47) 19.06.2024
(51) H02J 7/00	H02J 50/90	(22) 20.10.2015
(11) EP4135155	(11) EP4085508	(54) SECONDARY PART OF A LINEAR
(21) EP22190151.5	(21) EP20838551.8	MOTOR
(47) 19.06.2024	(47) 19.06.2024	(73) ETEL S.A.
(22) 12.08.2022	(87) EP2020087668	(72) GAUSE, Alfred
(54) ENERGY STORAGE SYSTEM AND	08.07.2021	FERNANDES GONCALVES,, José
CONTROL METHOD THEREOF	(22) 22.12.2020	Manuel
(73) Huawei Digital Power Technologies Co.,	(54) SUPPLY DEVICE, ENERGY SUPPLY	(51) H02K 1/18
Ltd.	SYSTEM AND METHOD FOR	H02K 3/28
(72) GUO, Haibin	ELECTRIC ENERGY SUPPLY	H02K 21/24
LI, Lin	(73) PohlCon GmbH	H02K 1/17
ZHOU, He	(72) THIELE, Dennis	(11) EP4131728
(31) 202110929718	(31) 102020100075	(21) EP22188026.3
(32) 13.08.2021	(32) 03.01.2020	(47) 19.06.2024
(33) China	(33) Germany	(22) 01.08.2022
(51) H02J 7/00	(51) H02J 50/12	(54) MOTOR STATOR, DRIVE MOTOR, AND
H02J 7/04	H02J 50/90	ELECTRIC VEHICLE
(11) EP4176506	H02J 50/60	

(73) Huawei Digital Power Technologies Co., Ltd.	(31) 102017204472	MARIN KIST, Leandro Felipe
(72) CHEN, Jinhua	(32) 17.03.2017	ADILSON PASSIG, Jhonatan
SHI, Chaojie	(33) Germany	(31) 201862694696 P
WU, Chaoqiang	(51) H02K 3/30	(32) 06.07.2018
(31) 202110881623	H01B 13/00	(33) United States of America
(32) 02.08.2021	H02K 15/12	(51) H02K 7/02
(33) China	H01B 19/02	H02K 7/04
(51) H02K 1/27	H01B 19/04	H02K 7/09
H02K 7/00	H02K 3/40	F16C 32/04
H02K 3/34	H02K 3/34	F16F 15/315
H02K 3/28	(11) EP3480919	H02J 3/30
H02K 1/2791	(21) EP16907205.5	(11) EP3714528
H02K 1/28	(47) 19.06.2024	(21) EP17933144.2
(11) EP4010961	(87) JP2016003162	(47) 19.06.2024
(21) EP20891819.3	04.01.2018	(87) FI2017050802
(47) 19.06.2024	(22) 01.07.2016	31.05.2019
(87) KR2020016682	(54) METHOD FOR PRODUCING	(22) 21.11.2017
03.06.2021	ELECTRICAL INSULATING	(54) APPARATUS AND METHOD FOR
(22) 24.11.2020	STRUCTURE	MODULAR STABILIZATION OF
(54) MOTOR	(73) TMEIC Corporation	HUBLESS ROTORS
(73) Samsung Electronics Co., Ltd.	(72) MURA, Kotaro	(73) Teraloop OY
(72) CHOI, Jonghyun	TSUDA, Toshihiro	(72) MERILÄ, Markus Olavi Johannes
PARK, Cheo	KIKUTA, Shinsuke	NYBERG, Timo
LEE, Dongbum	YOSHIMITSU, Tetsuo	TANWEER KAZMI, Syed Husnain
PARK, Jungwoo	(51) H02K 5/173	DENTON, Ian
KO, Byoungsoo	H02K 24/00	ULLAH KHAN, Saif
(31) 20190155669	(11) EP3661025	PÖLLÄNEN, Juuso Oskari
(32) 28.11.2019	(21) EP19211009.6	(51) H02K 7/09
(33) Korea (Republic)	(47) 19.06.2024	H02K 5/167
(51) H02K 3/18	(22) 22.11.2019	H02K 1/14
H02K 3/24	(54) AXLE ASSEMBLY HAVING A	H02K 1/276
H02K 3/34	RESOLVER AND A METHOD OF	B60K 7/00
H02K 15/095	ASSEMBLY	H02K 9/19
H02K 15/10	(73) ArvinMeritor Technology, LLC	(11) EP4022747
H02K 3/30	(72) SMITH, Mark	(21) EP20804114.5
H02K 9/19	HEIMBAUGH, Curtis	(47) 19.06.2024
(11) EP3893363	WILKINS, Mark	(87) US2020056288
(21) EP21163960.4	BEGOV, Angel	22.04.2021
(47) 19.06.2024	(31) 201816205623	(22) 19.10.2020
(22) 22.03.2021	(32) 30.11.2018	(54) LUBRICANT SUPPORTED ELECTRIC
(54) METHOD OF EFFICIENT THERMAL	(33) United States of America	MOTOR INCLUDING MAGNETIC
MANAGEMENT OF ROTOR IN A HIGH	(51) H02K 5/173	ROTOR CENTERING
POWER GENERATOR	H02K 49/10	(73) Neapco Intellectual Property Holdings,
(73) Hamilton Sundstrand Corporation	H02K 9/00	LLC
(72) JOSHI, Ashutosh	G01N 33/00	(72) DEDO, Jacqueline
PAL, Debabrata	B01L 1/00	VERSTEYHE, Mark
(31) 202063008110 P	(11) EP3787158	REMBOSKI, Donald
(32) 10.04.2020	(21) EP20191785.3	LEQUESNE, Brun, Patrice-Bernard
(33) United States of America	(47) 19.06.2024	(31) 201962916820 P
(51) H02K 3/22	(22) 19.08.2020	(32) 18.10.2019
H02K 3/24	(54) EMISSION TESTING CHAMBER AND	(33) United States of America
H02K 9/197	VENTILATOR FEEDTHROUGH FOR AN	(51) H02K 11/25
(11) EP3577742	EMISSION TESTING CHAMBER	H02K 15/085
(21) EP18714183.3	(73) Olfasense GmbH	H02K 3/12
(47) 19.06.2024	(72) MANNEBECK, Dietmar	(11) EP3716453
(87) EP2018056728	FERNBERG, Meik	(21) EP20157092.6
20.09.2018	(31) 102019123103	(47) 19.06.2024
(22) 16.03.2018	(32) 28.08.2019	(22) 13.02.2020
(54) STATOR WITH WINDING COOLING	(33) Germany	(54) MANUFACTURING METHOD OF A
FOR AN ELECTRIC MACHINE	(51) H02K 5/22	COMPONENT AND COMPONENT OF
(73) Siemens Aktiengesellschaft	(11) EP3591815	AN ELECTRIC MACHINE
(72) KLÖPZIG, Markus	(21) EP19184812.6	(73) Audi AG
SCHMIDT, Heinz	(47) 19.06.2024	(72) Breuer, Thomas
SPAGNOLO, Aristide	(22) 05.07.2019	Weber, Korbinian
WILKE, Markus	(54) ROTATING ELECTRIC MACHINE	(31) 102019204002
DIEHL, Dirk	(73) Weg Equipamentos Elétricos S.A.	(32) 25.03.2019
SCHRÖTER, Andreas	(72) LAFIN, Patrick	(33) Germany
	SCHMIDT FERREIRA, Alexandre	(51) H02K 15/00

G01R 31/34	(73) Huawei Technologies Co., Ltd.	(47) 19.06.2024
B62D 57/024	(72) DUAN, Ran	(22) 05.07.2022
(11) EP3954027	WAN, Haibo	(54) CONVERTER, CONVERTER CONTROL
(21) EP20722233.2	LI, Dengfeng	METHOD, AND POWER ADAPTER
(47) 19.06.2024	HE, Yingyong	(73) Huawei Digital Power Technologies Co.,
(87) EP2020060846	(31) 201911032725	Ltd.
26.11.2020	(32) 28.10.2019	(72) DAI, Shengyong
(22) 17.04.2020	(33) China	YANG, Gun
(54) INSPECTION VEHICLE	(51) H02K 49/10	(31) 202110757059
(73) Siemens Energy Global GmbH & Co. KG	H02K 1/276	(32) 05.07.2021
(72) BORGMANN, Christian	H02K 7/06	(33) China
OBERMAYR, Stefan	(11) EP3425781	(51) H02M 1/36
DREISCHER, Paul	(21) EP17180404.0	H02M 7/217
CLOSSEN-VON LANKEN SCHULZ,	(47) 19.06.2024	H02M 7/49
Michael	(22) 08.07.2017	H02M 7/48
(31) 102019207248	(54) MOTOR USING PERMANENT	(11) EP4012914
(32) 17.05.2019	MAGNETS WITH MOVABLE	(21) EP21212972.0
(33) Germany	STATOR, CONTROLLED BY LINEAR	(47) 19.06.2024
(51) H02K 21/02	ACTUATORS	(22) 07.12.2021
E04D 13/076	(73) Ocwieja, Agnieszka	(54) POWER CONVERSION CIRCUIT,
(11) EP3679640	(72) Ocwieja, Agnieszka	METHOD FOR CONTROLLING
(21) EP18755653.5	(51) H02M 1/00	POWER CONVERSION CIRCUIT, AND
(47) 19.06.2024	H02M 1/36	TRANSFORMER
(87) US2018044955	H02M 3/00	(73) Huawei Digital Power Technologies Co.,
14.03.2019	H02M 1/32	Ltd.
(22) 02.08.2018	(11) EP4050779	(72) ZHANG, Xiaofei
(54) PERMANENT MAGNET MOTOR WITH	(21) EP22158819.7	SHUAI, Peng
PASSIVELY CONTROLLED VARIABLE	(47) 19.06.2024	HUANG, Zhuoyong
ROTOR/STATOR ALIGNMENT	(22) 25.02.2022	LIU, Peiguo
(73) INDIGO TECHNOLOGIES, INC.	(54) DC/DC CONVERTER AND SOFT	(31) 202011443619
(72) PURCHASE, Scott, T.	START OVERSHOOT PREVENTION	(32) 08.12.2020
DIAS CARLSON, Rachel, A.	METHOD THEREOF	(33) China
(31) 201815927328	(73) HUAWEI TECHNOLOGIES CO., LTD.	(51) H02M 1/42
201762554328 P	(72) WU, Xuyang	H05B 45/355
(32) 21.03.2018	YU, GUOLEI	H05B 45/38
05.09.2017	ZHANG, Guiping	(11) EP3965275
(33) United States of America	(31) 202110221349	(21) EP20194949.2
United States of America	(32) 27.02.2021	(47) 19.06.2024
(51) H02K 21/24	(33) China	(22) 08.09.2020
H02K 1/18	(51) H02M 1/32	(54) POWER FACTOR CORRECTION
H02K 3/47	H02M 7/487	CIRCUIT
H02K 7/08	H02M 7/483	(73) Tridonic GmbH & Co. KG
H02K 7/18	H02H 7/122	(72) Auer, Hans
(11) EP3549244	H02H 7/20	Kucera, Clemens
(21) EP17811360.1	H02H 9/04	(51) H02M 3/07
(47) 19.06.2024	(11) EP4060846	H02M 3/158
(87) GB2017053637	(21) EP21831209.8	H02M 1/00
07.06.2018	(47) 19.06.2024	H02M 3/00
(22) 01.12.2017	(87) CN2021141683	(11) EP3895299
(54) IMPROVEMENTS TO ROTARY	28.07.2022	(21) EP19723608.6
GENERATORS	(22) 27.12.2021	(47) 19.06.2024
(73) TIME TO ACT PLC	(54) FAULT PROTECTION DEVICE	(87) US2019029985
(72) KELLY, Hugh-Peter Granville	AND PHOTOVOLTAIC POWER	23.07.2020
(31) 201620520	GENERATION SYSTEM	(22) 30.04.2019
(32) 02.12.2016	(73) Huawei Digital Power Technologies Co.,	(54) HYBRID POWER CONVERTER AND
(33) United Kingdom	Ltd.	METHOD
(51) H02K 41/035	(72) SHI, Lei	(73) Huawei Digital Power Technologies Co.,
F03G 7/06	CHEN, Dong	Ltd.
G02B 27/64	WANG, Jun	(72) DAI, Heping
G03B 13/36	(31) 202110069765	(31) 201862786140 P
(11) EP4030600	(32) 19.01.2021	(32) 28.12.2018
(21) EP20880723.0	(33) China	(33) United States of America
(47) 19.06.2024	(51) H02M 1/34	(51) H02M 3/335
(87) CN2020121301	H02M 3/335	H02M 1/00
06.05.2021	H02M 1/00	H02M 1/38
(22) 15.10.2020	H02M 1/38	(11) EP3968507
(54) MOTOR, CAMERA MODULE, AND	(11) EP4117157	(21) EP19927701.3
MOBILE TERMINAL	(21) EP22183187.8	(47) 19.06.2024

(87) JP2019018278 12.11.2020	(11) EP4143961	(22) 01.09.2017
(22) 07.05.2019	(21) EP21722389.0	(54) TORQUE RIPPLE REDUCTION FOR A GENERATOR
(54) POWER CONVERSION DEVICE	(47) 19.06.2024	(73) Siemens Gamesa Renewable Energy A/S
(73) MITSUBISHI ELECTRIC CORPORATION	(87) EP2021060624 04.11.2021	(72) Xie, Ge
(72) ISHIBASHI, Takaharu	(22) 23.04.2021	Deng, Heng
(51) H02M 7/00	(54) DRIVE DEVICE, OPTICAL SYSTEM AND LITHOGRAPHY APPARATUS	(31) 102016217760
H02M 7/44	(73) Carl Zeiss SMT GmbH	(32) 16.09.2016
H02M 7/48	(72) ALIMAN, Michel	(33) Germany
H05K 7/14	MANGER, Matthias	(51) H02P 29/62
(11) EP3930166	BERGER, Lars	(11) EP4099561
(21) EP19915842.9	AWAD, Mohammad	(21) EP22176602.5
(47) 19.06.2024	(31) 102020205279	(47) 19.06.2024
(87) KR2019011819 27.08.2020	(32) 27.04.2020	(22) 01.06.2022
(22) 11.09.2019	(33) Germany	(54) METHOD FOR CONTROLLING HEATING OF MOTOR AND CONTROL METHOD FOR MULTI-MOTOR DRIVE SYSTEM
(54) INVERTER MODULE	(51) H02N 2/18 H01H 13/14	(73) Huawei Digital Power Technologies Co., Ltd.
(73) LS ELECTRIC CO., LTD.	(11) EP4178099	(72) WU, Chaoqiang
(72) SONG, Young-Hoon	(21) EP20944548.5	LIN, Mengxuan
(31) 20190018686	(47) 19.06.2024	LI, Haojie
(32) 18.02.2019	(87) CN2020100365 13.01.2022	(31) 202110610850
(33) Korea (Republic)	(22) 06.07.2020	(32) 01.06.2021
(51) H02M 7/06	(54) SELF-GENERATING DEVICE	(33) China
H02M 5/458	(73) Wu, Wenjing	(51) H02S 20/10
H02M 1/10	(72) WU, Wenjing	(11) EP3641129
(11) EP3635854	HUANG, Yu	(21) EP19202168.1
(21) EP18835447.6	(51) H02P 8/30	(47) 19.06.2024
(47) 19.06.2024	H02P 8/24	(22) 09.10.2019
(87) CN2018096196 24.01.2019	H05K 13/04	(54) ASSEMBLY METHOD FOR MOUNTING A MODULAR ASSEMBLY STRUCTURE AND IN PARTICULAR FOR ASSEMBLING PHOTOVOLTAIC INSTALLATIONS
(22) 19.07.2018	H05K 13/08	(73) Montagebau Karl Göbel Besitz GmbH & Co. KG
(54) THREE-LEVEL VOLTAGE BUS APPARATUS AND METHOD	(11) EP3113354	(72) GÖBEL, Marco
(73) Huawei Digital Power Technologies Co., Ltd.	(21) EP14883762.8	GÖBEL, Karl
(72) YE, Liming	(47) 19.06.2024	(31) 102018125957
DAI, Heping	(87) JP2014054477 03.09.2015	(32) 18.10.2018
(31) 201715653854	(22) 25.02.2014	(33) Germany
(32) 19.07.2017	(54) FEEDER, COMPONENT MOUNTER PROVIDED THEREWITH, AND STEPPING MOTOR CONTROL METHOD	(51) H02S 30/00 F24S 25/60
(33) United States of America	(73) FUJI Corporation	(11) EP3763035
(51) H02M 7/5387	(72) NAKAMURA, Daisuke	(21) EP20706097.1
H02M 3/335	OSAKI, Satoshi	(47) 19.06.2024
H02J 3/50	HARA, Akira	(87) EP2020051969 24.09.2020
H02J 1/10	(51) H02P 21/00	(22) 28.01.2020
H02J 3/48	H02P 21/04	(54) END CLAMP FOR FASTENING A FRAMED PV MODULE
H02J 50/10	H02P 21/22	(73) AEROCOMPACT Group Holding AG
H02M 7/493	(11) EP3186882	(72) MUTHER, Mathias
(11) EP3691104	(21) EP14900548.0	(31) PCT/EP2019/073731
(21) EP18869696.7	(47) 19.06.2024	(32) 05.09.2019
(47) 19.06.2024	(87) US2014053354 03.03.2016	(33) World Intellectual Property Office (WIPO)
(87) CN2018088352 02.05.2019	(22) 29.08.2014	(51) H03F 1/52
(22) 25.05.2018	(54) VARIABLE MAGNETIZATION MACHINE CONTROLLER	H03F 3/24
(54) INVERTER CURRENT EQUALIZING METHOD AND APPARATUS, INVERTER SYSTEM, AND WIRELESS CHARGING SYSTEM	(73) Wisconsin Alumni Research Foundation	H03F 3/195
(73) Huawei Technologies Co., Ltd.	Nissan Motor Co., Ltd	H04B 1/04
(72) MAO, Yunhe	(72) LORENZ, Robert D.	(11) EP3906615
(31) 201711000947	FUKUSHIGE, Takashi	(21) EP20784125.5
(32) 24.10.2017	GAGAS, Brent S.	(47) 19.06.2024
(33) China	KATO, Takashi	(87) KR2020004234 08.10.2020
(51) H02N 2/06	(51) H02P 29/50	
G02B 26/08	H02P 6/10	
G02B 5/08	(11) EP3297156	
G03F 7/00	(21) EP17189021.3	
G02B 5/09	(47) 19.06.2024	

(22) 27.03.2020	LEI, Qin	(87) EP2017065196
(54) VOLTAGE PROTECTION CIRCUIT TO PREVENT POWER AMPLIFIER BURNOUT, AND ELECTRONIC DEVICE HAVING THE SAME	(51) H03K 17/14 G01R 19/00 H03K 17/18	22.02.2018 (22) 21.06.2017 (54) CAPACITIVE SENSOR DEVICE WITH IMPROVED INTERFERENCE TOLERANCE
(73) Samsung Electronics Co., Ltd.	(11) EP4170906	(73) Huf Hülsbeck & Fürst GmbH & Co. KG
(72) CHOI, Hyunseok	(21) EP22199382.7	(72) BEXTERMÖLLER, Hubert
CHO, Namjun	(47) 19.06.2024	(31) 102016115109
NA, Hyoseok	(22) 03.10.2022	(32) 15.08.2016
KIM, Jooseung	(54) CURRENT SENSING IN SWITCHED ELECTRONIC DEVICES	(33) Germany
(31) 20190036993	(73) STMicroelectronics S.r.l.	(51) H03L 7/07
(32) 29.03.2019	(72) CIGNOLI, Marco	H03L 7/22
(33) Korea (Republic)	POLETTO, Vanni	H01Q 3/34
(51) H03G 1/00	(31) 202100026972	(11) EP3955507
H03F 1/22	(32) 20.10.2021	(21) EP19928647.7
H03F 1/32	(33) Italy	(47) 19.06.2024
H03F 3/193	(51) H03K 17/22	(87) JP2019019312
H03G 3/30	G06F 1/24	19.11.2020
(11) EP3751733	(11) EP4007169	(22) 15.05.2019
(21) EP18917874.2	(21) EP20923685.0	(54) PHASE SYNCHRONIZATION DEVICE
(47) 19.06.2024	(47) 19.06.2024	(73) MITSUBISHI ELECTRIC CORPORATION
(87) CN2018086614	(87) CN2020119598	(72) TSUTSUMI, Koji
14.11.2019	07.04.2022	TSURU, Masaomi
(22) 11.05.2018	(22) 30.09.2020	HIRAI, Akihito
(54) AMPLIFIER, AMPLIFYING CIRCUIT AND PHASE SHIFTER	(54) POWER-ON RESET CIRCUIT	IKEDA, Sho
(73) HUAWEI TECHNOLOGIES CO., LTD.	(73) SHENZHEN GOODIX TECHNOLOGY CO., LTD.	(51) H03M 7/30
(72) LU, Lei	(72) YANG, Jiang	H04S 7/00
CUI, Keji	(51) H03K 17/96	G10L 19/008
WANG, Yongli	A61L 2/14	(11) EP3605847
(51) H03H 17/02	(11) EP4030624	(21) EP18784927.8
(11) EP4213382	(21) EP21214711.0	(47) 19.06.2024
(21) EP23154513.8	(47) 19.06.2024	(87) CN2018077790
(47) 19.06.2024	(22) 15.12.2021	18.10.2018
(22) 17.02.2010	(54) TOUCH BUTTON	(22) 01.03.2018
(54) COMPLEX EXPONENTIAL MODULATED FILTER BANK FOR HIGH FREQUENCY RECONSTRUCTION OR PARAMETRIC STEREO PROCESSING	(73) SIEC BADAWCZA LUKASIEWICZ - INSTYTUT MIKROELEKTRONIKI I FOTONIKI	(54) MULTICHANNEL SIGNAL ENCODING METHOD AND APPARATUS
(73) Dolby International AB	(72) Zaraska, Krzysztof	(73) Huawei Technologies Co., Ltd.
(72) EKSTRAND, Per	(31) 43666521	(72) MIAO, Lei
(31) 0900217	(32) 14.01.2021	LIU, Zexin
257105 P	(33) Poland	(31) 201710236773
25710509 P	(51) H03K 17/96	(32) 12.04.2017
(32) 18.02.2009	G06F 3/044	(33) China
02.11.2009	G06F 3/01	(51) H03M 13/03
02.11.2009	G06F 3/041	H03M 13/13
(33) Sweden	(11) EP3900189	H03M 13/45
United States of America	(21) EP19889659.9	(11) EP4208948
United States of America	(47) 19.06.2024	(21) EP21706517.6
(51) H03K 17/10	(87) US2019063219	(47) 19.06.2024
H03K 17/16	04.06.2020	(87) EP2021053710
H01L 29/778	(22) 26.11.2019	25.08.2022
H01L 29/10	(54) PHASE RELATIONSHIP SENSING SYSTEM	(22) 16.02.2021
H01L 29/20	(73) Tactual Labs Co.	(54) AUTOMORPHISM-BASED POLAR ENCODING AND DECODING
H01L 29/06	(72) MOSELEY, Braon	(73) Huawei Technologies Co. Ltd.
(11) EP3905523	(31) 201916268153	(72) PILLET, Charles
(21) EP20172551.2	201862771871 P	BIOGLIO, Valerio
(47) 19.06.2024	(32) 05.02.2019	LAND, Ingmar
(22) 30.04.2020	27.11.2018	(51) H03M 13/11
(54) SWITCHING CIRCUIT, GATE DRIVER AND METHOD OF OPERATING A TRANSISTOR DEVICE	(33) United States of America United States of America	(11) EP4367795
(73) Infineon Technologies Austria AG	(51) H03K 17/96	(21) EP23713376.4
(72) IMAM, Mohamed	H03K 17/955	(47) 19.06.2024
LIU, Chunhui	(11) EP3472935	(87) EP2023057488
KIM, Hyeongnam	(21) EP17731878.9	16.11.2023
CHARLES, Alain	(47) 19.06.2024	(22) 23.03.2023
		(54) OPTIMIZATION OF THE CALCULATION OF MESSAGES BETWEEN BIT AND

CHECK NODES IN A MIN-SUM LDPC DECODING PROCESS	(73) Acacia Communications Incorporated	(22) 16.06.2021
(73) Airbus Defence and Space SAS	(72) Humblet, Pierre	(54) COMMUNICATION METHOD, DEVICE, AND SYSTEM AND COMPUTER READABLE STORAGE MEDIUM
(72) GADAT, Benjamin	(31) 201816109612	(73) Huawei Technologies Co., Ltd.
BARTHE, Lyonel	201816102400	(72) SUN, Huan
(31) 2204540	201862717770 P	(31) 202010604945
(32) 12.05.2022	(32) 22.08.2018	(32) 29.06.2020
(33) France	13.08.2018	(33) China
(51) H03M 13/11	10.08.2018	(51) H04B 7/06
(11) EP4367796	(33) United States of America	H04B 7/08
(21) EP23713377.2	United States of America	(11) EP3155838
(47) 19.06.2024	United States of America	(21) EP15724465.8
(87) EP2023057490	(51) H04B 1/02	(47) 19.06.2024
16.11.2023	H04B 1/06	(87) US2015030197
(22) 23.03.2023	H04B 1/38	17.12.2015
(54) ADAPTIVE SCALING OF CHECK-TO- BIT NODE MESSAGES FOR LDPC DECODING	G01S 13/88	(22) 11.05.2015
(73) Airbus Defence and Space SAS	A61B 5/0507	(54) METHODS AND APPARATUS FOR ADJUSTING PERIODICITY FOR PERFORMING A BEAM SWEEP
(72) GADAT, Benjamin	A61B 5/021	(73) Qualcomm Incorporated
BARTHE, Lyonel	A61B 5/024	(72) SUBRAMANIAN, Sundar
(31) 2204541	A61B 5/00	LI, Junyi
(32) 12.05.2022	(11) EP3897385	HAMPEL, Karl Georg
(33) France	(21) EP19898863.6	SAMPATH, Ashwin
(51) H03M 13/13	(47) 19.06.2024	RYU, Jung Ho
H03M 13/25	(87) US2019067213	(31) 201414301312
H03M 13/27	25.06.2020	(32) 10.06.2014
H03M 13/35	(22) 18.12.2019	(33) United States of America
H04B 7/0413	(54) METHODS AND SYSTEMS FOR RADIO WAVED BASED HEALTH MONITORING THAT UTILIZE AMPLITUDE AND PHASE DATA	(51) H04B 7/06
(11) EP4218141	(73) Movano Inc.	H04L 1/00
(21) EP20797704.2	(72) LEABMAN, Michael A.	H04L 5/00
(47) 19.06.2024	(31) 201962894741 P	H04W 72/51
(87) EP2020079895	201862781523 P	H04W 8/22
28.04.2022	(32) 31.08.2019	H04W 48/16
(22) 23.10.2020	18.12.2018	(11) EP3902178
(54) CODEWORD BIT INTERLEAVING SCHEME FOR MULTILAYER TRANSMISSIONS IN WIRELESS COMMUNICATION SYSTEM	(33) United States of America	(21) EP20738277.1
(73) Huawei Technologies Co. Ltd.	United States of America	(47) 19.06.2024
(72) POPOVIC, Branislav, M.	(51) H04B 3/54	(87) CN2020071529
PEROTTI, Alberto, Giuseppe	H04B 3/56	16.07.2020
(51) H03M 13/13	H04B 1/38	(22) 10.01.2020
H03M 13/29	(11) EP3776881	(54) CAPACITY CONFIGURATION METHOD AND APPARATUS
(11) EP3841673	(21) EP19722163.3	(73) Huawei Technologies Co., Ltd.
(21) EP18769683.6	(47) 19.06.2024	(72) TANG, Zhenfei
(47) 19.06.2024	(87) FR2019050792	ZHOU, Guohua
(87) EP2018074796	10.10.2019	TANG, Hao
19.03.2020	(22) 04.04.2019	LI, Junchao
(22) 13.09.2018	(54) DATA TRANSMISSION DEVICE, DATA RECEPTION DEVICE AND DATA TRANSMISSION SYSTEM	(31) 201910028288
(54) APPARATUSES AND METHODS FOR MAPPING FROZEN SETS BETWEEN PRODUCT CODES AND COMPONENT POLAR CODES	(73) SAFRAN AEROTECHNICS	(32) 11.01.2019
(73) HUAWEI TECHNOLOGIES CO., LTD.	(72) RACIC, Zoran	(33) China
(72) LAND, Ingmar	(31) 1859890	(51) H04B 7/06
BIOGLIO, Valerio	1856510	H04W 16/28
CONDO, Carlo	201862652538 P	H04W 74/08
(51) H03M 13/29	(32) 25.10.2018	(11) EP3381135
H03M 13/27	13.07.2018	(21) EP16794868.6
H03M 13/15	04.04.2018	(47) 19.06.2024
(11) EP3609082	(33) France	(87) US2016059645
(21) EP18213428.8	France	01.06.2017
(47) 19.06.2024	United States of America	(22) 31.10.2016
(22) 18.12.2018	(51) H04B 7/04	(54) BEAMFORMING AND USER EQUIPMENT GROUPING
(54) ARRAY BASED FORWARD ERROR CORRECTION FOR OPTICAL TRANSMISSION	H04B 7/15	(73) Qualcomm Incorporated
	H04L 5/00	(72) CEZANNE, Juergen
	(11) EP4156784	MUKKAVILLI, Krishna, Kiran
	(21) EP21832060.4	LI, Junyi
	(47) 19.06.2024	SAMPATH, Ashwin
	(87) CN2021100367	SUBRAMANIAN, Sundar
	06.01.2022	

ISLAM, Muhammad, Nazmul	H04B 1/3822	(22) 23.11.2021
(31) 201615197523	H01Q 21/06	(54) SECURED CLOCK
201562258937 P	(11) EP4016854	SYNCHRONIZATION IN A PACKET-
(32) 29.06.2016	(21) EP20855296.8	COMPATIBLE NETWORK
23.11.2015	(47) 19.06.2024	(73) Adtran Networks SE
(33) United States of America	(87) CN2020082373	(72) SERGEEV, Andrew
United States of America	25.02.2021	CHO, Joo Yeon
(51) H04B 10/114	(22) 31.03.2020	ZOU, Shihuan
H04B 10/116	(54) RADIO FREQUENCY DEVICE AND	RABINOVICH, Michael
(11) EP4091267	ASSEMBLING METHOD THEREFOR	(51) H04J 3/06
(21) EP21700122.1	(73) Huawei Technologies Co., Ltd.	H04L 41/0668
(47) 19.06.2024	(72) HU, Bin	(11) EP4068659
(87) EP2021050271	PENG, Daqing	(21) EP21738393.4
22.07.2021	CHENG, Zhe	(47) 19.06.2024
(22) 08.01.2021	YUN, Lungang	(87) CN2021070507
(54) LIFI POWER MANAGEMENT	ZHANG, Zhiwei	15.07.2021
(73) Signify Holding B.V.	PENG, Jie	(22) 06.01.2021
(72) WENDT, Matthias	(31) 201910759450	(54) CLOCK PORT ATTRIBUTE RECOVERY
ARULANDU, Karnekumar	(32) 16.08.2019	METHOD, DEVICE, AND SYSTEM
(31) 20151370	(33) China	(73) Huawei Technologies Co., Ltd.
(32) 13.01.2020	(51) H04B 17/309	(72) LI, Hao
(33) European Patent Office (EPO)	H04B 17/27	ZHANG, Yawei
(51) H04B 10/40	H04B 7/00	WANG, Jinhui
H05K 7/20	H04L 5/00	LYU, Jingfei
G02B 6/42	(11) EP3977647	(31) 202010136536
G02B 6/38	(21) EP20728651.9	202010011547
H01R 13/66	(47) 19.06.2024	(32) 02.03.2020
(11) EP3982560	(87) US2020032451	06.01.2020
(21) EP21211648.7	03.12.2020	(33) China
(47) 19.06.2024	(22) 12.05.2020	China
(22) 16.03.2016	(54) METHOD AND APPARATUS FOR	(51) H04J 14/02
(54) THERMAL CONDUCTION SYSTEM	MAXIMUM NUMBER OF PATH LOSS	H04B 10/572
FOR PLUGS IN A CAGE	OR UPLINK SPATIAL TRANSMIT	H04B 10/07
(73) Cisco Technology, Inc.	BEAM REFERENCE SIGNALS FOR	(11) EP3672122
(72) THARP, Keith Frank	DOWNLINK OR UPLINK POSITIONING	(21) EP18932968.3
CHAN, Gary King	REFERENCE SIGNALS	(47) 19.06.2024
CURTIS, George Edward	(73) QUALCOMM INCORPORATED	(87) CN2018109527
(31) 201514661375	(72) MANOLAKOS, Alexandros	16.04.2020
(32) 18.03.2015	AKKARAKARAN, Sony	(22) 09.10.2018
(33) United States of America	(31) 20190100236	(54) CALIBRATION APPARATUS AND
(51) H04B 10/556	202016871889	METHOD, AND WAVELENGTH
G02F 1/00	(32) 30.05.2019	DIVISION MULTIPLEXING SYSTEM
H04B 10/50	11.05.2020	(73) Huawei Technologies Co., Ltd.
H04B 10/61	(33) Greece	(72) DENG, Binlin
H04B 10/516	United States of America	WANG, Lei
(11) EP4075689	(51) H04B 17/318	(51) H04L 1/00
(21) EP20914212.4	H04B 17/345	(11) EP3583712
(47) 19.06.2024	H04W 84/12	(21) EP17710173.0
(87) CN2020115479	H04W 24/08	(47) 19.06.2024
22.07.2021	(11) EP3905760	(87) EP2017055344
(22) 16.09.2020	(21) EP19914733.1	13.09.2018
(54) COHERENT TRANSMITTER, METHOD	(47) 19.06.2024	(22) 07.03.2017
FOR CONTROLLING COHERENT	(87) CN2019113547	(54) METHOD AND APPARATUS
TRANSMITTER, AND COHERENT	20.08.2020	FOR HANDOVER AWARE CQI
TRANSCEIVING SYSTEM	(22) 28.10.2019	ADJUSTMENT IN WIRELESS
(73) Huawei Technologies Co., Ltd.	(54) WIRELESS SIGNAL QUALITY	NETWORKS
(72) SONG, Xiaolu	EVALUATING SYSTEM, AND	(73) Huawei Technologies Co., Ltd.
SUN, Xu	ELECTRONIC DEVICE	(72) AMARA, Mustapha
LI, Rui	(73) Huawei Technologies Co., Ltd.	FEKI, Afef
(31) 202010057408	(72) HUI, Shaobo	MEKKI, Sami
(32) 17.01.2020	(31) 201910112499	(51) H04L 1/00
(33) China	(32) 13.02.2019	(11) EP3767992
(51) H04B 15/02	(33) China	(21) EP18913760.7
G01S 7/02	(51) H04J 3/06	(47) 19.06.2024
H01Q 1/32	H04J 3/14	(87) CN2018082065
H01Q 1/42	(11) EP4184814	10.10.2019
H01Q 17/00	(21) EP21210032.5	(22) 05.04.2018
H01Q 1/52	(47) 19.06.2024	

<p>(54) INFORMATION SENDING METHOD, INFORMATION RECEIVING METHOD, AND DEVICE (73) HUAWEI TECHNOLOGIES CO., LTD. (72) ZHAO, Yue YU, Zheng FEI, Yongqiang</p> <hr/> <p>(51) H04L 1/00 H04L 27/26 H04L 27/01 H04B 7/005 G05F 1/12 G06K 7/01 H02J 3/01 H04W 74/02 (11) EP4164152 (21) EP22202868.0 (47) 19.06.2024 (22) 27.06.2016 (54) ORTHOGONAL TIME FREQUENCY SPACE COMMUNICATION SYSTEM COMPATIBLE WITH OFDM (73) Cohere Technologies, Inc. (72) HADANI, Ronny RAKIB, Shlomo Selim (31) 201562265352 P 201562191468 P 201562185643 P 201562185619 P 201562185617 P (32) 09.12.2015 12.07.2015 28.06.2015 27.06.2015 27.06.2015 (33) United States of America United States of America United States of America United States of America United States of America</p> <hr/> <p>(51) H04L 1/18 (11) EP4035293 (21) EP20790169.5 (47) 19.06.2024 (87) US2020070584 01.04.2021 (22) 25.09.2020 (54) HARQ PROCESS IDENTIFIER DETERMINATION (73) QUALCOMM INCORPORATED (72) HE, Linhai FAKOORIAN, Seyed Ali Akbar JOSEPH, Vinay PRAKASH, Rajat HOSSEINI, Seyedkianoush PHUYAL, Umesh (31) 202016948599 201962906631 P (32) 24.09.2020 26.09.2019 (33) United States of America United States of America</p> <hr/> <p>(51) H04L 1/18 H04W 72/04 H04W 76/14 (11) EP3909176 (21) EP20852851.3 (47) 19.06.2024</p>	<p>(87) KR2020010859 18.02.2021 (22) 14.08.2020 (54) METHOD AND DEVICE FOR PROVIDING HARQ FEEDBACK IN WIRELESS COMMUNICATION SYSTEM (73) Samsung Electronics Co., Ltd. (72) OH, Jinyoung RYU, Hyunseok AGIWAL, Anil YEO, Jeongho (31) 20190099807 (32) 14.08.2019 (33) Korea (Republic) (51) H04L 1/1812 H04L 1/1867 (11) EP3797483 (21) EP18780097.4 (47) 19.06.2024 (87) EP2018076399 02.04.2020 (22) 28.09.2018 (54) DEVICES, METHODS AND COMPUTER PROGRAMS FOR ADAPTIVELY SELECTIVE RETRANSMISSION IN WIRELESS COMMUNICATIONS (73) HUAWEI TECHNOLOGIES CO., LTD. (72) ROBERT SAFAVI, Anahid POPOVIC, Branislav PEROTTI, Alberto Giuseppe (51) H04L 1/1829 H04L 1/20 H04L 1/00 H04L 41/0663 H04L 43/16 H04L 43/0829 H04L 43/0852 H04L 45/28 H04L 45/64 (11) EP3836485 (21) EP19852507.3 (47) 19.06.2024 (87) CN2019101240 27.02.2020 (22) 18.08.2019 (54) SWITCHING METHOD, DEVICE AND TRANSFER CONTROL SEPARATION SYSTEM OF CONTROL PLANE DEVICE (73) HUAWEI TECHNOLOGIES CO., LTD. (72) ZHANG, Yaokun YANG, Pingan (31) 201810969568 (32) 23.08.2018 (33) China (51) H04L 1/1867 H04W 24/10 H04W 76/14 H04W 92/18 H04W 72/02 H04W 72/54 H04L 1/1822 (11) EP4042825 (21) EP20883992.8 (47) 19.06.2024 (87) KR2020015506 14.05.2021 (22) 06.11.2020</p>	<p>(54) METHOD AND APPARATUS FOR SELECTING A SIDELINK RESOURCE FOR A SIDELINK CSI REPORTING IN A WIRELESS COMMUNICATION SYSTEM (73) LG Electronics Inc. (72) LEE, Jongyoul LEE, Youngdae PARK, Giwon (31) 20190142103 (32) 07.11.2019 (33) Korea (Republic) (51) H04L 1/24 G08B 3/10 G08B 29/12 (11) EP4228187 (21) EP22161941.4 (47) 19.06.2024 (22) 14.03.2022 (54) INTEGRITY TESTS FOR MIXED ANALOG DIGITAL SYSTEMS (73) Aptiv Technologies AG (72) DONNER, Olaf KUNNERT, Tammo (31) 202263268055 P (32) 15.02.2022 (33) United States of America (51) H04L 5/00 (11) EP3920453 (21) EP21159881.8 (47) 19.06.2024 (22) 01.03.2021 (54) SYSTEM AND METHOD FOR PHYSICAL DOWNLINK CONTROL CHANNEL MONITORING BASED ON USER EQUIPMENT CAPABILITY IN DUAL CONNECTIVITY (73) Samsung Electronics Co., Ltd. (72) BAE, Jung Hyun SABER, Hamid (31) 202017029853 202063033193 P (32) 23.09.2020 01.06.2020 (33) United States of America United States of America (51) H04L 5/00 (11) EP3949239 (21) EP20722726.5 (47) 19.06.2024 (87) US2020026212 08.10.2020 (22) 01.04.2020 (54) PSCCH CONTROL CHANNEL DESIGN FOR NR V2X SIDELINK COMMUNICATION AND PSCCH DMRS PHYSICAL STRUCTURES (73) Apple Inc. (72) BALTAR, Leonardo Gomes SHILOV, Mikhail ROTH, Kilian KHORYAEV, Alexey PANTELEEV, Sergey (31) 201962827748 P (32) 01.04.2019 (33) United States of America (51) H04L 5/00 G01S 5/02 (11) EP4158832</p>
---	--	---

(21) EP21735005.7	H04B 7/0413	(73) HUAWEI TECHNOLOGIES CO., LTD.
(47) 19.06.2024	(11) EP3136630	(72) LI, Xinxian
(87) US2021033932	(21) EP15782378.2	TANG, Hao
02.12.2021	(47) 19.06.2024	WANG, Ting
(22) 24.05.2021	(87) JP2015002113	TANG, Zhenfei
(54) POSITIONING MEASUREMENT	29.10.2015	(31) 201811303750
DERIVATION BASED ON A DECODED	(22) 17.04.2015	(32) 02.11.2018
PHYSICAL DOWNLINK CHANNEL AND	(54) TRANSMITTING APPARATUS	(33) China
CORRESPONDING MEASUREMENT	(73) Panasonic Intellectual Property	<hr/>
LATENCY	Corporation of America	(51) H04L 5/00
(73) QUALCOMM INCORPORATED	(72) MURAKAMI, Yutaka	H04W 76/19
(72) SUNDARARAJAN, Jay Kumar	KIMURA, Tomohiro	H04W 76/15
DUAN, Weimin	OUCHI, Mikihiko	H04L 1/08
BHUSHAN, Naga	(31) 2014105006	H04L 1/18
MANOLAKOS, Alexandros	2014090477	H04L 1/1829
KWON, Hwan Joon	(32) 21.05.2014	H04L 1/1867
CHEN, Wanshi	24.04.2014	H04W 76/22
SRIDHARAN, Gokul	(33) Japan	H04W 80/02
MUKKAVILLI, Krishna Kiran	Japan	(11) EP3913840
(31) 20200100286	<hr/>	(21) EP20756624.1
(32) 28.05.2020	(51) H04L 5/00	(47) 19.06.2024
(33) Greece	H04W 8/24	(87) CN2020075144
<hr/>	H04W 88/02	20.08.2020
(51) H04L 5/00	H04W 72/23	(22) 13.02.2020
H04L 1/00	H04W 74/08	(54) METHOD AND APPARATUS FOR
H04B 7/06	H04W 74/0833	PROCESSING ESTABLISHMENT OF
(11) EP3700153	(11) EP4207818	ENTITIES
(21) EP17928888.1	(21) EP20954361.0	(73) Huawei Technologies Co., Ltd.
(47) 19.06.2024	(47) 19.06.2024	(72) CAO, Zhenzhen
(87) JP2017037737	(87) CN2020116792	XU, Xiaoying
25.04.2019	31.03.2022	NI, Hui
(22) 18.10.2017	(22) 22.09.2020	HUANG, Qufang
(54) COMMUNICATION DEVICE	(54) INFORMATION TRANSMISSION	(31) 201910117738
(73) NTT DOCOMO, INC.	METHOD, DEVICES, AND STORAGE	(32) 15.02.2019
(72) YOSHIOKA, Shohei	MEDIUM	(33) China
TAKEDA, Kazuki	(73) GUANGDONG OPPO MOBILE	<hr/>
NAGATA, Satoshi	TELECOMMUNICATIONS CORP., LTD.	(51) H04L 9/00
<hr/>	(72) HE, Chuanfeng	H04L 9/08
(51) H04L 5/00	<hr/>	H04L 9/30
H04L 25/02	(51) H04L 5/00	H04L 9/32
(11) EP3416326	H04W 72/04	G06Q 20/06
(21) EP16892368.8	H04B 1/713	G06Q 20/40
(47) 19.06.2024	(11) EP3579475	G06Q 40/04
(87) CN2016107541	(21) EP17894743.8	(11) EP3979553
08.09.2017	(47) 19.06.2024	(21) EP21210931.8
(22) 28.11.2016	(87) CN2017077934	(47) 19.06.2024
(54) METHOD AND APPARATUS FOR	09.08.2018	(22) 04.06.2018
SENDING SIGNALS	(22) 23.03.2017	(54) CREDENTIAL GENERATION AND
(73) Huawei Technologies Co., Ltd.	(54) INFORMATION TRANSMISSION	DISTRIBUTION METHOD AND
(72) HU, Yupeng	METHOD AND DEVICE	SYSTEM FOR A BLOCKCHAIN
(31) 201610122094	(73) ZTE Corporation	NETWORK
(32) 03.03.2016	(72) HAN, Xianghui	(73) nChain Licensing AG
(33) China	LIANG, Chunli	(72) DESTEFANIS, Giuseppe
<hr/>	REN, Min	MOTYLINSKI, Patrick
(51) H04L 5/00	ZHANG, Wen	VINCENT, Stephane
H04L 27/00	SHI, Jing	MADEO, Simone
H04W 48/02	XIA, Shuqiang	(31) 201709096
(11) EP4178147	(31) 201710064583	201709097
(21) EP22214358.8	(32) 04.02.2017	(32) 07.06.2017
(47) 19.06.2024	(33) China	07.06.2017
(22) 09.08.2013	<hr/>	(33) United Kingdom
(54) TD LTE SECONDARY COMPONENT	(51) H04L 5/00	United Kingdom
CARRIER IN UNLICENSED BANDS	H04W 72/0453	<hr/>
(73) Maliek Innovations Limited	(11) EP3855837	(51) H04L 9/00
(72) BONTU, Chandra Sekhar	(21) EP19878306.0	H04L 9/32
PERIYALWAR, Shalini Suresh	(47) 19.06.2024	(11) EP4178151
(31) 201213572092	(87) CN2019115104	(21) EP22214579.9
(32) 10.08.2012	07.05.2020	(47) 19.06.2024
(33) United States of America	(22) 01.11.2019	(22) 11.09.2018
<hr/>	(54) COMMUNICATION METHOD AND	(54) METHODS AND DEVICES FOR
(51) H04L 5/00	APPARATUS	INCREASING ENTROPY OF A
H04L 27/26		

<p>BLOCKCHAIN USING BLINDED OUTCOME DIVERSIFICATION (73) nChain Licensing AG (72) BERNAT, Pauline BARTOLUCCI, Silvia JOSEPH, Daniel WRIGHT, Craig Steven (31) 201714907 (32) 15.09.2017 (33) United Kingdom <hr/>(51) H04L 9/06 H04L 9/08 (11) EP4037247 (21) EP21153846.7 (47) 19.06.2024 (22) 27.01.2021 (54) METHOD AND SYSTEM FOR QUANTUM KEY DISTRIBUTION (73) Terra Quantum AG (72) Kronberg, Dmitry <hr/>(51) H04L 9/06 H04L 9/12 (11) EP3832946 (21) EP20200701.9 (47) 19.06.2024 (22) 08.10.2020 (54) METHOD AND SYSTEM OF AUTHENTICATED ENCRYPTION AND DECRYPTION (73) Aptiv Technologies AG (72) Yarlagadda, Sriram Abhyankar, Ranjit V. P, Akhila Lekkala, Madhurima (31) 201916701261 (32) 03.12.2019 (33) United States of America <hr/>(51) H04L 9/08 H04L 9/06 H04L 9/14 H04L 9/40 H04L 67/565 H04L 9/32 (11) EP4022842 (21) EP20858832.7 (47) 19.06.2024 (87) US2020047760 04.03.2021 (22) 25.08.2020 (54) PROVISIONING METHOD AND SYSTEM WITH MESSAGE CONVERSION (73) Visa International Service Association (72) BELLENGER, Thomas PATTERSON, Barbara (31) 201916554955 (32) 29.08.2019 (33) United States of America <hr/>(51) H04L 9/08 H04L 9/32 (11) EP4170963 (21) EP22215515.2 (47) 19.06.2024 (22) 16.10.2020 (54) SYSTEMS AND METHODS FOR QUANTUM-SECURED, PRIVATE- PRESERVING COMPUTATIONS</p>	<p>(73) The Trustees Of The Stevens Institute Of Technology (72) HUANG, Yuping NGUYEN, Lac Thi Thanh (31) 201962923322 P (32) 18.10.2019 (33) United States of America <hr/>(51) H04L 9/08 H04L 9/32 H04L 9/40 (11) EP3349393 (21) EP17207282.9 (47) 19.06.2024 (22) 30.06.2016 (54) MUTUAL AUTHENTICATION OF CONFIDENTIAL COMMUNICATION (73) Visa International Service Association (72) LE SAINT, Eric (31) 201562187125 P (32) 30.06.2015 (33) United States of America <hr/>(51) H04L 9/32 H04L 9/08 H04L 9/00 H04L 9/40 H04L 67/565 (11) EP4169207 (21) EP21762380.0 (47) 19.06.2024 (87) EP2021071967 24.02.2022 (22) 06.08.2021 (54) METHOD, DEVICES AND SYSTEM FOR EXCHANGING DATA BETWEEN A DISTRIBUTED DATABASE SYSTEM AND DEVICES (73) Siemens Aktiengesellschaft (72) MORRA, Carlos (31) 20192061 (32) 21.08.2020 (33) European Patent Office (EPO) <hr/>(51) H04L 9/40 (11) EP3840329 (21) EP21154823.5 (47) 19.06.2024 (22) 26.09.2014 (54) DETECTING AND PREVENTING MAN- IN-THE-MIDDLE ATTACKS ON AN ENCRYPTED CONNECTION (73) Juniper Networks, Inc. (72) ADAMS, Kyle (31) 201314042042 (32) 30.09.2013 (33) United States of America <hr/>(51) H04L 9/40 (11) EP3713188 (21) EP19163812.1 (47) 19.06.2024 (22) 19.03.2019 (54) METHOD AND APPARATUS FOR DATA TRANSMISSION BETWEEN TWO NETWORKS (73) Siemens Mobility GmbH (72) Seifert, Matthias Falk, Rainer Bauer, Christian Wimmer, Martin</p>	<p>(51) H04L 9/40 (11) EP4272377 (21) EP22835486.6 (47) 19.06.2024 (87) IB2022061926 13.07.2023 (22) 08.12.2022 (54) NETWORK ADAPTIVE ALERT PRIORITIZATION SYSTEM (73) PALO ALTO NETWORKS (ISRAEL ANALYTICS) LTD. (72) BRAILOVSKY, Rony MESHI, Yinnon ITZHAK, Gal ALLON, Jonathan DAHAN, Asaf SELA, Niv (31) 202217571558 (32) 10.01.2022 (33) United States of America <hr/>(51) H04L 9/40 G06F 21/34 G06F 21/36 G06F 21/43 G06F 21/35 G06Q 20/32 G06Q 20/40 (11) EP2643787 (21) EP11808911.9 (47) 19.06.2024 (87) GB2011052320 31.05.2012 (22) 25.11.2011 (54) HANDLING ENCODED INFORMATION (73) Ensygnia IP Limited (72) HARRIS, Richard H. (31) 201020025 (32) 25.11.2010 (33) United Kingdom <hr/>(51) H04L 9/40 G06F 21/56 (11) EP4222923 (21) EP21785813.3 (47) 19.06.2024 (87) EP2021076482 07.04.2022 (22) 27.09.2021 (54) MALWARE INFECTION MITIGATION OF CRITICAL COMPUTER SYSTEMS (73) British Telecommunications public limited company (72) WANG, Xiao-Si HOCKING, Conor (31) 202015374 (32) 29.09.2020 (33) United Kingdom <hr/>(51) H04L 9/40 G06F 21/57 G06F 21/70 (11) EP3949331 (21) EP20722798.4 (47) 19.06.2024 (87) US2020026722 08.10.2020 (22) 03.04.2020 (54) VERIFYING THE TRUST-WORTHINESS OF A PHYSICAL HOST UNDERLYING A VIRTUAL NETWORK ELEMENT</p>
--	--	---

(73) Fraunhofer Institute for Secure Information Technology Cisco Technology, Inc.	H04W 12/60 H04W 12/106 H04W 12/00	25.04.2018 (33) India India
(72) BIRKHOLTZ, Henk VOIT, Eric FUCHS, Andreas	H04W 12/04 (11) EP3744067 (21) EP19768173.7	(51) H04L 9/40 H04W 12/037 H04W 12/0431
(31) 201962828992 P (32) 03.04.2019 (33) United States of America	(47) 19.06.2024 (87) KR2019002560 19.09.2019	(11) EP3902299 (21) EP20171423.5 (47) 19.06.2024 (2) 24.04.2020
(51) H04L 9/40 H04L 9/00 H04L 9/08 H04L 9/32	(22) 06.03.2019 (54) METHOD AND APPARATUS FOR MANAGING USER AUTHENTICATION IN A BLOCKCHAIN NETWORK	(54) APPARATUS, METHOD, AND COMPUTER PROGRAM (73) Nokia Technologies Oy (72) Casati, Alessio
(11) EP3707872 (21) EP18800331.3 (47) 19.06.2024 (87) IB2018058491 16.05.2019	(73) Samsung Electronics Co., Ltd. (72) SHARMA, Abhishek KARIVEDALA, Sravana Kumar SHANBHAG, Amogha D PATKAR, Deepraj Prabhakar CHANNA, Ashok Babu TUKKA, Vijaya Kumar KUMAR, Vinay	(51) H04L 12/14 H04M 15/00 H04W 4/24 (11) EP3834154 (21) EP19846065.1 (47) 19.06.2024 (87) US2019045800 13.02.2020
(22) 30.10.2018 (54) SYSTEMS AND METHODS FOR ENSURING CORRECT EXECUTION OF COMPUTER PROGRAM USING A MEDIATOR COMPUTER SYSTEM	(31) 201841009595 201841009595 (32) 11.01.2019 15.03.2018	(22) 08.08.2019 (54) SPLIT BILLING FOR A USER ACROSS MULTIPLE BILLING SYSTEMS (73) T-Mobile USA, Inc. (72) SHAH, Mehul (31) 201816058956 (32) 08.08.2018 (33) United States of America
(73) nChain Licensing AG (72) COVACI, Alexandra VINCENT, Stephane MOTYLINSKI, Patrick MADEO, Simone	(33) India India	(51) H04L 12/14 H04W 4/24 H04M 15/00 (11) EP3389218 (21) EP16881055.4 (47) 19.06.2024 (87) CN2016111340 06.07.2017 (22) 21.12.2016 (54) DATA SERVICE CHARGING METHOD, DEVICE AND SYSTEM (73) Huawei Technologies Co., Ltd. (72) CHAI, Xiaoqian (31) 201610178261 201511028359
(31) 201806444 201805948 201720946 201720768 201719998 201718505	(51) H04L 9/40 H04L 12/40 (11) EP3596654 (21) EP18767158.1 (47) 19.06.2024 (87) US2018019699 20.09.2018	(32) 08.08.2018 (33) United States of America (51) H04L 12/14 H04W 4/24 H04M 15/00 (11) EP3389218 (21) EP16881055.4 (47) 19.06.2024 (87) CN2016111340 06.07.2017 (22) 21.12.2016 (54) DATA SERVICE CHARGING METHOD, DEVICE AND SYSTEM (73) Huawei Technologies Co., Ltd. (72) CHAI, Xiaoqian (31) 201610178261 201511028359
(32) 20.04.2018 10.04.2018 15.12.2017 13.12.2017 30.11.2017 09.11.2017	(22) 26.02.2018 (54) COMMUNICATIONS BUS SIGNAL FINGERPRINTING (73) Cylance Inc. (72) CAREY, Mark BATHURST, Donald	(21) EP16881055.4 (47) 19.06.2024 (87) CN2016111340 06.07.2017 (22) 21.12.2016 (54) DATA SERVICE CHARGING METHOD, DEVICE AND SYSTEM (73) Huawei Technologies Co., Ltd. (72) CHAI, Xiaoqian (31) 201610178261 201511028359
(33) United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom	(31) 201715462591 (32) 17.03.2017 (33) United States of America	(22) 21.12.2016 (54) DATA SERVICE CHARGING METHOD, DEVICE AND SYSTEM (73) Huawei Technologies Co., Ltd. (72) CHAI, Xiaoqian (31) 201610178261 201511028359
(51) H04L 9/40 H04L 9/08	(51) H04L 9/40 H04L 67/125 H04L 67/565 H04L 9/32 H04L 9/00	(32) 25.03.2016 31.12.2015 (33) China China
(11) EP3684006 (21) EP18855811.8 (47) 19.06.2024 (87) JP2018034321 21.03.2019	G06N 3/084 G06N 5/01 G06N 20/20 G06N 3/048 G06N 5/025	(51) H04L 12/46 H04L 45/50 H04L 45/74 H04L 45/02 H04L 45/00
(22) 18.09.2018 (54) COMMUNICATION SYSTEM, FIRST COMMUNICATION DEVICE, SECOND COMMUNICATION DEVICE, METHOD, AND COMPUTER PROGRAM	(11) EP3750115 (21) EP19791853.5 (47) 19.06.2024 (87) KR2019005034 31.10.2019	(11) EP4106281 (21) EP22170027.1 (47) 19.06.2024 (22) 25.07.2016 (54) VIRTUAL PRIVATE NETWORK VPN SERVICE OPTIMIZATION METHOD AND DEVICE (73) Huawei Technologies Co., Ltd. (72) CHEN, Shuanglong WANG, Haibo CHE, Jia ZHUANG, Shunwan LI, Zhenbin XU, Haijun
(73) NTI, Inc. (72) NAKAMURA, Takatoshi (31) 2017178351 (32) 15.09.2017 (33) Japan	(22) 25.04.2019 (54) MACHINE LEARNING ON A BLOCKCHAIN (73) Samsung Electronics Co., Ltd. (72) BOSE, Joy SINGLA, Kushal KATARIYA, Sharvil Manish	(22) 25.07.2016 (54) VIRTUAL PRIVATE NETWORK VPN SERVICE OPTIMIZATION METHOD AND DEVICE (73) Huawei Technologies Co., Ltd. (72) CHEN, Shuanglong WANG, Haibo CHE, Jia ZHUANG, Shunwan LI, Zhenbin XU, Haijun
(51) H04L 9/40 H04L 9/32 H04L 9/06 H04L 9/00 H04W 12/06	(31) 201841015708 201841015708 (32) 24.04.2019	(22) 25.07.2016 (54) VIRTUAL PRIVATE NETWORK VPN SERVICE OPTIMIZATION METHOD AND DEVICE (73) Huawei Technologies Co., Ltd. (72) CHEN, Shuanglong WANG, Haibo CHE, Jia ZHUANG, Shunwan LI, Zhenbin XU, Haijun

(31) 201610064284	(51) H04L 41/022	(21) EP19215751.9
(32) 29.01.2016	H04L 41/082	(47) 19.06.2024
(33) China	H04L 41/08	(22) 12.12.2019
(51) H04L 27/26	H04L 41/0895	(54) SEQUENCE, FREQUENCY, AND
H04L 5/00	H04L 41/0897	TIME INTERVAL BASED JOURNEY
(11) EP3955535	H04L 41/40	RECOMMENDATION
(21) EP20799142.3	H04L 41/084	(73) Accenture Global Solutions Limited
(47) 19.06.2024	H04L 41/0853	(72) GARG, Elfin
(87) CN2020083259	(11) EP4213456	SACHDEVA, Ruchika
05.11.2020	(21) EP23160669.0	ADHIKARY, Samik
(22) 03.04.2020	(47) 19.06.2024	PIELAK- WATKINS, Daniel
(54) METHOD FOR GENERATING	(22) 05.12.2018	GUPTA, Payal
REFERENCE SIGNAL, METHOD FOR	(54) AUTOMATED NETWORK CHANGE	PURI, Nakul
DETECTING REFERENCE SIGNAL,	SYSTEM	ARORA, Kusha
AND COMMUNICATION APPARATUS	(73) Google LLC	GUPTA, Nilesh Kumar
(73) HUAWEI TECHNOLOGIES CO., LTD.	(72) VAHDAT, Amin	(31) 201916297314
(72) WANG, Yi	ONG, Joon	(32) 08.03.2019
SHI, Zhenyu	GRIBBLE, Steven	(33) United States of America
(31) 201910351359	FERGUSON, Andrew DeBock	(51) H04L 41/147
(32) 28.04.2019	BANNAL, Vinay Kumar	H04L 41/5025
(33) China	ECHEVARRIA, Alvaro Martinez	H04L 41/40
(51) H04L 27/26	TARIQ, Muhammad Mukarram	H04L 41/16
H04L 5/00	LIN, Alexander Jinhon	(11) EP3935787
H04W 64/00	ZHANG, Zengbin	(21) EP19710646.1
(11) EP3998751	KOMURAVELLI, Anvesh	(47) 19.06.2024
(21) EP20851485.1	BALAN, Horia Vlad	(87) EP2019055757
(47) 19.06.2024	(31) 201762594990 P	10.09.2020
(87) KR2020010835	(32) 05.12.2017	(22) 07.03.2019
18.02.2021	(33) United States of America	(54) METHOD, CONTROL UNIT
(22) 14.08.2020	(51) H04L 41/0853	AND NETWORK NODE FOR
(54) METHOD FOR TRANSMITTING/	H04L 41/0806	CONFIGURATION IN A WIRELESS
RECEIVING SIGNAL IN WIRELESS	H04L 41/12	COMMUNICATION SYSTEM
COMMUNICATION SYSTEM AND	H04L 69/24	(73) Sago Strategic Solutions LLC
DEVICE SUPPORTING SAME	H04L 41/342	(72) ALABBASI, Abdulrahman
(73) LG Electronics Inc.	H04L 41/0895	VANDIKAS, Konstantinos
(72) CHA, Hyunso	(11) EP3573303	(51) H04L 45/02
KO, Hyunsoo	(21) EP17896035.7	H04L 45/12
YOON, Sukhyon	(47) 19.06.2024	H04L 45/64
KIM, Byoungsoon	(87) CN2017073117	H04L 45/00
(31) 20190120389	16.08.2018	(11) EP3515021
20190099653	(22) 08.02.2017	(21) EP16922644.6
201962936614 P	(54) FORWARDER NETWORK-ACCESS	(47) 19.06.2024
(32) 30.09.2019	RECOGNITION METHOD, SDN	(87) CN2016108427
14.08.2019	CONTROLLER, AND FORWARDER	07.06.2018
18.11.2019	(73) Huawei Technologies Co., Ltd.	(22) 02.12.2016
(33) Korea (Republic)	(72) ZHANG, Yanhua	(54) JOINT ROUTE ESTABLISHMENT
Korea (Republic)	SHI, Shuguang	METHOD AND SYSTEM
United States of America	NING, Yilin	(73) Huawei Technologies Co., Ltd.
(51) H04L 27/34	(51) H04L 41/0894	(72) QIAO, Guangyi
H04L 1/00	H04W 8/24	SHI, Lei
H04W 52/24	H04W 36/00	(51) H04L 45/24
(11) EP3714582	H04W 8/26	H04L 12/437
(21) EP18886819.4	(11) EP3720048	H04J 3/16
(47) 19.06.2024	(21) EP18889766.4	H04L 45/28
(87) CN2018119202	(47) 19.06.2024	H04L 45/00
13.06.2019	(87) CN2018120226	H04L 47/41
(22) 04.12.2018	20.06.2019	(11) EP3537670
(54) SEMI-ORTHOGONAL MULTIPLE	(22) 11.12.2018	(21) EP17875835.5
ACCESS WITH POWER-ADAPTIVE	(54) USER POLICY ACQUISITION	(47) 19.06.2024
CONSTELLATION	(73) HUAWEI TECHNOLOGIES CO., LTD.	(87) CN2017102522
(73) Huawei Technologies Co., Ltd.	(72) ZHU, Fangyuan	07.06.2018
(72) AU, Kwok Shum	LI, Yan	(22) 20.09.2017
JIA, Jia	(31) 201711330705	(54) PROTECTION SWITCHING METHOD,
SUH, Jung Hoon	(32) 13.12.2017	NETWORK DEVICE, AND SYSTEM
ABOUL-MAGD, Osama	(33) China	(73) Huawei Technologies Co., Ltd.
(31) 201715835218	(51) H04L 41/14	(72) HUANG, Jing
(32) 07.12.2017	H04L 41/0823	ZHA, Min
(33) United States of America	(11) EP3706369	ZHONG, Qiwen

(31) 201611096716	H04L 47/2416	(73) Microsoft Technology Licensing, LLC
(32) 02.12.2016	(11) EP4037270	(72) STUBLEY, Peter
(33) China	(21) EP20885686.4	VOZILA, Paul Joseph
(51) H04L 45/50	(47) 19.06.2024	LIU, Ding
H04L 45/28	(87) CN2020119911	BEAUMONT, Jean-Francois
H04L 45/24	14.05.2021	GANONG, William
(11) EP4068700	(22) 09.10.2020	(31) 201816192245
(21) EP20910608.7	(54) SERVICE TRAFFIC ADJUSTING	(32) 15.11.2018
(47) 19.06.2024	METHOD AND APPARATUS	(33) United States of America
(87) CN2020119037	(73) Huawei Technologies Co. Ltd.	(51) H04L 61/5007
08.07.2021	(72) WANG, Tongtong	(11) EP4018628
(22) 29.09.2020	CHEN, Lihao	(21) EP20743801.1
(54) METHOD AND APPARATUS	ZHANG, Jiayi	(47) 19.06.2024
FOR PROCESSING ROUTING	(31) 201911088713	(87) IB2020055867
INFORMATION	(32) 08.11.2019	25.02.2021
(73) Huawei Technologies Co., Ltd.	(33) China	(22) 22.06.2020
(72) FANG, Sheng	(51) H04L 47/62	(54) INTERNET PROTOCOL ADDRESS
WANG, Lili	H04L 47/2441	ALLOCATION FOR INTEGRATED
LI, Wenyan	H04L 47/26	ACCESS AND BACKHAUL NODES
WEN, Huizhi	H04L 47/30	(73) Telefonaktiebolaget LM Ericsson (publ)
WANG, Haibo	(11) EP3687125	(72) MILDH, Gunnar
(31) 201911403419	(21) EP18866966.7	(31) 201962890577 P
(32) 31.12.2019	(47) 19.06.2024	(32) 22.08.2019
(33) China	(87) CN2018106164	(33) United States of America
(51) H04L 47/125	18.04.2019	(51) H04L 65/10
H04L 49/1515	(22) 18.09.2018	(11) EP4229784
H04L 45/12	(54) CONGESTION FLOW IDENTIFICATION	(21) EP21766533.0
H04L 45/00	METHOD AND NETWORK DEVICE	(47) 19.06.2024
H04L 47/11	(73) Huawei Technologies Co., Ltd.	(87) IL2021051054
H04L 47/28	(72) CAO, Zheng	21.04.2022
(11) EP3713164	HU, Nongda	(22) 29.08.2021
(21) EP18883154.9	LIU, Xiaoli	(54) SYSTEM AND METHOD
(47) 19.06.2024	(31) 201710944894	FOR PROVIDING VOICE
(87) CN2018118385	(32) 11.10.2017	COMMUNICATION SESSIONS
06.06.2019	(33) China	BETWEEN COMMUNICATION
(22) 30.11.2018	(51) H04L 49/15	DEVICES
(54) DATA SCHEDULING METHOD AND	H04L 12/46	(73) ECHO SMARTLAB GMBH
TOR SWITCH	H04L 45/74	(72) PONOMAREV, Vladimir
(73) Huawei Technologies Co., Ltd.	(11) EP3437259	DROZHILKIN, Sergei Vladimirovich
(72) XU, Cong	(21) EP17776690.4	MIKHAYLOV, Nikolay Nikolaevich
YUAN, Tingqiu	(47) 19.06.2024	(31) 202017069395
HUANG, Tao	(87) US2017025138	(32) 13.10.2020
(31) 201711242840	05.10.2017	(33) United States of America
(32) 30.11.2017	(22) 30.03.2017	(51) H04L 65/10
(33) China	(54) INTERWORKING BETWEEN PHYSICAL	(11) EP4248634
(51) H04L 47/20	NETWORK AND VIRTUAL NETWORK	(21) EP21810806.6
H04L 47/2425	(73) Alibaba Group Holding Limited	(47) 19.06.2024
H04L 47/2475	(72) ZHU, Xiaoping	(87) US2021056004
H04W 28/02	NA, Na	27.05.2022
H04W 28/24	ZHOU, Zhiyuan	(22) 21.10.2021
H04W 28/12	(31) 201610195845	(54) SYSTEMS AND METHODS FOR
(11) EP3440867	(32) 31.03.2016	HANDLING A TELEPHONY
(21) EP16718073.6	(33) China	COMMUNICATION SETUP REQUEST
(47) 19.06.2024	(51) H04L 51/18	(73) Vonage Business Inc.
(87) US2016025922	H04L 51/02	(72) PASSAL, Assaf
12.10.2017	H04L 51/04	SHOUSHAN, Roy, Ben
(22) 04.04.2016	G10L 15/18	(31) 202017101333
(54) CONTEXT AWARE QOS/QOE POLICY	H04M 3/493	(32) 23.11.2020
PROVISIONING AND ADAPTATION IN	H04M 11/00	(33) United States of America
5G SYSTEMS	H04L 51/00	(51) H04L 65/1093
(73) Nokia Technologies Oy	(11) EP3881317	H04L 65/403
(72) VULKAN, Csaba	(21) EP19884079.5	(11) EP3935799
IISAKKILA, Kaisu	(47) 19.06.2024	(21) EP19712056.1
SZILAGYI, Peter	(87) US2019061772	(47) 19.06.2024
(51) H04L 47/2441	22.05.2020	(87) SE2019050200
H04L 47/26	(22) 15.11.2019	10.09.2020
H04L 47/10	(54) SYSTEM AND METHOD FOR	(22) 07.03.2019
H04L 47/283	ACCELERATING USER AGENT CHATS	

(54) NETWORK NODES AND METHODS PERFORMED THEREIN FOR HANDLING CALL INFORMATION FOR A USER EQUIPMENT	(32) 20.06.2018 08.11.2017 (33) United States of America United States of America	09.05.2019 (22) 29.10.2018 (54) PLANNING METHOD FOR EXPRESS LANE AND UNIT
(73) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	(51) H04L 67/10 H04L 67/60 H04L 65/40	(73) Huawei Technologies Co., Ltd. (72) WANG, Tizheng YU, Qi
(72) HEGARTY, Charles GONZALEZ DE LANGARICA, Ester	(11) EP4007232	(31) 201711078455
(51) H04L 65/403	(21) EP20891970.4	(32) 06.11.2017
(11) EP4024791	(47) 19.06.2024	(33) China
(21) EP20865499.6	(87) CN2020128420	(51) H04L 69/12
(47) 19.06.2024	03.06.2021	H04W 4/80
(87) CN2020115693	(22) 12.11.2020	H04R 27/00
25.03.2021	(54) RESOURCE SCHEDULING METHOD, APPARATUS AND SYSTEM	H04W 52/02 H04W 84/18
(22) 16.09.2020	(73) ZTE Corporation	(11) EP3679763
(54) DATA STREAM TYPE IDENTIFICATION METHOD AND RELATED DEVICES	(72) TANG, Bo WANG, Kewen	(21) EP18854755.8 (47) 19.06.2024
(73) Huawei Technologies Co., Ltd.	(31) 201911192927	(87) US2018049748
(72) SI, Xiaoyun HU, Xinyu WU, Jun WANG, Yali	(32) 28.11.2019 (33) China	(2) 06.09.2018
(31) 201910872990	(51) H04L 67/12	(54) BLUETOOTH DATA FORWARDING
(32) 16.09.2019	H04W 4/70	(73) Texas Instruments Incorporated
(33) China	H04L 67/303	(72) COHEN, Liran LOEWY, Chen ZIV, Dotan MALOVANY, Ram GERSI, Lior
(51) H04L 67/02 H04L 67/1004 H04L 67/12 H04L 67/00	H04L 69/24 H04L 67/51 H04L 67/52 H04W 4/02	(31) 201715696902 (32) 06.09.2017 (33) United States of America
H04L 67/568	(11) EP3823249	(51) H04L 69/18
H04L 67/60	(21) EP20179930.1	(11) EP4075764
H04W 4/40	(47) 19.06.2024	(21) EP22162002.4
H04W 4/50	(22) 15.06.2020	(47) 19.06.2024
H04W 4/70	(54) DISCOVERY OF IOT DEVICES AND SUBSEQUENT CAPABILITY INFORMATION EXCHANGE FOR INVOKING FUNCTIONS CORRESPONDING TO CAPABILITIES OF SAID IOT DEVICES	(22) 15.03.2022
(11) EP4322502	(73) Beijing Xiaomi Mobile Software Co., Ltd.	(54) ESTABLISHING TUNNELING CONNECTION OVER RESTRICTIVE NETWORKS
(21) EP23162702.7	(72) HUA, Chengping LI, Zheng	(73) BlackBerry Limited (72) TANG, Yu HENNEBURY, Liam SPENCER, Bradford Lawrence
(47) 19.06.2024	(31) 201911130245	(31) 202117232014
(22) 17.03.2023	(32) 18.11.2019 (33) China	(32) 15.04.2021
(54) INTERNET-OF-VEHICLES BASED TRAFFIC SCHEDULING METHOD AND APPARATUS, DEVICE AND MEDIUM	(51) H04L 67/14	(33) United States of America
(73) Chongqing Changan New Energy Vehicles Technology Co., Ltd	H04L 45/302 H04L 45/00	(51) H04L 69/40
(72) WU, Zhijun	(11) EP3841727	(11) EP4064638
(31) 202210965928	(21) EP19720844.0	(21) EP21164231.9
(32) 12.08.2022	(47) 19.06.2024	(47) 19.06.2024
(33) China	(87) EP2019060899	(22) 23.03.2021
(51) H04L 67/10 H04L 49/1546 G06F 13/40 H04L 49/90	27.02.2020	(54) HIGHLY AVAILABLE DELIVERY OF ORDERED STREAMS OF IOT MESSAGES
(11) EP3707880	(22) 29.04.2019	(73) ABB Schweiz AG
(21) EP18807128.6	(54) USER PLANE FUNCTION CONTROL OF CONTROL PLANE-USER PLANE SEPARATION	(72) KOZIOLEK, Heiko GRUENER, Sten RUECKERT, Julius
(47) 19.06.2024	(73) Telefonaktiebolaget LM Ericsson (publ)	(51) H04M 1/02 G06F 1/16
(87) IB2018058705	(72) NAZARI, Ala SKOG, Robert IHLAR, Marcus	(11) EP4030740
16.05.2019	(31) 201815999493	(21) EP20883312.9
(22) 06.11.2018	(32) 20.08.2018	(47) 19.06.2024
(54) NIC WITH PROGRAMMABLE PIPELINE	(33) United States of America	(87) CN2020124255
(73) Mellanox Technologies Ltd.	(51) H04L 67/55	06.05.2021
(72) GANOR, Avraham BURSTEIN, Idan LISS, Liran LEVI, Dotan BLOCH, Noam NARKIS, Lior ERAN, Haggai	(11) EP3690851	(22) 28.10.2020
(31) 201816012826	(21) EP18873882.7	(54) FOLDING UNIT AND ELECTRONIC DEVICE
201762582997 P	(47) 19.06.2024	
	(87) CN2018112313	

(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	MA, Chunjun	(51) H04M 1/72415
(72) HU, Tingyong	XING, Chong	H04M 1/72409
ZHENG, Zekuan	SUN, Yong	G06F 1/16
(31) 201911041319	XU, Jia	G06F 3/04815
(32) 29.10.2019	WANG, Gang	G06F 3/0482
(33) China	CHEN, Bowen	G06F 3/04842
(51) H04M 1/02	WU, Weifeng	G06F 3/04847
G06F 1/16	LI, Wei	G06F 3/04883
(11) EP3975530	ZHAO, Feng	G06F 3/04886
(21) EP20832321.2	ZHU, Xu	(11) EP3687144
(47) 19.06.2024	LI, Yin	(21) EP18932896.6
(87) CN2020097490	LI, Zheng	(47) 19.06.2024
30.12.2020	SUN, Changyu	(87) KR2018010348
(22) 22.06.2020	XU, Zhixiao	12.03.2020
(54) FOLDABLE ELECTRONIC DEVICE	HUANG, Bo	(22) 05.09.2018
(73) Huawei Technologies Co., Ltd.	(31) 202011568886	(54) MOBILE TERMINAL
(72) HAN, Lei	202011568881	(73) LG Electronics Inc.
SHEN, Xu	202011568879	(72) HWANG, Seongmin
(31) 201910550492	202011368621	CHI, Jumin
(32) 24.06.2019	202011198925	PARK, Jinyung
(33) China	202011062457	KIM, Jina
(51) H04M 1/02	202010619631	(51) H04M 3/56
G06F 1/16	202010327242	G10L 25/63
G02B 15/00	202010191182	G10L 25/03
G02B 13/00	202010066036	(11) EP3998763
(11) EP3799686	202010059260	(21) EP21204441.6
(21) EP18745532.4	201911378915	(47) 19.06.2024
(47) 19.06.2024	(32) 25.12.2020	(22) 13.09.2016
(87) EP2018069364	25.12.2020	(54) SYSTEMS AND METHODS FOR
23.01.2020	28.11.2020	MANAGING, ANALYZING, AND
(22) 17.07.2018	31.10.2020	PROVIDING VISUALIZATIONS OF
(54) A PROTRUDING AND FOLDING	30.09.2020	MULTI-PARTY DIALOGS
CAMERA SYSTEM FOR A PORTABLE	01.07.2020	(73) Cogito Corporation
ELECTRICAL DEVICE	23.04.2020	(72) FEAST, Joshua
(73) HUAWEI TECHNOLOGIES CO., LTD.	18.03.2020	AZARBAYEJANI, Ali
(72) EROMAKI, Marko	20.01.2020	PLACE, Skyler
(51) H04M 1/02	19.01.2020	(31) 201562218488 P
G09F 9/30	27.12.2019	(32) 14.09.2015
F16C 11/04	(33) China	(33) United States of America
G06F 1/16	China	(51) H04N 1/60
H05K 5/02	China	(11) EP4029233
F16C 11/12	China	(21) EP20776291.5
H04M 1/18	China	(47) 19.06.2024
(11) EP4072110	China	(87) US2020050308
(21) EP20905073.1	China	18.03.2021
(47) 19.06.2024	China	(22) 11.09.2020
(87) CN2020140445	China	(54) DYNAMIC GENERATION OF CUSTOM
01.07.2021	China	COLOR SELECTIONS
(22) 28.12.2020	China	(73) PPG Industries Ohio, Inc.
(54) ELECTRONIC DEVICE	China	(72) GROVES, Francis
(73) Huawei Technologies Co., Ltd.	(51) H04M 1/04	KAUFFMAN, Kristi
(72) DAI, Xiaotao	F16M 11/10	NORRIS, Alison
LI, Xia	F16M 11/20	(31) 201962899679 P
ZHAN, Qiang	A47B 21/03	(32) 12.09.2019
NIU, Linhui	A47B 23/04	(33) United States of America
WANG, Changyong	(11) EP4157040	(51) H04N 5/20
WANG, Shangyun	(21) EP21798141.4	G02B 3/14
DING, Qiaoying	(47) 19.06.2024	G02B 26/00
CHEN, Bo	(87) NL2021000006	(11) EP3721281
HUANG, Tao	02.12.2021	(21) EP18885817.9
ZHANG, Hui	(22) 11.05.2021	(47) 19.06.2024
ZHONG, Ding	(54) ACCESSORY SUPPORT DEVICE	(87) KR2018008210
LIAO, Li	(73) Vlaar Innovations B.V.	13.06.2019
WANG, Gangchao	(72) VLAAR, Erik Jacobus	(22) 20.07.2018
TIAN, Haiqiang	(31) 1043666	(54) LENS CURVATURE VARIATION
HU, Yuehua	(32) 25.05.2020	APPARATUS
LIU, Yu	(33) Netherlands	(73) Corning Incorporated
		LG Innotek Co., Ltd.

(72) SONG, Seungheun YANG, Sungoh (31) 20170168517 (32) 08.12.2017 (33) Korea (Republic)	(22) 24.11.2016 (54) IMAGE PROCESSING DEVICE, MICROSCOPE SYSTEM, IMAGE PROCESSING METHOD, AND PROGRAM	(47) 19.06.2024 (87) KR2017008412 08.02.2018 (22) 03.08.2017 (54) VIDEO SIGNAL PROCESSING METHOD AND DEVICE
(51) H04N 5/202 H04N 21/431 H04N 5/20 H04N 5/66 (11) EP3654656 (21) EP18831862.0 (47) 19.06.2024 (87) JP2018006860 17.01.2019	(73) Nikon Corporation (72) OKABE, Toshiya KOMATSU, Ryosuke SVOBODA, Miroslav SASE, Ichiro SAJDL, Martin SONSKY, Jiri SASAKI, Yutaka	(73) KT Corporation (72) LEE, Bae Keun (31) 20160099176 20160099175 (32) 03.08.2016 03.08.2016 (33) Korea (Republic) Korea (Republic)
(22) 26.02.2018 (54) VIDEO DISPLAY SYSTEM AND VIDEO DISPLAY METHOD (73) Panasonic Intellectual Property Management Co., Ltd.	(51) H04N 7/18 H04N 23/661 (11) EP3586323 (21) EP18771189.0 (47) 19.06.2024 (87) CA2018050311 27.09.2018 (22) 15.03.2018 (54) METHOD AND SYSTEM FOR A DISTRIBUTED CAMERA NETWORK	(51) H04N 19/109 H04N 19/176 H04N 19/52 H04N 19/70 (11) EP3873092 (21) EP19883073.9 (47) 19.06.2024 (87) KR2019015194 14.05.2020
(72) MORI, Yoshihiro YAMAMOTO, Masaya HIROTA, Takeshi YAHATA, Hiroshi KASHIWAGI, Yoshiichiro KOUNO, Kazuhiko KOZUKA, Masayuki NISHIO, Toshiroh (31) 201762532524 P (32) 14.07.2017 (33) United States of America	(73) Malike Innovations Limited (72) SEAMAN, Conrad Delbert PARKER, Ryan Michael WEST, Stephen (31) 201715468898 (32) 24.03.2017 (33) United States of America	(22) 08.11.2019 (54) IMAGE SIGNAL ENCODING/ DECODING METHOD, AND DEVICE FOR SAME (73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. (72) LEE, Bae Keun (31) 20180136261 (32) 08.11.2018 (33) Korea (Republic)
(51) H04N 7/15 G02B 27/01 G06F 3/01 H04N 13/00 (11) EP3531695 (21) EP17862018.3 (47) 19.06.2024 (87) KR2017002420 26.04.2018 (22) 07.03.2017 (54) METHOD FOR TRANSMITTING AUDIO SIGNAL AND OUTPUTTING RECEIVED AUDIO SIGNAL IN MULTIMEDIA COMMUNICATION BETWEEN TERMINAL DEVICES, AND TERMINAL DEVICE FOR PERFORMING SAME	(51) H04N 9/31 G02B 27/10 H04N 5/74 G03B 21/26 G02F 1/00 G03B 21/20 H04N 13/30 (11) EP3967031 (21) EP20802620.3 (47) 19.06.2024 (87) US2020032248 12.11.2020 (22) 08.05.2020 (54) OPTICAL SWITCH FOR SINGLE AND MULTIPLE PROJECTORS	(31) 20180136261 (32) 08.11.2018 (33) Korea (Republic) (51) H04N 19/11 H04N 19/176 H04N 19/593 H04N 19/463 H04N 19/157 H04N 19/129 H04N 19/117 H04N 19/124 H04N 19/91 (11) EP3843392 (21) EP21156609.6 (47) 19.06.2024 (22) 02.11.2012 (54) METHOD OF DERIVING AN INTRA PREDICTION MODE
(73) Samsung Electronics Co., Ltd. (72) KWAK, Byeong-hoon SUNG, Ho-sang CHOO, Ki-hyun TERENCE, Betlehem JEONG, Jong-hoon JUNG, Kyung-hun OH, Eun-mi (31) 20160137701 (32) 21.10.2016 (33) Korea (Republic)	(73) Dolby Laboratories Licensing Corporation (72) ARNTSEN, John Frederick LIPPEY, Barret (31) 201962847172 P 201962845263 P (32) 13.05.2019 08.05.2019 (33) United States of America United States of America	(73) Gensquare LLC (72) YANG, Moonock OH, Soo Mi (31) 20110114607 (32) 04.11.2011 (33) Korea (Republic)
(51) H04N 7/18 A61B 6/03 G02B 21/00 G06F 3/0484 G06T 1/00 G02B 21/36 (11) EP3547674 (21) EP16922420.1 (47) 19.06.2024 (87) JP2016084866 31.05.2018	(51) H04N 19/103 H04N 19/159 H04N 19/117 H04N 19/176 H04N 19/105 H04N 19/70 H04N 19/186 H04N 19/80 H04N 19/44 H04N 19/51 H04N 19/11 H04N 19/593 (11) EP3496399 (21) EP17837270.2	(51) H04N 19/126 H04N 19/167 H04N 19/176 H04N 19/463 H04N 19/597 H04N 19/124 (11) EP3544301 (21) EP17870889.7 (47) 19.06.2024 (87) JP2017033908 24.05.2018 (22) 20.09.2017

(54) MOVING IMAGE CODING DEVICE, MOVING IMAGE DECODING DEVICE, AND PROGRAM	H04N 19/51 (11) EP3837838 (21) EP18932920.4	(47) 19.06.2024 (87) EP2014067452 19.02.2015
(73) KDDI Corporation	(47) 19.06.2024	(22) 14.08.2014
(72) NAITO Sei KAWAMURA Kei	(87) CN2018104239 12.03.2020	(54) METHOD IN SUPPORT OF VIDEO IMPRESSION ANALYSIS INCLUDING INTERACTIVE COLLECTION OF COMPUTER USER DATA
(31) 2016222616 (32) 15.11.2016 (33) Japan	(22) 05.09.2018 (54) CODING IMAGE OF VIDEO SEQUENCE	(73) Realeyes OÜ
(51) H04N 19/167 H04N 19/105 H04N 19/503 H04N 19/597 H04N 19/85	(73) HUAWEI TECHNOLOGIES CO., LTD. (72) KOTECHA, Sagar A, Jeeva Raj MA, Xiang SETHURAMAN, Sriram	(72) SALO, Martin HAJIYEV, Elnar (31) 201314636 (32) 15.08.2013 (33) United Kingdom
(11) EP3772853 (21) EP18914708.5 (47) 19.06.2024 (87) CN2018120981 17.10.2019	(51) H04N 19/52 H04N 19/577 H04N 19/105 H04N 19/139 H04N 19/176 H04N 19/70	(51) H04N 21/43 H04N 21/2343 H04N 21/2365 (11) EP3574652 (21) EP18701059.0 (47) 19.06.2024 (87) EP2018052178 02.08.2018
(22) 13.12.2018 (54) METHOD AND DEVICE FOR POINT CLOUD CODING	(11) EP3847807 (21) EP19860067.8 (47) 19.06.2024	(22) 29.01.2018
(73) HUAWEI TECHNOLOGIES CO., LTD. (72) ZAKHARCHENKO, Vladyslav ZHANG, Dejun CHEN, Jianle LIU, Bo	(87) CN2019105717 19.03.2020 (22) 12.09.2019 (54) APPARATUS AND METHOD FOR CONDITIONAL DECODER-SIDE MOTION VECTOR REFINEMENT IN VIDEO CODING	(54) METHOD AND SYSTEM FOR TRANSMITTING ALTERNATIVE IMAGE CONTENT OF A PHYSICAL DISPLAY TO DIFFERENT VIEWERS (73) Appario Global Solutions (AGS) AG (72) VON BRAUN, Max BOLL, Hans-Peter
(31) 201862655019 P (32) 09.04.2018 (33) United States of America	(22) 12.09.2019 (54) APPARATUS AND METHOD FOR CONDITIONAL DECODER-SIDE MOTION VECTOR REFINEMENT IN VIDEO CODING	(31) 17210553 17206147 17153512 (32) 22.12.2017 08.12.2017 27.01.2017 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)
(51) H04N 19/436 H04N 19/17	(73) HUAWEI TECHNOLOGIES CO., LTD. (72) SETHURAMAN, Sriram KOTECHA, Sagar A, Jeeva Raj	(31) 17210553 17206147 17153512 (32) 22.12.2017 08.12.2017 27.01.2017 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)
(11) EP3909245 (21) EP20738269.8 (47) 19.06.2024 (87) US2020012907 16.07.2020	(31) 201831034607 (32) 13.09.2018 (33) India	(31) 17210553 17206147 17153512 (32) 22.12.2017 08.12.2017 27.01.2017 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)
(22) 09.01.2020 (54) TEMPORAL MOTION CONSTRAINED SUB-PICTURE SIGNALING IN VIDEO CODING	(51) H04N 19/60 H04N 19/137 H04N 19/132 H04N 19/119 H04N 19/18 H04N 19/122 H04N 19/70 H04N 19/176	(51) H04N 21/438 H04N 21/44 H04N 21/845 (11) EP4192020 (21) EP22204011.5 (47) 19.06.2024 (22) 07.08.2017 (54) CHANNEL CHANGE METHOD AND APPARATUS
(73) HUAWEI TECHNOLOGIES CO., LTD. (72) HENDRY, Fnu WANG, Ye-Kui	(11) EP4017008 (21) EP20866694.1 (47) 19.06.2024 (87) KR2020012707 25.03.2021	(22) 07.08.2017 (54) CHANNEL CHANGE METHOD AND APPARATUS (73) Huawei Technologies Co. Ltd. (72) CHEN, Qiulin LI, Zimian
(31) 201962790207 P (32) 09.01.2019 (33) United States of America	(21) EP20866694.1 (47) 19.06.2024 (87) KR2020012707 25.03.2021 (22) 21.09.2020 (54) TRANSFORM-BASED IMAGE CODING	(47) 19.06.2024 (22) 07.08.2017 (54) CHANNEL CHANGE METHOD AND APPARATUS (73) Huawei Technologies Co. Ltd. (72) CHEN, Qiulin LI, Zimian
(51) H04N 19/436 H04N 19/17	(47) 19.06.2024 (87) KR2020012707 25.03.2021	(47) 19.06.2024 (22) 07.08.2017 (54) CHANNEL CHANGE METHOD AND APPARATUS (73) Huawei Technologies Co. Ltd. (72) CHEN, Qiulin LI, Zimian
(11) EP3906684 (21) EP20738533.7 (47) 19.06.2024 (87) US2020012862 16.07.2020	(22) 21.09.2020 (54) TRANSFORM-BASED IMAGE CODING	(31) 201610648234 (32) 09.08.2016 (33) China
(22) 09.01.2020 (54) SUB-PICTURE LAYOUT SIGNALING IN VIDEO CODING	(73) LG Electronics Inc. (72) KIM, Seunghwan LIM, Jaehyun KOO, Moonmo	(31) 201610648234 (32) 09.08.2016 (33) China
(73) HUAWEI TECHNOLOGIES CO., LTD. (72) HENDRY, Fnu WANG, Ye-Kui	(31) 201962904636 P 201962903823 P (32) 23.09.2019 21.09.2019 (33) United States of America United States of America	(51) H04N 21/845 H04N 21/854 H04N 21/4788 H04N 21/482 H04N 21/63 G06Q 50/00 (11) EP3886452 (21) EP21155964.6
(31) 201962790207 P (32) 09.01.2019 (33) United States of America	(32) 23.09.2019 21.09.2019 (33) United States of America United States of America	(47) 19.06.2024 (22) 25.02.2014 (54) METHOD FOR SHARING MEDIA CONTENT, TERMINAL DEVICE, AND CONTENT SHARING SYSTEM (73) Huawei Technologies Co., Ltd.
(51) H04N 19/44 H04N 19/21 H04N 19/176 H04N 19/56 H04N 19/182	(51) H04N 21/422 H04N 21/4223 H04N 21/4415 H04N 21/466 (11) EP3033888 (21) EP14750756.0	(47) 19.06.2024 (22) 25.02.2014 (54) METHOD FOR SHARING MEDIA CONTENT, TERMINAL DEVICE, AND CONTENT SHARING SYSTEM (73) Huawei Technologies Co., Ltd.

(72) HUANG, Bo	United States of America	(47) 19.06.2024
CHEN, Qiulin	(51) H04N 23/60	(87) EP2021068019
(31) 201310311058	(11) EP3900015	06.01.2022
(32) 23.07.2013	(21) EP19918340.1	(22) 30.06.2021
(33) China	(47) 19.06.2024	(54) METHOD FOR ACQUIRING IMAGES
(51) H04N 21/8549	(87) US2019066830	OF A SCENE
H04N 21/439	10.09.2020	(73) THALES
H04N 21/422	(22) 17.12.2019	(72) DEPRUGNEY, Fabien
H04N 5/14	(54) USAGE AND TEMPERATURE	PERRUCHOT, Ludovic
(11) EP3874765	COMPENSATION OF PERFORMANCE	FAYE, Régis
(21) EP19889947.8	PARAMETERS FOR NIGHT VISION	(31) 2006979
(47) 19.06.2024	DEVICE	(32) 02.07.2020
(87) KR2019015131	(73) Elbit Systems of America, LLC	(33) France
04.06.2020	(72) CASTLEBERRY, Ransom Hal	(51) H04Q 11/00
(22) 08.11.2019	MICHALSKI, Mark	(11) EP3422732
(54) ELECTRONIC DEVICE AND	SMITH, Arlynn W.	(21) EP17765666.7
OPERATION METHOD THEREOF	CHABOT, Raymond Leo	(47) 19.06.2024
(73) Samsung Electronics Co., Ltd.	BALBONI, John A.	(87) CN2017073663
(72) KIM, Jinhyun	(31) 201816227165	21.09.2017
PARK, Gihoon	(32) 20.12.2018	(22) 15.02.2017
CHOI, Sae Eun	(33) United States of America	(54) MESSAGE TRANSMISSION METHOD,
CHO, Eunae	(51) H04N 23/61	RELAY APPARATUS AND MESSAGE
PARK, Sangshin	H04N 23/63	PROCESSOR
(31) 20180148775	H04N 23/56	(73) Huawei Technologies Co., Ltd.
(32) 27.11.2018	H04N 23/60	(72) ZHENG, Ruobin
(33) Korea (Republic)	G06K 19/06	(31) 201610154669
(51) H04N 23/00	G06K 19/08	(32) 17.03.2016
H04N 23/60	G07D 7/00	(33) China
(11) EP3860106	G06T 7/11	(51) H04Q 11/00
(21) EP19903634.4	G06T 7/136	H04J 14/02
(47) 19.06.2024	G06V 10/24	(11) EP3515085
(87) CN2019112611	G06V 10/28	(21) EP19161459.3
02.07.2020	G06V 10/44	(47) 19.06.2024
(22) 22.10.2019	G06V 10/56	(22) 09.04.2012
(54) CAMERA MODULE, ANTI-SHAKE	G06V 10/60	(54) WAVELENGTH INDICATION IN
ASSEMBLY AND TERMINAL	G07D 7/0043	MULTIPLE-WAVELENGTH PASSIVE
(73) Huawei Technologies Co., Ltd.	G07D 7/20	OPTICAL NETWORKS
(72) KUO, Li-Te	G07D 7/2033	(73) Huawei Technologies Co., Ltd.
WANG, Wei	G06V 20/80	(72) LUO, Yuanqiu
(31) 201811583025	G06V 20/00	EFFENBERGER, Frank J.
(32) 24.12.2018	(11) EP4171051	(31) 201213440765
(33) China	(21) EP22199628.3	201161473439 P
(51) H04N 23/45	(47) 19.06.2024	(32) 05.04.2012
H04N 23/55	(22) 04.10.2022	08.04.2011
H04N 23/698	(54) COLLATION DEVICE, PROGRAM, AND	(33) United States of America
G02B 7/02	COLLATION METHOD	United States of America
G02B 13/06	(73) FUJIFILM Business Innovation Corp.	(51) H04R 1/02
G03B 17/12	(72) KITAGAWA, Nobuhiro	H04R 7/04
G03B 37/04	MOTOSUGI, Yukari	G02F 1/1333
(11) EP3271769	IGUSA, Masahiro	(11) EP3941087
(21) EP16765427.6	HIRATA, Kazuhiro	(21) EP21195108.2
(47) 19.06.2024	FUJIWARA, Momoko	(47) 19.06.2024
(87) US2016021269	KIMURA, Tetsuya	(22) 02.08.2017
22.09.2016	YAMAMOTO, Shigeru	(54) PANEL VIBRATION TYPE DISPLAY
(22) 07.03.2016	OSHIMA, Minoru	DEVICE FOR GENERATING SOUND
(54) UNIBODY DUAL-LENS MOUNT FOR A	(31) 2022092360	(73) LG Display Co., Ltd.
SPHERICAL CAMERA	2021171960	(72) LEE, Sungtae
(73) GoPro, Inc.	(32) 07.06.2022	PARK, KwanHo
(72) TOLBERT, William H.	20.10.2021	CHOI, YeongRak
DAVIES, Joshua P.	(33) Japan	KIM, Kwangho
(31) 201615057896	Japan	(31) 20160161789
201562267864 P	(51) H04N 25/67	(32) 30.11.2016
201562134567 P	H04N 25/671	(33) Korea (Republic)
(32) 01.03.2016	H04N 25/674	(51) H04R 1/10
15.12.2015	G06T 5/50	G04B 37/12
18.03.2015	G01S 3/786	G04G 99/00
(33) United States of America	(11) EP4176582	G04B 47/00
United States of America	(21) EP21739067.3	A44C 5/00

A44C 5/24 G04G 17/08 (11) EP3879844 (21) EP18944448.2 (47) 19.06.2024 (87) CN2018123621 02.07.2020 (22) 25.12.2018 (54) WEARABLE DEVICE (73) Huawei Technologies Co., Ltd. (72) ZHAO, Menglong LI, Jie YANG, Rongguang GUO, Zhi HE, Yanguo LI, Kelin ZHANG, Bin YAO, Yuliang	TSINGOS, Nicolas R. (31) 201261636429 P 201161504005 P (32) 20.04.2012 01.07.2011 (33) United States of America United States of America (51) H04S 7/00 (11) EP4118845 (21) EP21711229.1 (47) 19.06.2024 (87) EP2021056362 16.09.2021 (22) 12.03.2021 (54) APPARATUS AND METHOD FOR RENDERING A SOUND SCENE COMPRISING DISCRETIZED CURVED SURFACES (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Friedrich-Alexander-Universität Erlangen- Nürnberg (72) WEFERS, Frank BORSS, Christian (31) 20163151 (32) 13.03.2020 (33) European Patent Office (EPO) (51) H04W 4/02 (11) EP3427501 (21) EP17764116.4 (47) 19.06.2024 (87) US2017021609 14.09.2017 (22) 09.03.2017 (54) DETECTION OF MOBILE DEVICE LOCATION WITHIN VEHICLE USING VEHICLE BASED DATA AND MOBILE DEVICE BASED DATA (73) Arity International Limited (72) LUNDSGAARD, Soren, K. FERGUSON, Dana SNYDER, Jared, S. (31) 201615066406 (32) 10.03.2016 (33) United States of America (51) H04W 4/02 H04L 12/28 H04W 4/80 (11) EP3993452 (21) EP21200965.8 (47) 19.06.2024 (22) 05.10.2021 (54) PAIRING A HOME APPLIANCE WITH A MOBILE DEVICE (73) BSH Hausgeräte GmbH (72) Schaefer, Frank Grimminger, Jochen (31) 102020213754 (32) 02.11.2020 (33) Germany (51) H04W 4/02 H04W 4/029 H04W 4/42 B61L 25/02 (11) EP4021020 (21) EP20867386.3 (47) 19.06.2024 (87) CN2020117903	01.04.2021 (22) 25.09.2020 (54) TRAIN POSITIONING METHOD AND APPARATUS, SYSTEM, AND COMPUTER-READABLE MEDIUM (73) Siemens Mobility GmbH (72) SUN, Jinlong (31) 201910922693 (32) 26.09.2019 (33) China (51) H04W 4/06 H04W 4/70 H04L 5/00 H04W 72/04 (11) EP3806503 (21) EP18922611.1 (47) 19.06.2024 (87) CN2018090881 19.12.2019 (22) 12.06.2018 (54) METHOD AND BASE STATION FOR TRANSMITTING MTC DOWNLINK CONTROL INFORMATION (73) Beijing Xiaomi Mobile Software Co., Ltd. (72) MU, Qin (51) H04W 4/08 (11) EP4213510 (21) EP22212435.6 (47) 19.06.2024 (22) 15.12.2016 (54) INFORMATION TRANSMISSION METHOD (73) Huawei Technologies Co., Ltd. (72) LI, Yan QIAO, Xiaoqiang (51) H04W 4/08 H04W 4/46 H04W 4/44 (11) EP3834438 (21) EP18762294.9 (47) 19.06.2024 (87) EP2018073395 05.03.2020 (22) 30.08.2018 (54) TECHNIQUES FOR GROUP-BASED FEEDBACK (73) HUAWEI TECHNOLOGIES CO., LTD. (72) BOBAN, Mate STIRLING-GALLACHER, Richard SCHUBERT, Martin LI, Zhongfeng (51) H04W 4/44 (11) EP3900411 (21) EP19829194.0 (47) 19.06.2024 (87) EP2019086599 25.06.2020 (22) 20.12.2019 (54) STATISTICAL TRACKING OF POPULATION DYNAMICS OVER AN AREA (73) Telecom Italia S.p.A. (72) COCIGLIO, Mauro (31) 201800020929 (32) 21.12.2018 (33) Italy (51) H04W 4/44
---	--	---

G05D 1/00	United Kingdom	(54) DEVICE-TO-DEVICE COMMUNICATION
G08G 1/16	United Kingdom	METHOD, TERMINAL, AND PRODUCT
(11) EP3869843	United Kingdom	(73) Huawei Technologies Co., Ltd.
(21) EP20158259.0	(51) H04W 4/80	(72) ZHAO, Chao
(47) 19.06.2024	H04W 4/90	LIN, Bo
(22) 19.02.2020	(11) EP3893529	(51) H04W 8/18
(54) METHOD FOR INVOKING A	(21) EP18944656.0	H04W 60/00
TELEOPERATED DRIVING SESSION,	(47) 19.06.2024	H04W 12/06
APPARATUS FOR PERFORMING THE	(87) CN2018124087	(11) EP3665979
STEPS OF THE METHOD, VEHICLE	02.07.2020	(21) EP18750288.5
AND COMPUTER PROGRAM	(22) 26.12.2018	(47) 19.06.2024
(73) VOLKSWAGEN AG	(54) COMMUNICATION METHOD BASED	(87) US2018041815
(72) Pfadler, Andreas	ON BLUETOOTH LOW ENERGY	14.02.2019
Gonzalez Vazquez, Israel	(73) Huawei Technologies Co., Ltd.	(22) 12.07.2018
Jornod, Guillaume	(72) ZANG, Zhicong	(54) FORBIDDEN NETWORK LIST
(51) H04W 4/80	ZHU, Renfei	MANAGEMENT
G01C 21/32	WANG, Liang	(73) Qualcomm Incorporated
G01C 21/34	HAO, Yixiu	(72) BHATNAGAR, Abhishek
G01C 21/36	(51) H04W 4/80	SESHADRI, Swathi
H04W 4/00	H04W 84/20	AGRAWAL, Mona
(11) EP3090235	H04L 69/24	TINA, Cogol
(21) EP15733075.4	H04W 76/14	(31) 201816031803
(47) 19.06.2024	(11) EP3939351	201762543473 P
(87) US2015010014	(21) EP20850978.6	(32) 10.07.2018
09.07.2015	(47) 19.06.2024	10.08.2017
(22) 02.01.2015	(87) KR2020009636	(33) United States of America
(54) INPUT/OUTPUT FUNCTIONS RELATED	11.02.2021	United States of America
TO A PORTABLE DEVICE IN AN	(22) 22.07.2020	(51) H04W 8/22
AUTOMOTIVE ENVIRONMENT	(54) APPARATUS AND METHOD FOR FAST	(11) EP3665919
(73) Google LLC	COMMUNICATION BETWEEN MASTER	(21) EP18765234.2
(72) PELLY, Nicholas, Julian	AND SLAVE	(47) 19.06.2024
FOSTER, Andrew	(73) Samsung Electronics Co., Ltd.	(87) US2018046037
HOFMANN, Patrick	(72) KANG, Namyong	14.02.2019
(31) 201461924418 P	YOO, Hyungseoung	(22) 09.08.2018
201461923882 P	PARK, Chunho	(54) SIGNALING USER EQUIPMENT
201461923484 P	(31) 20190096404	CAPABILITY INFORMATION
(32) 07.01.2014	(32) 07.08.2019	(73) QUALCOMM Incorporated
06.01.2014	(33) Korea (Republic)	(72) PHUYAL, Umesh
03.01.2014	(51) H04W 4/90	RICO ALVARINO, Alberto
(33) United States of America	H04W 74/0833	PANT, Nitin
United States of America	H04W 76/18	DHANDA, Mungal Singh
United States of America	H04W 76/50	(31) 201816058915
(51) H04W 4/80	(11) EP3398359	2017625446658 P
H04W 4/021	(21) EP17743627.6	(32) 08.08.2018
H04W 4/02	(47) 19.06.2024	11.08.2017
(11) EP4066522	(87) CN2017071516	(33) United States of America
(21) EP20819843.2	03.08.2017	United States of America
(47) 19.06.2024	(22) 18.01.2017	(51) H04W 12/08
(87) GB2020053013	(54) EMERGENCY CALL PRIORITIZATION	H04W 12/06
03.06.2021	(73) Huawei Technologies Co., Ltd.	(11) EP4021049
(22) 26.11.2020	(72) TANG, Yumin	(21) EP20945174.9
(54) ACCESS CONTROL SYSTEM AND	WANG, Julia	(47) 19.06.2024
METHOD	JIA, Zhiping	(87) CN2020101941
(73) Paxton Access Limited	WANG, Limei	20.01.2022
(72) INNES, Sam	(31) 201615006896	(22) 14.07.2020
HOGGAT, Mark	(32) 26.01.2016	(54) METHOD FOR WIRELESS
(31) 201917375	(33) United States of America	COMMUNICATION AND DEVICE
201917329	(51) H04W 8/00	(73) GUANGDONG OPPO MOBILE
201917371	H04W 76/14	TELECOMMUNICATIONS CORP., LTD.
201917328	H04W 4/70	(72) YANG, Haorui
201917365	H04W 4/90	(51) H04W 12/30
(32) 28.11.2019	(11) EP2947955	H04W 12/106
28.11.2019	(21) EP13874589.8	H04W 12/72
28.11.2019	(47) 19.06.2024	H04W 12/08
28.11.2019	(87) CN2013071554	(11) EP4304226
28.11.2019	14.08.2014	(21) EP22305994.0
(33) United Kingdom	(22) 08.02.2013	(47) 19.06.2024
United Kingdom		(22) 04.07.2022

(54) PROVISIONING OF SECURITY MODULES	(33) China	(51) H04W 36/14
(73) Kigen (UK) Limited	(51) H04W 24/08	H04M 1/72448
(72) TEBBUTT, Colin, Dean	H04W 24/10	H04W 36/30
BIGET, Patrick Marcel Roland	H04W 52/02	H04W 36/36
ALLARD, Jérôme, Frédéric	(11) EP3860191	H04W 36/00
LÜDERS-JENSEN, Kim	(21) EP19865256.2	(11) EP3917210
(51) H04W 16/14	(47) 19.06.2024	(21) EP20779152.6
H04W 74/0808	(87) CN2019104345	(47) 19.06.2024
H04L 1/1829	02.04.2020	(87) CN2020080099
H04L 5/00	(22) 04.09.2019	01.10.2020
H04W 72/1268	(54) MEASUREMENT METHOD AND DEVICE	(22) 19.03.2020
H04B 7/06	(73) VIVO MOBILE COMMUNICATION CO., LTD.	(54) NETWORK CARD SWITCHING METHOD AND ELECTRONIC DEVICE
H04L 1/00	(72) CHEN, Li	(73) Huawei Technologies Co., Ltd.
(11) EP3618483	(31) 201811126962	(72) HUANG, Bin
(21) EP18795158.7	(32) 26.09.2018	LI, Yuanfeng
(47) 19.06.2024	(33) China	(31) 201910233571
(87) CN2018085570	(51) H04W 24/10	(32) 26.03.2019
08.11.2018	H04B 17/00	(33) China
(22) 04.05.2018	H04L 5/00	(51) H04W 36/28
(54) METHOD AND APPARATUS FOR TRANSMITTING UPLINK CONTROL INFORMATION	H04W 36/00	H04W 84/12
(73) Huawei Technologies Co., Ltd.	H04L 25/02	(11) EP4197281
(72) WU, Zuomin	H04B 7/02	(21) EP21945423.8
GUAN, Lei	H04B 7/06	(47) 19.06.2024
(31) 201710686579	(11) EP3998797	(87) CN2021100159
201710309047	(21) EP22150092.9	22.12.2022
(32) 11.08.2017	(47) 19.06.2024	(22) 15.06.2021
04.05.2017	(22) 12.07.2012	(54) DEVICES AND METHODS FOR MULTI-LINK HANDOVER IN A WIRELESS NETWORK
(33) China	(54) CELL MEASUREMENT METHOD AND RELATED DEVICE	(73) Huawei Technologies Co. Ltd.
China	(73) HUAWEI TECHNOLOGIES CO., LTD.	(72) KATZMAN, Yotam
(51) H04W 24/02	(72) CHAI, Li	EZRI, Doron
H04L 41/0823	(31) 201110194605	KLAUSNER, Ohad
(11) EP3711335	(32) 12.07.2011	PAN, Chun
(21) EP18755668.3	(33) China	HENCINSKI, Oren
(47) 19.06.2024	(51) H04W 36/00	(51) H04W 48/02
(87) US2018045018	H04W 36/12	H04W 76/10
23.05.2019	(11) EP3855806	(11) EP3624536
(22) 02.08.2018	(21) EP19876490.4	(21) EP17913649.4
(54) POWER ADJUSTMENTS FOR SELF-ORGANIZING NETWORKS	(47) 19.06.2024	(47) 19.06.2024
(73) Google LLC	(87) CN2019112423	(87) CN2017088525
(72) CENDRILLON, Raphael	30.04.2020	20.12.2018
(31) 201715811887	(22) 22.10.2019	(22) 15.06.2017
(32) 14.11.2017	(54) MOBILE SWITCHING METHOD AND RELATED DEVICE	(54) UPLINK ACCESS REQUEST PROCESS ACCORDING TO AN ACCESS CATEGORY SELF-DETERMINED BY AN ACCESS STRATUM ENTITY OF A USER EQUIPMENT
(33) United States of America	(73) Huawei Technologies Co., Ltd.	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(51) H04W 24/08	(72) JIN, Weisheng	(72) TANG, Hai
H04L 1/1822	REN, Dewang	(51) H04W 48/12
H04W 52/02	LU, Wei	H04W 92/20
H04L 1/1829	(31) 201811232968	(11) EP3817425
H04L 5/00	(32) 22.10.2018	(21) EP19799453.6
H04W 48/12	(33) China	(47) 19.06.2024
(11) EP3823381	(51) H04W 36/00	(87) CN2019085871
(21) EP19834999.5	H04W 48/18	14.11.2019
(47) 19.06.2024	(11) EP3905778	(22) 07.05.2019
(87) CN2019095365	(21) EP19909940.9	(54) INFORMATION ACQUISITION METHODS AND DEVICES
16.01.2020	(47) 19.06.2024	(73) ZTE Corporation
(22) 10.07.2019	(87) CN2019071906	(72) SHI, Xiaojuan
(54) CHANNEL MONITORING INDICATION METHOD, TERMINAL AND NETWORK DEVICE	23.07.2020	LIU, Jing
(73) Vivo Mobile Communication Co., Ltd.	(22) 16.01.2019	HUANG, He
(72) JIANG, Dajie	(54) CELL REGISTRATION METHOD AND TERMINAL DEVICE	FANG, Jianmin
JI, Zichao	(73) Huawei Technologies Co., Ltd.	(31) 201810438216
PAN, Xueming	(72) WANG, Ding	
(31) 201810776801	CUI, Liwei	
(32) 13.07.2018	DUAN, Xiaoyan	

(32) 09.05.2018	(87) KR2020000267	LIPKA, Dietmar
(33) China	16.07.2020	LEYH, Martin
(51) H04W 48/18	(22) 07.01.2020	BHADAURIA, Shubhangi
H04W 36/00	(54) METHOD AND APPARATUS FOR	HAROUNABADI, Mehdi
(11) EP4061062	REDUCING ELECTRIC POWER	MOHAMMAD SOLEYMANI, Dariush
(21) EP22172543.5	CONSUMPTION OF TERMINAL IN	(31) 21166426
(47) 19.06.2024	WIRELESS COMMUNICATION SYSTEM	(32) 31.03.2021
(22) 20.09.2018	(73) Samsung Electronics Co., Ltd.	(33) European Patent Office (EPO)
(54) SLICE-BASED CELL RESELECTION	(72) JUNG, Euichang	(51) H04W 72/04
ACCORDING TO CELL RESELECTION	MYUNG, Seho	H04B 17/336
PRIORITIES FOR SUPPORTED SLICES	YOON, Suha	H04L 1/00
(73) Samsung Electronics Co., Ltd.	PARK, Suyoung	H04L 5/00
(72) Kim, Sang-Bum	KIM, Hyunjung	H04W 52/24
Jin, Seung-Ri	(31) 20190002408	H04W 52/36
Kim, Soeng-Hun	(32) 08.01.2019	(11) EP4205473
Jang, Jae-Hyuk	(33) Korea (Republic)	(21) EP20950736.7
(31) 20170121425	(51) H04W 52/36	(47) 19.06.2024
(32) 20.09.2017	(11) EP3682685	(87) CN2020111867
(33) Korea (Republic)	(21) EP18797091.8	03.03.2022
(51) H04W 48/20	(47) 19.06.2024	(22) 27.08.2020
H04W 52/02	(87) IB2018001180	(54) METHODS AND APPARATUSES FOR
H04W 68/00	21.03.2019	CHANNEL ESTIMATION
H04W 4/14	(22) 14.09.2018	(73) Telefonaktiebolaget LM Ericsson (publ)
H04W 4/90	(54) POWER HEADROOM REPORT	(72) CHEN, Jie
H04W 76/50	GENERATION	YI, Li
(11) EP4059270	(73) Lenovo (Singapore) Pte. Ltd.	WANG, Huichen
(21) EP20797970.9	(72) KUCHIBHOTLA, Ravi	(51) H04W 72/04
(47) 19.06.2024	BASU MALLICK, Prateek	H04L 1/18
(87) US2020070630	LOEHR, Joachim	H04W 28/04
20.05.2021	(31) 201762558433 P	H04L 5/00
(22) 08.10.2020	(32) 14.09.2017	H04L 1/00
(54) ALWAYS-ON SHORT MESSAGES	(33) United States of America	H04W 4/70
(73) QUALCOMM INCORPORATED	(51) H04W 68/02	H04L 1/1822
(72) HORN, Gavin Bernard	H04B 1/7143	H04L 1/1829
LEE, Soo Bum	H04W 52/02	(11) EP3869884
AGARWAL, Ravi	(11) EP3659377	(21) EP19879866.2
(31) 202016948949	(21) EP18756317.6	(47) 19.06.2024
201962935405 P	(47) 19.06.2024	(87) CN2019114421
(32) 07.10.2020	(87) US2018043523	07.05.2020
14.11.2019	31.01.2019	(22) 30.10.2019
(33) United States of America	(22) 24.07.2018	(54) HARQ NEGATIVE FEEDBACK IN
United States of America	(54) PAGING AND DRX ENHANCEMENTS	SIDELINK COMMUNICATION
(51) H04W 48/20	FOR EMT-C-U (IOT-U)	(73) Huawei Technologies Co., Ltd.
H04W 52/14	(73) Qualcomm Incorporated	(72) WANG, Jun
H04W 74/08	(72) KADOUS, Tamer	FAN, Qiang
H04W 52/36	LIU, Chih-Hao	DAI, Mingzeng
H04W 52/28	YERRAMALLI, Srinivas	(31) 201811302615
H04W 52/50	(31) 201816043023	(32) 02.11.2018
H04W 52/24	201762536319 P	(33) China
(11) EP3879886	(32) 23.07.2018	(51) H04W 72/04
(21) EP18945047.1	24.07.2017	H04W 72/12
(47) 19.06.2024	(33) United States of America	H04L 5/00
(87) CN2018125115	United States of America	(11) EP3836696
02.07.2020	(51) H04W 72/02	(21) EP20859665.0
(22) 28.12.2018	H04W 52/02	(47) 19.06.2024
(54) COMMUNICATION METHOD AND	H04W 72/52	(87) CN2020074549
COMMUNICATION APPARATUS	H04W 74/0808	08.04.2021
(73) Huawei Technologies Co., Ltd.	(11) EP4316073	(22) 07.02.2020
(72) WU, Yiling	(21) EP22717803.5	(54) DATA TRANSMISSION METHOD AND
LI, Chenwan	(47) 19.06.2024	APPARATUS
YU, Haifeng	(87) EP2022057792	(73) Huawei Technologies Co., Ltd.
LI, Zhenyu	06.10.2022	(72) FAN, Bo
WANG, Yuchen	(22) 24.03.2022	RONG, Lu
(51) H04W 52/02	(54) RESOURCE SELECTION FOR POWER-	ZHANG, Xi
H04W 72/04	SAVING USERS IN NR SIDELINK	(31) PCT/CN2019/109608
(11) EP3893559	(73) Fraunhofer-Gesellschaft zur Förderung	(32) 30.09.2019
(21) EP20739091.5	der angewandten Forschung e.V.	(33) World Intellectual Property Office (WIPO)
(47) 19.06.2024	(72) ROTH-MANDUTZ, Elke	(51) H04W 72/04

H04W 72/23	201662353125 P	LI, Junyi
(11) EP4161194	201662306004 P	(31) 201816140739
(21) EP22189815.8	201662300094 P	201762563563 P
(47) 19.06.2024	(32) 23.10.2016	(32) 25.09.2018
(22) 08.04.2015	22.06.2016	26.09.2017
(54) NETWORK NODE AND METHOD THEREOF	09.03.2016	(33) United States of America
(73) Huawei Technologies Co., Ltd.	26.02.2016	United States of America
(72) BERGGREN, Fredrik	(33) United States of America	(51) H04W 72/23
(51) H04W 72/04	United States of America	H04W 76/14
H04W 76/15	United States of America	H04W 4/06
H04L 5/00	(51) H04W 72/12	(11) EP3720221
(11) EP3883315	(11) EP3777414	(21) EP20176270.5
(21) EP19887628.6	(21) EP18716677.2	(47) 19.06.2024
(47) 19.06.2024	(47) 19.06.2024	(22) 16.03.2015
(87) CN2019119441	(87) IB2018052136	(54) RESOURCE ALLOCATION METHODS AND EQUIPMENTS FOR DEVICE TO DEVICE SIGNAL TRANSMISSION
28.05.2020	03.10.2019	(73) Datang Mobile Communications Equipment Co., Ltd.
(22) 19.11.2019	(22) 28.03.2018	(72) ZHAO, Yali
(54) METHOD FOR SWITCHING BETWEEN UPLINKS, COMMUNICATION APPARATUS, AND COMMUNICATION SYSTEM	(54) URLLC OPTIMIZED SCHEDULING POLICY FOR MULTI-NODE CONNECTIVITY WITH DATA DUPLICATION	FU, Jing
(73) Huawei Technologies Co., Ltd.	(73) Nokia Technologies Oy	(31) 201410101192
(72) WANG, Yong	(72) LASELVA, Daniela	(32) 18.03.2014
ZHANG, Liwen	PEDERSEN, Klaus	(33) China
GAO, Quanzhong	MAHMOOD, Nurul	(51) H04W 72/566
XU, Zhou	(51) H04W 72/12	H04W 72/0453
(31) 201811379402	H04W 28/02	H04W 72/0446
(32) 19.11.2018	H04W 72/21	H04W 72/044
(33) China	H04W 72/566	H04W 72/51
(51) H04W 72/044	H04W 92/18	(11) EP3516914
H04L 5/00	(11) EP4035482	(21) EP1777746.3
(11) EP3783977	(21) EP20880797.4	(47) 19.06.2024
(21) EP19788637.7	(47) 19.06.2024	(87) US2017052380
(47) 19.06.2024	(87) KR2020014919	29.03.2018
(87) CN2019082912	06.05.2021	(22) 20.09.2017
24.10.2019	(22) 29.10.2020	(54) RESOURCE ALLOCATION PATTERNS FOR SCHEDULING SERVICES IN A WIRELESS NETWORK
(22) 16.04.2019	(54) METHOD AND APPARATUS FOR TRANSMISSION PRIORITIZATION IN WIRELESS COMMUNICATION SYSTEM	(73) QUALCOMM Incorporated
(54) CONFIGURATION INFORMATION TRANSMISSION METHOD AND DEVICE	(73) LG Electronics Inc.	(72) XU, Hao
(73) ZTE Corporation	(72) LEE, Jongyoul	CHEN, Wanshi
(72) LU, Zhaohua	PARK, Giwon	JIANG, Jing
LI, Yu Ngok	LEE, Seungmin	(31) 201715617507
GAO, Bo	LEE, Youngdae	201662399049 P
ZHANG, Shujuan	SEO, Hanbyul	(32) 08.06.2017
WANG, Feiming	(31) 20190135912	23.09.2016
ZHANG, Nan	(32) 29.10.2019	(33) United States of America
(31) 201810340182	(33) Korea (Republic)	United States of America
(32) 16.04.2018	(51) H04W 72/23	(51) H04W 74/00
(33) China	H04W 72/50	(11) EP3530054
(51) H04W 72/0446	H04L 5/00	(21) EP16787403.1
(11) EP3410798	H04B 7/0413	(47) 19.06.2024
(21) EP17756893.8	H04W 4/44	(87) EP2016075393
(47) 19.06.2024	(11) EP3689075	26.04.2018
(87) KR2017002174	(21) EP18786184.4	(22) 21.10.2016
31.08.2017	(47) 19.06.2024	(54) RANDOM ACCESS FOR NR
(22) 27.02.2017	(87) US2018052794	(73) Nokia Technologies Oy
(54) METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING WIRELESS SIGNAL IN WIRELESS COMMUNICATION SYSTEM	04.04.2019	(72) DHOMEJA, Sheyam Lal
(73) LG Electronics Inc.	(22) 26.09.2018	KOSKELA, Timo
(72) KIM, Kijun	(54) APPARATUSES AND METHODS FOR ULTRA RELIABLE LOW LATENCY COMMUNICATIONS IN NEW RADIO BASED VEHICLE TO EVERYTHING ENVIRONMENT	HERZOG, Alois
YANG, Suckchel	(73) Qualcomm Incorporated	PIRSKANEN, Juho Mikko Oskari
KIM, Seonwook	(72) BAGHEL, Sudhir Kumar	TURTINEN, Samuli Heikki
KIM, Eunsun	LI, Chong	(51) H04W 74/08
(31) 201662411687 P		(11) EP3922075
		(21) EP19827854.1
		(47) 19.06.2024
		(87) SE2019051237

13.08.2020	(11) EP3817287	H05B 6/72
(22) 06.12.2019	(21) EP19812483.6	(11) EP3893604
(54) USER EQUIPMENT INITIATED	(47) 19.06.2024	(21) EP20206756.7
CHANNEL OCCUPANCY TIME (COT)	(87) CN2019088497	(47) 19.06.2024
SHARING BETWEEN MULTIPLE USER	05.12.2019	(22) 10.11.2020
EQUIPMENTS	(22) 27.05.2019	(54) OVEN INCLUDING PLURAL
(73) Telefonaktiebolaget LM Ericsson (publ)	(54) INFORMATION INTERACTION	ANTENNAS AND METHOD FOR
(72) WANG, Min	METHOD AND TERMINAL	CONTROLLING THE SAME
(31) 201962802422 P	(73) Vivo Mobile Communication Co., Ltd.	(73) LG Electronics Inc.
(32) 07.02.2019	(72) KIMBA DIT ADAMOU, Boubacar	(72) BAEK, Chaehyun
(33) United States of America	YANG, Xiaodong	Jl, Jongseong
(51) H04W 74/08	(31) 201810552770	HA, Junghyeong
H04L 27/26	(32) 31.05.2018	SIM, Sunghun
H04W 16/28	(33) China	(31) 20200042823
H04W 72/04	(51) H04W 84/12	(32) 08.04.2020
H04W 88/02	H04W 4/46	(33) Korea (Republic)
(11) EP3522661	H04W 88/12	(51) H05B 33/14
(21) EP17855459.8	H04B 7/155	H01L 33/50
(47) 19.06.2024	H04L 67/12	H01L 33/58
(87) JP2017029384	H04W 48/16	(11) EP3512305
05.04.2018	H04W 80/08	(21) EP16915814.4
(22) 15.08.2017	H04W 84/18	(47) 19.06.2024
(54) TERMINAL DEVICE, BASE STATION	H04W 84/00	(87) KR2016013205
DEVICE, COMMUNICATION METHOD	H04W 92/20	15.03.2018
AND INTEGRATED CIRCUIT	(11) EP3183937	(22) 16.11.2016
(73) Sharp Kabushiki Kaisha	(21) EP15750248.5	(54) DISPLAY DEVICE USING
FG INNOVATION COMPANY LIMITED	(47) 19.06.2024	SEMICONDUCTOR LIGHT-EMITTING
(72) YOKOMAKURA, Kazunari	(87) EP2015001625	ELEMENT
TSUBOI, Hidekazu	25.02.2016	(73) LG Electronics Inc.
YAMADA, Shohei	(22) 06.08.2015	(72) LEE, Yonghan
TAKAHASHI, Hiroki	(54) METHOD FOR ESTABLISHING A	CHOI, Hwanjoon
(31) 2016191053	VEHICLE NETWORK	(31) 20160116670
(32) 29.09.2016	(73) ZF CV Systems Europe BV	(32) 09.09.2016
(33) Japan	(72) GLAVINIC, Andelko	(33) Korea (Republic)
(51) H04W 74/08	DIECKMANN, Thomas	(51) H05B 45/00
H04W 74/0833	HÜBNER, Sören	(11) EP3815469
(11) EP3915323	KÜHNE, Sebastian	(21) EP19748759.8
(21) EP20700281.7	WOLF, Thomas	(47) 19.06.2024
(47) 19.06.2024	LAUDE, Ulf	(87) EP2019069307
(87) EP2020050581	(31) 102014012673	13.02.2020
20.08.2020	(32) 22.08.2014	(22) 17.07.2019
(22) 10.01.2020	(33) Germany	(54) SYNCHRONOUS FLYBACK
(54) COMMUNICATIONS DEVICE,	(51) H05B 3/78	CONVERTER FOR OPERATING A
METHOD AND CIRCUITRY FOR A	B60H 1/22	LIGHTING DEVICE
COMMUNICATIONS DEVICE	F24H 3/04	(73) Tridonic GmbH & Co KG
(73) Sony Group Corporation	(11) EP3863373	(72) DE CLERCQ, Ludwig Erasmus
(72) WEI, Yuxin	(21) EP21155256.7	LOCHMANN, Frank
ATUNGSIRI, Samuel Asangbeng	(47) 19.06.2024	(31) 102018119017
SHIMEZAWA, Kazuyuki	(22) 04.02.2021	(32) 06.08.2018
BEALE, Martin, Warwick	(54) ELECTRIC HEATING DEVICE AND	(33) Germany
AWAD, Yassin, Aden	METHOD FOR ITS PRODUCTION	(51) H05B 45/14
(31) 19157594	(73) Eberspächer catem GmbH & Co. KG	H05B 45/50
(32) 15.02.2019	(72) Kachelhoffer, Patrick	(11) EP3777487
(33) European Patent Office (EPO)	Salahub, Daniil	(21) EP18918921.0
(51) H04W 76/14	(31) 102020201571	(47) 19.06.2024
(11) EP4216654	(32) 10.02.2020	(87) CN2018086798
(21) EP23161837.2	(33) Germany	21.11.2019
(47) 19.06.2024	(51) H05B 6/64	(22) 15.05.2018
(22) 26.09.2014	(11) EP4149208	(54) METHOD AND DEVICE OF
(54) IMPROVED RESOURCE ALLOCATION	(21) EP21196681.7	DETECTING STATUS OF LAMP, LAMP
FOR DEVICE TO DEVICE (D2D)	(47) 19.06.2024	DRIVER
COMMUNICATION	(22) 14.09.2021	(73) Tridonic GmbH & Co. KG
(73) Sun Patent Trust	(54) CRISP PLATE FOR MICROWAVE	(72) LI, Xinhai
(72) WANG, Lilei	OVENS	WANG, Shuanghong
LOEHR, Joachim	(73) Whirlpool Corporation	LIN, Yaofeng
FENG, Sujuan	(72) Khizar, Muhammad	(51) H05B 45/54
BASU MALLICK, Prateek	(51) H05B 6/68	H05B 47/24
(51) H04W 76/18	H05B 6/70	H05B 45/48

(11) EP4014698	(72) ABERGEL, Edmond	(72) HATTORI, Daisuke
(21) EP20750284.0	GAUTIER LE BOULCH, Louis	KUNIHIRO, Tsutomu
(47) 19.06.2024	(31) 18305249	NISHIMOTO, Takeshi
(87) EP2020072219	(32) 08.03.2018	<hr/>
18.02.2021	(33) European Patent Office (EPO)	(51) H05K 13/04
(22) 07.08.2020	(51) H05K 5/02	H05K 13/08
(54) MOSFET CIRCUIT, FOR EXAMPLE	H05K 7/14	(11) EP3684157
FOR USE IN A TAPPED LINEAR	H02B 13/025	(21) EP17924906.5
DRIVER, AND SURGE PROTECTION	H01H 9/04	(47) 19.06.2024
METHOD	(11) EP4072253	(87) JP2017033579
(73) Signify Holding B.V.	(21) EP20904381.9	21.03.2019
(72) LUO, Chenghu	(47) 19.06.2024	(22) 15.09.2017
HAN, Shaowei	(87) CN2020138697	(54) MOUNTING SYSTEM
(31) PCT/CN2019/100214	01.07.2021	(73) Fuji Corporation
19209749	(22) 23.12.2020	(72) HARA, Kenji
(32) 12.08.2019	(54) HOUSING FOR ELECTRONIC	<hr/>
18.11.2019	APPARATUS AND ELECTRONIC	(51) H05K 13/04
(33) World Intellectual Property Office (WIPO)	APPARATUS	H05K 13/08
European Patent Office (EPO)	(73) Huawei Digital Power Technologies Co.,	B08B 5/04
(51) H05B 47/19	Ltd.	(11) EP3944731
H04B 10/116	(72) ZHANG, Yanzhong	(21) EP19919641.1
(11) EP3618580	LIANG, Chengchen	(47) 19.06.2024
(21) EP18191357.5	WANG, Xun	(87) JP2019011250
(47) 19.06.2024	YANG, Yanxiong	24.09.2020
(22) 29.08.2018	(31) 201922352551 U	(22) 18.03.2019
(54) TRANSMISSION CODING SCHEME	(32) 23.12.2019	(54) MOUNTING HEAD MAINTENANCE
FOR A LIGHTING SYSTEM	(33) China	DEVICE
(73) Tridonic GmbH & Co. KG	(51) H05K 7/14	(73) Fuji Corporation
(72) Kleka, Maciej	H05K 7/20	(72) MURAKAMI Motokazu
<hr/>	E04H 5/00	<hr/>
(51) H05K 1/18	(11) EP4110024	(51) H10B 63/00
H05K 1/02	(21) EP22180608.6	H10N 70/00
H05K 9/00	(47) 19.06.2024	H10N 70/20
H05K 7/20	(22) 23.06.2022	(11) EP3785308
(11) EP3837933	(54) COOLING SYSTEM AND DATA	(21) EP19791688.5
(21) EP19879722.7	CENTER	(47) 19.06.2024
(47) 19.06.2024	(73) Huawei Digital Power Technologies Co.,	(87) US2019024533
(87) KR2019014560	Ltd.	31.10.2019
07.05.2020	(72) LIU, Yuan	(22) 28.03.2019
(22) 31.10.2019	WU, Ruoxun	(54) CROSS-POINT MEMORY ARRAY AND
(54) SHIELDING FILM INCLUDING	LI, Malin	RELATED FABRICATION TECHNIQUE
PLURALITY OF LAYERS AND	(31) 202110709399	(73) MICRON TECHNOLOGY, INC.
ELECTRONIC DEVICE USING THE	(32) 25.06.2021	(72) CASTRO, Hernan, A.
SAME	(33) China	RUSSELL, Stephen, W.
(73) Samsung Electronics Co., Ltd.	(51) H05K 13/02	TANG, Stephen, H.
(72) YANG, Cheehwan	H05K 13/00	(31) 201815961547
PARK, Hyein	H05K 13/04	(32) 24.04.2018
LIM, Jaedeok	(11) EP3927134	(33) United States of America
LEE, Kwangyong	(21) EP19915394.1	<hr/>
MOON, Jihye	(47) 19.06.2024	(51) H10K 10/46
YOO, Jangsun	(87) JP2019005086	H10K 10/88
LEE, Myeonggil	20.08.2020	H10K 71/80
(31) 20180132605	(22) 13.02.2019	(11) EP3843128
(32) 31.10.2018	(54) FEEDER STATE DISPLAY SYSTEM	(21) EP19852557.8
(33) Korea (Republic)	(73) Fuji Corporation	(47) 19.06.2024
<hr/>	(72) TAKAMIYA, Hideyasu	(87) JP2019029955
(51) H05K 3/04	NAITO, Shinji	27.02.2020
H05K 1/02	(51) H05K 13/02	(22) 31.07.2019
G06K 19/067	H05K 13/04	(54) METHOD FOR MANUFACTURING AN
(11) EP3763173	(11) EP3713383	ORGANIC THIN FILM TRANSISTOR
(21) EP19707835.5	(21) EP17931970.2	(73) FUJIFILM Corporation
(47) 19.06.2024	(47) 19.06.2024	(72) IWASE, Eijiro
(87) EP2019055532	(87) JP2017040952	(31) 2018157040
12.09.2019	23.05.2019	(32) 24.08.2018
(22) 06.03.2019	(22) 14.11.2017	(33) Japan
(54) METHOD FOR MANUFACTURING	(54) ELECTRONIC COMPONENT	<hr/>
CHIP-FREE RADIOFREQUENCY	MOUNTING DEVICE	(51) H10K 30/40
IDENTIFICATION (RFID) DEVICES	(73) Fuji Corporation	H10K 30/86
(73) Idyllic Technology		C07C 209/66
MGI Digital Technology		C07C 217/22
		(11) EP3950661
		(21) EP20189226.2

(47) 19.06.2024	(72) PAGANELLI, Mattia	(73) Micron Technology, Inc.
(22) 03.08.2020	RAVAGLIA, Simone	(72) VARESI, Enrico
(54) HOLE TRANSPORT MATERIAL, SYNTHESIS THEREOF, AND SOLAR CELL	(31) 201900012564	FRATIN, Lorenzo
(73) ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)	(32) 22.07.2019	LENGADE, Swapnil, A.
(72) Liu, Yuhang	(33) Italy	FANTINI, Paolo
Graetzel, Michael	(51) H10N 30/50	(31) 10201810518W
Bauer, Michael	G01L 9/08	201816228469
Zakeeruddin, Shaik Mohammed	G01L 1/16	(32) 26.11.2018
Bäuerle, Peter	(11) EP3418706	20.12.2018
(51) H10K 59/80	(21) EP16890598.2	(33) Singapore
H10K 71/70	(47) 19.06.2024	United States of America
(11) EP3723150	(87) JP2016068670	
(21) EP18857408.1	24.08.2017	
(47) 19.06.2024	(22) 23.06.2016	
(87) CN2018104335	(54) PRESSURE SENSOR	
13.06.2019	(73) Kyocera Corporation	
(22) 06.09.2018	(72) ASAKURA, Yasuhiro	
(54) ELECTRONIC APPARATUS	(31) 2016026068	
SUBSTRATE AND MANUFACTURING	(32) 15.02.2016	
METHOD, AND DISPLAY APPARATUS	(33) Japan	
(73) Chengdu BOE Optoelectronics	(51) H10N 60/01	
Technology Co., Ltd.	H10N 60/20	
BOE Technology Group Co., Ltd.	(11) EP3411884	
(72) CUI, Zhiming	(21) EP17760427.9	
MA, Qun	(47) 19.06.2024	
WANG, Dawei	(87) US2017014242	
(31) 201711284358	08.09.2017	
(32) 07.12.2017	(22) 20.01.2017	
(33) China	(54) SECOND GENERATION	
(51) H10K 71/16	SUPERCONDUCTING FILAMENTS	
H10K 85/50	AND CABLE	
C23C 16/448	(73) Brookhaven Technology Group, Inc.	
C23C 14/22	(72) SOLOVYOV, Vyacheslav	
C23C 14/24	(31) 201662281264 P	
C23C 16/30	(32) 21.01.2016	
C23C 16/455	(33) United States of America	
(11) EP3594378	(51) H10N 69/00	
(21) EP17900026.0	H10N 60/01	
(47) 19.06.2024	H10N 60/10	
(87) CN2017078529	G06N 10/40	
13.09.2018	B82Y 10/00	
(22) 29.03.2017	(11) EP3695440	
(54) APPARATUS FOR PREPARING LARGE- AREA PEROVSKITE THIN FILM	(21) EP18800020.2	
(73) Changzhou University	(47) 19.06.2024	
(72) DING, Jianning	(87) US2018057841	
WANG, Shubo	23.05.2019	
JIA, Xuguang	(22) 26.10.2018	
YUAN, Ningyi	(54) FABRICATION METHODS	
(31) PCT/CN2017/078529	(73) Microsoft Technology Licensing, LLC	
(32) 10.03.2017	(72) KOUWENHOVEN, Leonardus	
(33) World Intellectual Property Office (WIPO)	VAN HOOGDALEM, Kevin	
(51) H10N 30/30	KROGSTRUP JEPPESEN, Peter	
H02N 2/18	ASEEV, Pavel	
(11) EP4004991	(31) 201718897	
(21) EP20764145.7	PCT/EP2017/081038	
(47) 19.06.2024	(32) 15.11.2017	
(87) IB2020056904	30.11.2017	
28.01.2021	(33) United Kingdom	
(22) 22.07.2020	World Intellectual Property Office (WIPO)	
(54) AN ENERGY HARVESTING SYSTEM, FASTENER, USE, AND METHOD	(51) H10N 70/00	
FOR THE CONVERSION OF KINETIC ENERGY INTO ELECTRICAL ENERGY	(11) EP3888146	
(73) SENS-IN S.r.l.	(21) EP19888476.9	
	(47) 19.06.2024	
	(87) US2019062801	
	04.06.2020	
	(22) 22.11.2019	
	(54) CHALCOGENIDE MEMORY DEVICE COMPONENTS AND COMPOSITION	

EP3

**Voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend ex artikel 52 lid 1 van de Rijksoctrooiwet 1995.
European patents granted for the Netherlands in which a translation was filed ex Article 52 par. 1 of the NL Patent Law 1995.**

(51) A01D 44/00 A01G 7/02 B01D 53/62 C02F 1/00 C02F 3/32 A01G 9/18	(72) KAMEKAWA, Naoto GOTO, Daisuke TSUKADA, Dai	(72) BAZELMANS, Stefan DE GELDER, Vincent AARTS, Kees Wilhelmus Petrus JANSEN, Maurits Petrus Maria SCHMITT, Eric Holland
(11) EP3349563 (21) EP16847390.8 (22) 16.09.2016 (54) DEVICES, SYSTEMS AND METHODS FOR ENHANCED BIOMASS GROWTH IN GREENHOUSES	(74) ir. F.A. Geurts c.s. (31) 2019019043 2019017444 2019010664 2019010403 (32) 05.02.2019 01.02.2019 24.01.2019 24.01.2019	(74) dr. R.C. van Duijvenbode c.s. (31) 2023404 201962857885 P (32) 28.06.2019 06.06.2019 (33) Netherlands United States of America (47) 03.04.2024
(73) Carbon Sink, Inc. (72) O'KEEFE, Frank (74) dr. A. Krebs (31) 201662377479 P 201662318575 P 201562220718 P	(33) Japan Japan Japan Japan (47) 10.04.2024	(47) 03.04.2024 ----- (51) A01M 21/04 C07D 491/044 A01N 43/58 A01N 43/90 A01P 13/02 C07D 519/00
(32) 19.08.2016 05.04.2016 18.09.2015 (33) United States of America United States of America United States of America (47) 10.04.2024	(47) 10.04.2024 (51) A01K 5/02 A01K 1/10 (11) EP3668308 (21) EP18758982.5 (22) 14.08.2018 (54) METHOD AND SYSTEM FOR FODDER ADMINISTRATION	(32) 28.06.2019 06.06.2019 (33) Netherlands United States of America (47) 03.04.2024 ----- (51) A01M 21/04 C07D 491/044 A01N 43/58 A01N 43/90 A01P 13/02 C07D 519/00 (11) EP4035528 (21) EP20870221.7 (22) 23.09.2020 (54) 7-OXA-3,4-DIAZABICYCLO[4.1.0]HEPT-4-EN-2-ONE COMPOUND AND HERBICIDE
(51) A01D 78/10 A01D 41/14 (11) EP3607813 (21) EP19186223.4 (22) 15.07.2019 (54) HAYMAKING MACHINE AND METHOD	(73) DeLaval Holding AB (72) KARWACKI, Szymon ÖHMAN, Ulrika (74) ir. W.J.J.M. Kempes (31) 1750998 (32) 16.08.2017 (33) Sweden (47) 03.04.2024	(73) Nippon Soda Co., Ltd. (72) KATO, Kazushige IKEDA, Yoji MIHARA, Ken FUJII, Kazushige OOKA, Hirohito TAKI, Yukina (74) J.M.H. Duyver lic. (31) 2019174531 (32) 25.09.2019 (33) Japan (47) 27.03.2024
(73) Kverneland Group Kerteminde AS (72) GOHL, Stefan PAULI, Marco (74) ir. W.J.J.M. Kempes (31) 102018213241 (32) 07.08.2018 (33) Germany (47) 06.03.2024	(51) A01K 31/00 (11) EP3534698 (21) EP17817214.4 (22) 02.11.2017 (54) POULTRY CONTAINER SIDE PANEL, POULTRY CONTAINER AND ASSEMBLY OF A POULTRY CONTAINER AND AT LEAST ONE SUCH SIDE PANEL	(47) 27.03.2024 ----- (51) A23D 7/01 A23D 9/05 A23J 7/00 A23L 33/00 A23L 33/115 A23L 33/12 A61K 31/201 A61K 31/683 (11) EP3332649 (21) EP17201407.8 (22) 17.03.2011 (54) A METHOD FOR NON-THERAPEUTIC AMELIORATION OF BEHAVIOURAL PERFORMANCE WITH AN INFANT NUTRITION
(51) A01K 1/00 H01L 33/00 H01L 33/52 H01L 33/54 H01L 33/62 A01G 7/00 A01G 9/20 (11) EP3915360 (21) EP20744533.9 (22) 23.01.2020 (54) LED ILLUMINATION UNIT FOR ANIMAL AND PLANT GROWTH, LED ILLUMINATION MODULE FOR ANIMAL AND PLANT GROWTH, SHELF FOR AN ANIMALS AND PLANTS GROWTH RACK, ANIMALS AND PLANTS GROWTH RACK, ANIMAL AND PLANT GROWTH FACTORY	(73) Marel Stork Poultry Processing B.V. (72) HETTERSCHIED, Hendrikus Anthonius KROOT, Marcus Marinus Gerardus CLAESSENS, Roger Pierre Hubertus Maria (74) ir. W.J.J.M. Kempes (31) 2017707 (32) 02.11.2016 (33) Netherlands (47) 14.02.2024	(51) A23D 7/01 A23D 9/05 A23J 7/00 A23L 33/00 A23L 33/115 A23L 33/12 A61K 31/201 A61K 31/683 (11) EP3332649 (21) EP17201407.8 (22) 17.03.2011 (54) A METHOD FOR NON-THERAPEUTIC AMELIORATION OF BEHAVIOURAL PERFORMANCE WITH AN INFANT NUTRITION
(73) DAI NIPPON PRINTING CO., LTD.	(51) A01K 67/033 B65D 85/50 (11) EP3979794 (21) EP20732333.8 (22) 03.06.2020 (54) SYSTEM AND METHOD FOR REARING INVERTEBRATES (73) Protix B.V.	(73) N.V. Nutricia (72) VAN DER BEEK, Eline Marleen SCHIPPER, Anniek Lidewij ABRAHAMSE-BERKEVELD, Marieke SPEELMANS, Gelske (74) dr. R.C. van Duijvenbode c.s. (31) PCT/NL2010/050142

(32) 17.03.2010	(54) SALT REDUCTION IN PROCESSED	(73) G.D S.p.A.
(33) World Intellectual Property Office (WIPO)	CHEESE COMPOSITIONS,	(72) GAMBERINI, Giuliano
(47) 24.04.2024	PROCESSED CHEESE COMPOSITION	ESPOSTI, Marco
(51) A23G 3/02	AND USE	(74) dr. R.C. van Duijvenbode c.s.
A23G 3/34	(73) Purac Biochem B.V.	(31) 202000010621
A23G 3/20	(72) BOUMAN, Simone Johanna	(32) 12.05.2020
A23P 20/12	HOUWELINGEN-DE JONG, Dirkje	(33) Italy
A23P 30/10	(74) dr. R.C. van Duijvenbode c.s.	(47) 10.04.2024
(11) EP3607829	(31) 16169673	(51) A24C 5/32
(21) EP18188412.3	(32) 13.05.2016	(11) EP4009816
(22) 10.08.2018	(33) European Patent Office (EPO)	(21) EP20751671.7
(54) PROCESS FOR APPLYING GRANULAR	(47) 10.04.2024	(22) 06.08.2020
MATERIAL ON OUTER SIDE OF A	(51) A23L 5/10	(54) CONVEYOR AND METHOD FOR
FOOD PRODUCT	A22C 11/00	ALIGNING ROD-SHAPED ARTICLES
(73) Soremartec S.A.	A22C 11/06	(73) G.D S.p.A.
(72) CATALANO, Giorgio	A22C 17/00	(72) GAMBERINI, Giuliano
MOLLO, Marco	A23L 3/22	ARBIZZANI, Moreno
(74) dr. R.C. van Duijvenbode c.s.	A23L 13/60	BRUSCHI, Marco
(47) 07.02.2024	(11) EP4173492	BALOTTA, Stefano
(51) A23G 3/34	(21) EP21205404.3	MALAVOLTA, Massimo
A23G 3/54	(22) 28.10.2021	(74) dr. R.C. van Duijvenbode c.s.
(11) EP4075999	(54) METHOD AND DEVICE FOR HEATING	(31) 201900014352
(21) EP20830132.5	FOOD	(32) 08.08.2019
(22) 14.12.2020	(73) Albert Handtmann Maschinenfabrik	(33) Italy
(54) CONFECTIONERY PRODUCT AND	GmbH & Co. KG	(47) 10.04.2024
MANUFACTURING PROCESS	(72) BERGMANN, Martin	(51) A24D 3/14
THEREOF	EBERHARDT, Kevin	A24B 15/30
(73) Perfetti Van Melle S.p.A.	BORKUS, Peter	A24B 15/28
(72) BOTTINI, Alessandro	(74) dr. R.C. van Duijvenbode c.s.	A24D 3/06
DE JONG, Petrus Henricus	(47) 03.04.2024	(11) EP3888475
VLEUGELS, Tanja Catharina Jozefina	(51) A23L 11/00	(21) EP19910891.1
(74) dr. R.C. van Duijvenbode c.s.	A23L 25/00	(22) 11.10.2019
(31) 201900024027	A23P 30/30	(54) SEAMLESS CAPSULE, AND FILTER
(32) 16.12.2019	(11) EP3086660	AND SMOKING DEVICE INCLUDING
(33) Italy	(21) EP13900452.7	SAME
(47) 10.04.2024	(22) 23.12.2013	(73) Sunsho Pharmaceutical Co., Ltd.
(51) A23L 2/58	(54) PRODUCTION OF EXPANDED NUTS	(72) KOYAMA Kenichi
C07D 487/22	(73) Frito-Lay North America, Inc.	(74) ir. H.A. Witmans c.s.
A23L 5/43	(72) STEWART, Cynthia M.	(31) 2019006785
C09B 61/00	CAMPBELL, Joanna	PCT/JP2019/016612
C09B 67/42	NUNEZ, Daniel Vera	(32) 18.01.2019
C09B 67/54	LYKOMITROS, Dimitris	18.04.2019
C12C 5/04	HAN, Jung	(33) Japan
(11) EP3651588	MCGARVEY, Ray	World Intellectual Property Office (WIPO)
(21) EP18753277.5	(74) ir. W.J.J.M. Kempes	(47) 10.04.2024
(22) 10.07.2018	(47) 10.04.2024	(51) A24F 7/00
(54) METHOD FOR PREPARING A	(51) A23L 33/115	H05B 6/10
COLOUR-STABLE PREPARATION OF	A23L 33/00	(11) EP3806678
A MAGNESIUM CHLOROPHYLLIN	(11) EP4096440	(21) EP19736306.2
ALKALI METAL SALT OR ALKALI	(21) EP21703013.9	(22) 11.06.2019
EARTH METAL SALT FROM NATURAL	(22) 01.02.2021	(54) INDUCTION HEATING SYSTEM AND
SOURCES OF CHLOROPHYLL	(54) NUTRITIONAL COMPOSITION FOR	HEATER
(73) Givaudan SA	USE IN GUT MATURATION	(73) Nicoventures Trading Limited
(72) THORPE, Stuart, David	(73) N.V. Nutricia	(72) AOUN, Walid Abi
KENDRICK, Andrew	(72) VAN SEUNINGEN, Isabelle	(74) ir. W.J.J.M. Kempes
(74) ir. W.J.J.M. Kempes	RENES, Ingrid Brunhilde	(31) 201809786
(31) 201762531081 P	VINCENT, Audrey	(32) 14.06.2018
(32) 11.07.2017	MISCHKE, Mona	(33) United Kingdom
(33) United States of America	(74) dr. R.C. van Duijvenbode c.s.	(47) 06.03.2024
(47) 13.03.2024	(31) 20154806	(51) A41D 27/28
(51) A23L 3/3517	(32) 31.01.2020	A41D 31/102
A23L 27/24	(33) European Patent Office (EPO)	A41D 31/14
A23L 27/00	(47) 03.04.2024	A41D 3/02
A23C 19/05	(51) A24C 5/32	(11) EP3629796
(11) EP3454670	(11) EP3909438	(21) EP18718790.1
(21) EP17722068.8	(21) EP21171137.9	(22) 17.04.2018
(22) 12.05.2017	(22) 29.04.2021	
	(54) TRANSFER UNIT	

- | | | |
|--|---|---|
| <p>(54) BREATHABLE ITEM OF CLOTHING AND BREATHABLE INSERT FOR ITEMS OF CLOTHING</p> <p>(73) Geox S.p.A.</p> <p>(72) POLEGATO MORETTI, Mario
BRUNO, Marco
MATTIONI, Bruno</p> <p>(74) mr. R. Zwamborn</p> <p>(31) 201700056188</p> <p>(32) 24.05.2017</p> <p>(33) Italy</p> <p>(47) 14.02.2024</p> <hr/> <p>(51) A43B 13/12
A43B 13/18
A43B 23/02</p> <p>(11) EP4093234</p> <p>(21) EP21701736.7</p> <p>(22) 21.01.2021</p> <p>(54) MIDSOLE HAVING A CLEAR FREE SPACE</p> <p>(73) On Clouds GmbH</p> <p>(72) BERNHARD, Olivier
HEITZ, Ilmarin
BRUNNER, Thilo Alex</p> <p>(74) ir. F.A. Geurts c.s.</p> <p>(31) 782020</p> <p>(32) 23.01.2020</p> <p>(33) Switzerland</p> <p>(47) 10.04.2024</p> <hr/> <p>(51) A46D 1/00
A46D 1/08</p> <p>(11) EP3251547</p> <p>(21) EP16172797.9</p> <p>(22) 03.06.2016</p> <p>(54) FILAMENT FOR AN ORAL CARE IMPLEMENT AND ORAL CARE IMPLEMENT</p> <p>(73) The Procter & Gamble Company</p> <p>(72) Claire-Zimmet, Karen Lynn
Mark, Erwin Paul
Franke, Sven Alexander
Kawerau, Jochen Erich
Alinski, Jens
Jungnickel, Uwe</p> <p>(74) ir. W.J.J.M. Kempes</p> <p>(47) 17.04.2024</p> <hr/> <p>(51) A47G 9/02
A47G 9/04</p> <p>(11) EP3870002</p> <p>(21) EP19836847.4</p> <p>(22) 22.10.2019</p> <p>(54) BEDDING ASSEMBLY, DUVET COVER AND FIXATION DEVICE</p> <p>(73) Circulairdreams B.V.</p> <p>(72) VAN BEYNUM, Johan Ronald
VAN BEYNUM, Henriette Willemina</p> <p>(74) drs. A.A. Jilderda</p> <p>(31) 2021857</p> <p>(32) 23.10.2018</p> <p>(33) Netherlands</p> <p>(47) 31.01.2024</p> <hr/> <p>(51) A47J 37/12
G01F 23/26</p> <p>(11) EP3764858</p> <p>(21) EP19766574.8</p> <p>(22) 15.03.2019</p> <p>(54) FLUID TOP-OFF DETECTION AND CONTROL SYSTEM</p> | <p>(73) Pitco Frialator, Inc.</p> <p>(72) SEARL, Karl M.
CYR, Steven J.
FECTEAU, Michael T.</p> <p>(74) ir. A. Blokland c.s.</p> <p>(31) 201862643882 P</p> <p>(32) 16.03.2018</p> <p>(33) United States of America</p> <p>(47) 10.04.2024</p> <hr/> <p>(51) A47K 13/26</p> <p>(11) EP3554330</p> <p>(21) EP17817736.6</p> <p>(22) 14.12.2017</p> <p>(54) NUT, HINGE, TOILET SEAT, CONNECTOR, FASTENING SYSTEM, AND ARRANGEMENT</p> <p>(73) Villeroy & Boch AG</p> <p>(72) ZENNER, Timo
KRÄMER, Jörg
TRESOLDI, Antonio</p> <p>(74) dr. R.C. van Duijvenbode c.s.</p> <p>(31) 202017102020 U
202017102019 U
102016124344</p> <p>(32) 05.04.2017
05.04.2017
14.12.2016</p> <p>(33) Germany
Germany
Germany</p> <p>(47) 07.02.2024</p> <hr/> <p>(51) A61B 1/00
A61B 1/018</p> <p>(11) EP4111939</p> <p>(21) EP22186025.7</p> <p>(22) 01.11.2019</p> <p>(54) BIOPSY CAP AND BIOPSY CAP HOUSING</p> <p>(73) Boston Scientific Medical Device Limited</p> <p>(72) RAJARATHNAM, Boopathi
BHAROS, Amit
ANEJA, Harchetan S
UPADHYAY, Swami</p> <p>(74) ir. A.R. Aalbers</p> <p>(31) 201962834201 P
201962834192 P
201862768808 P
201862755024 P</p> <p>(32) 15.04.2019
15.04.2019
16.11.2018
02.11.2018</p> <p>(33) United States of America
United States of America
United States of America
United States of America</p> <p>(47) 28.02.2024</p> <hr/> <p>(51) A61B 5/00
A61B 5/145
G06N 5/04
A61B 5/01
A61B 5/024
A61B 5/08
A61B 5/11
G06N 20/00
G16H 20/17
G16H 40/67
G16H 50/20</p> | <p>(11) EP3749183</p> <p>(21) EP19751580.2</p> <p>(22) 06.02.2019</p> <p>(54) SYSTEM FOR DECISION SUPPORT</p> <p>(73) DexCom, Inc.</p> <p>(72) DATTARAY, Basab
MCBRIDE, Patrick Wile
GRAY, John Michael
WEIDEBACK, Daniel Justin
SIMPSON, Peter C.
COHEN, Eric
POLYTARIDIS, Nicholas
VOGEL, Matthew T.
KOEHLER, Katherine Yerre
MIKAMI, Sumitaka
CONSTANTIN, Alexandra Elena
GARCIA, Arturo
PAI, Subrai Girish
MAYOU, Phil
PAL, Andrew Attila
MENSINGER, Michael Robert
DRAEGER, Rian
BELLIVEAU, Scott M.
REIHMAN, Eli
BHAVARAJU, Naresh C.
WALKER, Tomas C.
DAVIS, Anna Leigh
KAMATH, Apurv Ullas
BLACKWELL, Jennifer
HEINTZMAN, Nathaniel David
HAMPAPURAM, Hari
JEPSON, Lauren Hruby
JOHNSON, Matthew Lawrence
PUPA, Philip Thomas</p> <p>(74) dr. W.A.H.M. Van Borm</p> <p>(31) 201862628895 P</p> <p>(32) 09.02.2018</p> <p>(33) United States of America</p> <p>(47) 10.04.2024</p> <hr/> <p>(51) A61B 5/022
A61B 5/021</p> <p>(11) EP3687390</p> <p>(21) EP18860785.7</p> <p>(22) 26.09.2018</p> <p>(54) FINGER BLOOD PRESSURE CUFF</p> <p>(73) Fitbit, Inc.</p> <p>(72) DOBROIU, Radu
TUDOSE, Dan Stefan
ZHANG, Xi
RICHARDS, Peter W.
WONG, Keith Adam
HENEGHAN, Conor Joseph
SOLOT, Alexandru-Mihai
AXLEY, Andrew Larsen</p> <p>(74) dr. R.C. van Duijvenbode c.s.</p> <p>(31) 201715855932
201762566202 P</p> <p>(32) 27.12.2017
29.09.2017</p> <p>(33) United States of America
United States of America</p> <p>(47) 03.04.2024</p> <hr/> <p>(51) A61B 5/055
A61B 6/03
A61G 11/00
A61G 13/02
A61G 13/10
G01R 33/30</p> |
|--|---|---|

(11) EP2999404	CROUTHER, Nathan, Christopher	(54) ULTRASOUND TREATMENT
(21) EP14800847.7	BERMAN, Glenn, Howard	APPARATUS WITH AUTOMATIC
(22) 21.05.2014	(74) ir. F.A. Geurts c.s.	SETPOINT CONTROL
(54) AN MRD ASSEMBLY OF SCANNER	(31) 201361922765 P	(73) Société pour la Conception des
AND CART	201361799139 P	Applications des Techniques
(73) Aspect Imaging Ltd.	(32) 31.12.2013	Electroniques - SATELEC
(72) RAPOPORT, Uri	15.03.2013	(72) CAPET, Xavier
(74) dr. R.C. van Duijvenbode c.s.	(33) United States of America	RECHE, Charles
(31) 22648813	United States of America	(74) dr. ir. G.J.C. Verdijck c.s.
201461994901 P	(47) 10.04.2024	(31) 1750730
(32) 21.05.2013	(51) A61B 17/00	(32) 30.01.2017
18.05.2014	(11) EP3858254	(33) France
(33) Israel	(21) EP21163623.8	(47) 21.02.2024
United States of America	(22) 05.12.2014	(51) A61B 17/34
(47) 24.04.2024	(54) VASCULAR CLOSURE DEVICE	A61B 10/02
(51) A61B 5/11	(73) Teleflex Life Sciences LLC	A61M 5/158
A61B 5/024	(72) GRINTZ, Joseph, T.	(11) EP3801315
A61B 5/1455	WALTERS, Greg	(21) EP19815861.0
A61B 5/01	(74) dr. R.C. van Duijvenbode c.s.	(22) 09.04.2019
A61B 5/021	(31) 201361920207 P	(54) INTRAOSSEOUS INFUSION DEVICE
A61B 5/08	(32) 23.12.2013	(73) Matek Medikal Aygıtlar Teknoloji Sanayi
G16H 50/50	(33) United States of America	Ve Ticaret Anonim Sirketi
(11) EP3057497	(47) 24.04.2024	(72) YAGMURLU, Musa
(21) EP14787033.1	(51) A61B 17/04	(74) J.M.H. Duyver lic.
(22) 15.10.2014	A61F 2/24	(31) 201808113
(54) OPTO-PHYSIOLOGICAL SENSOR AND	(11) EP3993713	(32) 07.06.2018
METHOD OF ASSEMBLY	(21) EP20750872.2	(33) Türkiye
(73) Carelight Limited	(22) 02.07.2020	(47) 07.02.2024
(72) HU, Sijung	(54) DEVICES AND SYSTEMS FOR	(51) A61B 17/34
AZORIN-PERIS, Vicente	ARTIFICIAL CHORDAE TENDINEAE	A61B 18/14
(74) ir. F.A. Geurts c.s.	(73) Boston Scientific Scimed, Inc.	A61M 25/01
(31) 201318390	(72) KENNEDY, Brian	A61F 2/04
(32) 17.10.2013	SHUEY, Daniel	A61M 25/00
(33) United Kingdom	ROHL, James P.	A61B 17/00
(47) 14.02.2024	EGGERT, Joel T.	A61F 2/962
(51) A61B 5/145	PENNINGTON, Douglas	A61L 29/14
(11) EP3925533	ABBOTT, Aaron	A61L 29/02
(21) EP21177144.9	KOUDELA, Christopher J.	A61L 29/04
(22) 29.04.2010	WALKER, Joseph	(11) EP3982850
(54) PERFORMANCE REPORTS	(74) ir. W.J.J.M. Kempes	(21) EP20793867.1
ASSOCIATED WITH CONTINUOUS	(31) 201962873357 P	(22) 30.09.2020
SENSOR DATA FROM MULTIPLE	201962873352 P	(54) ENDOSCOPIC CATHETER DEVICE
ANALYSIS TIME PERIODS	201962870343 P	(73) Boston Scientific Scimed, Inc.
(73) DexCom, Inc.	(32) 12.07.2019	(72) SCOTT, Serena
(72) Ruppert, Deborah M.	12.07.2019	HANSEN, Katrina
Mensingher, Michael R.	03.07.2019	CALLAGHAN, David
(74) dr. W.A.H.M. Van Borm	(33) United States of America	ELLIS-RECH, David Shlomo Rafael
(31) 174436 P	United States of America	STORBECK, Gene Thomas
(32) 30.04.2009	United States of America	TASSONI, Anthony Frank, Jr.
(33) United States of America	(47) 21.02.2024	(74) ir. A.R. Aalbers
(47) 10.04.2024	(51) A61B 17/122	(31) 201962928082 P
(51) A61B 5/145	(11) EP3709900	(32) 30.10.2019
G01N 33/66	(21) EP18812518.1	(33) United States of America
G16H 50/30	(22) 14.11.2018	(47) 17.04.2024
A61B 5/00	(54) SURGICAL CLIP	(51) A61B 34/30
(11) EP3409201	(73) Teleflex Medical Incorporated	A61B 17/295
(21) EP18164155.6	(72) FOSHEE, David Lee	A61B 17/00
(22) 15.03.2014	(74) ir. H.J.G. Lips c.s.	A61B 17/29
(54) SYSTEM AND METHOD TO MANAGE	(31) 201762585795 P	A61B 18/14
DIABETES BASED ON GLUCOSE	(32) 14.11.2017	(11) EP3352695
MEDIAN, GLUCOSE VARIABILITY, AND	(33) United States of America	(21) EP16849680.0
HYPOGLYCEMIC RISK	(47) 10.04.2024	(22) 23.09.2016
(73) Abbott Diabetes Care, Inc.	(51) A61B 17/32	(54) ROBOTIC SURGICAL ASSEMBLIES
(72) HAYTER, Gary, Alan	A61C 1/07	AND ELECTROMECHANICAL
WOLPERT, Howard	A61B 17/00	INSTRUMENTS THEREOF
DUNN, Timothy, Christian	(11) EP3573549	(73) Covidien LP
BUDIMAN, Erwin, Satrya	(21) EP18705687.4	(72) KOPP, Brock
DONIGER, Kenneth	(22) 29.01.2018	(74) ir. W.J.J.M. Kempes

(31) 201562232600 P	(11) EP4166116	(54) ABSORBENT ARTICLE WITH IMPROVED PERFORMANCE
(32) 25.09.2015	(21) EP22211524.8	(73) The Procter & Gamble Company
(33) United States of America	(22) 14.05.2019	(72) VIENS, Gerard, A.
(47) 17.04.2024	(54) VALVE AND PROSTHETIC KNEE JOINT HAVING SUCH A VALVE	NARANJOMARTIN, Carlos, Domingo
(51) A61F 2/01	(73) Ottobock SE & Co. KGaA	MELLOR, Paul, Dominic
(11) EP3700464	(72) BOITEN, Herman	KNORR, Andreas
(21) EP18801213.2	(74) dr. R.C. van Duijvenbode c.s.	(74) ir. W.J.J.M. Kempes
(22) 29.10.2018	(31) 102018111441	(31) 201962946738 P
(54) SYSTEMS FOR PROTECTING THE CEREBRAL VASCULATURE	(32) 14.05.2018	201962946725 P
(73) Boston Scientific Scimed, Inc.	(33) Germany	201962829280 P
(72) PURCELL, Cameron Paul	(47) 20.03.2024	(32) 11.12.2019
FIELDS, Antony J.	(51) A61F 2/966	11.12.2019
HAMILL, Whittaker Ian	(11) EP3820412	04.04.2019
FIFER, Daniel Wayne	(21) EP19745523.1	(33) United States of America
(74) ir. W.J.J.M. Kempes	(22) 10.07.2019	United States of America
(31) 201762577870 P	(54) MOTORIZED TELESCOPING MEDICAL DEVICE DELIVERY SYSTEM WITH MECHANICAL BAILOUT FEATURE	United States of America
(32) 27.10.2017	(73) Boston Scientific Scimed, Inc.	(47) 17.04.2024
(33) United States of America	(72) GAGNER, Eric	(51) A61G 12/00
(47) 14.02.2024	SWEHLA, Bradley S.	A61G 13/10
(51) A61F 2/07	POPPE, Kevin Robert	(11) EP3876891
(11) EP4076275	SCHEFF, Christopher Jay	(21) EP19801502.6
(21) EP20838929.6	FOSTER, Daniel J.	(22) 31.10.2019
(22) 15.12.2020	(74) ir. W.J.J.M. Kempes	(54) SUPPLY DEVICE FOR PROVIDING AT LEAST ONE SUPPLYING PRODUCT
(54) MULTIPLE STENT WITH MEMBRANE	(31) 201862696415 P	(73) Ondal Medical Systems GmbH
(73) Stental GmbH	(32) 11.07.2018	(72) PERPLIES, Stefan
(72) NEUß, Malte	(33) United States of America	KIEL, Hartmuth
(74) ir. W.J.J.M. Kempes	(47) 14.02.2024	ABEL, Markus
(31) 102019135453	(51) A61F 5/44	OGINSKI, Stefan
(32) 20.12.2019	(11) EP3544554	(74) dr. R.C. van Duijvenbode c.s.
(33) Germany	(21) EP17812173.7	(31) 18204425
(47) 07.02.2024	(22) 22.11.2017	(32) 05.11.2018
(51) A61F 2/24	(54) DRAINAGE SYSTEM FOR OSTOMY POUCH	(33) European Patent Office (EPO)
A61F 2/95	(73) Hollister Incorporated	(47) 31.01.2024
B25B 27/10	(72) AUGUSTYN, Christina	(51) A61H 31/00
B30B 7/04	TETZLAFF, Patrick, C.	A61N 1/39
(11) EP4219127	GRUM-SCHWENSEN, Christen	(11) EP3888613
(21) EP23161697.0	NEILSEN, Kenneth	(21) EP21176832.0
(22) 11.09.2006	VISCONTI, Peter, L.	(22) 18.02.2020
(54) PROSTHETIC VALVE CRIMPING DEVICE	SCALISE, Anthony	(54) DEFIBRILLATOR PROVIDING CARDIO PULMONARY RESUSCITATION FEEDBACK
(73) Edwards Lifesciences Corporation	TORSTENSEN, Jan	(73) Stryker European Operations Limited
(72) Benichou, Netanel	CISKO, George, J., Jr.	(72) Anderson, Johnny
Spenser, Benjamin	LEADINGHAM, Brian, T.	McAlister, Olibhear
(74) ir. F.A. Geurts c.s.	(74) ir. W.J.J.M. Kempes	Donaghy, Dymphna
(31) 71601105 P	(31) 201662425429 P	Torney, Hannah
(32) 09.09.2005	(32) 22.11.2016	Harvey, Adam
(33) United States of America	(33) United States of America	(74) dr. A. Krebs
(47) 07.02.2024	(47) 17.04.2024	(31) 201902526
(51) A61F 2/26	(51) A61F 5/441	(32) 25.02.2019
(11) EP4062876	(11) EP4233808	(33) United Kingdom
(21) EP22170374.7	(21) EP23180556.5	(47) 10.04.2024
(22) 13.05.2019	(22) 10.07.2019	(51) A61K 9/08
(54) MULTIPLE PUMP SYSTEM FOR INFLATABLE PENILE PROSTHESIS	(54) OSTOMY POUCH FILTER	A61K 9/66
(73) Boston Scientific Scimed, Inc.	(73) Hollister Incorporated	A61K 38/28
(72) SMITH, Noel	(72) BOTTEN, Ronald, S.	A61K 38/26
WEBER, Jan	(74) ir. W.J.J.M. Kempes	A61K 9/19
(74) ir. H.J.G. Lips c.s.	(31) 201862696179 P	A61K 9/48
(31) 201916409134	(32) 10.07.2018	A61K 38/17
201862671583 P	(33) United States of America	A61K 38/56
(32) 10.05.2019	(47) 10.04.2024	A61K 47/42
15.05.2018	(51) A61F 13/537	A61P 3/08
(33) United States of America	A61F 13/538	A61P 43/00
United States of America	(11) EP3946193	(11) EP4082530
(47) 14.02.2024	(21) EP20720994.1	(21) EP22162188.1
(51) A61F 2/64	(22) 27.03.2020	(22) 31.01.2013

- (54) PROTEASE INHIBITOR-CONTAINING COMPOSITIONS, COMPOSITIONS COMPRISING SAME, AND METHODS FOR PRODUCING AND USING SAME
- (73) Oramed Ltd.
- (72) KIDRON, Miriam
HERSHKO, Avraham
- (74) ir. W.J.J.M. Kempes
- (31) 201261634753 P
201261632868 P
- (32) 06.03.2012
01.02.2012
- (33) United States of America
United States of America
- (47) 10.04.2024
-
- (51) A61K 31/06
A61K 9/50
A61K 9/00
A61K 45/06
A61P 1/16
A61P 3/00
A61P 3/04
A61P 3/06
A61P 3/10
A61P 25/02
A61P 29/00
A61P 35/00
A61P 39/06
A61P 43/00
A61P 5/50
A61P 25/00
- (11) EP3038611
- (21) EP14839060.2
- (22) 29.08.2014
- (54) SUSTAINED-RELEASE PHARMACEUTICAL COMPOSITION COMPRISING 2,4-DINITROPHENOL
- (73) Yale University
- (72) SHULMAN, Gerald I.
PERRY, Rachel Jamison
- (74) dr. R.C. van Duijvenbode c.s.
- (31) 201361919003 P
201361872294 P
- (32) 20.12.2013
30.08.2013
- (33) United States of America
United States of America
- (47) 17.04.2024
-
- (51) A61K 31/351
A61K 9/08
A61K 9/14
A61K 31/555
A61K 47/10
A61K 47/12
A61K 47/18
A61K 47/24
A61K 47/26
A61K 47/36
A61K 47/42
A61K 47/50
A61P 35/00
A61K 9/00
- (11) EP3453390
- (21) EP17792775.3
- (22) 02.05.2017
- (54) POLYMERIZED DRUG-CONTAINING PHARMACEUTICAL COMPOSITION
- (73) Biodynamic Research Foundation
- (72) FANG, Jun
MAEDA, Hiroshi
- (74) dr. ir. G.J.C. Verdijck c.s.
- (31) 2016093407
- (32) 06.05.2016
- (33) Japan
- (47) 14.02.2024
-
- (51) A61K 31/428
C07D 277/82
A61P 35/00
- (11) EP4019019
- (21) EP21207246.6
- (22) 19.05.2017
- (54) USE OF RILUZOLE, RILUZOLE PRODRUGS OR RILUZOLE ANALOGS WITH IMMUNOTHERAPIES TO TREAT CANCERS
- (73) Biohaven Pharmaceutical Holding Company Ltd.
- (72) CORIC, Vladimir
- (74) ir. H.A. Witmans c.s.
- (31) 201662339433 P
- (32) 20.05.2016
- (33) United States of America
- (47) 07.02.2024
-
- (51) A61K 31/4365
A61P 13/12
- (11) EP4125887
- (21) EP21715913.6
- (22) 02.04.2021
- (54) USE OF A THIENOPYRIDONE DERIVATIVE IN THE TREATMENT OF AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE (ADPKD)
- (73) Poxel
- (72) HALLAKOU-BOZEC, Sophie
FOUQUERAY, Pascale
BOLZE, Sébastien
- (74) ir. W.J.J.M. Kempes
- (31) 20167687
- (32) 02.04.2020
- (33) European Patent Office (EPO)
- (47) 07.02.2024
-
- (51) A61K 31/485
A61K 31/439
A61K 31/444
A61K 31/4709
A61K 31/497
A61K 31/501
A61K 31/506
A61P 21/00
A61P 25/04
A61P 25/06
A61P 25/22
A61P 25/24
A61P 43/00
- (11) EP3513792
- (21) EP17851013.7
- (22) 15.09.2017
- (54) MORPHINAN DERIVATIVES FOR THE TREATMENT OF OPIOID DELTA RECEPTOR AGONIST-RELATED DISEASES
- (73) Nippon Chemiphar Co., Ltd.
- (72) SAITOH, Akiyoshi
FUJII, Hideaki
HIROSE, Masaaki
NAGASE, Hiroshi
- NAKATA, Eriko
OOI, Isao
HAYASHIDA, Kohei
- (74) dr. G. Visser-Luirink
- (31) 2016203925
- (32) 16.09.2016
- (33) Japan
- (47) 27.03.2024
-
- (51) A61K 31/496
A61K 31/5377
A61K 45/06
A61P 25/00
- (11) EP3952872
- (21) EP20719737.7
- (22) 09.04.2020
- (54) CARBAMOYL CYCLOHEXANE DERIVATIVES FOR TREATING AUTISM SPECTRUM DISORDER
- (73) Richter Gedeon Nyrt.
- (72) ADHAM-PARANGI, Nika
PO-JEN YEUNG, Paul
ROMÁN, Viktor
ROGER EARLEY, Willie
- (74) ir. W.J.J.M. Kempes
- (31) 1900121
- (32) 10.04.2019
- (33) Hungary
- (47) 13.03.2024
-
- (51) A61K 31/513
A61P 1/16
- (11) EP3206692
- (21) EP15851238.4
- (22) 14.10.2015
- (54) FATTY LIVER DISEASE TREATMENT USING GLUCOCORTICOID AND MINERALOCORTICOID RECEPTOR ANTAGONISTS
- (73) Corcept Therapeutics Incorporated
- (72) VAN DEN HEUVEL, Jose
BELANOFF, Joseph K.
MEIJER, Onno C.
HUNT, Hazel
- (74) dr. R.C. van Duijvenbode c.s.
- (31) 201462092041 P
201462064358 P
- (32) 15.12.2014
15.10.2014
- (33) United States of America
United States of America
- (47) 03.04.2024
-
- (51) A61K 35/00
- (11) EP3535392
- (21) EP17797585.1
- (22) 30.10.2017
- (54) IMMUNOLOGICALLY DISCERNIBLE CELL SURFACE VARIANTS FOR USE IN CELL THERAPY
- (73) Universität Basel
- (72) MATTER MARONE, Romina
JEKER, Lukas
BORDOLI SCHWEDE, Lorenza
RECHER, Mike
LEPORE, Rosalba
KORNETE, Mara
SCHWEDE, Torsten
- (74) ir. W.J.J.M. Kempes
- (31) PCT/EP2017/059799
17197820

16196858	(21) EP20757443.5	(21) EP15706459.3
16196860	(22) 30.07.2020	(22) 23.02.2015
(32) 25.04.2017	(54) METHODS OF TREATING	(54) NOVEL POLYSACCHARIDE AND USES
23.10.2017	MULTIFOCAL CANCER	THEREOF
02.11.2016	(73) Nymox Corporation	(73) GlaxoSmithKline Biologicals S.A.
02.11.2016	(72) AVERBACK, Paul	(72) HÄUPTLE, Micha, A.
(33) World Intellectual Property Office (WIPO)	(74) dr. R.C. van Duijvenbode c.s.	WETTER, Michael, L.
European Patent Office (EPO)	(31) 201916528390	GAMBILLARA, Veronica
European Patent Office (EPO)	(32) 31.07.2019	KEMMLER, Stefan, J.
European Patent Office (EPO)	(33) United States of America	KOWARIK, Michael, T.
(47) 27.03.2024	(47) 13.03.2024	MALLY, Manuela
(51) A61K 36/15	(51) A61K 38/40	(74) dr. R.C. van Duijvenbode c.s.
A61K 36/899	A61K 45/06	(31) 201461943710 P
A61K 31/355	A61K 31/16	(32) 24.02.2014
A61P 15/08	A61K 31/198	(33) United States of America
A61K 31/122	A61K 31/4196	(47) 03.04.2024
A61K 45/06	A61K 31/4412	(51) A61K 45/00
(11) EP3675960	A61P 9/10	A61P 31/06
(21) EP18758631.8	A61P 41/00	(11) EP3990020
(22) 27.08.2018	A61P 39/04	(21) EP20733478.0
(54) COMPOSITION FOR USE OF SAME	A61K 31/4704	(22) 23.06.2020
IN THE TREATMENT AND/OR	A61K 31/223	(54) INHIBITOR OF SURFACE PROTEIN
PREVENTION OF INFERTILITY	A61K 31/426	(SP-D) / SIRPA / SHP2 PATHWAY
(73) AXEEN PHARMA S.A.R.L.	A61K 31/472	FOR USE IN THE PREVENTION AND/
(72) MORRA, Sossio	A61P 25/28	OR TREATMENT OF SECONDARY
(74) ir. W.J.J.M. Kempes	(11) EP3795171	INFECTION
(31) 1770894	(21) EP20197590.1	(73) Nantes Université
(32) 28.08.2017	(22) 08.06.2015	CHU de Nantes - Centre Hospitalier
(33) France	(54) TRANSFERRIN FOR USE IN KIDNEY	Universitaire de Nantes
(47) 27.03.2024	TRANSPLANTATION	(72) JACQUELINE, Cédric
(51) A61K 36/48	(73) Grifols Worldwide Operations Limited	ROQUILLY, Antoine
A61K 38/01	(72) CRUMRINE, RALPH CHRISTIAN	ASEHNOUNE, Karim
A61K 38/16	ROSS, DAVID A.	(74) ir. W.J.J.M. Kempes
A61K 31/192	(74) dr. ir. F.M. van Bouwelen	(31) 19305836
A61K 31/216	(31) 201462023446 P	(32) 25.06.2019
A61K 31/37	(32) 11.07.2014	(33) European Patent Office (EPO)
A61K 36/74	(33) United States of America	(47) 07.02.2024
A61K 36/185	(47) 10.04.2024	(51) A61K 47/36
A61P 15/02	(51) A61K 38/46	G02C 13/00
A61P 17/00	A61K 47/26	A61P 27/02
A61P 17/02	A61P 3/00	A61L 12/14
A61P 17/06	A61K 9/00	A61K 9/08
A61P 17/08	(11) EP3397270	A61K 9/00
A61P 17/10	(21) EP16882018.1	A61P 27/04
A61P 31/10	(22) 21.12.2016	(11) EP3466448
A61P 33/02	(54) COMPOSITIONS FOR USE IN THE	(21) EP16903032.7
A61Q 19/00	TREATMENT OF HUNTER SYNDROME	(22) 26.05.2016
A61K 8/36	(73) Medigenebio Corporation	(54) LIQUID PREPARATION FOR CONTACT
A61K 8/64	Green Cross Corporation	LENSES COMPRISING HYDROLYZED
A61K 9/06	(72) JIN, Thong-Gyu	HYALURONIC ACID DERIVATIVE AND
A61K 9/00	BYUN, Han-Yeul	CATIONIC BACTERICIDE
(11) EP4081234	KIM, Yong-Chul	(73) Ophtecs Corporation
(21) EP20839013.8	JANG, In-Young	(72) YAMAZAKI, Katsuhide
(22) 21.12.2020	SEO, Jin-Wook	NAKAGAWA, Haruki
(54) TOPICAL COMPOSITIONS	LEE, Kyuhyun	(74) J.M.H. Duyver lic.
COMPRISING PEA PROTEINS AND	OKUYAMA, Torayuki	(47) 27.03.2024
POLYPHENOLS	LEE, Byoung-Ju	(51) A61K 48/00
(73) DEVINTEC SAGL	(74) ir. A. Blokland c.s.	C12N 15/11
(72) ALONSO COHEN, Miguel Angel	(31) 201662369970 P	C12N 15/113
DI FULVIO, Marco	201562272843 P	(11) EP3442561
(74) dr. R.C. van Duijvenbode c.s.	(32) 02.08.2016	(21) EP17783235.9
(31) 201900025246	30.12.2015	(22) 14.04.2017
(32) 23.12.2019	(33) United States of America	(54) ADENO-ASSOCIATED VIRUS VECTOR
(33) Italy	United States of America	DELIVERY OF MICRORNA-29 AND
(47) 03.04.2024	(47) 17.04.2024	MICRO-DYSTROPHIN TO TREAT
(51) A61K 38/00	(51) A61K 39/02	MUSCULAR DYSTROPHY
A61P 35/00	C07K 14/24	(73) Research Institute at Nationwide
(11) EP4003533	(11) EP3110441	Children's Hospital

(72) RODINO-KLAPAC, Louise	(22) 02.05.2017	28.08.2014
MENDELL, Jerry, R.	(54) BIOACTIVE SOFT TISSUE IMPLANT	28.08.2014
HELLER, Kristin, N.	AND METHODS OF MANUFACTURE	(33) United States of America
(74) ir. W.J.J.M. Kempes	AND USE THEREOF	United States of America
(31) 201762473253 P	(73) Howmedica Osteonics Corp.	United States of America
201662323163 P	(72) HAVENER, Matt	(47) 06.03.2024
(32) 17.03.2017	SMITH, Sarah Elisabeth	(51) A61M 5/32
15.04.2016	BURLEY, J. Brook	A61M 5/28
(33) United States of America	ARAZAWA, David	A61J 1/06
United States of America	SHETH, Sonny	(11) EP3592409
(47) 14.02.2024	SAN ANTONIO, James	(21) EP18763131.2
(51) A61L 2/10	(74) ir. F.A. Geurts c.s.	(22) 09.03.2018
A61L 2/24	(31) 201662330584 P	(54) DENTAL SAFETY SYRINGE
A61L 9/20	(32) 02.05.2016	(73) Shaw, Thomas J.
A61N 5/06	(33) United States of America	Retractable Technologies, Inc.
H01L 25/075	(47) 10.04.2024	(72) SMALL, Mark
H01L 33/50	(51) A61L 27/50	SHAW, Thomas, J.
F21V 33/00	A61L 27/06	(74) ir. F.A. Geurts c.s.
H05B 45/10	A61L 27/56	(31) 201762469294 P
F21Y 113/13	A61F 2/00	(32) 09.03.2017
(11) EP3323146	(11) EP3760241	(33) United States of America
(21) EP16757271.8	(21) EP18907537.7	(47) 10.04.2024
(22) 14.07.2016	(22) 01.03.2018	(51) A61M 15/00
(54) USE OF A LIGHT EMITTING DIODE	(54) TENSION-FREE TITANIUM METAL	(11) EP3612260
BASED LIGHTING DEVICE FOR	WARP KNIT FABRIC FOR SURGICALLY	(21) EP18725666.4
DISINFECTION	SHAPING SOFT TISSUES	(22) 18.04.2018
(73) CalyxPure, Inc.	(73) Titanium Textiles AG	(54) REPLACEABLE FLOW TRACT FOR AN
(72) RANTALA, Juha	(72) ALEHIN, Alexandr Ivanovich	INHALER
(74) J.M.H. Duyver lic.	KAZANTSEV, Anton Anatolevich	(73) Syqe Medical Ltd.
(31) 201514798496	YUSUPOV, Ajrat Auhatovich	(72) SCHWARTZ, Binyamin
(32) 14.07.2015	ZAVARUEV, Vladimir Andreevich	MEYER, Abraham
(33) United States of America	(74) dr. ir. F.M. van Bouwelen	KURGAN, Itay
(47) 28.02.2024	(47) 17.04.2024	SCHORR, Aaron
(51) A61L 9/22	(51) A61M 1/16	DENIZEL, Avishay
A61L 2/232	A61M 1/36	RESHEF, Nimrod
A61L 2/238	(11) EP4021527	LIFSHITZ, Roei
F24F 8/192	(21) EP20775396.3	ROSENTHAL KAPLAN, Geva
B03C 3/08	(22) 26.08.2020	(74) ir. W.J.J.M. Kempes
B03C 3/016	(54) DRUG PERFUSION INTO AN	(31) 201762487583 P
B03C 3/41	UNARRESTED BEATING HEART	(32) 20.04.2017
B03C 3/47	(73) Dinaqor AG	(33) United States of America
B03C 3/60	(72) HOLZMEISTER, Johannes	(47) 27.03.2024
F24F 110/20	RICOTTI, Valeria	(51) A61M 16/00
(11) EP3621662	(74) J.M.H. Duyver lic.	(11) EP3919105
(21) EP18797520.6	(31) 201962892164 P	(21) EP21000138.4
(22) 11.05.2018	(32) 27.08.2019	(22) 17.05.2021
(54) AIR DECONTAMINATION DEVICE	(33) United States of America	(54) INTERFACE FOR VENTILATOR
(73) Biomoneta Research Pvt Ltd	(47) 06.03.2024	(73) Löwenstein Medical Technology S.A.
(72) GHATAK, Arindam	(51) A61M 5/20	(72) Alberts, John
RAMANUJAN, Kadambi Sarangapani	A61M 5/44	Adametz, Benjamin
DATTA, Santanu	A61B 90/98	(74) ir. W.J.J.M. Kempes
JOSHI, Jayateerth	A61M 5/315	(31) 102020003438
RAGHUNATHAN, Srikrishnan	(11) EP3733228	(32) 06.06.2020
SRINIVASAN, Ramesh	(21) EP20182012.3	(33) Germany
VENKATRAMAN, Srividya Janani	(22) 28.08.2015	(47) 13.03.2024
(74) J.M.H. Duyver lic.	(54) SENSOR SYSTEMS FOR DRUG	(51) A61M 21/00
(31) 201741016833	DELIVERY DEVICES	A61B 5/11
(32) 12.05.2017	(73) UNL Holdings LLC	A61B 5/0205
(33) India	(72) KING, William	A61B 5/00
(47) 03.04.2024	KING, Andrew	(11) EP3199197
(51) A61L 27/36	MARLIN, Arthur	(21) EP15722431.2
A61L 27/46	DAVIS, Madeline	(22) 20.01.2015
A61L 27/54	CROSS, Lee	(54) SLEEP AWAKENING SYSTEM AND
A61L 31/00	(74) ir. W.J.J.M. Kempes	METHOD
A61L 31/12	(31) 201462080603 P	(73) BOE Technology Group Co., Ltd.
A61L 31/16	201462043239 P	(72) CHEN, Ruisi
(11) EP3782658	201462043217 P	(74) ir. W.J.J.M. Kempes
(21) EP20187075.5	(32) 17.11.2014	(31) 201410489808

(32) 23.09.2014	G16H 40/40	(54) DOSING REGIMEN FOR ANTI-BCMA AGENTS
(33) China	A61N 1/02	(73) Amgen Research (Munich) GmbH
(47) 13.03.2024	(11) EP3873586	Amgen Inc.
(51) A61M 37/00	(21) EP19878741.8	(72) MINELLA, Alexander
(11) EP4132633	(22) 01.11.2019	UPRETI, Vijay
(21) EP21720701.8	(54) METHOD FOR OPERATING A SYSTEM FOR MANAGEMENT OF IMPLANTABLE MEDICAL DEVICES	STIEGLMAIER, Julia
(22) 08.04.2021	(73) Advanced Neuromodulation Systems, Inc.	HUBER, Birgit
(54) MARKING MODULE FOR AN APPLIANCE INTENDED FOR APPLYING A COLORANT, AND APPLIANCE USING SUCH A MARKING MODULE	(72) CRAWFORD, Chris S.L.	(74) ir. W.J.J.M. Kempes
(73) Armink Tattoo Body Art	(74) ir. F.A. Geurts c.s.	(31) 19208417
(72) VOLDEN, Tormod	(31) 201816179726	(32) 11.11.2019
REVOL, Vincent	(32) 02.11.2018	(33) European Patent Office (EPO)
KAUFFMANN, Steven	(33) United States of America	(47) 13.03.2024
(74) dr. R.C. van Duijvenbode c.s.	(47) 21.02.2024	(51) A61P 35/00
(31) 4352020	(51) A61N 5/06	C07D 213/75
(32) 09.04.2020	A61B 5/00	C07D 213/22
(33) Switzerland	G06F 3/16	C07D 215/42
(47) 21.02.2024	A61H 9/00	C07D 417/12
(51) A61M 60/13	G10L 15/00	C07D 417/14
A61M 60/178	G10L 15/02	A61K 31/381
A61M 60/237	(11) EP3946575	A61K 31/415
A61M 60/523	(21) EP20718808.7	A61K 31/42
A61M 60/531	(22) 02.04.2020	A61K 31/421
A61M 60/538	(54) DEVICE FOR ACTING ON AT LEAST PARTS OF A BODY	A61K 31/426
A61M 60/546	(73) JK-Holding GmbH	A61K 31/428
A61M 60/569	(72) GERSTENMEIER, Jürgen	A61K 31/433
(11) EP3854448	(74) dr. R.C. van Duijvenbode c.s.	A61K 31/4439
(21) EP21162363.2	(31) 4552019	(11) EP3512602
(22) 18.08.2017	(32) 03.04.2019	(21) EP17768078.2
(54) VENTRICULAR ASSIST DEVICE	(33) Switzerland	(22) 12.09.2017
(73) Abiomed Europe GmbH	(47) 13.03.2024	(54) INHIBITORS OF HEAT SHOCK FACTORS (HSF) AND USES THEREOF
(72) LUNZE, Katrin	(51) A61P 25/00	(73) HSF Pharmaceuticals
SIESS, Thorsten	A61P 35/00	(72) VILABOA, Nuria
ABOULHOSN, Walid	A61P 37/00	VOELLMY, Richard
NIX, Christoph	C07D 249/06	(74) dr. R.C. van Duijvenbode c.s.
(74) J.M.H. Duyver lic.	C07D 401/04	(31) 201762499650 P
(31) 16185397	C07D 405/02	201662495501 P
(32) 23.08.2016	C07D 405/14	(32) 02.02.2017
(33) European Patent Office (EPO)	A61K 31/4192	16.09.2016
(47) 27.03.2024	(11) EP4106871	(33) United States of America
(51) A61N 1/02	(21) EP20816317.0	United States of America
A61N 1/372	(22) 25.11.2020	(47) 27.03.2024
A61N 1/39	(54) BIPHENYL COMPOUNDS AS SOCE MODULATORS, COMPOSITIONS AND USES THEREOF	(51) A63F 13/23
A61N 1/362	(73) Università degli Studi del Piemonte Orientale "Amedeo Avogadro"	A63F 13/40
A61B 5/335	(72) RIVA, Beatrice	A63F 13/235
A61B 5/349	SERAFINI, Marta	(11) EP2620191
A61B 5/00	APRILE, Silvio	(21) EP13001006.9
(11) EP3965865	CORDERO SANCHEZ, Celia	(22) 27.04.2006
(21) EP20754541.9	GROLLO, Ambra	(54) Center device
(22) 24.07.2020	PIRALI, Tracey	(73) Sony Interactive Entertainment Inc.
(54) METHODS AND SYSTEMS FOR STORAGE, RETRIEVAL, AND VISUALIZATION OF SIGNALS AND SIGNAL FEATURES	(74) J.M.H. Duyver lic.	(72) Hashimoto, Satoshi
(73) Boston Scientific Neuromodulation Corporation	(31) 202000003692	Kutaragi, Ken
(72) ESTELLER, Rosana	(32) 21.02.2020	Hino, Mariko
(74) ir. A.R. Aalbers	(33) Italy	(74) ir. W.J.J.M. Kempes
(31) 201962879194 P	(47) 13.03.2024	(31) 2005172920
(32) 26.07.2019	(51) A61P 35/00	2005171592
(33) United States of America	A61K 39/00	(32) 16.05.2005
(47) 06.03.2024	A61K 39/395	15.05.2005
(51) A61N 1/08	C07K 16/28	(33) Japan
A61N 1/372	(11) EP4058148	Japan
A61N 1/36	(21) EP20729951.2	(47) 17.04.2024
	(22) 08.05.2020	(51) A63F 13/355
		H04N 21/4402
		H04N 21/81
		H04N 21/27
		H04N 21/478
		H04N 21/466

(11) EP3760287	(51) B01F 23/232	C08K 3/36
(21) EP20178290.1	B01F 23/236	B09B 101/67
(22) 04.06.2020	B01F 25/452	A61L 11/00
(54) METHOD AND DEVICE FOR GENERATING VIDEO FRAMES	B01F 33/05	A61L 101/20
(73) Sony Interactive Entertainment Inc.	B01F 33/81	(11) EP3964286
(72) SANDERS, Matthew William	B01F 33/82	(21) EP20813792.7
GRANT, Jessica Rose	B67D 1/04	(22) 26.03.2020
BRADLEY, Timothy	(11) EP3509981	(54) METHOD FOR RECYCLING SUPERABSORBENT POLYMER DERIVED FROM USED ABSORBENT ARTICLE
CAPPELLO, Fabio	(21) EP17849791.3	(73) Unicharm Corporation
CERRATO, Maurizio	(22) 12.09.2017	(72) KONISHI, Takayoshi
(74) ir. W.J.J.M. Kempes	(54) METHOD AND APPARATUS FOR INSTANTANEOUS ON-LINE CARBONATION OF WATER THROUGH ELECTROSTATIC CHARGING	YAMAKI, Kouichi
(31) 201909447	(73) Drinkstation, Inc.	KATO, Takashi
(32) 01.07.2019	(72) MACRELLINO, Diego	KURITA, Noritomo
(33) United Kingdom	FANTAPPIE, Giancarlo	(74) J.M.H. Duyver lic.
(47) 03.04.2024	MIYAMOTO, Joey	(31) 2019199172
(51) B01D 15/20	KAMALI, Farshad	2019101495
B01D 15/38	(74) J.M.H. Duyver lic.	(32) 31.10.2019
C07K 16/00	(31) 201662393604 P	30.05.2019
C07K 1/22	(32) 12.09.2016	(33) Japan
(11) EP3680000	(33) United States of America	Japan
(21) EP19198005.1	(47) 27.03.2024	(47) 27.03.2024
(22) 13.03.2014	(51) B01J 19/00	(51) B01J 35/00
(54) METHODS FOR PURIFYING ANTIBODIES	C40B 30/08	B01J 37/02
(73) GlaxoSmithKline Intellectual Property Development Limited	C40B 60/12	B01J 23/42
(72) UBIERA, Antonio Raul	C10G 45/22	H01M 4/86
SUDA, Eric J.	(11) EP2739387	H01M 4/92
GOKLEN, Kent E.	(21) EP12743437.1	H01M 4/90
(74) dr. R.C. van Duijvenbode c.s.	(22) 30.07.2012	H01M 8/1004
(31) 201361787309 P	(54) METHOD FOR HANDLING PRODUCT FLUID FLOWS	H01M 8/1018
(32) 15.03.2013	(73) hte GmbH the high throughput experimentation company	H01M 4/88
(33) United States of America	(72) HAAS, Alfred	H01M 8/10
(47) 13.03.2024	FIND, Josef	(11) EP3903935
(51) B01D 21/00	BRENNER, Armin	(21) EP19905852.0
B03B 5/00	(74) ir. W.J.J.M. Kempes	(22) 16.12.2019
B03B 5/62	(31) 102011109454	(54) CATALYST, METHOD FOR PRODUCING SAME, ELECTRODE COMPRISING SAME, MEMBRANE- ELECTRODE ASSEMBLY COMPRISING SAME, AND FUEL CELL COMPRISING SAME
B01D 21/24	(32) 04.08.2011	(73) Kolon Industries, Inc.
B01D 21/26	(33) Germany	(72) KIM, Jung Ho
(11) EP3344357	(47) 21.02.2024	(74) dr. R.C. van Duijvenbode c.s.
(21) EP16840984.5	(51) B01J 19/24	(31) 20180169073
(22) 01.09.2016	F16L 59/20	(32) 26.12.2018
(54) A DUCT FOR USE IN A SYSTEM FOR SEPARATING PARTICLES SUSPENDED IN A FLUID, AND A METHOD OF DESIGNING SUCH DUCT	(11) EP4122594	(33) Korea (Republic)
(73) FilterArt Ltd.	(21) EP22000185.3	(47) 10.04.2024
(72) MADMONI, Shahar	(22) 15.07.2022	(51) B05B 1/26
(74) ir. W.J.J.M. Kempes	(54) HEAT EXCHANGER FOR COOLING CRACKED GAS	F04C 18/16
(31) 201562213640 P	(73) Borsig GmbH	F04C 29/02
(32) 03.09.2015	(72) BIRK, Carsten	(11) EP3730217
(33) United States of America	VOGT, Michael	(21) EP18891475.8
(47) 27.03.2024	FÖRSTER, Andreas	(22) 04.12.2018
(51) B01D 36/00	(74) drs. P.A. van Essen c.s.	(54) LIQUID SUPPLY MECHANISM
(11) EP3842117	(31) 102021003955	(73) HITACHI INDUSTRIAL EQUIPMENT SYSTEMS CO., LTD.
(21) EP20208012.3	(32) 23.07.2021	(72) CHIBA Kotaro
(22) 17.11.2020	(33) Germany	MORITA Kenji
(54) METHOD AND SYSTEM FOR RECOVERING FLUID	(47) 06.03.2024	TAKANO Masahiko
(73) Pall Corporation	(51) B01J 20/26	TAKEUCHI Yoshitaka
(72) HACK, Alexander J.	A61F 13/53	YORIKANE Shigeyuki
WATSON, Thomas D.	A61L 2/18	(74) ir. J.C. Volmer c.s.
(74) dr. R.C. van Duijvenbode c.s.	B01J 20/34	(31) 2017243447
(31) 201916728321	C08J 11/06	(32) 20.12.2017
(32) 27.12.2019	A61L 101/10	(33) Japan
(33) United States of America	B09B 3/70	
(47) 27.03.2024	B29B 17/02	
	C08J 11/04	

(47) 10.04.2024	(47) 07.02.2024	(72) Seemeyer, Stefan
(51) B06B 1/02	(51) B22F 12/00	Lorenz, Phillip
A61B 17/32	B22F 12/41	Vengudusamy, Balasubramaniam
A61B 17/00	B22F 10/28	Kondratiuk, Jens
A61F 9/007	B33Y 10/00	(74) ir. H.A. Witmans c.s.
(11) EP3294467	B33Y 30/00	(47) 10.04.2024
(21) EP16725669.2	G21F 1/00	(51) B25J 9/10
(22) 10.05.2016	G21F 3/00	B25J 17/02
(54) SYSTEM AND METHOD FOR DRIVING	(11) EP4142973	(11) EP3487669
AN ULTRASONIC HANDPIECE WITH A	(21) EP21709910.0	(21) EP17745467.5
LINEAR AMPLIFIER	(22) 26.02.2021	(22) 19.07.2017
(73) Stryker Corporation	(54) ADDITIVE MANUFACTURING SYSTEM	(54) GEAR PACKAGING FOR ROBOTIC
(72) DOWNEY, Adam, Darwin	FOR POWDERY STARTING MATERIAL	JOINTS
RHODES, Scott, A.	AND METHOD FOR MANUFACTURING	(73) CMR Surgical Limited
BUTLER, Neal, R.	A COMPONENT	(72) MARSHALL, Keith
(74) J.M.H. Duyver lic.	(73) ALD Vacuum Technologies GmbH	GRANT, James Oliver
(31) 201562159672 P	(72) NIEBLING, Arno	JACKSON, Thomas Bates
(32) 11.05.2015	OSMANLIC, Fuad	(74) dr. A. Krebs
(33) United States of America	SCHÄFER, Karsten	(31) 201612763
(47) 10.04.2024	(74) J.M.H. Duyver lic.	(32) 22.07.2016
(51) B08B 3/12	(31) 102020111460	(33) United Kingdom
C23G 3/02	(32) 27.04.2020	(47) 03.04.2024
(11) EP3877099	(33) Germany	(51) B26D 1/14
(21) EP19798413.1	(47) 03.04.2024	B26D 3/06
(22) 05.11.2019	(51) B23K 31/12	E04F 15/02
(54) ULTRASOUND DEGREASING	G01N 33/207	E04F 15/10
EQUIPMENT	H01M 10/48	E04F 15/18
(73) ArcelorMittal	H01M 50/531	E04C 2/40
(72) RICHEL, Pierre	(11) EP4026651	B26D 1/00
SPONEM, Florent	(21) EP21765449.0	E04C 2/38
(74) dr. R.C. van Duijvenbode c.s.	(22) 08.02.2021	(11) EP3552784
(31) PCT/IB2018/058711	(54) WELDING QUALITY INSPECTION	(21) EP19173607.3
(32) 06.11.2018	DEVICE	(22) 28.08.2012
(33) World Intellectual Property Office (WIPO)	(73) LG Energy Solution, Ltd.	(54) MECHANICAL LOCKING SYSTEM FOR
(47) 20.03.2024	(72) KIM, Seok Jin	FLOOR PANELS
(51) B22D 11/04	JUNG, Su Taek	(73) Ceraloc Innovation AB
B22D 11/049	KOO, Sang Hyun	(72) PERVAN, Darko
B22D 11/055	LEE, Jung Hoon	(74) ir. W.J.J.M. Kempes
B22D 11/14	LEE, Ji Hoon	(31) 1150803
B22D 11/16	(74) ir. W.J.J.M. Kempes	1150778
B22D 11/20	(31) 20200026135	(32) 06.09.2011
B22D 11/22	(32) 02.03.2020	29.08.2011
B22D 46/00	(33) Korea (Republic)	(33) Sweden
(11) EP3917699	(47) 27.03.2024	Sweden
(21) EP20701162.8	(51) B23P 19/04	(47) 10.04.2024
(22) 15.01.2020	B25J 15/00	(51) B26D 7/26
(54) CASTING METHOD AND CASTING	B25J 9/14	(11) EP3943263
APPARATUS FOR DC CASTING	B25J 15/02	(21) EP21182748.0
(73) Norsk Hydro ASA	B65D 90/00	(22) 30.06.2021
(72) GIHLEENGEN, Britt Elin	(11) EP4017678	(54) METHOD FOR AUTOMATICALLY
(74) ir. W.J.J.M. Kempes	(21) EP19941806.2	ADJUSTING THE CUTTING GAP OF
(31) 20190143	(22) 19.08.2019	A SLICER AND CUTTING MACHINE
(32) 01.02.2019	(54) GRIPPER FOR HANDLING	SUITABLE THEREFOR
(33) Norway	TWISTLOCK	(73) MULTIVAC Sepp Haggenmüller SE & Co.
(47) 27.03.2024	(73) ABB SCHWEIZ AG	KG
(51) B22D 11/06	(72) TIAN, Ye	(72) Hartmann, Albert
B22D 41/50	YANG, Jibo	Kast, Alexander
(11) EP3972754	MAO, Yichao	(74) J.M.H. Duyver lic.
(21) EP20726848.3	(74) ir. W.J.J.M. Kempes	(31) 102020119226
(22) 22.05.2020	(47) 03.04.2024	(32) 21.07.2020
(54) CASTING NOZZLE	(51) B25F 5/00	(33) Germany
(73) Vesuvius Group S.A	C10M 171/00	(47) 03.04.2024
(72) HEINBICHNER, Waldemar	(11) EP4011561	(51) B29C 43/18
RICHAUD, Johan	(21) EP20213304.7	B29C 43/32
(74) dr. ir. G.J.C. Verdijck c.s.	(22) 11.12.2020	B29C 65/00
(31) 19176155	(54) MOBILE MACHINE TOOL AND	H01M 10/04
(32) 23.05.2019	METHOD	H01M 50/116
(33) European Patent Office (EPO)	(73) Hilti Aktiengesellschaft	B29L 31/34

B29C 33/30	(74) ir. F.A. Geurts c.s.	(33) Germany
H01M 50/10	(31) 201800008426	(47) 20.03.2024
H01M 50/105	(32) 07.09.2018	(51) B32B 17/10
H01M 50/186	(33) Italy	(11) EP4227082
B29C 65/02	(47) 06.03.2024	(21) EP22195267.4
B29L 31/00	(51) B29D 30/00	(22) 13.09.2022
(11) EP4063103	B60C 23/04	(54) POLYMER FILM AND USES OF THE
(21) EP21754026.9	G06K 19/077	SAME
(22) 05.02.2021	(11) EP3953162	(73) Chang Chun Petrochemical Co., Ltd.
(54) SECONDARY BATTERY	(21) EP20717194.3	(72) HUANG, Tzu-Jung
PRESSURIZATION DEVICE AND	(22) 09.04.2020	HUANG, Yen-Chen
PRESSURIZATION METHOD	(54) MONOBLOC PROFILE FOR	(74) ir. H.A. Witmans c.s.
(73) LG Energy Solution, Ltd.	ENCAPSULATING AN ELECTRONIC	(31) 202210127728
(72) LEE, Jung Pil	MODULE AND METHOD FOR	(32) 11.02.2022
LEE, Jeong Beom	ENCAPSULATING AN ELECTRONIC	(33) China
KIM, Ye Eun	MODULE	(47) 03.04.2024
(74) dr. R.C. van Duijvenbode c.s.	(73) COMPAGNIE GENERALE DES	(51) B41J 2/12
(31) 20200017844	ETABLISSEMENTS MICHELIN	B41J 2/21
(32) 13.02.2020	(72) LALLEMENT, Claude	B41J 2/205
(33) Korea (Republic)	FORICHON, Baptiste	H10K 71/13
(47) 27.03.2024	PORTIER, Guillaume	(11) EP3964363
(51) B29C 64/153	EYROULET, Nicolas	(21) EP21204880.5
B29C 64/393	(74) ir. W.J.J.M. Kempes	(22) 30.06.2015
B29C 64/277	(31) 1903887	(54) TECHNIQUES FOR ARRAYED
B22F 10/28	(32) 11.04.2019	PRINTING OF A PERMANENT LAYER
B22F 10/31	(33) France	WITH IMPROVED SPEED AND
B22F 12/00	(47) 14.02.2024	ACCURACY
B22F 12/45	(51) B29D 30/28	(73) Kateeva, Inc.
B22F 12/90	(11) EP3980259	(72) BAKER, Michael
B33Y 50/00	(21) EP20723799.1	HARJEE, Nahid
B33Y 40/00	(22) 22.04.2020	BACON, Douglas
(11) EP3771551	(54) DEVICE FOR PRODUCING A GREEN	(74) dr. R.C. van Duijvenbode c.s.
(21) EP20198574.4	TIRE	(31) 201514680960
(22) 20.12.2016	(73) Continental Reifen Deutschland GmbH	201514627186
(54) METHOD FOR CALIBRATING A	(72) MEIER, Marvin	201462059121 P
DEVICE FOR GENERATING A	KASNY, Rostislav	201414458005
THREE-DIMENSIONAL OBJECT AND	GÜMMER, Oliver	201414340403
CALIBRATION UNIT	SCHISCHKE, Henrik	201462021584 P
(73) EOS GmbH Electro Optical Systems	HARTMANN, Uwe	201462019076 P
(72) DOMRÖSE, Robert Achim	(74) ir. W.J.J.M. Kempes	(32) 07.04.2015
MITTERMÜLLER, Maximilian	(31) 102019208218	20.02.2015
SCHMID, Ulrich	(32) 05.06.2019	02.10.2014
WOLF, Dominik	(33) Germany	12.08.2014
GÖTH, Michael	(47) 14.02.2024	24.07.2014
(74) dr. ir. G.J.C. Verdijck c.s.	(51) B32B 7/00	07.07.2014
(31) 102016200043	B32B 27/00	30.06.2014
(32) 05.01.2016	B32B 27/06	(33) United States of America
(33) Germany	B32B 27/40	United States of America
(47) 07.02.2024	B32B 7/12	United States of America
(51) B29C 65/02	C09J 175/12	United States of America
B29C 65/52	C08G 18/12	United States of America
B29C 63/06	C08G 18/32	United States of America
B29C 48/151	C08G 18/40	United States of America
B05B 13/04	C08G 18/50	United States of America
B05D 7/14	C08G 18/48	(47) 27.03.2024
F16L 13/02	C08G 18/76	(51) B41J 2/165
F16L 58/18	(11) EP3288995	B41J 3/38
(11) EP3847003	(21) EP16720757.0	B41M 3/00
(21) EP19783370.0	(22) 21.04.2016	G06K 19/077
(22) 05.09.2019	(54) POLYURETHANE-BASED BINDER	B41J 11/00
(54) MACHINE AND METHOD FOR MAKING	SYSTEM	B41J 3/50
A PROTECTIVE JOINT ABOUT AN	(73) Henkel AG & Co. KGaA	B41J 13/12
ANNULAR JUNCTION PORTION OF A	(72) MECKEL-JONAS, Claudia	(11) EP3814147
PIPELINE	POEL, Andre te	(21) EP19800263.6
(73) Saipem S.p.A.	BLODAU, Marcel	(22) 10.05.2019
(72) KALTCHEV, Momtchil	(74) dr. R.C. van Duijvenbode c.s.	(54) CARD PROCESSING SYSTEM
SIMONE, Francesco	(31) 102015207792	WITH DROP-ON-DEMAND PRINT
BREGONZIO, Valerio	(32) 28.04.2015	HEAD AUTOMATED MAINTENANCE
		ROUTINES

(73) Entrust Corporation	(72) Chang, Hyun Sung	WANG, Haoyu
(72) JOHNSON, Kyle	Lee, Heesae	MOTH, Luke William
LUU, Andrew	(74) dr. ir. G.J.C. Verdijck c.s.	(74) dr. R.C. van Duijvenbode c.s.
WOOLDRIDGE, Cory, D.	(31) 20200103404	(31) 2023276
BONTRAGER, Kevin	(32) 18.08.2020	(32) 07.06.2019
WAWRA, Jon	(33) Korea (Republic)	(33) Netherlands
HINNENKAMP, Brendan	(47) 01.05.2024	(47) 27.03.2024
O'DELL, Brian	(51) B60L 53/302	(51) B62D 1/02
SARKINEN, Daniel	B60L 53/16	B62D 15/00
JORDAN, Randy	B60L 53/18	A63F 13/803
(74) dr. R.C. van Duijvenbode c.s.	H01R 13/00	(11) EP4046893
(31) 201862700522 P	(11) EP3649703	(21) EP20880207.4
201862670272 P	(21) EP18738278.3	(22) 23.09.2020
(32) 19.07.2018	(22) 04.07.2018	(54) CLUTCH MECHANISM, STEERING SYSTEM, AND AUTOMOBILE
11.05.2018	(54) CHARGING CABLE SYSTEM WITH COOLING	(73) BYD Company Limited
(33) United States of America	(73) PAXOS Consulting & Engineering GmbH & Co. KG	(72) ZHAO, Min
United States of America	(72) HAKENBERG, Peter	XIAO, Guanxia
(47) 10.04.2024	(74) ir. J.C. Volmer c.s.	SUN, Chong
(51) B60C 5/10	(31) 102017115241	(74) ir. W.J.J.M. Kempes
B60C 5/04	(32) 07.07.2017	(31) 201911023715
(11) EP3919292	(33) Germany	(32) 25.10.2019
(21) EP19914082.3	(47) 21.02.2024	(33) China
(22) 21.06.2019	(51) B60R 11/02	(47) 03.04.2024
(54) DISCONNECTED INNER TUBE AND TIRE	(11) EP3750752	(51) B62D 65/00
(73) Xiamen Chengshin Enterprise Co., Ltd	(21) EP19750731.2	G05B 19/418
(72) LI, Ruihua	(22) 30.01.2019	B05B 16/20
(74) ir. W.J.J.M. Kempes	(54) ACTUATOR FOR ADJUSTING DISPLAY TERMINAL AND VEHICLE	B05B 12/08
(31) 201920177074 U	(73) BYD Company Limited	B05B 12/12
201910098974	(72) BAI, Sheng	B05B 13/04
201920177242 U	WANG, Xiaowen	(11) EP3966650
201910099812	ZHANG, Xiaoru	(21) EP20731378.4
(32) 31.01.2019	CUI, Chao	(22) 29.04.2020
31.01.2019	(74) ir. W.J.J.M. Kempes	(54) METHOD FOR CONTROL AND AFTER-TREATMENT OF WORKPIECES, CONTROL SYSTEM AND TREATMENT INSTALLATION
31.01.2019	(31) 201820253677 U	(73) Dürr Systems AG
31.01.2019	201810142922	(72) SAWODNY, Oliver
(33) China	(32) 11.02.2018	WIELAND, Dietmar
China	11.02.2018	GIENGER, Andreas
China	(33) China	IGLAUER-ANGRIK, Oliver
China	China	WOLL, Kevin
(47) 24.04.2024	(47) 03.04.2024	(74) ir. W.J.J.M. Kempes
(51) B60K 15/05	(51) B61D 15/00	(31) 102019206846
B60J 5/04	B61F 13/00	102019112099
B60R 5/00	B60B 17/00	(32) 10.05.2019
E05D 15/10	B65G 1/04	09.05.2019
(11) EP3835103	B65G 41/02	(33) Germany
(21) EP21154361.6	B66F 11/04	Germany
(22) 22.08.2019	A01G 9/14	(47) 06.03.2024
(54) DEVICE FOR CLADDING A COMMERCIAL VEHICLE	(11) EP4052986	(51) B62J 1/08
(73) MAN Truck & Bus SE	(21) EP22158829.6	B62H 5/00
(72) Kusch, Willi	(22) 25.02.2022	(11) EP3154848
Kondic, Darko	(54) TUBE RAIL CART	(21) EP15739002.2
(74) ir. A. Blokland c.s.	(73) B&A Automation BVBA	(22) 15.06.2015
(31) 102018121212	(72) BOGAERTS, Joris	(54) BICYCLE SEAT AND LOCK ASSEMBLY
(32) 30.08.2018	(31) 202105155	(73) Ino Vision Ltd
(33) Germany	(32) 03.03.2021	(72) SHENKERMAN, Michael
(47) 13.03.2024	(33) Belgium	(31) 201462012478 P
(51) B60K 35/00	(47) 24.04.2024	(32) 16.06.2014
G02B 27/01	(51) B61K 9/08	(33) United States of America
G06T 19/00	(11) EP3980313	(47) 06.03.2024
G01C 21/36	(21) EP20754400.8	(51) B62M 6/50
(11) EP3957509	(22) 05.06.2020	B62M 6/55
(21) EP21157646.7	(54) A TRACK MONITORING SYSTEM	G01L 1/04
(22) 17.02.2021	(73) FNV IP B.V.	G01L 1/12
(54) APPARATUS AND METHOD WITH CONTENT VISUALIZING	(72) BERKERS, Adrianus Franciscus Wilhelmus	G01L 3/14
(73) Samsung Electronics Co., Ltd.		

G01L 3/10	(73) Nikolic, Ivan	(22) 23.09.2015
B62J 45/411	(72) Nikolic, Ivan	(54) POWDER CONTAINER AND SYSTEM THEREWITH
B62J 45/421	(74) ir. W.J.J.M. Kempes	(73) LPW Technology Ltd
(11) EP3772452	(31) P20191111	(72) DEFFLEY, Robert
(21) EP20188373.3	(32) 27.08.2019	FERRAR, Ben
(22) 29.07.2020	(33) Serbia	CARROLL, Philip
(54) PEDALING SENSING DEVICE OF ELECTRIC BICYCLE	(47) 21.02.2024	(74) ir. A.R. Aalbers
(73) Unique Product & Design Co., Ltd.	(51) B65D 5/38	(31) 201416850
(72) CHENG, Chih-Ching	(11) EP3938284	(32) 24.09.2014
(74) ir. F.A. Geurts c.s.	(21) EP20724546.5	(33) United Kingdom
(31) 108210360 U	(22) 13.03.2020	(47) 20.03.2024
(32) 06.08.2019	(54) PACKAGING INSERT	(51) B65G 1/137
(33) Taiwan, Chinese Taipei	(73) Burgopak Limited	(11) EP4166480
(47) 21.02.2024	(72) WHITEHURST, Dane	(21) EP22195864.8
(51) B62M 9/122	(74) dr. R.C. van Duijvenbode c.s.	(22) 15.09.2022
B62M 25/08	(31) 3060799	(54) DEVICE AND METHOD FOR SUSPENDED TRANSPORT OF OBJECTS
(11) EP2865589	201903460	(73) Dürkopp Fördertechnik GmbH
(21) EP14003552.8	201916672272	(72) Rehm, Pascal
(22) 17.10.2014	(32) 31.10.2019	(74) dr. R.C. van Duijvenbode c.s.
(54) Electromechanical rear derailleur	13.03.2019	(31) 102021211570
(73) SRAM, LLC	01.11.2019	(32) 13.10.2021
(72) Shipman, Christopher	(33) Canada	(33) Germany
Jordan, Brian	United Kingdom	(47) 17.04.2024
(74) J.M.H. Duyver lic.	United States of America	(51) B65G 21/06
(31) 201314061138	(47) 21.02.2024	B65G 21/14
(32) 23.10.2013	(51) B65D 21/02	B65G 15/12
(33) United States of America	(11) EP4277854	B65G 15/24
(47) 06.03.2024	(21) EP22751142.5	B65G 41/00
(51) B63B 35/66	(22) 20.07.2022	(11) EP3710383
B63J 3/02	(54) CONNECTABLE CONTACT LENS PACKAGES FOR RECYCLING	(21) EP18804544.7
B63H 5/08	(73) CooperVision International Limited	(22) 12.11.2018
B63H 23/08	(72) BURGOS CRUZ, Jose A	(54) MODULAR TRANSPORT SYSTEM
B63H 23/12	ALAYON RIVERA, Javier E	(73) Gea Food Solutions Germany GmbH
B63H 23/18	SIEVENS FIGUEROA, Lucas	(72) SCHAAFHAUSEN, Wilfried
B63H 23/16	RIVERA VELEZ, Jesus Javier	GAHLER, Thomas
(11) EP3793893	(74) ir. W.J.J.M. Kempes	(74) ir. W.J.J.M. Kempes
(21) EP19728874.9	(31) 202163225976 P	(31) 102017220449
(22) 11.04.2019	(32) 27.07.2021	(32) 16.11.2017
(54) DRIVE SYSTEM FOR A SHIP	(33) United States of America	(33) Germany
(73) Schottel GmbH	(47) 03.04.2024	(47) 21.02.2024
(72) SCHOLZ, Sascha	(51) B65D 81/05	(51) B65H 3/08
(74) J.M.H. Duyver lic.	B65D 81/127	B65H 3/42
(31) 102018111402	(11) EP3848302	B65H 5/12
(32) 14.05.2018	(21) EP21150494.9	B65H 5/14
(33) Germany	(22) 07.01.2021	(11) EP4178894
(47) 21.02.2024	(54) PACKAGING ELEMENT FOR SECURING AN OBJECT TO BE PACKAGED IN AN OUTER PACKAGING	(21) EP21742887.9
(51) B64C 1/26	(73) Buhl-PaperForm GmbH	(22) 05.07.2021
B64C 3/18	(72) Buhl, Christoph	(54) RETENTION DEVICE FOR RETAINING A BLANK, MOVEMENT UNIT AND PROCESS FOR MOVING SAID BLANK
(11) EP3998192	(74) ir. H.A. Witmans c.s.	(73) G.D S.p.A.
(21) EP21158246.5	(31) 102020100515	(72) CARBONI, Salvatore
(22) 19.02.2021	(32) 13.01.2020	VITALI, Antonio
(54) WING SPAR STRUCTURE	(33) Germany	(74) mr. ir. J. van Breda c.s.
(73) Lilium eAircraft GmbH	(47) 06.03.2024	(31) 202000016702
(72) BOHR, Tim	(51) B65D 88/28	(32) 09.07.2020
MÖBIUS, Andreas	B65D 88/74	(33) Italy
(74) J.M.H. Duyver lic.	B65D 90/48	(47) 27.03.2024
(47) 20.03.2024	B22F 12/70	(51) B66C 1/66
(51) B65D 5/20	B22F 12/90	(11) EP3512797
B65D 5/46	B33Y 40/00	(21) EP17787533.3
B65D 5/48	B22F 10/10	(22) 15.09.2017
B65D 85/36	B22F 10/39	(54) A LIFTING ASSEMBLY AND METHOD
(11) EP4021814	B65G 53/66	(73) Balltec Limited
(21) EP20786626.0	B65G 69/18	(72) JACKSON, Jonathan
(22) 14.08.2020	(11) EP3197797	
(54) A SELF-FOLDING BOX WITH COMPARTMENTS AND CARRY HANDLE FOR PACKAGING PIZZAS	(21) EP15794957.9	

TEIXEIRA, Marco	(21) EP20164193.3	HIRAI, Mai
(74) ir. H.J.G. Lips c.s.	(22) 03.10.2013	NAKAYA, Hideki
(31) 201615733	(54) COLOR-STRIKABLE GLASS	OHTA, Toshihiko
(32) 15.09.2016	CONTAINERS	(74) ir. W.J.J.M. Kempes
(33) United Kingdom	(73) Owens-Brockway Glass Container Inc.	(31) 2018096506
(47) 10.04.2024	(72) BARTON, Stephen	(32) 18.05.2018
(51) B66F 9/06	BAKER, Daniel	(33) Japan
B66F 9/10	HOWSE, Terence, K.	(47) 27.03.2024
B66F 9/12	CLICK, Carol, A.	(51) C07C 41/09
B66F 9/18	ORDWAY, Edward	C07C 43/04
(11) EP3668813	(74) ir. W.J.J.M. Kempes	B01J 29/08
(21) EP18762722.9	(31) 201213666629	B01J 29/18
(22) 14.08.2018	(32) 01.11.2012	B01J 29/40
(54) LATERALLY OPERATING PAYLOAD	(33) United States of America	B01J 29/60
HANDLING DEVICE	(47) 20.03.2024	B01J 29/65
(73) Seegrid Corporation	(51) C04B 28/02	B01J 29/70
(72) WEISS, Mitchell	C04B 18/02	(11) EP3927681
(74) dr. R.C. van Duijvenbode c.s.	B28B 1/00	(21) EP19916446.8
(31) 201762545802 P	B28B 13/02	(22) 22.02.2019
(32) 15.08.2017	C04B 111/00	(54) PROCESS FOR DEHYDRATING
(33) United States of America	(11) EP3166904	METHANOL TO DIMETHYLETHER
(47) 10.04.2024	(21) EP15741136.4	(73) BP P.L.C.
(51) B66F 9/065	(22) 10.07.2015	BP (China) Holdings Limited
B66F 9/14	(54) METHOD FOR PRODUCING	(72) SUNLEY, John Glenn
(11) EP3683184	CONCRETE ELEMENTS	DENNIS-SMITHERS, Benjamin, James
(21) EP20150580.7	(73) METTEN Technologies GmbH & Co. KG	YANG, Zhiqiang
(22) 07.01.2020	(72) METTEN, Michael	(74) ir. F.A. Geurts c.s.
(54) APPARATUS FOR SELF-PROPELLED	(74) ir. A. Blokland c.s.	(47) 03.04.2024
OPERATING MACHINE	(31) 102014010259	(51) C07C 41/09
(73) Manitou Italia S.r.l.	(32) 11.07.2014	C07C 43/04
(72) IOTTI, Marco	(33) Germany	B01J 29/08
(74) dr. R.C. van Duijvenbode c.s.	(47) 20.03.2024	B01J 29/18
(31) 201900000607	(51) C04B 35/64	B01J 29/40
(32) 15.01.2019	C04B 35/622	B01J 29/65
(33) Italy	C04B 35/626	B01J 29/70
(47) 27.03.2024	C04B 35/632	B01J 29/85
(51) B68C 1/12	C04B 35/63	(11) EP3927680
(11) EP3676217	(11) EP3356310	(21) EP19915619.1
(21) EP18782188.9	(21) EP16852372.8	(22) 22.02.2019
(22) 31.08.2018	(22) 26.09.2016	(54) PROCESS FOR DEHYDRATING
(54) ANATOMICAL PAD AND SADDLE	(54) COLD SINTERING CERAMICS AND	METHANOL TO DIMETHYLETHER
ASSEMBLY	COMPOSITES	(73) BP (China) Holdings Limited
(73) AMAHORSE TRADING S.R.L.	(73) The Penn State Research Foundation	BP P.L.C.
(72) BENETTI, Mauro	(72) GUO, Jing	(72) SUNLEY, John Glenn
(74) ir. W.J.J.M. Kempes	RANDALL, Clive A.	YANG, Zhiqiang
(31) 201700098272	GUO, Hanzheng	DENNIS-SMITHERS, Benjamin, James
(32) 01.09.2017	BAKER, Amanda	(74) ir. F.A. Geurts c.s.
(33) Italy	LANAGAN, Michael	(47) 03.04.2024
(47) 06.03.2024	(74) ir. F.A. Geurts c.s.	(51) C07C 51/235
(51) C03B 5/235	(31) 201662349444 P	C07C 55/06
C03B 5/182	201562234389 P	C07C 55/12
(11) EP3997039	(32) 13.06.2016	C07C 59/10
(21) EP20747275.4	29.09.2015	C07C 59/105
(22) 06.07.2020	(33) United States of America	C07C 59/285
(54) MULTI-CHAMBER SUBMERGED	United States of America	(11) EP4219439
COMBUSTION MELTER AND SYSTEM	(47) 01.05.2024	(21) EP23150103.2
(73) Owens-Brockway Glass Container Inc.	(51) C07C 17/361	(22) 29.01.2020
(72) RASHLEY, Shane, T.	C07C 21/18	(54) PROCESSES FOR PREPARING
WANG, Zhongming	C07C 21/185	ALDARIC, ALDONIC, AND URONIC
(74) ir. W.J.J.M. Kempes	(11) EP3795555	ACIDS
(31) 201916509128	(21) EP19803443.1	(73) Archer Daniels Midland Company
(32) 11.07.2019	(22) 17.05.2019	(72) Albrecht, Karl O.
(33) United States of America	(54) METHOD FOR MANUFACTURING	Brazdil, James F.
(47) 10.04.2024	TETRAFLUOROETHYLENE AND/OR	(74) J.M.H. Duyver lic.
(51) C03C 3/087	HEXAFLUOROPROPYLENE	(31) 201962936861 P
C03C 4/02	(73) DAIKIN INDUSTRIES, LTD.	(32) 18.11.2019
(11) EP3718979	(72) NOGUCHI, Atsushi	(33) United States of America
	YASUHARA, Takashi	(47) 10.04.2024

(51) C07C 209/50	(74) dr. R.C. van Duijvenbode c.s.	YOSHIDA Kei
C07C 211/03	(31) 201962886660 P	UCHIDA Kenji
C07C 211/27	(32) 14.08.2019	YAMAMOTO Keisuke
C07C 211/48	(33) United States of America	KAWAI Ryohei
C07C 211/08	(47) 17.04.2024	KANAI Toshimi
C07C 211/54	(51) C07D 213/71	IMAEDA Takashi
(11) EP3901131	A61K 31/175	(74) ir. F.A. Geurts c.s.
(21) EP19900208.0	C07D 217/22	(31) 2018068816
(22) 10.12.2019	C07D 231/18	(32) 30.03.2018
(54) METHOD FOR PRODUCING AMINE	C07D 231/56	(33) Japan
THROUGH REDUCTION OF AMIDE	C07D 333/34	(47) 24.04.2024
(73) Takasago International Corporation	C07D 417/12	(51) C07D 277/06
(72) YAGI Kenji	C07C 381/10	A61K 31/425
(74) J.M.H. Duyver lic.	C07D 263/46	A61P 35/00
(31) 2018236872	C07D 205/04	(11) EP2968346
(32) 19.12.2018	C07D 207/04	(21) EP14763483.6
(33) Japan	C07D 265/30	(22) 15.03.2014
(47) 03.04.2024	C07D 207/10	(54) METHODS AND COMPOSITIONS
(51) C07C 263/10	C07D 277/36	FOR GAMMA-GLUTAMYL CYCLE
B01J 19/26	C07D 307/64	MODULATION
(11) EP3829757	(11) EP3658539	(73) Cancer Research Technologies LLC
(21) EP19745439.0	(21) EP18752376.6	(72) RUBIN, Eyal
(22) 03.07.2019	(22) 23.07.2018	RUBIN, David
(54) STATIC MIXING DEVICE AND METHOD	(54) COMPOUNDS AND COMPOSITIONS	(74) dr. R.C. van Duijvenbode c.s.
FOR MIXING PHOSGENE AND AN	FOR TREATING CONDITIONS	(31) 201361801709 P
ORGANIC AMINE	ASSOCIATED WITH NLRP ACTIVITY	(32) 15.03.2013
(73) Dow Global Technologies LLC	(73) Novartis AG	(33) United States of America
(72) YUAN, Quan	(72) SEIDEL, Hans Martin	(47) 07.02.2024
GILLIS, Paul, A.	OPIPARI JR., Anthony William	(51) C07D 401/12
(74) ir. W.J.J.M. Kempes	ROUSH, William R.	C07D 231/56
(31) 201862711652 P	FRANCHI, Luigi	C07D 209/40
(32) 30.07.2018	GHOSH, Shomir	C07D 209/48
(33) United States of America	SHEN, Dong-Ming	C07D 487/04
(47) 17.04.2024	VENKATRAMAN, Shankar	C07D 471/04
(51) C07D 207/08	KATZ, Jason	C07D 403/12
C07D 207/09	GLICK, Gary	C07D 403/04
C07D 213/61	WINKLER, David Guenther	C07D 403/06
C07D 213/62	(74) dr. R.C. van Duijvenbode c.s.	C07D 401/14
C07D 213/70	(31) 201762573894 P	C07D 401/04
C07D 213/74	201762536271 P	C07D 401/06
C07D 231/20	(32) 18.10.2017	C07D 405/12
C07D 401/04	24.07.2017	C07D 209/12
C07D 401/14	(33) United States of America	C07D 209/42
C07D 513/22	United States of America	A61K 31/416
(11) EP4013741	(47) 21.02.2024	A61P 37/00
(21) EP20761961.0	(51) C07D 215/46	A61P 37/06
(22) 13.08.2020	C07D 215/44	A61P 25/00
(54) PROCESS OF MAKING CFTR	C07D 401/12	A61P 21/04
MODULATORS	C07D 401/14	A61K 31/4439
(73) Vertex Pharmaceuticals Incorporated	C07D 405/14	A61K 31/404
(72) COCHRAN, John E.	C07D 409/14	A61P 13/00
FRIEMAN, Bryan	C07D 413/12	A61K 31/4035
SWIFT, Sara E.	C07D 413/14	A61P 13/12
LITTLER, Benjamin J.	C07D 487/04	A61P 25/28
URBINA, Armando	C07D 487/08	A61P 9/00
HADIDA RUAH, Sara Sabina	C07D 495/14	(11) EP3925956
COON, Timothy Richard	C07D 519/00	(21) EP21173901.6
ZHOU, Jinglan	A61P 35/00	(22) 01.02.2017
GROOTENHUIS, Peter	A61K 31/4709	(54) 1H-INDAZOLE-3-CARBOXAMIDE
ANGELL, Paul	A61K 31/4985	DERIVATIVES AND RELATED
SIESEL, David Andrew	A61K 31/551	COMPOUNDS AS FACTOR D
MILLER, Mark Thomas	(11) EP3778573	INHIBITORS FOR TREATING
CLEVELAND, Thomas	(21) EP19774768.6	DISEASES CHARACTERIZED
CLEMENS, Jeremy J.	(22) 29.03.2019	BY ABERRANT COMPLEMENT
PARASELLI, Prasuna	(54) COMPOUND WITH ANTICANCER	SYSTEM ACTIVITY, SUCH AS E.G.
ANDERSON, Corey Don	ACTIVITY	IMMUNOLOGICAL DISORDERS
MCCARTNEY, Jason	(73) Kyowa Kirin Co., Ltd.	(73) BioCryst Pharmaceuticals, Inc.
PIERRE, Fabrice	(72) IKOTA Hideo	(72) WU, Minwan

ZHANG, Weihe	(22) 18.05.2021	A61K 38/26
KOTIAN, Pravin, L	(54) PROCESS FOR MANUFACTURING	(11) EP3551651
CHINTAREDDY, Venkat, R.	ALKYL 7-AMINO-5-METHYL-	(21) EP17832211.1
RAMAN, Krishnan	[1,2,5]OXADIAZOLO[3,4-B]PYRIDINE-	(22) 11.12.2017
VOGETI, Lakshminarayana	CARBOXYLATE	(54) ACYLATED GLP-1/GLP-2 DUAL
BABU, Yarlagadda, S.	(73) Boehringer Ingelheim International	AGONISTS
(74) ir. W.J.J.M. Kempes	GmbH	(73) Zealand Pharma A/S
(31) 201662289653 P	(72) SCHMID, Rolf	(72) DUE LARSEN, Bjarne
(32) 01.02.2016	LINZ, Guenter	GRIFFIN, Jonathan
(33) United States of America	DAEUBLER, Juergen	GIEHM, Lise
(47) 10.04.2024	PANGERL, Michael	EDWARDS, Alistair Vincent Gordon
(51) C07D 405/06	UNGER, Sarah	(74) ir. W.J.J.M. Kempes
(11) EP3715345	(74) ir. F.A. Geurts c.s.	(31) PA201600757
(21) EP20153723.0	(31) 20176112	(32) 09.12.2016
(22) 25.07.2013	(32) 22.05.2020	(33) Denmark
(54) PREPARATION OF LFA-1 INHIBITOR	(33) European Patent Office (EPO)	(47) 06.03.2024
(73) Bausch + Lomb Ireland Limited	(47) 13.03.2024	(51) C07K 14/725
(72) HALL, Michael	(51) C07K 5/103	A61K 38/17
VENKATRAMAN, Sripathy	C07K 7/06	A61K 35/17
BROT, Elisabeth, C.A.	C07K 7/08	C12N 15/62
IYER, Subashree	A23L 33/18	C12N 15/63
ZELLER, James, Robert	A61K 8/64	A61P 35/00
(74) dr. R.C. van Duijvenbode c.s.	A61Q 19/00	(11) EP3365364
(31) 201261729294 P	A61Q 19/02	(21) EP16858388.8
201261680099 P	A61Q 19/08	(22) 21.10.2016
201261675663 P	A61K 38/00	(54) ANTIBODY/T-CELL RECEPTOR
(32) 21.11.2012	(11) EP3677590	CHIMERIC CONSTRUCTS AND USES
06.08.2012	(21) EP18850102.7	THEREOF
25.07.2012	(22) 03.07.2018	(73) Eureka Therapeutics, Inc.
(33) United States of America	(54) PEPTIDE EXHIBITING WRINKLE-	(72) LIU, Cheng
United States of America	IMPROVING ACTIVITY AND USES	XU, Yiyang
United States of America	THEREOF	YAN, Su
(47) 10.04.2024	(73) Caregen Co., Ltd.	HORAN, Lucas
(51) C07D 487/10	(72) KIM, Eun Mi	LU, Jingwei
C07D 487/04	LEE, Eung Ji	LIU, Hong
C07D 471/10	CHUNG, Yong Ji	YANG, Zhiyuan
C07D 401/14	(74) dr. R.C. van Duijvenbode c.s.	CHAN, Vivien Wai-fan
A61K 31/497	(31) 20170111211	(74) dr. R.C. van Duijvenbode c.s.
A61K 31/444	(32) 31.08.2017	(31) 201662369694 P
A61K 31/438	(33) Korea (Republic)	201662345649 P
A61K 31/407	(47) 27.03.2024	201662304918 P
A61P 11/00	(51) C07K 14/015	201562245944 P
A61P 29/00	C12N 15/35	(32) 01.08.2016
(11) EP4003999	C12N 15/864	03.06.2016
(21) EP20743688.2	A61K 35/76	07.03.2016
(22) 21.07.2020	A61K 48/00	23.10.2015
(54) 1-(6-(METHOXY)PYRIDAZIN-3-	C12N 5/10	(33) United States of America
YL)CYCLOPROPANE-1-CARBOXAMIDE	C07K 16/18	United States of America
DERIVATIVES AS AUTOTAXIN	C07K 16/28	United States of America
(ATX) MODULATORS FOR THE	(11) EP3645551	United States of America
TREATMENT OF INFLAMMATORY	(21) EP18749635.1	(47) 10.04.2024
AIRWAY DISEASES	(22) 27.06.2018	(51) C07K 19/00
(73) Boehringer Ingelheim International	(54) TROPISM-MODIFIED RECOMBINANT	A61K 39/125
GmbH	VIRAL VECTORS AND USES THEREOF	A61P 31/12
(72) MARTYRES, Domnic	FOR THE TARGETED INTRODUCTION	C07K 7/08
BRETSCHNEIDER, Tom	OF GENETIC MATERIAL INTO HUMAN	C07K 14/00
ROTH, Gerald, Juergen	CELLS	C07K 14/005
GODBOUT, Cédricx	(73) Regeneron Pharmaceuticals, Inc.	C07K 14/08
KUTTRUFF, Christian, Andreas	(72) WANG, Cheng	C12N 15/09
KOOLMAN, Hannes, Fiepko	KYRATSOUS, Christos	C12P 21/02
(74) ir. F.A. Geurts c.s.	SABIN, Leah	C07K 16/10
(31) 19187614	MURPHY, Andrew J.	(11) EP3530674
(32) 22.07.2019	(74) dr. R.C. van Duijvenbode c.s.	(21) EP17861867.4
(33) European Patent Office (EPO)	(31) 201762525704 P	(22) 19.10.2017
(47) 01.05.2024	(32) 27.06.2017	(54) POLYPEPTIDE MONOMER,
(51) C07D 498/04	(33) United States of America	ASSOCIATED PRODUCT
(11) EP4153599	(47) 13.03.2024	FORMED OF SAID POLYPEPTIDE
(21) EP21726114.8	(51) C07K 14/605	MONOMER HAVING CELL

PENETRATION FUNCTION, NOROVIRUS COMPONENT VACCINE FOR SUBCUTANEOUS, INTRADERMAL, PERCUTANEOUS OR INTRAMUSCULAR ADMINISTRATION AND HAVING SAID ASSOCIATED PRODUCT AS EFFECTIVE COMPONENT THEREOF, AND METHOD FOR PRODUCING SAID ASSOCIATED PRODUCT	ZHANG, Jiangru JIANG, Haibin LAI, Jinmei ZHANG, Hongbin WANG, Songhe SONG, Zhihai LIU, Wenlu CAI, Chuanlun WANG, Xiang ZHANG, Xiaohong LI, Binghai HAN, Peng RU, Yue QI, Guicun QIAO, Jinliang	(47) 10.04.2024 (51) C08G 2/28 C08K 5/32 C08L 59/00 C08G 2/20 C08L 59/04 C08G 2/10 C08G 2/18 (11) EP3683247 (21) EP18856972.7 (22) 12.06.2018 (54) OXYMETHYLENE-COPOLYMER MANUFACTURING METHOD (73) Mitsubishi Gas Chemical Company, Inc. (72) OKADA, Takuya YAMAMOTO, Yuuta SUNAGA, Daisuke
(73) Tokyo Institute of Technology JAPAN AS REPRESENTED BY THE DIRECTOR-GENERAL OF NATIONAL INSTITUTE OF INFECTIOUS DISEASES Denka Company Limited The Kitasato Institute	(74) dr. ir. F.M. van Bouwelen (31) 201810389343 201810389316 (32) 27.04.2018 27.04.2018 (33) China China (47) 13.03.2024	(74) dr. R.C. van Duijvenbode c.s. (31) 2017175138 (32) 12.09.2017 (33) Japan (47) 27.03.2024
(72) KATAYAMA, Kazuhiko UENO Takafumi MIKI, Motohiro ONODERA, Taishi MANO Megumi YOSHIKAWA Kengo TAKAHASHI, Yoshimasa TODAKA, Reiko	(31) 201810389343 201810389316 (32) 27.04.2018 27.04.2018 (33) China China (47) 13.03.2024	(74) dr. R.C. van Duijvenbode c.s. (31) 2017175138 (32) 12.09.2017 (33) Japan (47) 27.03.2024
(74) dr. R.C. van Duijvenbode c.s. (31) 2016207417 (32) 23.10.2016 (33) Japan (47) 24.04.2024	(51) C08F 283/02 C08F 290/06 C08F 283/01 (11) EP3800210 (21) EP20209145.0 (22) 12.12.2017 (54) AN ACRYLIC POLYESTER RESIN AND AN AQUEOUS COATING COMPOSITION CONTAINING THE SAME (73) PPG Industries Ohio, Inc. (72) RETSCH Jr, William H. POWELL, Adam Bradley DUDIK, John M ATMURI, Anand K. OLAH, Michael KURTZ, Christopher P. MILLERO Jr, Edward R.	(51) C08G 59/68 C08G 63/82 C08L 63/00 C08G 18/32 C08G 18/34 C08G 63/12 C08G 63/52 C08G 63/668 C08G 18/48 C08G 18/73 C08G 18/75 C08G 18/76 (11) EP3635026 (21) EP18813344.1 (22) 08.06.2018 (54) ION-CROSSLINKED POLYMERIC OR OLIGOMERIC COMPOSITIONS (73) The Penn State Research Foundation (72) GERHARD, Ethan YANG, Jian (74) mr. ir. J. van Breda c.s. (31) 201762517418 P 201762517377 P (32) 09.06.2017 09.06.2017 (33) United States of America United States of America (47) 03.04.2024
(51) C08F 4/6592 C08F 210/16 C08F 210/14 B01J 31/02 (11) EP3747913 (21) EP19186307.5 (22) 10.03.2015 (54) CONTINUITY COMPOSITIONS AND OLEFIN POLYMERISATION METHOD USING THE SAME (73) Univation Technologies, LLC (72) AWE, Michael D. PANNELL, Richard B. GLOWCZWSKI, David M. MARIOTT, Wesley R. LYNN, Timothy R. CAO, Phuong A. KUO, Chi-I HUSSEIN, F. David	(51) C08F 283/02 C08F 290/06 C08F 283/01 (11) EP3800212 (21) EP20209197.1 (22) 12.12.2017 (54) AN ACRYLIC POLYESTER RESIN AND AN AQUEOUS COATING COMPOSITION CONTAINING THE SAME (73) PPG Industries Ohio, Inc. (72) POWELL, Adam Bradley RETSCH Jr., William H. ATMURI, Anand K. OLAH, Michael KURTZ, Christopher P. MILLERO Jr., Edward R. DUDIK, John M.	(51) C08F 283/02 C08F 290/06 C08F 283/01 (11) EP3800212 (21) EP20209197.1 (22) 12.12.2017 (54) AN ACRYLIC POLYESTER RESIN AND AN AQUEOUS COATING COMPOSITION CONTAINING THE SAME (73) PPG Industries Ohio, Inc. (72) POWELL, Adam Bradley RETSCH Jr., William H. ATMURI, Anand K. OLAH, Michael KURTZ, Christopher P. MILLERO Jr., Edward R. DUDIK, John M. (74) dr. W.A.H.M. Van Borm (31) 201662432994 P (32) 12.12.2016 (33) United States of America (47) 10.04.2024
(74) ir. W.J.J.M. Kempes (31) 201461974032 P (32) 02.04.2014 (33) United States of America (47) 17.04.2024	(51) C08F 283/02 C08F 290/06 C08F 283/01 (11) EP3800212 (21) EP20209197.1 (22) 12.12.2017 (54) AN ACRYLIC POLYESTER RESIN AND AN AQUEOUS COATING COMPOSITION CONTAINING THE SAME (73) PPG Industries Ohio, Inc. (72) POWELL, Adam Bradley RETSCH Jr., William H. ATMURI, Anand K. OLAH, Michael KURTZ, Christopher P. MILLERO Jr., Edward R. DUDIK, John M.	(51) C08F 283/02 C08F 290/06 C08F 283/01 (11) EP3800212 (21) EP20209197.1 (22) 12.12.2017 (54) AN ACRYLIC POLYESTER RESIN AND AN AQUEOUS COATING COMPOSITION CONTAINING THE SAME (73) PPG Industries Ohio, Inc. (72) POWELL, Adam Bradley RETSCH Jr., William H. ATMURI, Anand K. OLAH, Michael KURTZ, Christopher P. MILLERO Jr., Edward R. DUDIK, John M. (74) dr. W.A.H.M. Van Borm (31) 201662432994 P (32) 12.12.2016 (33) United States of America (47) 10.04.2024
(51) C08F 255/02 B01J 19/12 B01J 19/00 (11) EP3786202 (21) EP19792130.7 (22) 26.04.2019 (54) POLAR MONOMER GRAFTED POLYPROPYLENE RESIN, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF (73) Beijing Research Institute of Chemical Industry, China Petroleum & Chemical Corporation China Petroleum & Chemical Corporation (72) GAO, Jianming	(51) C08F 283/02 C08F 290/06 C08F 283/01 (11) EP3800212 (21) EP20209197.1 (22) 12.12.2017 (54) AN ACRYLIC POLYESTER RESIN AND AN AQUEOUS COATING COMPOSITION CONTAINING THE SAME (73) PPG Industries Ohio, Inc. (72) POWELL, Adam Bradley RETSCH Jr., William H. ATMURI, Anand K. OLAH, Michael KURTZ, Christopher P. MILLERO Jr., Edward R. DUDIK, John M. (74) dr. W.A.H.M. Van Borm (31) 201662432994 P (32) 12.12.2016 (33) United States of America	(51) C08G 63/692 C08L 77/06 C07F 9/6571 (11) EP4097167 (21) EP21702943.8 (22) 29.01.2021 (54) POLYAMIDE COMPOSITION COMPRISING A FLAME RETARDANT POLYESTER AND METHOD FOR PREPARING IT (73) POLYTECHNYL S.A.S. (72) BADEL, Thierry (74) J.M.H. Duyver lic. (31) 20305077 (32) 29.01.2020 (33) European Patent Office (EPO) (47) 21.02.2024
	(51) C08F 283/02 C08F 290/06 C08F 283/01 (11) EP3800212 (21) EP20209197.1 (22) 12.12.2017 (54) AN ACRYLIC POLYESTER RESIN AND AN AQUEOUS COATING COMPOSITION CONTAINING THE SAME (73) PPG Industries Ohio, Inc. (72) POWELL, Adam Bradley RETSCH Jr., William H. ATMURI, Anand K. OLAH, Michael KURTZ, Christopher P. MILLERO Jr., Edward R. DUDIK, John M. (74) dr. W.A.H.M. Van Borm (31) 201662432994 P (32) 12.12.2016 (33) United States of America	(51) C08G 65/26

C08G 18/48	GALASCO, Alberto	(72) NAKAJIMA, Momoko
(11) EP3681930	BOULANGER, Didier	SAKATA, Hideyuki
(21) EP18779965.5	RODRIGUEZ PEREZ, Miguel, Angel	KASHIHARA, Kenji
(22) 14.09.2018	(74) ir. W.J.J.M. Kempes	(74) ir. J.C. Volmer c.s.
(54) PROCESS OF MANUFACTURING POLYOLS	(31) 18200470	(31) 2018210518
(73) Dow Global Technologies LLC	(32) 15.10.2018	(32) 08.11.2018
(72) WILSON, David R.	(33) European Patent Office (EPO)	(33) Japan
SPINNEY, Heather A.	(47) 21.02.2024	(47) 06.03.2024
RAGHURAMAN, Arjun	(51) C08K 3/34	(51) C09K 5/14
HEATH, William H.	C08K 5/526	F04B 37/08
MUKHOPADHYAY, Sukrit	(11) EP3476888	F25B 9/00
(74) ir. W.J.J.M. Kempes	(21) EP17198353.9	(11) EP3916068
(31) 201862635649 P	(22) 25.10.2017	(21) EP21181001.5
201762559803 P	(54) FILLED POLYPROPYLENE	(22) 04.09.2015
201762559793 P	COMPOSITION WITH IMPROVED	(54) REFRIGERATOR COMPRISING RARE
201762558416 P	THERMO-MECHANICAL PROPERTIES	EARTH COLD ACCUMULATING
201762558425 P	(73) Borealis AG	MATERIAL PARTICLES
(32) 27.02.2018	(72) WANG, Jingbo	(73) Toshiba Materials Co., Ltd.
18.09.2017	GAHLEITNER, Markus	KABUSHIKI KAISHA TOSHIBA
18.09.2017	VIRKKUNEN, Ville	(72) YAMADA, Katsuhiko
14.09.2017	SCHWARZENBERGER, Simon	FUSE, Keiichi
14.09.2017	BERNREITNER, Klaus	(74) dr. R.C. van Duijvenbode c.s.
(33) United States of America	(74) drs. O. Griebing	(31) 2014195603
United States of America	(47) 14.02.2024	(32) 25.09.2014
United States of America	(51) C09D 171/00	(33) Japan
United States of America	C09D 171/12	(47) 24.04.2024
United States of America	C09D 5/00	(51) C10G 33/02
(47) 24.04.2024	B32B 15/08	C10G 53/02
(51) C08J 5/24	(11) EP3611235	(11) EP3394212
(11) EP3138870	(21) EP19195021.1	(21) EP16829354.6
(21) EP16177900.4	(22) 15.04.2011	(22) 15.12.2016
(22) 05.07.2016	(54) COATING COMPOSITIONS FOR	(54) TOPSIDE OIL PRODUCTION
(54) SYSTEM AND METHOD FOR	PACKAGING ARTICLES AND	EQUIPMENT SYSTEM FOR
PRODUCING A FULLY IMPREGNATED	METHODS OF COATING	REDUCTION IN SPACE AND WEIGHT
THERMOPLASTIC PREPREG AND	(73) SWIMC LLC	(73) Cameron Solutions, Inc.
PREPREG	(72) Schutte, Grant	(72) CAIRES FERNANDEZ, Luis, Eduardo
(73) Johns Manville	Stenson, Paul	SAMS, Gary, W.
(72) BLOCK, Michael J.	Prouvost, Benoit	MANDEWALKAR, S. Pavankumar, B.
YOHANNES, Asheber	Evans, Richard H.	SPRENKEL, Marcus, D.
SANDOVAL, Christopher P.	Niederst, Jeffrey	(74) ir. A. Blokland c.s.
BRISTOL, Derek Cooper	O'Brien, Robert M.	(31) 201514977931
ASRAR, Jawed	Romagnoli, Kevin	(32) 22.12.2015
GLEICH, Klaus Friedrich	Van Kuren, Tom	(33) United States of America
ZHANG, Mingfu	(74) ir. W.J.J.M. Kempes	(47) 31.01.2024
(74) ir. F.A. Geurts c.s.	(31) 33313310 P	(51) C12N 9/02
(31) 201514880307	32499710 P	A61K 38/17
201514845007	(32) 10.05.2010	C07K 14/435
(32) 12.10.2015	16.04.2010	C07K 19/00
03.09.2015	(33) United States of America	C12N 15/62
(33) United States of America	United States of America	A61K 48/00
United States of America	(47) 27.03.2024	A61P 35/00
(47) 01.05.2024	(51) C09J 123/26	A61P 25/18
(51) C08J 9/08	B32B 15/085	A61P 9/00
(11) EP3867305	C09J 11/08	(11) EP3744835
(21) EP19783570.5	C09J 151/06	(21) EP20183740.8
(22) 15.10.2019	B32B 7/12	(22) 29.05.2013
(54) FOAMABLE CROSSLINKABLE	B32B 15/18	(54) DNA MODIFYING FUSION PROTEINS
POLYMER COMPOSITION	B32B 15/20	AND METHODS OF USE THEREOF
CONTAINING A FUNCTIONALIZED	B32B 27/32	(73) The General Hospital Corporation
PARTICULATE BICARBONATE AS	H01M 50/119	(72) MAEDER, Morgan
BLOWING AGENT AND METHOD FOR	H01M 50/121	ANGSTMAN, James
MANUFACTURING A CROSSLINKED	H01M 50/124	JOUNG, Keith, J
FOAMED POLYMER THEREFROM	(11) EP3878918	(74) dr. R.C. van Duijvenbode c.s.
(73) SOLVAY SA	(21) EP19883166.1	(31) 201313838520
(72) GOFFIN, Anne-Lise	(22) 15.01.2019	201261652711 P
LOPEZ GONZALEZ, Eduardo	(54) POLYOLEFIN-BASED ADHESIVE	(32) 15.03.2013
SAIZ ARROYO, Cristina	COMPOSITION	29.05.2012
	(73) TOYOBO MC Corporation	(33) United States of America

United States of America	29.01.2013	(11) EP3684949
(47) 31.01.2024	(33) United States of America	(21) EP18858002.1
(51) C12N 9/22	United States of America	(22) 21.09.2018
C12N 15/63	(47) 10.04.2024	(54) IN SITU COMBINATORIAL LABELING OF CELLULAR MOLECULES
C07K 16/28	(51) C12N 15/09	(73) University of Washington
C07K 19/00	A01H 1/00	(72) ROSENBERG, Alexander B.
C07K 14/725	A01K 67/027	ROCO, Charles
A61K 38/00	C12N 5/10	SEELIG, Georg
A61K 35/17	(11) EP3636753	(74) ir. F.A. Geurts c.s.
C07K 14/705	(21) EP18812837.5	(31) 201762561806 P
C12N 5/0783	(22) 08.06.2018	(32) 22.09.2017
A61P 35/00	(54) METHOD FOR MANUFACTURING DNA-EDITED EUKARYOTIC CELL	(33) United States of America
A61P 35/02	(73) Osaka University	(47) 17.04.2024
(11) EP3546572	(72) MASHIMO, Tomoji	(51) C12Q 1/6851
(21) EP19161861.0	MORISAKA, Hiroyuki	C12Q 1/6834
(22) 12.05.2014	YOSHIMI, Kazuto	(11) EP4073268
(54) CD19 SPECIFIC CHIMERIC ANTIGEN RECEPTOR AND USES THEREOF	TAKEDA, Junji	(21) EP20829140.1
(73) Cellectis	(74) dr. R.C. van Duijvenbode c.s.	(22) 09.12.2020
(72) SMITH, Julianne	(31) 2017113747	(54) QUANTIFICATION OF POLYNUCLEOTIDE ANALYTES FROM DRIED SAMPLES
SCHARENBERG, Andrew	(32) 08.06.2017	(73) GEN-PROBE INCORPORATED
SCHIFFER-MANNIOUI, Cécile	(33) Japan	(72) WANG, Xianqun
GALETTO, Roman	(47) 03.04.2024	NAIR, Sangeetha Vijaysri
(74) dr. R.C. van Duijvenbode c.s.	(51) C12N 15/86	(74) ir. W.J.J.M. Kempes
(31) 201361888259 P	A61K 35/76	(31) 201962946270 P
201313892805	A61P 7/00	201962945685 P
PCT/US2013/040766	A61K 9/00	(32) 10.12.2019
PCT/US2013/040755	A61K 9/19	09.12.2019
(32) 08.10.2013	A61K 47/02	(33) United States of America
13.05.2013	A61K 47/18	United States of America
13.05.2013	A61K 31/195	(47) 10.04.2024
13.05.2013	A61K 47/22	(51) C12Q 1/6869
(33) United States of America	A61K 47/26	C12Q 1/6834
United States of America	(11) EP3534922	C12N 15/10
World Intellectual Property Office (WIPO)	(21) EP17866366.2	C40B 50/14
World Intellectual Property Office (WIPO)	(22) 03.11.2017	C40B 50/18
(47) 13.03.2024	(54) ADENO-ASSOCIATED VIRUS FORMULATIONS	(11) EP3486331
(51) C12N 9/88	(73) Takeda Pharmaceutical Company Limited	(21) EP18198695.1
A61K 38/51	(72) FIEDLER, Christian	(22) 08.01.2014
A61K 9/00	FRITSCHER, Eva	(54) SAMPLE PREPARATION ON A SOLID SUPPORT
A61K 31/205	HASSLACHER, Meinhard	(73) Illumina Cambridge Limited
A61K 31/385	TABISH, Tanvir	(72) GORMLEY, Niall, Anthony
A61K 45/06	MITTERGRADNEGGER, Dominik	SMITH, Geoffrey, Paul
A61K 47/60	(74) dr. ir. F.M. van Bouwelen	(74) ir. W.J.J.M. Kempes
A61P 9/10	(31) 201662417750 P	(31) 201361750682 P
A61P 11/00	(32) 04.11.2016	(32) 09.01.2013
A61P 19/00	(33) United States of America	(33) United States of America
A61P 19/10	(47) 17.04.2024	(47) 17.04.2024
A61P 25/00	(51) C12Q 1/68	(51) C21D 8/02
A61P 27/02	C12Q 1/70	C21D 9/46
A61P 43/00	C12Q 1/6844	C22C 38/02
C12N 9/96	C12Q 1/6876	C22C 38/22
A61K 31/198	(11) EP3464628	C22C 38/26
(11) EP3712264	(21) EP17731374.9	C22C 38/28
(21) EP20168207.7	(22) 06.06.2017	C22C 38/32
(22) 29.01.2014	(54) TARGET REPORTER CONSTRUCTS AND USES THEREOF	C22C 38/38
(54) CYSTATHIONINE BETA-SYNTASE ENZYME FOR TREATMENT OF HOMOCYSTINURIA	(73) RedVault Biosciences, LP	(11) EP4114994
(73) The Regents of the University of Colorado, A Body Corporate	(72) WEIER, Christopher, August	(21) EP21703775.3
(72) BUBLIL, Erez	METZKER, Michael, L.	(22) 08.02.2021
MAJTAN, Tomas	(74) ir. W.J.J.M. Kempes	(54) HIGH STRENGTH COLD ROLLED AND GALVANNEALED STEEL SHEET AND MANUFACTURING PROCESS THEREOF
KRAUS, Jan P.	(31) 201662346334 P	(73) ArcelorMittal
(74) dr. ir. F.M. van Bouwelen	(32) 06.06.2016	(72) INACIO DA ROSA, Gregory
(31) 201313803804	(33) United States of America	
201361758138 P	(47) 31.01.2024	
(32) 14.03.2013	(51) C12Q 1/6806	

FAN, Dongwei	STOICA, Leonard	(32) 14.10.2017
DRILLET, Josée	EWEINER, Florian	(33) United States of America
ZHAO, Lijia	(74) ir. W.J.J.M. Kempes	(47) 27.03.2024
(74) dr. R.C. van Duijvenbode c.s.	(47) 03.04.2024	(51) D04C 7/00
(31) PCT/IB2020/051750	(51) D01F 8/14	A63H 33/30
(32) 02.03.2020	D02G 3/04	(11) EP3926085
(33) World Intellectual Property Office (WIPO)	D02J 1/22	(21) EP21176477.4
(47) 27.03.2024	D01D 5/34	(22) 25.01.2018
(51) C23C 14/14	D01D 5/22	(54) BRAIDING MACHINE
C23C 14/16	(11) EP3556915	(73) Spin Master Ltd.
C23C 14/24	(21) EP17882217.7	Fuse London Ltd
C23C 14/56	(22) 12.12.2017	(72) Jameson, Mollie B.
(11) EP3523456	(54) ECCENTRIC CORE-SHEATH	Whitehead, Brian
(21) EP17752165.5	COMPOSITE FIBER AND COMBINED	Chan, Herman
(22) 27.07.2017	FILAMENT YARN	(74) dr. W.A.H.M. Van Borm
(54) APPARATUS AND METHOD FOR	(73) Toray Industries, Inc.	(31) 201707396
VACUUM DEPOSITION	(72) SUZUKI, Norio	201815863533
(73) ArcelorMittal	MORIOKA, Hideki	(32) 09.05.2017
(72) PACE, Sergio	MASUDA, Masato	05.01.2018
BONNEMANN, Rémy	(74) J.M.H. Duyver lic.	(33) United Kingdom
WILDERS, Dimitri	(31) 2017106632	United States of America
SILBERBERG, Eric	2016242514	(47) 14.02.2024
GAOUYAT, Lucie	(32) 30.05.2017	(51) D04H 3/16
(74) dr. R.C. van Duijvenbode c.s.	14.12.2016	D04H 13/00
(31) PCT/IB2016/054477	(33) Japan	D01D 5/088
(32) 27.07.2016	Japan	D04H 3/037
(33) World Intellectual Property Office (WIPO)	(47) 27.03.2024	D04H 3/045
(47) 17.04.2024	(51) D02G 3/44	(11) EP3779017
(51) C23C 14/20	D03D 1/00	(21) EP19774345.3
C23C 14/34	G06F 3/044	(22) 07.03.2019
G01N 27/327	D03D 15/00	(54) NET STRUCTURE MANUFACTURING
G01B 5/06	(11) EP3569746	APPARATUS AND NET STRUCTURE
G02B 1/10	(21) EP19174913.4	MANUFACTURING METHOD
(11) EP3303984	(22) 16.05.2019	(73) TOYOBO MC Corporation
(21) EP16800804.3	(54) COMPOSITE YARN FOR THE	(72) NAKAMURA, Takanori
(22) 27.05.2016	POSITION SENSITIVE CAPACITIVE	INOUE, Takuo
(54) BIOSENSOR ELECTRODE AND	TOUCH SENSING	TSUJII, Hiroyuki
METHOD OF FORMING A BIOSENSOR	(73) Sanko Tekstil Isletmeleri San. Ve Tic.	KOBUCHI, Shinichi
ELECTRODE	A.S.	(74) dr. R.C. van Duijvenbode c.s.
(73) Saint-Gobain Performance Plastics	(72) COBANOGLU, Ozgur	(31) 2018063113
Corporation	EVREN, Erkan	2018063112
(72) LIENHART, Fabien	AGZIKARA, Seref	2018063111
XU, Wentao	OGUZ, Onur Birkan	(32) 28.03.2018
(74) ir. W.J.J.M. Kempes	ERKUS, Ertug	28.03.2018
(31) 201562167091 P	SELCUK, Nurullah	28.03.2018
(32) 27.05.2015	KAZANC, Semih	(33) Japan
(33) United States of America	EREN, Nafiz	Japan
(47) 21.02.2024	CAGLAR, Fehim	Japan
(51) C25B 1/04	IYIDOĞAN, Deniz	(47) 24.04.2024
C09D 127/18	(74) dr. G. Visser-Luirink	(51) D21H 17/67
C09D 135/08	(31) 18172676	D21H 19/38
C09D 141/00	(32) 16.05.2018	C01F 11/18
H01M 8/1004	(33) European Patent Office (EPO)	C08K 3/26
H01M 4/88	(47) 03.04.2024	(11) EP3317458
H01M 8/12	(51) D04C 3/06	(21) EP16736589.9
H01M 8/102	D04C 3/30	(22) 30.06.2016
C25B 9/23	D04C 3/04	(54) MINERAL COMPOSITIONS
H01M 8/10	(11) EP3695037	(73) IMERTECH SAS
(11) EP3760683	(21) EP18866481.7	(72) PRING, Graham M
(21) EP19184400.0	(22) 13.10.2018	CHEESEMAN, Matthew
(22) 04.07.2019	(54) BRAIDING MACHINE AND METHODS	PRESTON, Janet
(54) METHOD FOR PRODUCING A	OF USE	(74) dr. W.A.H.M. Van Borm
CATALYST-COATED MEMBRANE	(73) Inceptus Medical, LLC	(31) 201511492
(73) Heraeus Precious Metals GmbH & Co.	(72) QUICK, Richard	(32) 30.06.2015
KG	THRESS, John Coleman	(33) United Kingdom
(72) NESSELBERGER, Markus	ULRICH, Greg	(47) 21.02.2024
HASCHÉ, Frédéric	(74) ir. A. Blokland c.s.	(51) E01B 27/14
KUWERTZ, Nadia	(31) 201762572462 P	(11) EP4095313

(21) EP22173664.8	(47) 10.04.2024	(54) METHOD FOR MAKING FIRE
(22) 17.05.2022	(51) E03C 1/186	RETARDANT MATERIALS AND
(54) HANDHELD TAMPING MACHINE FOR	(11) EP4065778	RELATED PRODUCTS
RAILROAD BALLAST	(21) EP20806970.8	(73) Cleanfiber, LLC
(73) Robel Bahnbaumaschinen GmbH	(22) 11.11.2020	(72) FISCHER, Curtis
(72) Mühlbacher, Florian	(54) SINK WITH SEPARATE INSERT PLATE	STRIMLING, Jonathan
(74) ir. J.C. Volmer c.s.	WHICH IS PIVOTABLE	BRANDSTEIN, Mark
(31) 102021205469	(73) BSH Hausgeräte GmbH	(74) ir. W.J.J.M. Kempes
(32) 28.05.2021	(72) REU, Benjamin	(31) 201762592994 P
(33) Germany	DÜSTERHUS, Jürgen	(32) 30.11.2017
(47) 21.02.2024	WÖLFLER, Andreas	(33) United States of America
(51) E01B 31/17	(31) 102019218642	(47) 03.04.2024
(11) EP4089232	(32) 29.11.2019	(51) E04B 9/36
(21) EP22170455.4	(33) Germany	E04B 9/16
(22) 28.04.2022	(47) 01.05.2024	E04B 9/26
(54) RAIL GRINDING MACHINE AND	(51) E03D 1/14	(11) EP3591131
METHOD FOR GRINDING RAILS OF A	E03D 1/34	(21) EP19184484.4
TRACK	E03D 1/35	(22) 04.07.2019
(73) Robel Bahnbaumaschinen GmbH	(11) EP3702544	(54) CEILING SYSTEM
(72) Hölzlwimmer, Thomas	(21) EP20159878.6	(73) Hunter Douglas Industries B.V.
Widroither, Otto	(22) 27.02.2020	(72) FICK, John
Kühnel, Clemens	(54) FLUSH VALVE FOR TOILET CISTERN	LANGEVELD, Michiel
(74) ir. J.C. Volmer c.s.	WITH ADJUSTABLE DRAINAGE SPEED	(74) dr. R.C. van Duijvenbode c.s.
(31) 102021204878	(73) ECO (XIAMEN) TECHNOLOGY INC.	(31) 18181740
(32) 12.05.2021	(72) WU, Jinzhen	(32) 04.07.2018
(33) Germany	MIAO, Dangdang	(33) European Patent Office (EPO)
(47) 28.02.2024	CHI, Shangfei	(47) 10.04.2024
(51) E01C 5/06	GAN, Jiasheng	(51) E04F 10/06
(11) EP3957794	WEI, Wu	(11) EP3985200
(21) EP21191206.8	(74) ir. W.J.J.M. Kempes	(21) EP21198470.3
(22) 13.08.2021	(31) 201910146213	(22) 23.09.2021
(54) SELF-LOCKING CONCRETE PAVING	(32) 27.02.2019	(54) MOUNTING BRACKET FOR
BLOC	(33) China	MOUNTING AN AWNING TO A
(73) Etablissements Heinrich Bock et Cie	(47) 03.04.2024	BUILDING AND AWNING EQUIPPED
(72) HEINRICH, Sébastien	(51) E04B 1/41	WITH SAME
(74) ir. W.J.J.M. Kempes	E04B 5/02	(73) markilux GmbH + Co. KG
(31) 2008548	E04C 3/29	(72) Becks, Daniel
(32) 18.08.2020	B01D 35/28	Kröner, Sven
(33) France	B01D 39/10	(74) ir. J.C. Volmer c.s.
(47) 21.02.2024	B01D 46/40	(31) 102020213049
(51) E02D 7/18	D21F 1/00	(32) 15.10.2020
B06B 1/16	(11) EP3695062	(33) Germany
(11) EP4022132	(21) EP18786296.6	(47) 28.02.2024
(21) EP20765379.1	(22) 11.10.2018	(51) E04F 13/06
(22) 28.08.2020	(54) ANCHOR ELEMENT, CONCRETE	(11) EP4036347
(54) SHAKER FOR GENTLE DRIVING OF	COMPONENT WITH ANCHOR	(21) EP22152259.2
PILES	ELEMENT AND PRODUCTION	(22) 19.01.2022
(73) Vibrotwist B.V.	METHOD	(54) PLASTER PROFILE WITH A
(72) METRIKINE, Andrey Vladimirovich	(73) Nevoga Immo s.r.o.	PLASTERABLE FOIL ON ONE OF ITS
SANCHEZ GOMEZ, Sergio	(72) LEHNEN, Dieter	PLASTERING LEGS
(74) drs. P.A. van Essen c.s.	SPOHR, Ingo	(73) Protektorwerk Florenz Maisch GmbH &
(31) 2023723	MEYER, Joachim	Co. KG
(32) 28.08.2019	PRILHOFER, Christian	(72) KLUMPP, Jochen
(33) Netherlands	PRILHOFER, Jana	KAUFMANN, Gerhard
(47) 10.01.2024	SPEIER, Ludger	MISSIONE, Massimiliano
(51) E02D 27/42	(74) dr. R.C. van Duijvenbode c.s.	(74) dr. R.C. van Duijvenbode c.s.
(11) EP3754116	(31) 102017123874	(31) 102021101961
(21) EP19181636.2	(32) 13.10.2017	(32) 28.01.2021
(22) 21.06.2019	(33) Germany	(33) Germany
(54) SYSTEM AND METHOD FOR	(47) 27.03.2024	(47) 24.04.2024
LEVELLING AND GRIPPING A JACKET	(51) E04B 1/78	(51) E04G 15/06
LEG INTO A HOLLOW FOUNDATION	E04B 1/94	F16L 5/02
PILE	E04B 2/02	(11) EP3702551
(73) Saipem S.p.A.	D21C 5/02	(21) EP19160174.9
(72) MCCARTHY, Vincent George	D21C 9/02	(22) 01.03.2019
STOKES, Benjamin Lloyd	(11) EP3717712	(54) USE OF A FEEDTHROUGH FOR
SEXTON, Christopher James	(21) EP18883472.5	POURING AND A FEEDTHROUGH
(74) ir. F.A. Geurts c.s.	(22) 30.11.2018	ASSEMBLY

(73) Hauff-Technik GmbH & Co. KG (72) Kurz, Ralf (74) dr. A. Krebs (47) 07.02.2024	DISASSEMBLY AND ASSEMBLY STRUCTURE (73) Taroko Door & Window Technologies, Inc. (72) ZHANG, Zhiyuan (74) dr. T. Wittop Koning PhD (47) 24.04.2024	(54) MULTI-STAGED COWL FOR A HYDROKINETIC TURBINE (73) Télésystème Énergie Ltée. (72) HAMAD, Imad (74) ir. J.C. Volmer c.s. (31) 201962818252 P (32) 14.03.2019 (33) United States of America (47) 21.02.2024
(51) E06B 7/14 E06B 3/46 E06B 3/263 (11) EP3844364 (21) EP19762862.1 (22) 29.08.2019 (54) BOTTOM PROFILE OF A FRAME OF A WINDOW OR DOOR AND METHOD FOR THE MANUFACTURE OF SUCH A BOTTOM PROFILE (73) Reynaers Aluminium, naamloze vennootschap (72) JOOSSEN, Ben (31) 201805605 (32) 30.08.2018 (33) Belgium (47) 24.04.2024	(51) E06C 7/00 E06C 1/18 G08B 21/00 (11) EP3830376 (21) EP19841402.1 (22) 26.07.2019 (54) LAST STEP INDICATOR FOR LADDERS AND LADDERS INCORPORATING SAME (73) Little Giant Ladder Systems, LLC (72) MOSS, N. Ryan CLARK, Wesley V. (74) dr. A. Krebs (31) 201862711266 P (32) 27.07.2018 (33) United States of America (47) 07.02.2024	(51) F03D 7/02 F03D 17/00 (11) EP4146930 (21) EP21734330.0 (22) 21.06.2021 (54) ROTATION LIMIT DETECTOR (73) Siemens Gamesa Renewable Energy A/ S (72) GINZBURG, Boris SCHMIDT, Soeren Adrian (74) ir. W.J.J.M. Kempes (31) 20183112 (32) 30.06.2020 (33) European Patent Office (EPO) (47) 20.03.2024
(51) E06B 7/23 E06B 3/46 F25D 23/08 (11) EP3374588 (21) EP16798607.4 (22) 08.11.2016 (54) FLEXIBLE SEALS FOR INSULATED DOORS (73) Rite-Hite Holding Corporation (72) HOERNER, William W. CASEY, Nicholas J. KERN, Rodney LEWAN, Derek (74) dr. ir. G.J.C. Verdijck c.s. (31) 201514936091 (32) 09.11.2015 (33) United States of America (47) 20.03.2024	(51) F01D 5/18 (11) EP3922819 (21) EP21175804.0 (22) 25.05.2021 (54) CAST TURBINE NOZZLE HAVING HEAT TRANSFER PROTRUSIONS ON INNER SURFACE OF LEADING EDGE (73) General Electric Technology GmbH (72) DAS, Debdulal LEWIS, Bryan Davis NEWMAN, Stephen Walter (74) ir. W.J.J.M. Kempes (31) 202011024646 (32) 11.06.2020 (33) India (47) 10.04.2024	(51) F03D 80/60 (11) EP4097355 (21) EP21711772.0 (22) 03.03.2021 (54) WIND TURBINE THERMAL ASSEMBLY (73) Siemens Gamesa Renewable Energy A/ S (72) MOELLER, Henrik Braamunk (74) ir. W.J.J.M. Kempes (31) 20162070 (32) 10.03.2020 (33) European Patent Office (EPO) (47) 20.03.2024
(51) E06B 9/174 E06B 9/50 E06B 9/72 (11) EP3969715 (21) EP20725543.1 (22) 14.05.2020 (54) ELECTROMECHANICAL ACTUATOR AND CLOSURE, COVERING OR SOLAR PROTECTION INSTALLATION COMPRISING SUCH AN ELECTROMECHANICAL ACTUATOR (73) Somfy Activites SA (72) PETITE, Sébastien GARCIA, Thomas CAILLAT, Jonathan (74) dr. R.C. van Duijvenbode c.s. (31) 1905072 (32) 15.05.2019 (33) France (47) 27.03.2024	(51) F01D 5/28 F01D 25/24 F01D 9/04 (11) EP3967846 (21) EP20195499.7 (22) 10.09.2020 (54) NOZZLE SEGMENT, STEAM TURBINE WITH DIAPHRAGM OF MULTIPLE NOZZLE SEGMENTS AND METHOD FOR ASSEMBLY THEREOF (73) General Electric Technology GmbH (72) DOEBLER, Rolf LORINI, Huascar OSGERBY, Steve SEGAT, Simon BULLOUGH, Chris (74) ir. W.J.J.M. Kempes (47) 03.04.2024	(51) F04C 18/02 F04C 29/00 F01C 21/02 F04C 23/00 (11) EP3926171 (21) EP19932284.3 (22) 27.12.2019 (54) SCROLL COMPRESSOR, VEHICLE AIR CONDITIONER AND VEHICLE (73) Gree Green Refrigeration Technology Center Co., Ltd. of Zhuhai (72) LI, Xuefeng KANG, Xiaoli CHEN, Xiaoshan LIU, Shuanglai SHAN, Caixia HU, Yusheng WEI, Huijun LIU, Yun (74) ir. W.J.J.M. Kempes (31) 201910497272 (32) 10.06.2019 (33) China (47) 20.03.2024
(51) E06B 9/52 E06B 9/326 (11) EP4023851 (21) EP19942932.5 (22) 30.08.2019 (54) SCREEN WIRE REGULATION AND CONTROL DEVICE WITH EASY	(51) F03B 13/10 F03B 11/00 F03B 3/18 F03B 17/06 F03B 3/00 F03B 11/02 (11) EP3938646 (21) EP20769425.8 (22) 13.03.2020	(51) F04D 17/06 F04D 25/06 F04D 29/28 F04D 29/44 F04D 25/08 (11) EP3540236 (21) EP19163280.1

(22) 15.03.2019	(72) Luo, Xiong	(32) 09.11.2020
(54) REFRIGERATION SYSTEM MIXED-FLOW COMPRESSOR	(74) dr. W.A.H.M. Van Borm	(33) United States of America
(73) Carrier Corporation	(31) 201922016648 U	(47) 27.03.2024
(72) JOLY, Michael M.	(32) 20.11.2019	(51) F21V 19/00
SISHTLA, Vishnu M.	(33) China	F21V 8/00
COUSINS, William T.	(47) 01.05.2024	F21S 8/00
(74) J.M.H. Duyver lic.	(51) F21S 43/50	F21V 7/00
(31) 201862644017 P	F21S 43/14	F21Y 115/10
(32) 16.03.2018	F21S 43/145	F21Y 113/20
(33) United States of America	F21S 43/20	F21W 121/00
(47) 24.04.2024	F21S 43/31	(11) EP3951259
(51) F16C 17/18	F21S 2/00	(21) EP20810451.3
F16C 33/04	F21K 9/60	(22) 20.05.2020
F16C 11/04	F21Y 115/10	(54) ILLUMINATION LAMP
(11) EP4219967	H01L 23/00	(73) Suzhou Oppl Lighting Co., Ltd.
(21) EP23176206.3	H01L 33/50	Oppl Lighting Co., Ltd.
(22) 03.07.2019	H01L 25/075	(72) ZHAO, Yuxin
(54) ARTICULATED COMPONENT AND MECHANICAL SYSTEM COMPRISING SUCH A COMPONENT	F21V 7/00	(74) J.M.H. Duyver lic.
(73) HYDROMECHANIQUE ET FROTTEMENT	F21K 9/68	(31) 201910436591
(72) PROST, Fabrice	F21Y 105/10	201920751476 U
PAVAILLER, Pierrick	G02F 1/13357	(32) 23.05.2019
(74) ir. H.A. Witmans c.s.	H01L 33/38	23.05.2019
(31) 1856323	H01L 33/52	(33) China
(32) 10.07.2018	H01L 33/60	China
(33) France	F21Y 107/70	(47) 03.04.2024
(47) 03.04.2024	(11) EP3795890	(51) F23R 3/34
(51) F16L 21/035	(21) EP19808450.1	F23D 14/32
F16L 25/00	(22) 03.05.2019	(11) EP3794283
F16L 25/14	(54) LIGHTING MODULE	(21) EP19732772.9
(11) EP4102121	(73) LG Innotek Co., Ltd.	(22) 15.05.2019
(21) EP22177494.6	(72) JANG, Jae Hyuk	(54) COMBUSTOR AND METHOD OF OPERATING A COMBUSTOR
(22) 07.06.2022	EOM, Dong Il	(73) Air Products and Chemicals, Inc.
(54) BUSHING ADAPTER WITH CENTERING AND GUIDING RING	(74) dr. R.C. van Duijvenbode c.s.	(72) D'AGOSTINI, Mark Daniel
(73) Funke Kunststoffe GmbH	(31) 20180058813	SANE, Anup Vasant
(72) Funke, Norbert	(32) 24.05.2018	(74) ir. J.C. Volmer c.s.
Funke, Hans-Günter	(33) Korea (Republic)	(31) 201862671861 P
(74) ir. J.C. Volmer c.s.	(47) 27.03.2024	(32) 15.05.2018
(31) 202021103085 U	(51) F21V 3/04	(33) United States of America
(32) 08.06.2021	F21V 3/00	(47) 13.03.2024
(33) Germany	F21V 3/02	(51) F24F 12/00
(47) 28.02.2024	F21V 7/10	F24F 11/65
(51) F16L 41/03	F21V 14/00	F24F 110/10
F15D 1/14	F21K 9/66	F24F 110/12
(11) EP3887705	H04N 13/344	F24F 110/20
(21) EP19890115.9	H04N 13/395	F24F 110/22
(22) 25.11.2019	(11) EP3865767	F24F 140/30
(54) FLUID MANIFOLD	(21) EP21167309.0	(11) EP4078041
(73) Saint-Gobain Performance Plastics Corporation	(22) 17.04.2017	(21) EP20817270.0
(72) HUSCHKE, Michael R.	(54) INTEGRATED POINT SOURCE FOR TEXTURE PROJECTING BULB	(22) 01.12.2020
(74) ir. W.J.J.M. Kempes	(73) Magic Leap, Inc.	(54) VENTILATION DEVICE AND METHOD OF CONTROLLING A VENTILATION DEVICE
(31) 201862771959 P	(72) KAEHLER, Adrian	(73) Stiebel Eltron GmbH & Co. KG
(32) 27.11.2018	BRADSKI, Gary R.	(72) NEUGEBAUER, Johannes
(33) United States of America	(31) 201662348634 P	BOXHAMMER, Dirk
(47) 27.03.2024	(32) 10.06.2016	(74) ir. W.J.J.M. Kempes
(51) F16M 11/10	(33) United States of America	(31) 102019008913
A45B 23/00	(47) 13.03.2024	(32) 20.12.2019
E04H 12/22	(51) F21V 8/00	(33) Germany
(11) EP4060218	G02B 27/01	(47) 07.02.2024
(21) EP20889732.2	(11) EP3995881	(51) F42C 7/02
(22) 16.01.2020	(21) EP21207253.2	F41H 11/00
(54) ROTARY UMBRELLA SEAT FOR AN UMBRELLA	(22) 09.11.2021	F42D 1/04
(73) Luo, Xiong	(54) WAVEGUIDE DEVICE AND OPTICAL ENGINE	F42B 23/24
	(73) HTC Corporation	G08B 13/12
	(72) DENG, Qing-Long	G08B 3/14
	(74) dr. R.C. van Duijvenbode c.s.	F42C 14/08
	(31) 202063111084 P	

G08B 5/02	(32) 05.11.2020	(73) Amphenol Thermometrics, Inc.
G08B 5/40	05.11.2020	(72) GONGLOFF, Daniel James
(11) EP3410058	25.09.2020	HENDERSON, David Benjamin
(21) EP17173715.8	25.09.2020	KOUZNETSOV, Andrian Ivanovich
(22) 31.05.2017	(33) Germany	(74) ir. W.J.J.M. Kempes
(54) ACTIVE SYSTEM WITH AT LEAST ONE CHARGE AND AT LEAST ONE INITIATOR UNIT	Germany	(31) 201314077008
(73) Rheinmetall Waffe Munition ARGES GmbH	Germany	201314077034
(72) Graf, Helge	Germany	(32) 11.11.2013
Weiss, Martin	(47) 14.02.2024	11.11.2013
(74) dr. R.C. van Duijvenbode c.s.	(51) G01J 1/02	(33) United States of America
(47) 10.04.2024	H01L 31/173	United States of America
(51) G01B 11/06	H01L 33/54	(47) 03.04.2024
(11) EP4103905	H01L 31/0203	(51) G01L 1/22
(21) EP21704801.6	H01L 31/0232	G01B 7/24
(22) 12.02.2021	A61B 5/1455	G01B 7/16
(54) METHOD AND DEVICE FOR MAPPING THE THICKNESS OF AN OBJECT	A61B 5/00	(11) EP4024020
(73) Centre national de la recherche scientifique	G01J 1/04	(21) EP20890655.2
Université Grenoble Alpes	G01J 1/08	(22) 11.09.2020
(72) MOREAU, Philippe	G01J 3/36	(54) STRAIN GAUGE, FORCE SENSOR AND INTERVENTIONAL MEDICAL CATHETER
GOURRIER, Aurélien	H01L 25/16	(73) Shanghai Microport Ep Medtech Co., Ltd.
(74) ir. A. Blokland c.s.	(11) EP3057139	(72) ZHOU, Ziyang
(31) 2001474	(21) EP16153319.5	WANG, Hui
(32) 14.02.2020	(22) 29.01.2016	SHEN, Lei
(33) France	(54) REFLECTIVE OPTICAL SENSOR MODULE	LIANG, Bo
(47) 10.04.2024	(73) Taiwan Biophotonic Corporation	(74) ir. W.J.J.M. Kempes
(51) G01D 21/00	(72) LI, Yu-Tang	(31) 201911150588
A61B 5/0245	CHUNG, Shuang-Chao	(32) 21.11.2019
A61B 5/352	FAN, Chih-Hsun	(33) China
A61N 1/36	CHU, Chang-Sheng	(47) 03.04.2024
(11) EP3936833	LEE, Yeh-Wen	(51) G01N 21/952
(21) EP20767124.9	CHEN, Jyh-Chern	(11) EP3968011
(22) 21.02.2020	CHUNG, Lung-Pin	(21) EP21205299.7
(54) MEASUREMENT CONTROL APPARATUS AND MEASUREMENT CONTROL METHOD	(74) ir. W.J.J.M. Kempes	(22) 19.06.2017
(73) NIPPON TELEGRAPH AND TELEPHONE CORPORATION	(31) 201562115648 P	(54) A TRANSFERRING AND INSPECTING UNIT OF A GROUP OF ELONGATED ELEMENTS
(72) HASHIMOTO, Yuki	(32) 13.02.2015	(73) G.D S.p.A.
MATSUURA, Nobuaki	(33) United States of America	(72) FEDERICI, Luca
KUWABARA, Kei	(47) 10.04.2024	CASAGRANDE, Alberto
(74) ir. A. Blokland c.s.	(51) G01J 3/02	MORELLI, Sergio
(31) 2019041198	G01J 1/02	(74) dr. R.C. van Duijvenbode c.s.
(32) 07.03.2019	G01J 1/42	(31) UA20164582
(33) Japan	G01J 3/50	UA20164585
(47) 10.04.2024	H04L 69/08	(32) 22.06.2016
(51) G01F 1/66	(11) EP3217156	22.06.2016
G01F 1/667	(21) EP16817131.2	(33) Italy
(11) EP3974783	(22) 14.06.2016	Italy
(21) EP21198869.6	(54) AMBIENT LIGHT ACQUISITION AND ANALYSIS METHOD AND ACQUISITION AND ANALYSIS DEVICE THEREOF	(47) 03.04.2024
(22) 24.09.2021	(73) Oppl Lighting Co., Ltd.	(51) G01N 23/00
(54) ULTRASONIC TRANSDUCER, METHOD FOR OPERATING AN ULTRASONIC TRANSDUCER, ULTRASONIC FLOW METER AND METHOD FOR OPERATING AN ULTRASONIC FLOW METER	(72) GONG, Xingzhi	G01N 23/02
(73) Krohne Messtechnik GmbH	LIU, Yalong	G01N 23/04
(72) VOGT, Michael	(74) ir. A. Blokland c.s.	G01T 1/00
(74) ir. W.J.J.M. Kempes	(31) 201520461672 U	G01T 1/29
(31) 102020129196	201510373893	G01V 5/00
102020129191	(32) 30.06.2015	(11) EP3710814
102020125164	30.06.2015	(21) EP18878621.4
102020125163	(33) China	(22) 19.11.2018
	China	(54) COMPUTED TOMOGRAPHY (CT) SECURITY INSPECTION SYSTEM WITH ENHANCED X-RAY SHIELDING
	(47) 13.03.2024	(73) Photo Diagnostic Systems, Inc.
	(51) G01J 3/42	(72) JOHNSON, Olof
	G01N 21/35	GORDON, Bernard, M.
	G01N 21/3504	(74) dr. R.C. van Duijvenbode c.s.
	(11) EP3069114	(31) 201762587798 P
	(21) EP14860462.2	(32) 17.11.2017
	(22) 11.11.2014	
	(54) OPTICAL GAS SENSOR	

(33) United States of America (47) 21.02.2024	(22) 24.05.2018 (54) SYSTEMS AND METHODS FOR METHANE NUMBER GENERATION	(33) United States of America (47) 28.02.2024
(51) G01N 27/416 C12M 1/34 C12Q 1/00 C12Q 1/42 G01N 33/50 G01N 33/487	(73) Mustang Sampling, LLC (72) CLINE, Richard, L. (74) dr. ir. G.J.C. Verdijck c.s. (31) 201815973877 201762524836 P	(51) G01N 33/68 G01N 30/88 (11) EP3662288 (21) EP18759205.0 (22) 01.08.2018
(11) EP3882620 (21) EP21173101.3 (22) 02.11.2016 (54) ELECTROCHEMICAL MEASUREMENT METHOD	(32) 08.05.2018 26.06.2017 (33) United States of America United States of America (47) 14.02.2024	(54) SYSTEMS AND METHODS FOR PERFORMING A REAL-TIME GLYCAN ASSAY OF A SAMPLE (73) Amgen Inc. (72) WU, Chao-Hsiang (74) ir. W.J.J.M. Kempes
(73) Tohoku University Japan Aviation Electronics Industry, Ltd.	(51) G01N 33/487 (11) EP3828540 (21) EP20213588.5 (22) 18.12.2015	(31) 201762539798 P (32) 01.08.2017 (33) United States of America (47) 28.02.2024
(72) INOUE, Kumi KUNIKATA, Ryota SUDA, Atsushi INO, Kosuke MATSUE, Tomokazu HAYASHI, Hiroyuki	(54) INTEGRATING NANOPORE SENSORS WITHIN MICROFLUIDIC CHANNEL ARRAYS USING CONTROLLED BREAKDOWN	(51) G01N 35/00 G01N 35/04 G02B 21/34 G02B 21/36 B25J 15/02 B25J 9/02 B25J 15/00 G01N 21/64
(74) dr. R.C. van Duijvenbode c.s. (31) 2016055283 2015249764 (32) 18.03.2016 22.12.2015	(73) The University of Ottawa (72) TABARD-COSSA, Vincent BEAMISH, Eric TAHVILDARI, Radin GODIN, Michel	(11) EP3625571 (21) EP18884764.4 (22) 30.11.2018 (54) SLIDE RACK GRIPPER APPARATUS (73) Leica Biosystems Imaging, Inc. (72) NEWBERG, Nicholas DJELOSEVIC, Prentash RYBKA, David
(33) Japan Japan (47) 24.04.2024	(74) ir. W.J.J.M. Kempes (31) 201462094669 P (32) 19.12.2014	(33) United States of America (47) 17.04.2024
(51) G01N 30/88 G01N 30/02 G01N 30/34 G01N 33/72 G01N 30/96 G01N 30/06	(54) G01N 33/574 C12Q 1/68 C07K 16/28 G01N 33/50 C12N 5/09 C12N 5/00 A61K 39/00 C07K 16/30	(51) G01R 31/317 G06F 12/14 G06F 9/22 G06F 21/44 G06F 21/60 G06F 21/78 G06F 21/62 G06F 21/71 G11C 7/24 G11C 29/48 G11C 29/54 G11C 29/56 G11C 29/04 G11C 29/44
(11) EP3783359 (21) EP19788856.3 (22) 18.04.2019 (54) HAEMOGLOBIN ANALYSIS METHOD	(11) EP4160212 (21) EP22191296.7 (22) 13.01.2009 (54) MARKERS OF ACUTE MYELOID LEUKEMIA STEM CELLS	(74) ir. W.J.J.M. Kempes (31) 201762593135 P (32) 30.11.2017 (33) United States of America (47) 10.04.2024
(73) Sekisui Medical Co., Ltd. (72) TAIRA, Hiroaki MATSUDA, Kohei YOTANI, Takuya SUNAMURA, Ei-ichiro	(73) The Board of Trustees of the Leland Stanford Junior University (72) WEISSMAN, Irving, L MAJETI, Ravindra	(51) G01R 31/317 G06F 12/14 G06F 9/22 G06F 21/44 G06F 21/60 G06F 21/78 G06F 21/62 G06F 21/71 G11C 7/24 G11C 29/48 G11C 29/54 G11C 29/56 G11C 29/04 G11C 29/44
(74) J.M.H. Duyver lic. (31) 2018079937 (32) 18.04.2018 (33) Japan (47) 27.03.2024	(74) dr. R.C. van Duijvenbode c.s. (31) 11324 P (32) 15.01.2008 (33) United States of America (47) 17.04.2024	(11) EP3781957 (21) EP19789107.0 (22) 16.04.2019 (54) METHODS FOR RESTRICTING READ ACCESS TO SUPPLY CHIPS (73) Lexmark International, Inc. (72) WILLIAMS, Jennifer, Topmiller BUSH, Stephen, Porter (74) dr. W.A.H.M. Van Borm (31) 201916384580 201916384564 201862658552 P
(51) G01N 33/18 G01N 1/38 (11) EP3913365 (21) EP21178487.1 (22) 31.10.2016 (54) SAMPLE DILUTION	(51) G01N 33/68 G01N 1/34 (11) EP3662287 (21) EP18759204.3 (22) 01.08.2018 (54) SYSTEMS AND METHODS FOR REAL TIME PREPARATION OF A POLYPEPTIDE SAMPLE FOR ANALYSIS WITH MASS SPECTROMETRY	(32) 15.04.2019 15.04.2019 16.04.2018 (33) United States of America
(73) Process Insights AG (72) ARTS, Werner ARTS, Olivia GLITTENBERG, Martin	(73) Amgen Inc. (72) WU, Chao-Hsiang (74) ir. W.J.J.M. Kempes (31) 201762539803 P (32) 01.08.2017	(32) 15.04.2019 15.04.2019 16.04.2018 (33) United States of America
(74) dr. R.C. van Duijvenbode c.s. (31) 102015118586 (32) 30.10.2015 (33) Germany (47) 14.02.2024		
(51) G01N 33/22 C10L 3/10 (11) EP3645831 (21) EP18824268.9		

United States of America	(54) SYSTEM AND METHOD FOR MAPPING	(22) 28.09.2018
United States of America	HYDROCARBON SOURCE ROCK	(54) GLASS STRUCTURE
(47) 20.03.2024	USING SEISMIC ATTRIBUTES	(73) Sekisui Chemical Co., Ltd.
(51) G01R 33/563	(73) Chevron U.S.A. Inc.	(72) YOSHIDA, Shougo
G01R 33/56	(72) CHEN, Mingya	SHOUHI, Hajime
G01R 33/46	LIN, Fang	(74) J.M.H. Duyver lic.
A61B 5/055	SKELT, Christopher H.	(31) 2017222819
(11) EP2438454	(74) dr. R.C. van Duijvenbode c.s.	2017192251
(21) EP10778010.8	(31) 201962801990 P	(32) 20.11.2017
(22) 22.04.2010	201862666143 P	29.09.2017
(54) METHOD FOR MRI OR NMR	(32) 06.02.2019	(33) Japan
SPECTROSCOPY TO OBTAIN AN	03.05.2018	Japan
APPARENT EXCHANGE RATE	(33) United States of America	(47) 03.04.2024
BETWEEN COMPARTMENTS	United States of America	(51) G02B 27/01
(73) Random Walk Imaging AB	(47) 17.04.2024	G02B 26/10
(72) TOPGAARD, Daniel	(51) G01V 1/28	G02B 27/18
(74) dr. R.C. van Duijvenbode c.s.	G01V 1/30	G02B 27/02
(31) 0950363	(11) EP3788412	G02B 6/42
180752 P	(21) EP19730927.1	G02B 26/08
(32) 22.05.2009	(22) 02.05.2019	(11) EP3857293
22.05.2009	(54) SYSTEM AND METHOD FOR MAPPING	(21) EP19865291.9
(33) Sweden	HYDROCARBON SOURCE ROCK	(22) 27.09.2019
United States of America	USING SEISMIC ATTRIBUTES	(54) PROJECTION SYSTEM WITH
(47) 14.02.2024	(73) Chevron U.S.A. Inc.	COLLIMATING SCANNING MIRROR
(51) G01V 1/00	(72) CHEN, Mingya	(73) Magic Leap, Inc.
G01V 1/38	LIN, Fang	(72) MELVILLE, Charles David
G01V 1/28	SKELT, Christopher H.	WATSON, Mathew D.
(11) EP3117244	(74) dr. R.C. van Duijvenbode c.s.	SCHOWENGERDT, Brian T.
(21) EP15720128.6	(31) 201962801990 P	(74) ir. W.J.J.M. Kempes
(22) 13.03.2015	201862666143 P	(31) 201862738722 P
(54) SPATIAL SAMPLING IMPROVEMENTS	(32) 06.02.2019	(32) 28.09.2018
AND THE FORMATION OF	03.05.2018	(33) United States of America
ARRAYS USING POPCORN	(33) United States of America	(47) 17.04.2024
AND SIMULTANEOUS SOURCE	United States of America	(51) G03F 7/00
ACQUISITION	(47) 17.04.2024	B82Y 10/00
(73) BP Corporation North America Inc.	(51) G02B 5/20	B82Y 20/00
(72) ROSS, Allan	G02F 1/13357	B82Y 40/00
ABMA, Raymond Lee	G02F 1/1335	(11) EP3548424
(74) ir. F.A. Geurts c.s.	H10K 50/842	(21) EP17877037.6
(31) 201461953138 P	H10K 50/854	(22) 14.09.2017
(32) 14.03.2014	H10K 59/38	(54) CONFIGURING OPTICAL LAYERS IN
(33) United States of America	H10K 50/856	IMPRINT LITHOGRAPHY PROCESSES
(47) 01.05.2024	(11) EP3901674	(73) Molecular Imprints, Inc.
(51) G01V 1/22	(21) EP21169243.9	(72) SINGH, Vikramjit
G01V 1/28	(22) 19.04.2021	MILLER, Michael Nevin
G01V 1/36	(54) COLOR CONVERSION PANEL AND	XU, Frank Y.
(11) EP2737341	DISPLAY DEVICE INCLUDING THE	(31) 201662429214 P
(21) EP12740439.0	SAME	(32) 02.12.2016
(22) 12.07.2012	(73) Samsung Display Co., Ltd.	(33) United States of America
(54) FIELD CORRELATION FOR REAL-TIME	(72) KIM, Hyo Joon	(47) 06.03.2024
PASSIVE SEISMIC SURVEILLANCE	LEE, Hye Seung	(51) G03G 21/18
(73) BP Corporation North America Inc.	PARK, Ki Soo	G03G 21/16
BP Norge AS	YOON, Seon-Tae	(11) EP3944025
(72) ETGEN, John	KWON, Jung Hyun	(21) EP20774634.8
DELLINGER, Joseph, Anthony	RYU, Yun Ha	(22) 17.03.2020
BARKVED, Olav, Inge	(74) ir. H.A. Witmans c.s.	(54) ELECTROPHOTOGRAPHIC IMAGE
(74) ir. F.A. Geurts c.s.	(31) 20200047558	FORMING DEVICE AND CARTRIDGE
(31) 201161512713 P	(32) 20.04.2020	(73) CANON KABUSHIKI KAISHA
(32) 28.07.2011	(33) Korea (Republic)	(72) KAWANAMI, Takeo
(33) United States of America	(47) 10.04.2024	NISHIDA, Shinichi
(47) 24.04.2024	(51) G02B 5/22	EGAMI, Yasuyuki
(51) G01V 1/28	E06B 9/24	FUKUI, Yuichi
G01V 1/30	G02F 1/13	TOBA, Shinjiro
(11) EP3788411	G02F 1/1334	(74) J.M.H. Duyver lic.
(21) EP19730926.3	G02F 1/1335	(31) 2019050357
(22) 02.05.2019	G02F 1/15	2019050356
	(11) EP3690503	(32) 18.03.2019
	(21) EP18861308.7	18.03.2019

(33) Japan Japan	(72) CHANG, Chia-Ming CHEN, Cheng-Lung	(51) G06F 3/044 G06F 3/041 H04R 1/10
(47) 06.03.2024	(74) ir. A.R. Aalbers	(11) EP3935479 (21) EP19712087.6 (22) 05.03.2019
(51) G05D 1/02 A01K 1/01	(31) 202110748402 (32) 30.06.2021	(54) TOUCH-SENSITIVE BRAIDED CORD (73) Google LLC
(11) EP4141604 (21) EP22182348.7 (22) 11.02.2019	(33) China (47) 28.02.2024	(72) HARADA, Shozo POUPYREV, Ivan FUKUHARA, Shiho SATO, Munehiko
(54) METHOD AND ARRANGEMENT FOR MANURE HANDLING	(51) G06F 3/01 A63F 13/211	(74) dr. R.C. van Duijvenbode c.s. (47) 28.02.2024
(73) DeLaval Holding AB (72) MALECKI, Marcin PROKOWSKI, Mateusz HOFMAN, Piotr FURDAK, Józef JAKLIK, Bartłomiej	(11) EP3547081 (21) EP19157556.2 (22) 15.02.2019 (54) DATA PROCESSING (73) Sony Interactive Entertainment Inc. (72) RAGHOEBARDAJAL, Sharwin Winesh (74) ir. W.J.J.M. Kempes	(51) G06F 3/0481 G06F 3/14
(74) ir. W.J.J.M. Kempes (31) 1850152 (32) 13.02.2018 (33) Sweden (47) 03.04.2024	(31) 201805005 (32) 28.03.2018 (33) United Kingdom (47) 03.04.2024	(11) EP3654160 (21) EP19192129.5 (22) 03.01.2012 (54) VIEW LOCKING MULTI-MONITOR SCREEN MAGNIFIER
(51) G06F 1/16 C09J 7/00	(51) G06F 3/03 G06F 3/033 H04Q 9/00	(73) Freedom Scientific, Inc. (72) VOORHEES, Gerald Lee GORDON, Glen DAMERY, Eric SIMKOVITZ, Daniel
(11) EP3690601 (21) EP20154775.9 (22) 31.01.2020	G06F 3/0485 G08C 17/00 H04N 5/44 H04N 5/445 H04N 21/422 H04N 21/482 G06F 3/0346 G06F 3/0354	(74) ir. W.J.J.M. Kempes (31) 201161429303 P (32) 03.01.2011 (33) United States of America (47) 10.04.2024
(54) FLEXIBLE DISPLAY DEVICE (73) Samsung Display Co., Ltd. (72) Kim, Kyu Young Jung, Seung-Ho Ha, Seung Hwa	(11) EP3333677 (21) EP17192131.5 (22) 21.11.2011 (54) METHOD FOR GENERATING EITHER A SCROLL COMMAND OR AN UP- DOWN-LEFT-RIGHT COMMAND AND THREE DIMENSIONAL POINTING DEVICE	(51) G06F 3/0487 G06F 1/16 G04C 3/00 G04G 17/04 G06F 1/3215 G06F 1/3287
(74) dr. R.C. van Duijvenbode c.s. (31) 20190013738 (32) 01.02.2019 (33) Korea (Republic) (47) 20.03.2024	(73) DRNC Holdings, Inc. (72) TANEN, Joseph SIMPKINS, Daniel S. (74) ir. F.A. Geurts c.s. (31) 201061427562 P 416025 P (32) 28.12.2010 22.11.2010 (33) United States of America United States of America (47) 14.02.2024	(11) EP4113266 (21) EP21760783.7 (22) 20.02.2021 (54) ELECTRONIC DEVICE AND CONTROL METHOD (73) Vivo Mobile Communication Co., Ltd. (72) GUO, Yuanming (74) J.M.H. Duyver lic. (31) 202010125240 (32) 27.02.2020 (33) China (47) 27.03.2024
(51) G06F 1/16 G06F 3/04845 H04N 23/61 H04N 23/63 H04N 23/62 H04N 23/60 H04N 23/69 H04N 23/80 G06F 3/04847	(31) 201061427562 P 416025 P (32) 28.12.2010 22.11.2010 (33) United States of America United States of America (47) 14.02.2024	(51) G06F 3/0488 G06F 3/04886 G06F 3/04817 G06V 40/12 G06F 9/445 G06F 3/0482 G06F 3/0481 G06F 3/0354 G06F 21/32
(11) EP4020967 (21) EP20914044.1 (22) 28.10.2020	(31) 201061427562 P 416025 P (32) 28.12.2010 22.11.2010 (33) United States of America United States of America (47) 14.02.2024	(11) EP4113266 (21) EP21760783.7 (22) 20.02.2021 (54) ELECTRONIC DEVICE AND CONTROL METHOD (73) Vivo Mobile Communication Co., Ltd. (72) GUO, Yuanming (74) J.M.H. Duyver lic. (31) 202010125240 (32) 27.02.2020 (33) China (47) 27.03.2024
(54) PHOTOGRAPHIC METHOD IN LONG FOCAL LENGTH SCENARIO, AND MOBILE TERMINAL	(51) G06F 3/0354 G06F 1/16 G06F 3/023	(51) G06F 3/0488 G06F 3/04817 G06V 40/12 G06F 9/445 G06F 3/0482 G06F 3/0481 G06F 3/0354 G06F 21/32
(73) Honor Device Co., Ltd. (72) LI, Guangyuan AO, Huanhuan LIU, Yuanwen	(11) EP4116804 (21) EP22731978.7 (22) 09.02.2022 (54) STYLUS PEN AND ELECTRONIC DEVICE ASSEMBLY COMPRISING THE STYLUS PEN	(11) EP3796148 (21) EP20181690.7 (22) 13.10.2015 (54) OPERATION METHOD WITH FINGERPRINT RECOGNITION, APPARATUS, AND MOBILE TERMINAL OPERATION METHOD WITH FINGERPRINT RECOGNITION, APPARATUS, AND MOBILE TERMINAL
(74) ir. W.J.J.M. Kempes (31) 202010038444 (32) 14.01.2020 (33) China (47) 10.04.2024	(73) Honor Device Co., Ltd. (72) ZHAO, Yong PENG, Yongfeng MOU, Xin (74) ir. W.J.J.M. Kempes	(11) EP3796148 (21) EP20181690.7 (22) 13.10.2015 (54) OPERATION METHOD WITH FINGERPRINT RECOGNITION, APPARATUS, AND MOBILE TERMINAL
(51) G06F 1/20 (11) EP4113247 (21) EP21206725.0 (22) 05.11.2021	(31) 202110566502 (32) 24.05.2021 (33) China (47) 17.04.2024	(11) EP3796148 (21) EP20181690.7 (22) 13.10.2015 (54) OPERATION METHOD WITH FINGERPRINT RECOGNITION, APPARATUS, AND MOBILE TERMINAL
(54) HEAT DISSIPATION STRUCTURE ASSEMBLY (73) Micro-Star Int'l Co., Limited MSI Electronic (Kun Shan) Co., Ltd.	(31) 202110566502 (32) 24.05.2021 (33) China (47) 17.04.2024	(11) EP3796148 (21) EP20181690.7 (22) 13.10.2015 (54) OPERATION METHOD WITH FINGERPRINT RECOGNITION, APPARATUS, AND MOBILE TERMINAL (73) Godo Kaisha IP Bridge 1

(72) Wang, Hongjun CHEN, Jianjun RUSEK, Fredrik	(32) 27.09.2018 (33) United States of America (47) 27.03.2024	(32) 05.12.2018 (33) Germany (47) 06.03.2024
(74) ir. W.J.J.M. Kempes (47) 14.02.2024	(51) G06F 9/445 A63F 13/20 G06K 17/00 G06K 19/00	(51) G06K 19/077 G06K 7/00 (11) EP3926518 (21) EP21175932.9 (22) 26.05.2021 (54) INTERFERENCE SUPPRESSION APPARATUS AND INTERFERENCE SUPPRESSION SYSTEM (73) DENSO WAVE INCORPORATED (72) ENOMOTO, Kohei MASUDA, Yusuke MUTO, Eiji (74) dr. R.C. van Duijvenbode c.s. (31) 2020103618 (32) 16.06.2020 (33) Japan (47) 10.04.2024
(51) G06F 8/38 G06F 8/34 G06F 9/451 (11) EP3955108 (21) EP20199165.0 (22) 30.09.2020 (54) GRAPHICAL ELEMENT DETECTION USING A COMBINATION OF USER INTERFACE DESCRIPTOR ATTRIBUTES FROM TWO OR MORE GRAPHICAL ELEMENT DETECTION TECHNIQUES (73) UiPath, Inc. (72) DINES, Daniel (74) ir. W.J.J.M. Kempes (31) 202016990709 PCT/US2020/051880 (32) 11.08.2020 21.09.2020 (33) United States of America World Intellectual Property Office (WIPO) (47) 21.02.2024	(11) EP3591520 (21) EP17899007.3 (22) 28.02.2017 (54) INFORMATION PROCESSING DEVICE AND SOFTWARE PROCESSING METHOD (73) Sony Interactive Entertainment Inc. (72) UMEKI, Tsubasa TAKEDA, Shuichi KOTSUGAI, Yoshinori HIRAMARU, Yasuyuki (74) ir. W.J.J.M. Kempes (47) 27.03.2024	(51) G06K 19/077 G06K 7/00 (11) EP3926518 (21) EP21175932.9 (22) 26.05.2021 (54) INTERFERENCE SUPPRESSION APPARATUS AND INTERFERENCE SUPPRESSION SYSTEM (73) DENSO WAVE INCORPORATED (72) ENOMOTO, Kohei MASUDA, Yusuke MUTO, Eiji (74) dr. R.C. van Duijvenbode c.s. (31) 2020103618 (32) 16.06.2020 (33) Japan (47) 10.04.2024
(31) 202016990709 PCT/US2020/051880 (32) 11.08.2020 21.09.2020 (33) United States of America World Intellectual Property Office (WIPO) (47) 21.02.2024	(51) G06F 9/50 (11) EP2930618 (21) EP15163269.2 (22) 10.04.2015 (54) SYSTEM AND METHOD FOR LOAD BALANCING COMPUTE RESOURCES (73) Maxeler Technologies Ltd. (72) Pell, Oliver (74) ir. W.J.J.M. Kempes (31) 201414251379 (32) 11.04.2014 (33) United States of America (47) 01.05.2024	(51) G06K 19/077 G06K 19/07 H01Q 1/24 H01Q 1/22 H01Q 7/00 H01Q 1/52 (11) EP3131037 (21) EP16188797.1 (22) 26.06.2013 (54) TRANSMITTING MAGNETIC FIELD THROUGH METAL CHASSIS USING FRACTAL SURFACES (73) Intel Corporation (72) YANG, Songnang KONANUR, Anand KARACAOGLU, Ulun (74) ir. W.J.J.M. Kempes (31) 201213678926 201261667518 P (32) 16.11.2012 03.07.2012 (33) United States of America United States of America (47) 20.03.2024
(51) G06F 8/41 G06N 3/045 G06N 3/10 G06N 5/01 G06N 3/082 G06N 3/044 (11) EP3918472 (21) EP19913566.6 (22) 28.01.2019 (54) TECHNIQUES TO DETECT FUSIBLE OPERATORS WITH MACHINE LEARNING (73) INTEL Corporation (72) MA, Hongpeng ZHOU, Huan, H. HU, Xiao YU, Xiaokun LIU, Yanan LU, Zijie YAO, Weifeng (74) ir. W.J.J.M. Kempes (47) 27.03.2024	(51) G06F 21/56 G06F 21/62 H04L 9/40 G06F 11/14 (11) EP3465529 (21) EP17807230.2 (22) 19.05.2017 (54) APPARATUS AND METHOD FOR LOCKING AND UNLOCKING REMOVABLE MEDIA FOR USE INSIDE AND OUTSIDE PROTECTED SYSTEMS (73) Honeywell International Inc. (72) KNAPP, Eric D. BOICE, Eric T. (74) ir. W.J.J.M. Kempes (31) 201715469767 201662345731 P (32) 27.03.2017 03.06.2016 (33) United States of America United States of America (47) 24.04.2024	(51) G06K 19/077 G06K 7/00 (11) EP3926518 (21) EP21175932.9 (22) 26.05.2021 (54) INTERFERENCE SUPPRESSION APPARATUS AND INTERFERENCE SUPPRESSION SYSTEM (73) DENSO WAVE INCORPORATED (72) ENOMOTO, Kohei MASUDA, Yusuke MUTO, Eiji (74) dr. R.C. van Duijvenbode c.s. (31) 2020103618 (32) 16.06.2020 (33) Japan (47) 10.04.2024
(51) G06F 9/30 (11) EP3629154 (21) EP19182737.7 (22) 26.06.2019 (54) SYSTEMS FOR PERFORMING INSTRUCTIONS TO QUICKLY CONVERT AND USE TILES AS 1D VECTORS (73) Intel Corporation (72) TOLL, Bret VALENTINE, Robert HUGHES, Christopher J. HEINECKE, Alexander F. SADE, Raanan BAUM, Dan CHARNEY, Mark J. OULD-AHMED-VALL, Elmoustapha (74) ir. W.J.J.M. Kempes (31) 201816145066	(51) G06F 21/64 H04L 9/32 (11) EP3891642 (21) EP19813311.8 (22) 29.11.2019 (54) METHOD FOR ENSURING THE TRUSTWORTHINESS OF SOURCE CODES (73) Unicon universal identity control GmbH (72) JÄGER, Hubert FIETZ, Jaro (74) ir. W.J.J.M. Kempes (31) 102018131084	(51) G06N 3/063 G06N 3/0464 (11) EP3539059 (21) EP17761170.4 (22) 23.08.2017 (54) PERFORMING KERNEL STRIDING IN HARDWARE (73) Google LLC (72) GULLAND, William John YOUNG, Reginald Clifford (74) ir. H.Th. van den Heuvel c.s. (31) 201715467382 201615348199 (32) 23.03.2017 10.11.2016 (33) United States of America United States of America (47) 28.02.2024
(51) G06Q 30/0601 G06Q 30/0282 (11) EP3533022 (21) EP16795203.5 (22) 31.10.2016		

(54) SYSTEMS AND METHODS FOR FLEXIBLY USING TRENDING TOPICS AS PARAMETERS FOR RECOMMENDING MEDIA ASSETS THAT ARE RELATED TO A VIEWED MEDIA ASSET	RAMANI, Sathish FU, Lin (74) ir. W.J.J.M. Kempes (31) 201816056111 (32) 06.08.2018 (33) United States of America (47) 03.04.2024	LIN, Chih-Kuang TIWARI, Ankit (74) J.M.H. Duyver lic. (31) 201862752855 P (32) 30.10.2018 (33) United States of America (47) 14.02.2024
(73) Rovi Guides, Inc.		
(72) AGARWAL, Vineet VENKATARAMAN, Sashikumar	(51) G06T 11/40 B33Y 50/00 G06T 19/00 B29C 64/386	(51) G09G 3/3225 G09G 3/20 (11) EP4080498 (21) EP21874314.4 (22) 22.09.2021
(74) ir. W.J.J.M. Kempes (47) 27.03.2024	(11) EP3599587 (21) EP19169944.6 (22) 17.04.2019 (54) A PARALLEL METHOD OF FLOOD FILLING, AND APPARATUS	(54) DISPLAY APPARATUS, DRIVING CHIP, AND ELECTRONIC DEVICE (73) Honor Device Co., Ltd. (72) LI, Ruiliang CHEN, Pengming DENG, Jiandong ZHANG, Feng LI, Muyao LIANG, Jide
(51) G06Q 50/10 G01C 21/36 G06F 3/0485 G06T 3/00 G09B 29/00 G06F 3/0481 G06F 3/0484 G01C 21/20 G06F 3/04815 G06F 3/04847	(73) Sony Interactive Entertainment Inc. (72) WITHEY, Robert Keith John BIGOS, Andrew James (74) ir. W.J.J.M. Kempes (31) 201812271 (32) 27.07.2018 (33) United Kingdom (47) 03.04.2024	(74) ir. W.J.J.M. Kempes (31) 202011066272 (32) 30.09.2020 (33) China (47) 03.04.2024
(11) EP3996029 (21) EP21209114.4 (22) 10.04.2012 (54) INTEGRATING MAPS AND STREET VIEWS	(51) G08B 3/10 G08B 13/196 H04M 11/02	(51) G10L 15/30 G10L 15/32 G10L 15/08 G10L 15/22 G06F 3/16 (11) EP3663906 (21) EP18842220.8 (22) 02.02.2018 (54) INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD
(73) Google LLC	(11) EP3460770 (21) EP18172420.4 (22) 15.05.2018 (54) SYSTEMS AND METHODS OF PRESENTING APPROPRIATE ACTIONS FOR RESPONDING TO A VISITOR TO A SMART HOME ENVIRONMENT	(73) Panasonic Intellectual Property Management Co., Ltd. (72) OGAWA Tomoki MORI Yoshihiro KOZUKA Masayuki
(72) KATRAGADDA, Lalitesh Kumar DE, Arijit UNNIKRISHNAN, Sreejit KOMARAGIRI, Vihari	(73) Google LLC (72) JEONG, Hae Rim MYSORE, Sahana LIEN, Yu-An YANG, Seunggho BURNS, Christopher Charles STEWART, James Edward ARAVAMUDHAN, Rengarajan BOYD, Jeffrey NONGPIUR, Rajeev DIXON, Michael SHAFI, Sayed Yusef GOULDEN, Jason Evans	(74) ir. W.J.J.M. Kempes (31) 201762540415 P (32) 02.08.2017 (33) United States of America (47) 03.04.2024
(74) dr. R.C. van Duijvenbode c.s. (31) 1287CH2011 (32) 12.04.2011 (33) India (47) 10.04.2024	(74) dr. R.C. van Duijvenbode c.s. (31) 201715809900 201762561132 P (32) 10.11.2017 20.09.2017 (33) United States of America United States of America (47) 27.03.2024	(51) G11C 5/02 G11C 5/04 G11C 5/06 H01L 25/18 (11) EP4020472 (21) EP21198388.7 (22) 22.09.2021 (54) IMPROVED MEMORY MODULE THAT CONSERVES MOTHERBOARD WIRING SPACE
(51) G06T 7/246 G06V 40/16 (11) EP3975047 (21) EP20822459.2 (22) 09.06.2020 (54) METHOD FOR DETERMINING VALIDNESS OF FACIAL FEATURE, AND ELECTRONIC DEVICE	(51) G08B 13/196 G08B 25/00 (11) EP3874481 (21) EP19791132.4 (22) 04.10.2019 (54) PERFORMANCE-GUARANTEED CHANNEL ACCESS CONTROL FOR SECURITY ALARM AND IMAGE SENSORS	(73) Intel Corporation (72) VERGIS, George GANGULY, Konika LI, Xiang (74) ir. W.J.J.M. Kempes (31) 202017132504 (32) 23.12.2020 (33) United States of America (47) 03.04.2024
(73) Honor Device Co., Ltd.		
(72) DING, Xin JIANG, Yongtao QIN, Lei CHEN, Tianluo ZHOU, Heng	(73) Carrier Corporation (72) RAMOUTAR, Michael CAMPANA, Daniele	(51) G16B 35/10 G16B 15/00
(74) ir. W.J.J.M. Kempes (31) 201910502644 (32) 11.06.2019 (33) China (47) 10.04.2024		
(51) G06T 11/00 (11) EP3608877 (21) EP19188957.5 (22) 29.07.2019 (54) ITERATIVE IMAGE RECONSTRUCTION FRAMEWORK		
(73) Rensselaer Polytechnic Institute General Electric Company		
(72) WANG, Ge HSIEH, Jiang TANG, Jie PACK, Jed Douglas DE MAN, Bruno Kristiaan Bernard		

- G16B 5/00
 (11) EP2951579
 (21) EP14746406.9
 (22) 29.01.2014
 (54) METHODS, SYSTEMS, AND SOFTWARE FOR IDENTIFYING BIO-MOLECULES USING MODELS OF MULTIPLICATIVE FORM
 (73) Codexis, Inc.
 (72) COPE, Gregory Allan
 AGARD, Nicholas John
 (74) dr. R.C. van Duijvenbode c.s.
 (31) 201361799377 P
 201361759276 P
 (32) 15.03.2013
 31.01.2013
 (33) United States of America
 United States of America
 (47) 24.04.2024
 (51) G16H 40/63
 G16H 40/67
 A61N 1/36
 A61N 1/372
 (11) EP3685398
 (21) EP18786838.5
 (22) 21.09.2018
 (54) TELEMETRIC COMMUNICATION SYSTEM FOR AN IMPLANTABLE MEDICAL DEVICE
 (73) Uromems
 (72) MARIEN, Marc
 LAVALLEE, Stéphane
 LAMRAOUI, Hamid
 (74) ir. F.A. Geurts c.s.
 (31) 1758771
 (32) 22.09.2017
 (33) France
 (47) 27.03.2024
 (51) G21F 1/08
 G21F 1/12
 G21B 1/11
 G21B 1/05
 H01F 6/06
 (11) EP4078623
 (21) EP20830141.6
 (22) 15.12.2020
 (54) LAYERED NEUTRON SHIELDING
 (73) Tokamak Energy Ltd
 (72) DAVIS, Thomas
 MIDDLEBURGH, Simon
 ASTBURY, Jack
 (74) ir. H.A. Witmans c.s.
 (31) 202015029
 201919059
 (32) 23.09.2020
 20.12.2019
 (33) United Kingdom
 United Kingdom
 (47) 07.02.2024
 (51) H01B 11/18
 H01B 11/10
 (11) EP3582236
 (21) EP18751882.4
 (22) 06.02.2018
 (54) COAXIAL CABLE
 (73) Junkosha Inc.
 (72) ADACHI, Tomohiro
 FURUHASHI, Fumiyuki
 HIRAOKA, Daiki
 (74) dr. R.C. van Duijvenbode c.s.
 (31) 2017023662
 (32) 10.02.2017
 (33) Japan
 (47) 03.04.2024
 (51) H01H 3/02
 H01H 9/16
 H01H 13/12
 H01H 13/14
 (11) EP3912178
 (21) EP20700582.8
 (22) 13.01.2020
 (54) PUSH-BUTTON ARRANGEMENT WITH IDENTIFICATION OF A SWITCHING STATE
 (73) Eaton Intelligent Power Limited
 (72) BRUCHSCHMIDT, Frank
 RIES, Petra
 (74) dr. W.A.H.M. Van Borm
 (31) 102019101267
 (32) 18.01.2019
 (33) Germany
 (47) 28.02.2024
 (51) H01H 13/04
 H01H 13/14
 H04M 1/23
 H05K 5/02
 G06F 1/16
 (11) EP4044207
 (21) EP20891839.1
 (22) 29.10.2020
 (54) ELECTRONIC DEVICE
 (73) Honor Device Co., Ltd.
 (72) YAO, Wenxing
 WANG, Yuan
 WANG, Xuyang
 (74) ir. W.J.J.M. Kempes
 (31) 201911172810
 (32) 26.11.2019
 (33) China
 (47) 10.04.2024
 (51) H01H 23/20
 H01H 23/24
 (11) EP3939062
 (21) EP20720019.7
 (22) 16.04.2020
 (54) ELECTRICAL INSTALLATION DEVICE
 (73) Schneider Electric Industries SAS
 (72) LISCHKE, Artur
 GIEREND-BECK, Christian
 BRESLAWSKI, Dirk
 ANSORGE, Rainer
 (74) dr. R.C. van Duijvenbode c.s.
 (31) 102019110845
 (32) 26.04.2019
 (33) Germany
 (47) 07.02.2024
 (51) H01L 21/683
 H01L 21/02
 H01L 21/67
 H01L 21/687
 (11) EP3507827
 (21) EP17862450.8
 (22) 18.10.2017
 (54) METHODS AND SYSTEMS FOR CHUCKING A WARPED WAFER
 (73) Kla-Tencor Corporation
 (72) MERIAM, Teck
 BALAN, Aviv
 CHEN, Chia-Chu Galen
 CHANDAN, Savita
 HUANG, Luping
 (74) ir. W.J.J.M. Kempes
 (31) 201615383207
 201662409880 P
 (32) 19.12.2016
 19.10.2016
 (33) United States of America
 United States of America
 (47) 17.04.2024
 (51) H01L 23/00
 H01L 23/26
 B01J 20/18
 B01J 20/26
 B01J 20/28
 (11) EP4214747
 (21) EP22821537.2
 (22) 24.11.2022
 (54) GETTER COMPOSITION AND DISPENSABLE PASTE COMPRISING SAID GETTER COMPOSITION
 (73) Saes Getters S.p.A.
 (72) ZILIO, Stefano
 ZAFARANA, Giovanni
 MACCHI, Giorgio
 VACCA, Paolo
 NUZZO, Anna
 (74) ir. W.J.J.M. Kempes
 (31) 202100030299
 (32) 30.11.2021
 (33) Italy
 (47) 03.04.2024
 (51) H01L 27/12
 H10K 50/844
 H10K 59/122
 H10K 59/131
 H10K 59/173
 H10K 59/179
 (11) EP3579278
 (21) EP19175774.9
 (22) 21.05.2019
 (54) DISPLAY APPARATUS
 (73) Samsung Display Co., Ltd.
 (72) Kim, Yangwan
 Kim, Kiwook
 Byun, Minwoo
 Na, Jisu
 Kim, Kwangmin
 (74) ir. H.A. Witmans c.s.
 (31) 20180062902
 (32) 31.05.2018
 (33) Korea (Republic)
 (47) 03.04.2024
 (51) H01L 33/00
 H01L 33/38
 H01L 33/44
 (11) EP3740974
 (21) EP19706731.7
 (22) 17.01.2019
 (54) OPTOELECTRONIC DEVICE COMPRISING A GRID AND A CATHODE COUPLED TO EACH OTHER
 (73) Commissariat à l'énergie atomique et aux énergies alternatives
 THALES

(72) ROBIN, Ivan-Christophe BONO, Hubert	H01M 4/76	H01M 50/569
(74) ir. F.A. Geurts c.s.	(11) EP3916861	H01M 10/0585
(31) 1850444	(21) EP20877779.7	H01M 10/44
(32) 19.01.2018	(22) 11.08.2020	H01M 50/105
(33) France	(54) BATTERY CURRENT COLLECTOR COMPRISING METAL PLATE HAVING THROUGH HOLES AND POROUS	H01M 50/572
(47) 27.03.2024	REINFORCING MATERIAL THAT FILLS THROUGH HOLES, AND SECONDARY	H01M 4/13
(51) H01M 4/36	BATTERY COMPRISING SAME	(11) EP4016694
H01M 4/04	(73) LG Energy Solution, Ltd.	(21) EP20902293.8
H01M 4/131	(72) LEE, Jung Noh	(22) 10.12.2020
H01M 4/1391	PARK, Jong Pil	(54) BATTERY CELL FOR TESTING INTERNAL SHORT CIRCUIT, AND METHOD FOR TESTING INTERNAL SHORT CIRCUIT OF BATTERY CELL BY USING SAME
H01M 4/62	KO, Yo Han	(73) LG ENERGY SOLUTION, LTD.
B82Y 30/00	(74) dr. R.C. van Duijvenbode c.s.	(72) YANG, Jeong Min
H01M 4/505	(31) 20190127753	LEE, Sol Nip
H01M 4/525	(32) 15.10.2019	(74) dr. R.C. van Duijvenbode c.s.
H01M 10/42	(33) Korea (Republic)	(31) 20190169230
H01M 4/02	(47) 17.04.2024	(32) 17.12.2019
(11) EP3836254	(51) H01M 10/0565	(33) Korea (Republic)
(21) EP20846849.6	H01M 10/052	(47) 10.04.2024
(22) 27.07.2020	H01M 50/446	(51) H01M 10/42
(54) SECONDARY BATTERY CATHODE HAVING IMPROVED THERMAL STABILITY AND MANUFACTURING METHOD THEREFOR	H01M 50/449	H01M 10/48
(73) LG Energy Solution, Ltd.	H01M 50/451	H01M 50/209
(72) LEE, Kwan Soo	H01M 50/46	H01M 50/249
KIM, Hee Jin	(11) EP3703158	H01M 50/284
(74) dr. R.C. van Duijvenbode c.s.	(21) EP19741257.0	(11) EP3934004
(31) 20190091046	(22) 17.01.2019	(21) EP20891945.6
(32) 26.07.2019	(54) SEPARATOR FOR SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY INCLUDING SAME	(22) 12.10.2020
(33) Korea (Republic)	(73) LG Energy Solution, Ltd.	(54) BATTERY MODULE, BATTERY PACK, AND VEHICLE
(47) 17.04.2024	(72) LEE, Chul Haeng	(73) Contemporary Amperex Technology Co., Limited
(51) H01M 4/36	SHIN, Won Kyung	(72) HOU, Yujia
H01M 4/587	LEE, Jae Won	(74) ir. W.J.J.M. Kempes
H01M 4/485	AHN, Kyoung Ho	(31) 201922050479 U
H01M 4/38	(74) dr. ir. F.M. van Bouwelen	(32) 25.11.2019
H01M 4/58	(31) 20180006795	(33) China
H01M 4/62	(32) 18.01.2018	(47) 21.02.2024
H01M 10/058	(33) Korea (Republic)	(51) H01M 10/42
H01M 10/0525	(47) 17.04.2024	H05K 5/03
H01M 4/583	(51) H01M 10/0567	H01M 10/48
H01M 10/052	H01M 10/0525	H01M 50/24
H01M 4/02	H01M 10/052	H01M 50/284
(11) EP3675251	(11) EP3648233	H01M 50/507
(21) EP19748452.0	(21) EP19751925.9	H01M 50/569
(22) 30.01.2019	(22) 12.02.2019	H01M 50/271
(54) NEGATIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, NEGATIVE ELECTRODE INCLUDING THE SAME, AND LITHIUM ION SECONDARY BATTERY INCLUDING THE NEGATIVE ELECTRODE	(54) NON-AQUEOUS ELECTROLYTE SOLUTION FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING THE SAME	(11) EP3761396
(73) LG Energy Solution, Ltd.	(73) LG Energy Solution, Ltd.	(21) EP20759133.0
(72) KIM, Je-Young	(72) LEE, Hyun Yeong	(22) 20.02.2020
LEE, Yong-Ju	LEE, Chul Haeng	(54) BATTERY MODULE INCLUDING PROTECTIVE COVER FOR COVERING FLEXIBLE PRINTED CIRCUIT BOARD
SHIN, Sun-Young	KIM, Hyun Seung	(73) LG Energy Solution, Ltd.
CHOI, Jung-Hyun	YU, Sung Hoon	(72) JU, Jae Hyeon
(74) dr. ir. F.M. van Bouwelen	(74) dr. ir. F.M. van Bouwelen	YOON, Jisu
(31) 20180011650	(31) 20180016782	MIN, Dai Ki
(32) 30.01.2018	(32) 12.02.2018	(74) dr. R.C. van Duijvenbode c.s.
(33) Korea (Republic)	(33) Korea (Republic)	(31) 20190020706
(47) 10.04.2024	(47) 03.04.2024	(32) 21.02.2019
(51) H01M 4/66	(51) H01M 10/42	(33) Korea (Republic)
H01M 4/74	H01M 10/058	(47) 27.03.2024
H01M 10/058	H01M 50/449	(51) H01M 10/54
H01M 10/052	H01M 10/0525	H01M 4/139
H01M 4/70	H01M 10/48	H01M 4/36
	H01M 50/44	H01M 4/62
	H01M 50/451	

H01M 10/052	(51) H01Q 19/00	H02J 3/50
H01M 4/1391	H01Q 1/48	F03D 9/00
H01M 4/505	H01Q 5/385	F03D 7/04
H01M 4/525	H01Q 9/04	(11) EP3200303
(11) EP3709433	H01Q 21/08	(21) EP16153397.1
(21) EP19799542.6	(11) EP3819985	(22) 29.01.2016
(22) 08.05.2019	(21) EP19208147.9	(54) OPERATING A WIND TURBINE OF A
(54) METHOD OF REUSING POSITIVE	(22) 08.11.2019	WIND FARM
ELECTRODE MATERIAL	(54) MICROSTRIP PATCH ANTENNA WITH	(73) Siemens Gamesa Renewable Energy A/
(73) LG Energy Solution, Ltd.	INCREASED BANDWIDTH	S
(72) KIM, In Seong	(73) Carrier Corporation	(72) Egedal, Per
CHOY, Sang Hoon	(72) PATOTSKI, Marat	Eriksen, Anders
LIM, Jun Muk	(74) J.M.H. Duyver lic.	(74) ir. W.J.J.M. Kempes
KIM, Woo Ha	(47) 24.04.2024	(47) 20.03.2024
BAEK, Joo Yul	(51) H01Q 25/00	(51) H02K 5/20
(74) dr. ir. F.M. van Bouwelen	H01Q 13/20	H02K 9/19
(31) 20180054474	H04B 7/145	B63H 21/17
(32) 11.05.2018	(11) EP3958400	B63H 5/125
(33) Korea (Republic)	(21) EP21189314.4	B63J 2/00
(47) 03.04.2024	(22) 03.08.2021	H02K 5/15
(51) H01M 50/30	(54) SYSTEM AND METHOD	H02K 11/30
H01M 50/20	FOR DIFFRACTION OF	(11) EP3809565
H01M 10/658	ELECTROMAGNETIC WAVE	(21) EP20202402.2
H01M 10/659	(73) TMY Technology Inc.	(22) 16.10.2020
H01M 10/627	(72) LIN, Yuan-Chun	(54) DRIVE FOR A BOAT WITH ELECTRIC
H01M 10/613	LIN, Shih-Cheng	MOTOR
H01M 10/6554	CHANG, Chia-Chan	(73) Torqeedo GmbH
H01M 50/50	CHANG, Sheng-Fuh	(72) Biebach, Jens
H01M 50/204	(74) dr. R.C. van Duijvenbode c.s.	Flores, Philip
H01M 50/367	(31) 109128106	Despineux, Frank
H01M 50/383	(32) 18.08.2020	(74) dr. R.C. van Duijvenbode c.s.
H01M 50/211	(33) Taiwan, Chinese Taipei	(31) 102019128105
H01M 50/258	(47) 03.04.2024	(32) 17.10.2019
(11) EP3965220	(51) H01R 29/00	(33) Germany
(21) EP20834689.0	H01R 13/645	(47) 27.03.2024
(22) 23.06.2020	(11) EP3732753	(51) H02M 3/157
(54) BATTERY MODULE, BATTERY RACK	(21) EP17847770.9	(11) EP3759806
COMPRISING SAME, AND POWER	(22) 27.12.2017	(21) EP19702598.4
STORAGE DEVICE	(54) SYSTEM OF MATEABLE	(22) 31.01.2019
(73) LG Energy Solution, Ltd.	CONNECTORS AND RACK MOUNT	(54) A SINGLE MODE LOAD TRACKING
(72) LEE, Yoon-Koo	(73) Drägerwerk AG & Co. KGaA	VOLTAGE MODE CONTROLLER
YOO, Jae-Min	(72) LUND, Peter, Andrew	WITH NEAR MINIMUM DEVIATION
SHIN, Eun-Gyu	(74) ir. W.J.J.M. Kempes	TRANSIENT RESPONSE
CHOI, Yong-Seok	(47) 28.02.2024	(73) Würth Elektronik eiSos GmbH & Co. KG
CHOI, Jee-Soon	(51) H02H 5/04	(72) HAUG, Martin
MUN, Jeong-O	H01L 31/00	RADIC, Aleksandar
(74) dr. R.C. van Duijvenbode c.s.	H02H 7/122	GERFER, Alexander
(31) 20190080195	H02H 7/20	MOIANNOU, Tom
(32) 03.07.2019	(11) EP3291400	SHOUSA, Mahmoud
(33) Korea (Republic)	(21) EP17186631.2	PRODIC, Aleksandar
(47) 24.04.2024	(22) 17.08.2017	(74) ir. J.C. Volmer c.s.
(51) H01Q 1/24	(54) CONDUCTOR TEMPERATURE	(31) 201862636613 P
H01Q 21/06	DETECTORS	(32) 28.02.2018
H01Q 5/42	(73) Solaredge Technologies Ltd.	(33) United States of America
(11) EP3852195	(72) Galin, Yoav	(47) 28.02.2024
(21) EP19860329.2	Adest, Meir	(51) H02M 7/48
(22) 20.08.2019	Gershman, Israel	H02M 5/458
(54) TERMINAL DEVICE ANTENNA	Sella, Guy	(11) EP3937365
(73) VIVO MOBILE COMMUNICATION CO.,	(74) ir. H.A. Witmans c.s.	(21) EP20766464.0
LTD.	(31) 201715669114	(22) 20.02.2020
(72) HUANG, Huanchu	201662376693 P	(54) POWER SUPPLY, CONTROL
JIAN, Xianjing	(32) 04.08.2017	PROGRAM, AND CONTROL METHOD
WANG, Yijin	18.08.2016	(73) Metawater Co., Ltd.
(74) J.M.H. Duyver lic.	(33) United States of America	(72) YAMAMOTO Souichirou
(31) 201811076745	United States of America	YAMAMOTO Kyohei
(32) 14.09.2018	(47) 03.04.2024	TAKAHASHI Kazuya
(33) China	(51) H02J 3/18	YONETANI Yoshitaka
(47) 27.03.2024	H02J 3/38	(74) ir. W.J.J.M. Kempes

(31) 2019040708	H04L 5/00	24.01.2018
(32) 06.03.2019	H04B 7/08	(33) United States of America
(33) Japan	(11) EP4054088	United States of America
(47) 03.04.2024	(21) EP22151934.1	(47) 03.04.2024
(51) H02M 7/483	(22) 16.11.2018	(51) H04L 1/00
H02M 1/00	(54) SIGNAL SENDING AND RECEIVING	G10L 19/005
(11) EP3301803	METHOD, APPARATUS, AND SYSTEM	(11) EP3595211
(21) EP17203127.0	(73) Huawei Technologies Co., Ltd.	(21) EP19163032.6
(22) 25.03.2015	(72) ZHANG, Binbin	(22) 07.01.2014
(54) MULTI-LEVEL INVERTER	QIN, Yi	(54) METHOD FOR PROCESSING LOST
(73) Solaredge Technologies Ltd.	ZHANG, Min	FRAME, AND DECODER
(72) Glovinsky, Tzachi	LI, Zhongfeng	(73) Crystal Clear Codec, LLC
Yoscovich, Ilan	(74) ir. W.J.J.M. Kempes	(72) LIU, Zexin
Galin, Yoav	(31) 201711148344	MIAO, Lei
Sella, Guy	(32) 17.11.2017	WANG, Bin
(74) ir. H.A. Witmans c.s.	(33) China	(74) ir. W.J.J.M. Kempes
(31) 201414485682	(47) 21.02.2024	(31) 201310297740
201461970788 P	(51) H04B 7/08	(32) 16.07.2013
(32) 13.09.2014	H04B 17/00	(33) China
26.03.2014	H01Q 1/24	(47) 21.02.2024
(33) United States of America	H01Q 3/36	(51) H04L 1/16
United States of America	(11) EP3178170	H04L 5/00
(47) 24.04.2024	(21) EP15829764.8	(11) EP4156576
(51) H02P 3/18	(22) 10.08.2015	(21) EP22206897.5
F04D 19/04	(54) APPARATUS AND METHOD FOR	(22) 11.09.2008
H02P 29/028	ADJUSTING RECEIVE BEAM GAIN IN A	(54) METHOD FOR TRANSMITTING UPLINK
H02P 29/032	WIRELESS COMMUNICATION SYSTEM	SIGNALS
(11) EP3681032	(73) Samsung Electronics Co., Ltd.	(73) Optis Cellular Technology, LLC
(21) EP18853402.8	(72) PARK, Jeong-Ho	(72) LEE, Dae Won
(22) 24.08.2018	CHEUN, Kyung-Whoon	YUN, Young Woo
(54) VACUUM PUMP AND MOTOR	YU, Hyun-Kyu	KIM, Hak-Seong
CONTROL DEVICE	JEONG, Cheol	KIM, Bong Hoe
(73) Edwards Japan Limited	JEONG, Su-Ryong	ROH, Dong Wook
(72) SATO, Kou	(74) dr. R.C. van Duijvenbode c.s.	PARK, Hyun Wook
(74) ir. F.A. Geurts c.s.	(31) 20140102093	KIM, Ki Jun
(31) 2017170489	(32) 08.08.2014	(74) ir. H.A. Witmans c.s.
(32) 05.09.2017	(33) Korea (Republic)	(31) 20080068634
(33) Japan	(47) 03.04.2024	98843307 P
(47) 21.02.2024	(51) H04B 10/70	98742707 P
(51) H02P 27/08	H01L 33/02	97224407 P
(11) EP4120559	(11) EP4073959	(32) 15.07.2008
(21) EP21185490.6	(21) EP20825280.9	16.11.2007
(22) 14.07.2021	(22) 11.12.2020	13.11.2007
(54) PWM DRIVING METHOD FOR AN	(54) SPIN-ENTANGLED PHOTON EMISSION	13.09.2007
ELECTRIC MOTOR WITH ZERO-	DEVICE	(33) Korea (Republic)
CROSSING COMPENSATION	(73) Nederlandse Organisatie voor toegepast-	United States of America
(73) ETEL S.A.	natuurwetenschappelijk Onderzoek TNO	United States of America
(72) Gualco, Gabriele	(72) TCHEBOTAREVA, Anna	United States of America
(74) ir. J.C. Volmer c.s.	HARMSMA, Peter Johan	(47) 17.04.2024
(47) 28.02.2024	(74) ir. H.A. Witmans c.s.	(51) H04L 1/18
(51) H02S 40/34	(31) 19215383	(11) EP4128617
H02S 40/32	(32) 11.12.2019	(21) EP21807411.0
H01L 31/0475	(33) European Patent Office (EPO)	(22) 21.10.2021
(11) EP3123609	(47) 07.02.2024	(54) RELIABLE TRANSMISSION OF
(21) EP15769496.9	(51) H04J 3/06	MULTICAST AND BROADCAST
(22) 24.03.2015	(11) EP3744020	SERVICES
(54) HIGH VOLTAGE SOLAR MODULES	(21) EP19703570.2	(73) Ofinno, LLC
(73) Maxeon Solar Pte. Ltd.	(22) 18.01.2019	(72) CHAE, Hyukjin
(72) COUSINS, Peter John	(54) SYSTEMS AND METHODS FOR	XU, Kai
RIM, Seung Bum	PRECISE TIME SYNCHRONIZATION	ZHOU, Hua
GARG, Gopal Krishan	WITH OPTICAL MODULES	DINAN, Esmael Hejazi
(74) ir. H.A. Witmans c.s.	(73) Ciena Corporation	JEON, Hyoungsuk
(31) 201414228646	(72) PERRAS, Daniel, Claude	YI, Yunjung
(32) 28.03.2014	GAREAU, Sebastien	PARK, Jonghyun
(33) United States of America	(74) J.M.H. Duyver lic.	CIRIK, Ali Cagatay
(47) 07.02.2024	(31) 201815902008	(74) dr. W.A.H.M. Van Borm
(51) H04B 7/06	201815878703	(31) 202063094854 P
	(32) 22.02.2018	(32) 21.10.2020

(33) United States of America	(22) 31.10.2016	(54) SOUNDING REFERENCE SIGNAL
(47) 14.02.2024	(54) SCHEDULING METHOD FOR	TRANSMISSION IN A WIRELESS
(51) H04L 1/1825	COMMUNICATION NETWORK	NETWORK
H04L 1/00	SUPPORTING UNLICENSED BAND	(73) HONDA MOTOR CO., LTD.
H04L 27/26	(73) Electronics and Telecommunications	(72) DINAN, Esmael Hejazi
H04L 1/1829	Research Institute	(74) J.M.H. Duyver lic.
(11) EP4117214	(72) YOO, Sung Jin	(31) 201662314676 P
(21) EP22193189.2	JUNG, Hoi Yoon	(32) 29.03.2016
(22) 06.02.2018	PARK, Seung Keun	(33) United States of America
(54) METHOD AND USER EQUIPMENT (UE)	UM, Jung Sun	(47) 27.03.2024
FOR MANAGING HARQ PROCEDURE	(74) ir. H.Th. van den Heuvel c.s.	(51) H04L 5/00
FOR MULTIPLE NUMEROLOGIES	(31) 20160139921	H04W 72/04
(73) Samsung Electronics Co., Ltd.	20150153837	H04W 72/12
(72) AMURU, Saidhiraj	(32) 26.10.2016	(11) EP3857807
RYU, Hyun-Seok	03.11.2015	(21) EP19879028.9
NIGAM, Anshuman	(33) Korea (Republic)	(22) 01.11.2019
(74) dr. R.C. van Duijvenbode c.s.	Korea (Republic)	(54) PDCCH MONITORING METHOD AND
(31) 201741004273	(47) 28.02.2024	ELECTRONIC DEVICE
201741004273	(51) H04L 5/00	(73) Samsung Electronics Co., Ltd.
(32) 05.02.2018	H04L 1/00	(72) QIAN, Chen
06.02.2017	H04B 7/0456	SUN, Feifei
(33) India	H04B 7/06	FU, Jingxing
India	(11) EP3754884	XIONG, Qi
(47) 27.03.2024	(21) EP19754586.6	(74) dr. R.C. van Duijvenbode c.s.
(51) H04L 1/1829	(22) 30.01.2019	(31) 201910104398
H04L 5/00	(54) CHANNEL STATE INFORMATION (CSI)	201811296404
H04W 52/32	REPORT SENDING AND RECEIVING	(32) 01.02.2019
H04W 72/04	METHODS, DEVICE AND ELECTRONIC	01.11.2018
H04W 4/40	DEVICE	(33) China
H04L 1/00	(73) ZTE Corporation	China
H04W 52/24	(72) WU, Hao	(47) 03.04.2024
H04W 52/26	LU, Zhaohua	(51) H04L 5/00
H04W 52/36	JIANG, Chuangxin	H04W 76/15
H04W 52/38	CHEN, Yijian	H04W 36/36
(11) EP4213427	LI, Yu Ngok	(11) EP4164291
(21) EP23158778.3	ZHANG, Shujuan	(21) EP20947442.8
(22) 09.01.2020	(74) ir. A. Blokland c.s.	(22) 30.07.2020
(54) METHOD AND APPARATUS FOR	(31) 201810150889	(54) CONDITION-BASED SECONDARY
HARQ OPERATION AND POWER	(32) 13.02.2018	NODE OR PRIMARY SECONDARY
CONTROL IN V2X COMMUNICATION	(33) China	CELL ADDITION METHOD AND
IN WIRELESS COMMUNICATION	(47) 03.04.2024	DEVICE
SYSTEM	(51) H04L 5/00	(73) GUANGDONG OPPO MOBILE
(73) Samsung Electronics Co., Ltd.	H04L 1/00	TELECOMMUNICATIONS CORP., LTD.
(72) Guo, Li	H04W 72/0453	(72) WANG, Shukun
Papasakellariou, Aris	H04W 72/56	(74) ir. W.J.J.M. Kempes
(74) dr. R.C. van Duijvenbode c.s.	H04W 72/542	(47) 03.04.2024
(31) 202016736693	(11) EP4037240	(51) H04L 9/08
201962825169 P	(21) EP22161541.2	H04W 12/04
201962820478 P	(22) 31.03.2011	(11) EP3700127
201962819782 P	(54) PERIODIC CHANNEL STATE	(21) EP20164415.0
201962799435 P	INFORMATION SIGNALING WITH	(22) 22.06.2007
201962790593 P	CARRIER AGGREGATION	(54) METHOD AND SYSTEM FOR KEY
(32) 07.01.2020	(73) Wireless Future Technologies Inc.	DISTRIBUTION IN A WIRELESS
28.03.2019	(72) TIROLA, Esa Tapani	COMMUNICATION NETWORK
19.03.2019	LUNTTILA, Timo Erkki	(73) Beijing Jingshi Intellectual Property
18.03.2019	PAJUKOSKI, Kari Pekka	Management Co., Ltd
31.01.2019	HOOLI, Kari Juhani	(72) HU, Weihua
10.01.2019	(74) dr. R.C. van Duijvenbode c.s.	CHEN, Jing
(33) United States of America	(31) 75257210	(74) ir. W.J.J.M. Kempes
United States of America	(32) 01.04.2010	(31) 200610090103
United States of America	(33) United States of America	(32) 23.06.2006
United States of America	(47) 27.03.2024	(33) China
United States of America	(51) H04L 5/00	(47) 27.03.2024
United States of America	H04L 27/00	(51) H04L 12/413
(47) 24.04.2024	H04W 74/08	H04L 12/40
(51) H04L 5/00	(11) EP4123953	H04L 43/50
(11) EP3373497	(21) EP22196615.3	H04L 43/0823
(21) EP16862367.6	(22) 02.02.2017	(11) EP3977682

(21) EP20728742.6	(73) INTEL Corporation	(73) TELEFONAKTIEBOLAGET LM
(22) 27.05.2020	(72) TIEBOUT, Marc Jan Georges	ERICSSON (PUBL)
(54) ERROR DETECTION TEST DEVICE	AZADET, Kameran	(72) MUÑOZ DE LA TORRE ALONSO,
FOR A SUBSCRIBER STATION	(74) ir. W.J.J.M. Kempes	Miguel Angel
OF A SERIAL BUS SYSTEM, AND	(31) 202017131823	PUENTE PESTAÑA, Miguel Angel
METHOD FOR TESTING MECHANISMS	(32) 23.12.2020	JIMENEZ CORDON, Carlos
FOR DETECTING ERRORS IN A	(33) United States of America	(74) ir. A. Blokland c.s.
COMMUNICATION IN A SERIAL BUS	(47) 27.03.2024	(31) 18382523
SYSTEM	(51) H04L 41/16	(32) 12.07.2018
(73) Robert Bosch GmbH	G06N 20/20	(33) European Patent Office (EPO)
(72) HARTWICH, Florian	H04L 41/0823	(47) 20.03.2024
MUTTER, Arthur	H04L 41/0895	(51) H04L 67/1097
HORST, Christian	H04L 41/40	H04W 12/02
GEBAUER, Carsten	G06N 3/006	H04W 12/03
(74) ir. H.A. Witmans c.s.	H04L 43/08	(11) EP3361708
(31) 102019208058	(11) EP3903453	(21) EP17191729.7
(32) 03.06.2019	(21) EP20709902.9	(22) 19.09.2017
(33) Germany	(22) 06.02.2020	(54) DECENTRALISED DATA STORAGE
(47) 27.03.2024	(54) SYSTEMS AND METHODS FOR	(73) Schröder S.A.
(51) H04L 27/26	SAFEGUARDING ARTIFICIAL	(72) BRAND, Daniel
H04L 5/00	INTELLIGENCE-BASED NETWORK	(74) dr. ir. G.J.C. Verdijk c.s.
(11) EP3391604	CONTROL AND PROACTIVE	(31) 102017102712
(21) EP15816170.3	NETWORK OPERATIONS	(32) 10.02.2017
(22) 18.12.2015	(73) Ciena Corporation	(33) Germany
(54) DATA SIGNAL TRANSMISSION IN	(72) RANGANATHAN, Raghuraman	(47) 31.01.2024
A WIRELESS COMMUNICATION	CÔTÉ, David	(51) H04L 67/63
SYSTEM WITH REDUCED END-TO-	WISSA, Magdi	(11) EP3806431
END LATENCY	BHALLA, Shelly, A.	(21) EP20211543.2
(73) Fraunhofer-Gesellschaft zur Förderung	ONG, Lyndon, Y.	(22) 13.10.2017
der angewandten Forschung e.V.	TRIPLET, Thomas	(54) HTTP RESPONSE FAILOVER IN AN
(72) SANCHEZ, Yago	(74) J.M.H. Duyver lic.	HTTP-OVER-ICN SCENARIO
RASCHKOWSKI, Leszek	(31) 201916534134	(73) InterDigital Patent Holdings, Inc.
KURRAS, Martin	201916270667	(72) TROSSEN, Dirk
WIRTH, Thomas	(32) 07.08.2019	(74) dr. R.C. van Duijvenbode c.s.
HELLGE, Cornelius	08.02.2019	(31) 201662408366 P
EFIMUSHKINA, Tatiana	(33) United States of America	(32) 14.10.2016
THIELE, Lars	United States of America	(33) United States of America
HAUSTEIN, Thomas	(47) 03.04.2024	(47) 06.03.2024
SCHIERL, Thomas	(51) H04L 47/625	(51) H04L 69/22
(74) ir. F.A. Geurts c.s.	H04L 47/56	H04W 28/06
(47) 21.02.2024	H04L 47/6275	H04L 69/324
(51) H04L 27/26	(11) EP3996337	(11) EP3852433
H04L 5/00	(21) EP20847977.4	(21) EP19864469.2
(11) EP3518483	(22) 15.06.2020	(22) 09.09.2019
(21) EP17852316.3	(54) SERVICE DATA TRANSMISSION	(54) COMMUNICATION METHOD AND
(22) 13.09.2017	METHOD AND DEVICE	DEVICE
(54) DATA TRANSMISSION METHOD AND	(73) Huawei Technologies Co. Ltd.	(73) Huawei Technologies Co., Ltd.
APPARATUS	(72) Li, Chao	(72) XU, Bin
(73) ZTE Corporation	WANG, Xuehuan	LI, Bingzhao
(72) XIA, Shuqiang	ZHANG, Xingxin	CHEN, Lei
CHEN, Donglei	(74) ir. W.J.J.M. Kempes	WANG, Xuelong
HAO, Peng	(31) 201910684179	(74) ir. W.J.J.M. Kempes
ZUO, Zhisong	(32) 26.07.2019	(31) 201811133808
(74) ir. A. Blokland c.s.	(33) China	(32) 27.09.2018
(31) 201610846513	(47) 14.02.2024	(33) China
(32) 23.09.2016	(51) H04L 65/1101	(47) 21.02.2024
(33) China	H04M 15/00	(51) H04N 7/14
(47) 27.03.2024	H04W 4/24	H04N 7/15
(51) H04L 27/36	H04W 80/10	H04L 7/04
H03D 3/00	H04L 12/14	H04L 65/10
H04L 27/38	(11) EP3821679	(11) EP3925209
(11) EP4020913	(21) EP18762541.3	(21) EP20756203.4
(21) EP21209975.8	(22) 07.09.2018	(22) 17.02.2020
(22) 23.11.2021	(54) ENABLING FUNCTIONALITY AT A	(54) METHOD AND DEVICE FOR
(54) METHOD AND APPARATUS FOR	USER PLANE FUNCTION, UPF, BY A	CONTROLLING VIDEO RECEPTION
IN-PHASE AND QUADRATURE	SESSION MANAGEMENT FUNCTION,	(73) Samsung Electronics Co., Ltd.
IMBALANCE CORRECTION IN A	SMF, IN A TELECOMMUNICATION	(72) CHANDURI, Shiva Prasad
FREQUENCY DOMAIN	NETWORK.	GOYAL, Vinayak

KOLATI, Naveen	(51) H04N 19/503	Park, Seung Wook
PRAMODKUMAR, Shah Sapan	H04N 19/18	(74) J.M.H. Duyver lic.
GUPTA, Nishant	H04N 19/129	(31) 201161502829 P
GUNDUR, Siva Prasad	H04N 19/70	201161502833 P
GOVINDANKUTTY, Arunjith	H04N 19/119	201161501772 P
(74) dr. R.C. van Duijvenbode c.s.	H04N 19/176	(32) 29.06.2011
(31) 201941006185	H04N 19/122	29.06.2011
201941006185	H04N 19/50	28.06.2011
(32) 07.02.2020	H04N 19/61	(33) United States of America
16.02.2019	H04N 19/103	United States of America
(33) India	(11) EP3843402	United States of America
India	(21) EP19862684.8	(47) 10.04.2024
(47) 27.03.2024	(22) 20.09.2019	(51) H04N 19/52
(51) H04N 19/124	(54) IMAGE SIGNAL ENCODING/ DECODING METHOD AND APPARATUS THEREFOR	H04N 19/523
H04N 19/176	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(11) EP3639520
H04N 19/174	(72) LEE, Bae Keun	(21) EP18817711.7
H04N 19/503	(74) ir. W.J.J.M. Kempes	(22) 07.06.2018
H04N 19/593	(31) 20190022754	(54) SELECTION AND SIGNALING OF MOTION VECTOR (MV) PRECISIONS
H04N 19/467	20180114347	(73) Huawei Technologies Co., Ltd.
H04N 19/70	20180114346	(72) WANG, Wei
(11) EP3878175	20180114345	LIU, Shan
(21) EP19798824.9	20180114350	(74) ir. W.J.J.M. Kempes
(22) 21.10.2019	(32) 26.02.2019	(31) 201815982865
(54) QUANTIZATION FOR VIDEO ENCODING OR DECODING BASED ON THE SURFACE OF A BLOCK	21.09.2018	201762518402 P
(73) InterDigital VC Holdings, Inc.	21.09.2018	(32) 17.05.2018
(72) DE LAGRANGE, Philippe	21.09.2018	12.06.2017
FRANCOIS, Edouard	21.09.2018	(33) United States of America
BORDES, Philippe	21.09.2018	United States of America
(74) dr. R.C. van Duijvenbode c.s.	(33) Korea (Republic)	(47) 14.02.2024
(31) 18306824	Korea (Republic)	(51) H04N 19/70
18306469	Korea (Republic)	H04N 19/58
(32) 21.12.2018	Korea (Republic)	H04N 19/105
08.11.2018	Korea (Republic)	(11) EP3847812
(33) European Patent Office (EPO)	(47) 27.03.2024	(21) EP19858808.9
European Patent Office (EPO)	(51) H04N 19/503	(22) 12.09.2019
(47) 27.03.2024	H04N 19/52	(54) CANDIDATE SIGNALING FOR REFERENCE PICTURE LIST STRUCTURES
(51) H04N 19/186	(11) EP3741125	(73) HUAWEI TECHNOLOGIES CO., LTD.
H04N 19/86	(21) EP20745922.3	(72) WANG, Ye-Kui
H04N 19/176	(22) 15.01.2020	HENDRY, Fnu
H04N 19/117	(54) METHOD AND APPARATUS FOR VIDEO CODING	(74) ir. W.J.J.M. Kempes
(11) EP3868101	(73) Tencent America LLC	(31) 201962848147 P
(21) EP20858263.5	(72) LIU, Shan	201862730172 P
(22) 24.08.2020	XU, Xiaozhong	(32) 15.05.2019
(54) AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR PERFORMING CHROMA DEBLOCKING FOR BLOCKS WHICH USE JOINT CHROMA CODING	(74) ir. W.J.J.M. Kempes	12.09.2018
(73) Huawei Technologies Co., Ltd.	(31) 201916393779	(33) United States of America
(72) KOTRA, Anand Meher	201962795368 P	United States of America
GAO, Han	(32) 24.04.2019	(47) 14.02.2024
WANG, Biao	22.01.2019	(51) H04N 23/88
ESENLIK, Semih	(33) United States of America	H04N 9/73
CHERNYAK, Roman Igorevich	United States of America	(11) EP3761636
ALSHINA, Elena Alexandrovna	(47) 27.03.2024	(21) EP18907313.3
(74) ir. W.J.J.M. Kempes	(51) H04N 19/52	(22) 04.12.2018
(31) PCT/EP2019/077057	H04N 19/513	(54) SIGNAL PROCESSING DEVICE, SIGNAL PROCESSING METHOD, AND IMAGING DEVICE
PCT/RU2019/000639	(11) EP4164224	(73) Sony Group Corporation
PCT/EP2019/072643	(21) EP22210878.9	(72) NAKASUJI, Motohiro
(32) 07.10.2019	(22) 23.11.2011	(74) ir. W.J.J.M. Kempes
16.09.2019	(54) VIDEO DECODING APPARATUS AND VIDEO ENCODING APPARATUS	(31) 2018031712
23.08.2019	(73) LG Electronics Inc.	(32) 26.02.2018
(33) World Intellectual Property Office (WIPO)	(72) Choi, Young Hee	(33) Japan
World Intellectual Property Office (WIPO)	Park, Joon Young	(47) 03.04.2024
World Intellectual Property Office (WIPO)	Jeon, Yong Joon	(51) H04W 4/08
(47) 10.04.2024	Lim, Jae Hyun	H04W 8/18
	Jeon, Byeong Moon	H04W 48/02
	Kim, Jung Sun	

H04L 9/40	(72) BAO, Wei	INFORMATION IN A WIRELESS
H04W 12/08	LIU, Jinhua	MOBILE COMMUNICATIONS SYSTEM
H04W 84/04	(74) J.M.H. Duyver lic.	(73) Evolved Wireless LLC
(11) EP2583475	(31) 201911329069	(72) LEE, Young-Dae
(21) EP11798280.1	(32) 20.12.2019	JUNG, Myung-Cheul
(22) 20.06.2011	(33) China	CHUN, Sung-Duck
(54) APPARATUS, METHOD AND	(47) 03.04.2024	PARK, Sung-Jun
COMPUTER PROGRAM PRODUCT	(51) H04W 12/64	(74) ir. W.J.J.M. Kempes
FOR CLOSED SUBSCRIBER GROUP	H04W 12/06	(31) 20060063135
MANAGEMENT IN MOBILE RADIO	H04W 4/18	732080 P
COMMUNICATIONS DEVICE	H04W 4/021	(32) 05.07.2006
(73) NEC Corporation	H04W 4/029	31.10.2005
(72) JACTAT Caroline	H04W 4/02	(33) Korea (Republic)
(74) ir. J.C. Volmer c.s.	H04L 51/222	United States of America
(31) 201010393	H04L 51/52	(47) 06.03.2024
(32) 21.06.2010	(11) EP3941000	(51) H04W 48/14
(33) United Kingdom	(21) EP21195813.7	H04W 48/12
(47) 28.02.2024	(22) 18.03.2016	H04W 76/15
(51) H04W 4/80	(54) GEO-FENCE AUTHORIZATION	H04W 76/27
H04W 4/50	PROVISIONING	H04W 68/00
G07F 9/00	(73) Snap Inc.	H04W 68/02
G06Q 20/18	(72) CHANG, Sheldon	(11) EP4111750
(11) EP4238330	ALLEN, Nicholas Richard	(21) EP21808906.8
(21) EP21823657.8	(74) ir. F.A. Geurts c.s.	(22) 20.05.2021
(22) 27.10.2021	(31) 201562134689 P	(54) METHOD AND APPARATUS FOR
(54) MOBILE APPLICATION FOR MOBILE	(32) 18.03.2015	TRANSMITTING AND RECEIVING
DEVICES TO ALLOW BEVERAGES	(33) United States of America	PAGING AND DEDICATED SYSTEM
DELIVERED BY BEVERAGE VENDING	(47) 14.02.2024	INFORMATION IN A WIRELESS
MACHINES TO BE SELECTED AND	(51) H04W 16/14	COMMUNICATION SYSTEM
PERSONALISED	H04W 72/12	(73) Samsung Electronics Co., Ltd.
(73) EVOCA S.p.A.	H04W 72/04	(72) AGIWAL, Anil
(72) CAPOBIANCO, Alberto	H04L 5/14	KIM, Soenghun
(74) ir. J.C. Volmer c.s.	H04W 74/08	(74) dr. R.C. van Duijvenbode c.s.
(31) 202100027353	H04L 5/00	(31) 202063094553 P
20204112	H04W 72/23	202063027422 P
(32) 25.10.2021	(11) EP4037364	(32) 21.10.2020
27.10.2020	(21) EP22163230.0	20.05.2020
(33) Italy	(22) 15.06.2018	(33) United States of America
European Patent Office (EPO)	(54) METHOD OF CONFIGURING UPLINK	United States of America
(47) 20.03.2024	GRANT-FREE TRANSMISSION AND	(47) 03.04.2024
(51) H04W 8/20	DEVICE THEREOF	(51) H04W 52/02
H04W 12/08	(73) Vivo Mobile Communication Co., Ltd.	(11) EP3811689
H04W 4/14	(72) YANG, Xiaodong	(21) EP19752896.1
H04W 48/02	CHEN, Xiaohang	(22) 02.08.2019
H04W 60/04	(74) J.M.H. Duyver lic.	(54) BEAM FAILURE RECOVERY
(11) EP3732907	(31) 2017110459619	PROCEDURE IN DORMANT STATE
(21) EP19825751.1	(32) 16.06.2017	(73) Ofinno, LLC
(22) 31.01.2019	(33) China	(72) PARK, Kyungmin
(54) A METHOD AND SYSTEM OF	(47) 03.04.2024	CIRIK, Ali Cagatay
INDICATING SMS SUBSCRIPTION TO	(51) H04W 24/08	BABAEI, Alireza
THE UE UPON CHANGE IN THE SMS	(11) EP3739935	DINAN, Esmael
SUBSCRIPTION IN A NETWORK	(21) EP18900248.8	JEON, Hyoungsuk
(73) NEC Corporation	(22) 11.01.2018	ZHOU, Hua
(72) TAMURA Toshiyuki	(54) USER TERMINAL AND RADIO	(74) dr. W.A.H.M. Van Borm
TIWARI Kundan	COMMUNICATION METHOD	(31) 201862714207 P
(74) ir. J.C. Volmer c.s.	(73) NTT DOCOMO, INC.	(32) 03.08.2018
(31) 201811023633	(72) WANG, Jing	(33) United States of America
(32) 25.06.2018	LIU, Liu	(47) 21.02.2024
(33) India	HARADA, Hiroki	(51) H04W 52/02
(47) 06.03.2024	NAGATA, Satoshi	H04W 4/02
(51) H04W 8/24	(74) dr. ir. F.M. van Bouwelen	(11) EP3972354
H04W 48/14	(47) 17.04.2024	(21) EP21206479.4
(11) EP4080925	(51) H04W 36/32	(22) 30.01.2018
(21) EP20901277.2	(11) EP3288312	(54) CONTROL OF UPLINK DATA
(22) 18.12.2020	(21) EP17020418.4	TRANSMISSION
(54) TAU METHOD AND DEVICE BASED ON	(22) 15.09.2006	(73) BlackBerry Limited
MOBILE IAB NODE	(54) METHOD OF TRANSMITTING	(72) ARZELIER, Claude Jean-Frederic
(73) Vivo Mobile Communication Co., Ltd.	AND RECEIVING RADIO ACCESS	BACHMAN, Karen Lynn

FAURIE, Rene	(47) 14.02.2024	(32) 13.02.2018
BARRETT, Stephen John	(51) H04W 56/00	(33) China
(74) ir. W.J.J.M. Kempes	H04W 72/04	(47) 10.04.2024
(31) 201715419321	(11) EP3902340	(51) H04W 72/04
(32) 30.01.2017	(21) EP21159841.2	H04L 5/00
(33) United States of America	(22) 25.12.2017	H04W 48/12
(47) 27.03.2024	(54) COMMUNICATION METHOD AND	H04W 48/16
(51) H04W 52/02	ACCESS NETWORK DEVICE	(11) EP3697150
H04W 72/02	(73) Huawei Technologies Co. Ltd.	(21) EP18866916.2
H04W 84/12	(72) CHENG, Xingqing	(22) 02.10.2018
(11) EP3952483	WAN, Lei	(54) USER EQUIPMENT, BASE STATION
(21) EP21196208.9	XIE, Xinqian	AND WIRELESS COMMUNICATION
(22) 23.08.2016	SUN, Wei	METHOD
(54) COMMUNICATION DEVICE AND	GUO, Zhiheng	(73) NTT DOCOMO, INC.
COMMUNICATION METHOD	(74) ir. W.J.J.M. Kempes	(72) SANO, Yousuke
(73) Sony Group Corporation	(31) 201710010644	HARADA, Hiroki
(72) YAMAURA, Tomoya	(32) 06.01.2017	TAKEDA, Daiki
SUGAYA, Shigeru	(33) China	(74) dr. ir. F.M. van Bouwelen
ITAGAKI, Takeshi	(47) 17.04.2024	(31) 2017208619
(74) ir. W.J.J.M. Kempes	(51) H04W 68/02	(32) 11.10.2017
(31) 2015221249	H04W 68/04	(33) Japan
(32) 11.11.2015	H04W 88/04	(47) 17.04.2024
(33) Japan	H04W 76/27	(51) H04W 72/0453
(47) 27.03.2024	H04W 76/28	H04W 4/06
(51) H04W 52/02	H04W 48/20	H04L 5/00
H04W 72/04	(11) EP3975636	H04W 72/23
H04L 5/00	(21) EP21208961.9	(11) EP3952548
(11) EP3962181	(22) 21.09.2017	(21) EP21197932.3
(21) EP21199186.4	(54) BASE STATION AND RADIO TERMINAL	(22) 07.08.2009
(22) 25.04.2011	(73) Kyocera Corporation	(54) WIRELESS COMMUNICATION
(54) MOBILE COMMUNICATION SYSTEM,	(72) MORITA, Kugo	BASE STATION DEVICE, WIRELESS
BASE STATION, NEIGHBOR BASE	CHANG, Henry	COMMUNICATION TERMINAL DEVICE,
STATION AND MOBILE TERMINAL	FUJISHIRO, Masato	AND CHANNEL ALLOCATION METHOD
(73) MITSUBISHI ELECTRIC	(74) J.M.H. Duyver lic.	(73) Sun Patent Trust
CORPORATION	(31) 201662397453 P	(72) NAKAO, Seigo
(72) MOCHIZUKI, Mitsuru	(32) 21.09.2016	NISHIO, Akihiko
MAEDA, Miho	(33) United States of America	IMAMURA, Daichi
(74) J.M.H. Duyver lic.	(47) 20.03.2024	(74) ir. W.J.J.M. Kempes
(31) 2010223903	(51) H04W 72/04	(31) 2008330641
2010103487	(11) EP3104650	2008281390
(32) 01.10.2010	(21) EP14884017.6	2008205644
28.04.2010	(22) 28.02.2014	(32) 25.12.2008
(33) Japan	(54) METHOD AND DEVICE FOR	31.10.2008
Japan	PERFORMING COMMUNICATION BY	08.08.2008
(47) 03.04.2024	USING UNAUTHORIZED SPECTRUM	(33) Japan
(51) H04W 52/34	(73) Honor Device Co., Ltd.	Japan
H04W 52/36	(72) LIN, Bo	Japan
(11) EP3989651	CHANG, Junren	(47) 03.04.2024
(21) EP21215914.9	LI, Yajuan	(51) H04W 72/12
(22) 21.05.2010	CHAI, Li	H04W 72/566
(54) REPORTING POWER HEADROOM	FENG, Shulan	H04W 92/18
FOR AGGREGATED CARRIERS	MA, Jie	(11) EP4057755
(73) BlackBerry Limited	(74) ir. W.J.J.M. Kempes	(21) EP20884906.7
(72) CAI, Zhijun	(47) 10.04.2024	(22) 06.11.2020
FONG, Mo-Han	(51) H04W 72/04	(54) INFORMATION PROCESSING
HEO, Youn Hyoung	H04L 5/00	METHOD AND TERMINAL
MCBEATH, Sean Michael	H04L 1/00	(73) Vivo Mobile Communication Co., Ltd.
EARNSHAW, Andrew Mark	H04W 48/12	(72) LIANG, Jing
(74) ir. W.J.J.M. Kempes	(11) EP4152865	(74) J.M.H. Duyver lic.
(31) 32021110 P	(21) EP22182219.0	(31) 201911078538
30392010 P	(22) 28.01.2019	(32) 06.11.2019
18065209 P	(54) COMMUNICATION METHOD,	(33) China
(32) 01.04.2010	APPARATUS, AND SYSTEM	(47) 03.04.2024
12.02.2010	(73) Huawei Technologies Co., Ltd.	(51) H04W 72/1268
22.05.2009	(72) WANG, Jianguo	(11) EP3989668
(33) United States of America	ZHANG, Xu	(21) EP21214152.7
United States of America	(74) ir. W.J.J.M. Kempes	(22) 08.05.2017
United States of America	(31) 201810150873	

(54) METHOD AND USER EQUIPMENT FOR TRANSMITTING UPLINK SIGNALS	DINAN, Esmael JEON, Hyoungsuk	LEE, Hoyeon PARK, Jungshin
(73) Samsung Electronics Co., Ltd.	(74) dr. W.A.H.M. Van Borm	(74) dr. R.C. van Duijvenbode c.s.
(72) LI, Yingyang	(31) 201962861019 P	(31) 20190037914
WANG, Yi	(32) 13.06.2019	20190017070
ZHANG, Shichang	(33) United States of America	20190008381
(74) dr. R.C. van Duijvenbode c.s.	(47) 21.02.2024	(32) 01.04.2019
(31) 201610363478	(51) H04W 74/00	14.02.2019
201610319433	H04W 74/08	22.01.2019
(32) 26.05.2016	H04W 84/12	(33) Korea (Republic)
12.05.2016	H04B 7/0452	Korea (Republic)
(33) China	(11) EP3902365	Korea (Republic)
China	(21) EP21178389.9	(47) 10.04.2024
(47) 17.04.2024	(22) 16.10.2017	(51) H05K 3/36
(51) H04W 72/23	(54) ENHANCED MANAGEMENT OF ACS	H05K 1/14
H04W 72/1273	IN MULTI-USER EDCA TRANSMISSION	H05K 1/02
(11) EP3579635	MODE IN WIRELESS NETWORKS	(11) EP4025019
(21) EP18747734.4	(73) CANON KABUSHIKI KAISHA	(21) EP20861917.1
(22) 02.02.2018	(72) BARON, Stéphane	(22) 02.09.2020
(54) USER TERMINAL AND WIRELESS COMMUNICATION METHOD	NEZOU, Patrice	(54) ELECTRONIC DEVICE
(73) NTT DOCOMO, INC.	VIGER, Pascal	(73) Honor Device Co., Ltd.
(72) MU, Qin	(74) J.M.H. Duyver lic.	(72) CHE, Jihai
TAKEDA, Kazuki	(31) 201617880	ZHANG, Tong
JIANG, Huiling	(32) 21.10.2016	LIU, Peng
NAGATA, Satoshi	(33) United Kingdom	JIANG, Fan
LIU, Liu	(47) 14.02.2024	LI, Wenjing
(74) dr. ir. F.M. van Bouwelen	(51) H04W 76/19	(74) ir. W.J.J.M. Kempes
(31) 2017017971	H04W 72/0453	(31) 201910838308
(32) 02.02.2017	H04W 72/23	(32) 05.09.2019
(33) Japan	H04W 74/08	(33) China
(47) 27.03.2024	H04W 76/38	(47) 10.04.2024
(51) H04W 72/541	(11) EP3744140	(51) H05K 5/06
H04L 5/00	(21) EP19719674.4	H02G 3/08
(11) EP3883319	(22) 27.03.2019	H02K 5/136
(21) EP19913521.1	(54) BANDWIDTHPART (BWP) SWITCHING	(11) EP3718382
(22) 03.02.2019	DURING BEAM FAILURE RECOVERY	(21) EP18830927.2
(54) WIRELESS COMMUNICATION METHOD, TERMINAL DEVICE AND NETWORK DEVICE	(73) Ofinno, LLC	(22) 26.11.2018
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(72) CIRIK, Ali Cagatay	(54) SAFETY CIRCUIT APPARATUS
(72) SHI, Zhihua	BABAEI, Alireza	(73) LPW Technology Ltd
CHEN, Wenhong	DINAN, Esmael	(72) HEALEY, Callum
ZHANG, Zhi	ZHOU, Hua	(74) ir. A.R. Aalbers
(74) ir. W.J.J.M. Kempes	JEON, Hyoungsuk	(31) 201719841
(47) 27.03.2024	(74) dr. W.A.H.M. Van Borm	(32) 29.11.2017
(51) H04W 74/00	(31) 201862650814 P	(33) United Kingdom
H04W 52/14	201862650739 P	(47) 20.03.2024
H04W 52/32	(32) 30.03.2018	(51) H10K 30/40
H04W 72/04	30.03.2018	H10K 85/50
H04L 5/00	(33) United States of America	H10K 30/57
H04W 52/50	United States of America	H01L 31/032
H04W 52/16	(47) 14.02.2024	H01L 31/078
H04W 76/15	(51) H04W 92/02	H01L 31/0749
H04W 52/40	H04W 48/18	(11) EP3970209
H04W 52/36	H04W 88/18	(21) EP20728150.2
H04W 52/34	H04W 60/00	(22) 14.05.2020
H04W 52/28	H04W 8/00	(54) PHOTOVOLTAIC DEVICE
(11) EP3984292	H04W 60/04	(73) Oxford Photovoltaics Limited
(21) EP20735794.8	H04W 76/12	(72) CROSSLAND, Edward James William
(22) 15.06.2020	H04W 88/06	WILLIAMS, Ben
(54) POWER CONTROL FOR MULTIPLE SERVICES	H04W 8/02	BEAUMONT, Nicola
(73) Ofinno, LLC	(11) EP3912431	(74) dr. R.C. van Duijvenbode c.s.
(72) ZHOU, Hua	(21) EP20745662.5	(31) 201906926
YI, Yunjung	(22) 22.01.2020	(32) 16.05.2019
BABAEI, Alireza	(54) DEVICE AND METHOD FOR PROVIDING NETWORK SLICE INTERWORKING IN WIRELESS COMMUNICATION SYSTEM	(33) United Kingdom
	(73) Samsung Electronics Co., Ltd.	(47) 14.02.2024
	(72) KIM, Sunghoon	(51) H10K 50/80
		H10K 71/60
		H10K 77/10
		(11) EP3896749

- (21) EP21151042.5
(22) 12.01.2021
(54) DISPLAY APPARATUS AND METHOD
OF MANUFACTURING THE SAME
(73) Samsung Display Co., Ltd.
(72) So, Byungsoo
Okumura, Hiroshi
Jeong, Jaewoo
Baek, Jongjun
Kang, Minkyung
(74) drs. A.A. Jilderda
(31) 20200043605
(32) 09.04.2020
(33) Korea (Republic)
(47) 24.04.2024
-
- (51) H10K 59/35
H10K 50/12
H10K 59/122
H10K 59/124
H10K 59/80
H10K 102/00
(11) EP3671852
(21) EP19216959.7
(22) 17.12.2019
(54) ORGANIC LIGHT EMITTING
DISPLAY PANEL AND ORGANIC
LIGHT EMITTING DISPLAY DEVICE
INCLUDING THE SAME
(73) LG Display Co., Ltd.
(72) LEE, Sunmi
KIM, Mi-Na
LEE, Seongjoo
BEAK, JungSun
YOO, Namseok
(74) dr. R.C. van Duijvenbode c.s.
(31) 20180163392
(32) 17.12.2018
(33) Korea (Republic)
(47) 03.04.2024
-

EP4

**Voor Nederland verleende gewijzigde Europese octrooien.
European patents granted in amended form for the Netherlands.**

(51) A01K 67/027 C07K 16/00 C07K 16/46 C12N 15/85 C12N 15/90	MARTINBOROUGH, Esther BOEHM, Marcus, F. HUANG, Liming TIMONY, Gregg, Alan TAMIYA, Junko SCOTT, Fiona, Lorraine	BODERKE, Peter FUERST, Christiane LOOS, Petra
(11) EP3622813 (21) EP19207050.6 (22) 07.07.2010	(31) 261301 P 262474 P	(31) 10305532 10305780 11305140
(54) ANIMAL MODELS AND THERAPEUTIC MOLECULES	(32) 13.11.2009 18.11.2009	(32) 19.05.2010 13.07.2010 10.02.2011
(73) Kymab Limited (74) J.M.H. Duyver lic.	(33) United States of America United States of America	(33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)
(72) LIANG, Qi LEE, E-Chiang WANG, Wei BRADLEY, Allan	(47) 14.03.2018	(47) 04.04.2018
(31) 0913102 0911846 35566610 P 22396009 P	(51) A24C 5/47 (11) EP3590362 (21) EP19180922.7 (22) 18.06.2019 (54) MULTISEGMENT PRODUCT MANUFACTURE FOR THE TOBACCO PROCESSING INDUSTRY	(51) A61M 1/10 A61M 1/12 (11) EP2301598 (21) EP10008270.0 (22) 27.08.2008 (54) CATHETER DEVICE (73) AIS GMBH AACHEN INNOVATIVE SOLUTIONS
(32) 28.07.2009 08.07.2009 17.06.2010 08.07.2009	(73) Körber Technologies GmbH (74) ir. F.A. Geurts c.s. (72) MEYER, Jochem MEINS, Thomas HOFMANN, Nils	(72) Günther, Rolf W. Pfeffer, Joachim Georg Schmitz-Rode, Thomas
(33) United Kingdom United Kingdom United States of America United States of America	(31) 102018115933 (32) 02.07.2018 (33) Germany	(31) 07019658 (32) 08.10.2007 (33) European Patent Office (EPO)
(47) 17.02.2021	(47) 31.03.2021	(47) 05.07.2017
(51) A01M 7/00 (11) EP3308643 (21) EP17203194.0 (22) 18.09.2014	(51) A24D 1/02 A24C 5/60 C09C 1/00 (11) EP2772145 (21) EP13157079.8 (22) 27.02.2013 (54) Smoking article with colour shifting marking	(51) B60P 7/08 B60J 5/06 (11) EP3015311 (21) EP14190720.4 (22) 28.10.2014 (54) Commercial vehicle structure and method for securing the position of an item transported on a transport platform of a commercial vehicle
(54) DEVICE FOR DISPENSING FLUID AND/OR SOLID AGENTS AND METHOD FOR CONTROLLING THE DEVICE	(73) Philip Morris Products S.A. (72) Nappi, Leonardo (47) 15.06.2016	(73) Schmitz Cargobull AG (74) ir. J.C. Volmer c.s. (72) Derks, Roger Gerardus Christiaan (47) 17.01.2018
(73) HORSCH LEEB Application Systems GmbH (74) ir. M.F.J.M. Ketelaars c.s. (72) LEEB, Theodor HIRTHAMMER, Otto	(51) A61K 9/00 A61K 9/08 A61K 47/10 A61K 47/26 A61K 38/26 A61K 38/28 A61K 38/22 (11) EP2571517 (21) EP11720115.2 (22) 18.05.2011 (54) LONG - ACTING FORMULATIONS OF INSULINS	(51) C12N 9/42 C12P 7/06 C12P 19/02 C12P 7/10 C12P 19/14 (11) EP2064323 (21) EP08756544.6 (22) 30.05.2008 (54) METHODS OF INCREASING THE CELLULOLYTIC ENHANCING ACTIVITY OF A POLYPEPTIDE
(31) 102013110304 (32) 18.09.2013 (33) Germany (47) 11.08.2021	(73) SANOFI (74) ir. W.J.J.M. Kempes (72) FRICK, Annke WERNER, Ulrich BECKER, Reinhard SCHOETTLE, Isabell TERTSCH, Katrin MUELLER, Werner	(73) Novozymes Inc. (74) ir. F.A. Geurts c.s. (72) HARRIS, Paul MCFARLAND, Keith (31) 941243 P (32) 31.05.2007 (33) United States of America (47) 20.09.2017
(51) A01N 43/78 A61K 31/425 (11) EP2498610 (21) EP10830880.0 (22) 15.11.2010	(54) SELECTIVE SPHINGOSINE 1 PHOSPHATE RECEPTOR MODULATORS AND METHODS OF CHIRAL SYNTHESIS	(51) E06B 3/663
(73) RECEPTOS LLC (74) ir. A. Blokland c.s. (72) HANSON, Michael, Allen BROOKS, Jennifer, L. YEAGER, Adam, Richard MOORJANI, Manisha BRAHMACHARY, Enugurthi		

E06B 3/673

- (11) EP3052731
 - (21) EP14753266.7
 - (22) 22.08.2014
 - (54) DISTANCER FOR INSULATING
GLAZING
 - (73) Saint-Gobain Glass France
 - (74) ir. F.A. Geurts c.s.
 - (72) SCHREIBER, Walter
RIGAUD, Martin
KUSTER, Hans-Werner
 - (31) 13186710
 - (32) 30.09.2013
 - (33) European Patent Office (EPO)
 - (47) 11.04.2018
-

- (51) F25D 19/00
 - (11) EP2409096
 - (21) EP10710389.7
 - (22) 15.03.2010
 - (54) CRYOGEN FREE COOLING
APPARATUS AND METHOD
 - (73) Oxford Instruments Nanotechnology
Tools Limited
 - (74) J.M.H. Duyver lic.
 - (72) GARSIDE, John
KINGLEY, Simon
BUEHLER, Matthias
CROWTHER, Gavin
WERNICKE, Doreen
 - (31) 0904500
 - (32) 16.03.2009
 - (33) United Kingdom
 - (47) 21.08.2019
-

EP5

**Voor Nederland verleende gewijzigde Europese octrooien waarvoor een gewijzigde vertaling is ingediend ex artikel 52 lid 6 van de Rijksoctrooiwet 1995.
European patents granted in amended form for the Netherlands in which an amended translation was filed ex Article 52 par. 6 of the NL Patent Law 1995.**

(51) A01F 15/08	(11) EP3603570	(11) EP3579944
(11) EP3205204	(21) EP19193402.5	(21) EP18713729.4
(21) EP17155164.1	(22) 19.12.2006	(22) 08.02.2018
(22) 08.02.2017	(54) SYSTEM FOR SELECTING MODES	(54) METHOD FOR REMOVING
(54) BALING PRESS	OF OPERATION IN A POWER	IMPURITIES FROM A FLUID STREAM
(73) PÖTTINGER Landtechnik GmbH	TOOTHBRUSH	(73) M Vest Water AS
(72) Lackner, Christian	(73) Koninklijke Philips N.V.	(72) MUNDHEIM, Atle
(74) dr. R.C. van Duijvenbode c.s.	(72) DABROWSKI, Christopher J.	(74) dr. A. Krebs
(31) 102016001588	(74) dr. R.C. van Duijvenbode c.s.	(31) 20170200
(32) 11.02.2016	(31) 752653 P	(32) 09.02.2017
(33) Germany	(32) 21.12.2005	(33) Norway
(47) 02.09.2020	(33) United States of America	(47) 09.12.2020
(51) A23L 33/10	(47) 24.02.2021	(51) B26D 1/36
A23L 5/00	(51) A61J 1/10	B26D 1/02
A23L 33/17	A61J 1/14	B26D 1/157
A23L 33/00	B32B 27/08	B26D 5/42
C13K 5/00	B32B 27/30	B26D 7/06
A23L 33/115	B32B 27/32	B26D 7/08
A23L 33/19	A61J 1/16	B26D 7/18
A23P 10/40	B32B 27/16	B26D 7/22
A23P 10/43	(11) EP3407852	B26D 7/24
(11) EP3068239	(21) EP17706011.8	B26D 7/32
(21) EP14800162.1	(22) 27.01.2017	B26D 7/30
(22) 07.11.2014	(54) BAG ASSEMBLY STERILIZABLE BY	B26D 7/01
(54) POWDERED NUTRITIONAL	GAMMA IRRADIATION	B26D 5/00
COMPOSITION WITH LARGE LIPID	(73) Entegris, Inc.	A22C 17/00
GLOBULES	(72) KOLAND, Amy	B26D 1/143
(73) N.V. Nutricia	SCHLEICHER, Michael, J.	B26D 5/08
(72) ARAKAKI, Cecilia	JOHNSON, Michael, W.	(11) EP2251159
VALK, Maarten Pieter	TOLLESON, Alex	(21) EP10006876.6
MOONEN, Raoul Charles Johan	LEYS, John, A.	(22) 22.10.2008
(74) dr. R.C. van Duijvenbode c.s.	BROSCH, Brenna	(54) Conveyor drive for food slicing machine
(31) PCT/EP2013/073513	(74) dr. A. Krebs	(73) Formax, Inc.
(32) 11.11.2013	(31) 201662289028 P	(72) Lindee, Scott
(33) World Intellectual Property Office (WIPO)	(32) 29.01.2016	(74) dr. R.C. van Duijvenbode c.s.
(47) 26.07.2017	(33) United States of America	(31) 255661
(51) A24F 47/00	(47) 03.03.2021	202 P
A61M 15/00	(51) A61K 31/573	999961 P
A61L 9/03	A61K 39/395	(32) 21.10.2008
A61M 15/06	(11) EP2637670	23.10.2007
F22B 1/28	(21) EP11788077.3	22.10.2007
H05B 6/06	(22) 27.10.2011	(33) United States of America
A61M 11/04	(54) PREVENTION OF ADVERSE EFFECTS	United States of America
H05B 6/10	CAUSED BY CD3 SPECIFIC BINDING	United States of America
(11) EP3142503	DOMAINS	(47) 04.12.2019
(21) EP15725173.7	(73) Amgen Research (Munich) GmbH	(51) C12N 7/00
(22) 12.05.2015	(72) NAGORSEN, Dirk	C12N 15/86
(54) IMPROVED VAPORIZER DEVICE	SCHEELE, Juergen	(11) EP3083970
(73) Loto Labs, Inc.	ZUGMAIER, Gerhard	(21) EP14828237.9
(72) BROWN, Gabriel	(74) ir. A.R. Aalbers	(22) 17.12.2014
BHARDWAJ, Neeraj, S.	(31) 412229 P	(54) METHOD FOR PURIFYING
BLELOCH, Andrew, L.	(32) 10.11.2010	ENVELOPED VIRUSES OR VIRAL
(74) dr. W.A.H.M. Van Borm	(33) United States of America	VECTORS
(31) 201461991757 P	(47) 08.03.2017	(73) Genethon
(32) 12.05.2014	(51) B01D 17/04	(72) MERTEN, Otto-Wilhelm
(33) United States of America	C02F 1/40	FENARD, David
(47) 26.09.2018	C02F 1/52	BOUDEFFA, Driss
(51) A61C 17/22	C02F 1/56	(74) J.M.H. Duyver lic.
	C10G 33/04	(31) 1362835

- (32) 17.12.2013
(33) France
(47) 04.09.2019
-
- (51) G05D 1/00
G03B 15/00
G05D 1/10
G08G 5/00
(11) EP3596570
(21) EP17828706.6
(22) 18.12.2017
(54) METHOD FOR CHECKING THE
ELECTRICAL CONTINUITY OF A
LIGHTNING CONDUCTOR OF A WIND
TURBINE
(73) TOP seven GmbH & Co. KG
(72) SCHICKEL, Peter
NEUBAUER, Oliver
SENG, Ulrich
(74) ir. F.A. Geurts c.s.
(31) 102017205647
102017204242
(32) 03.04.2017
14.03.2017
(33) Germany
Germany
(47) 21.07.2021
-

SPC**Aangevraagde en verleende aanvullende beschermingscertificaten (of de verlengingen van de aanvullende beschermingscertificaten).****Applications and granted Supplementary Protection Certificates (or the extensions of the Supplementary Protection Certificates).**

- (21) 300696
(22) 13.06.2024
(11) 300696
(71) Boehringer Ingelheim International GmbH
Boehringer Ingelheim International GmbH
(74) ir. F.A. Geurts c.s.
ir. F.A. Geurts c.s.
(68) EP1730131
(54) GLUCOPYRANOSYL-SUBSTITUTED BENZOL DERIVATIVES, DRUGS CONTAINING SAID COMPOUNDS, THE USE THEREOF AND METHOD FOR THE PRODUCTION THEREOF.
(94) 1538
(95) Empagliflozine en zouten daarvan, in het bijzonder empagliflozine.
(93) EU/1/14/930/001-009 27.05.2014
-
- (21) 300917
(22) 07.12.2017
(11) 300917
(73) Novartis AG
(74) ir. M.F.J.M. Ketelaars c.s.
(68) EP1638574
(54) NEW PHARMACEUTICAL USES OF STAUROSPORINE DERIVATIVES.
(94) 16.06.2029
(95) Midostaurine, desgewenst in de vorm van een zout
(93) EU/1/17/1218 20.09.2017
(47) 09.01.2018
-
- (21) 301177
(22) 02.06.2022
(11) 301177
(73) Siga Technologies, Inc.
(74) ir. A. Blokland c.s.
(68) EP1638938
(54) COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATMENT AND PREVENTION OF ORTHOPOXVIRUS INFECTIONS AND ASSOCIATED DISEASES
(94) 17.06.2029
(95) tecovirimat of een farmaceutisch aanvaardbaar zout daarvan
(93) EU/1/21/1600/001 07.01.2022
(47) 23.08.2022
-

VB1

Herstellerverzoeken, bezwaarschriften, beroepschriften of hoger beroepschriften ingediend ex Rijksoctrooiwet 1995.**Requests for restoration and notices of objection, notices of objection to Court, notices of objection to appellate court ex NL Patent Law 1995.**

(11) 301048	H04R 11/14	(11) EP3958774
(00) 13.05.2024	H04R 15/02	(51) A61B 18/14
(00) Appeal	H04R 17/10	A61B 18/00
(00) Boehringer Ingelheim Vetmedica GmbH	(00) 33/23	A61B 17/00
	16.08.2023	A61B 34/20
(11) EP2593488	(11) EP3737234	(00) 33/23
(51) C08F 4/654	(51) A01N 25/10	16.08.2023
C08F 110/06	A01P 7/04	(11) EP3965940
C08F 110/02	A01P 17/00	(51) B02C 15/00
C08F 4/649	C08J 3/20	B02C 23/02
(00) 33/23	A61L 9/04	B02C 25/00
16.08.2023	A61Q 15/00	(00) 33/23
(11) EP3465637	A61Q 13/00	16.08.2023
(51) G07D 7/20	A61K 8/72	(11) EP4001734
G07D 7/206	(00) 34/23	(51) F17D 3/05
(00) 33/23	23.08.2023	F17D 1/04
16.08.2023	(11) EP3783378	(00) 34/23
(11) EP3468792	(51) G01R 31/50	23.08.2023
(51) B32B 17/06	G01R 31/364	(11) EP4010426
E06B 3/663	G01R 19/165	(51) C08L 75/08
E06B 5/16	G01R 19/00	C08G 18/40
E06B 3/54	G01R 31/3835	C08G 18/48
E06B 3/67	H01M 10/42	C09D 5/02
(00) 33/23	H01M 4/04	C09D 7/62
16.08.2023	H01M 10/48	C09D 7/43
(11) EP3500900	G01R 31/36	C08G 18/42
(51) G05D 1/02	(00) 32/23	C08G 18/32
B25J 9/00	09.08.2023	C08G 18/22
B25J 13/08	(11) EP3807569	C08G 18/50
G05B 15/00	(51) F17D 1/04	C08G 18/73
G05D 1/00	(00) 33/23	C08K 5/21
(00) 33/23	16.08.2023	C08G 18/66
16.08.2023	(11) EP3814728	C08G 18/76
(11) EP3622049	(51) G01F 23/26	C08G 18/79
(51) C11D 1/72	F27D 21/00	(00) 32/23
C11D 1/722	F27B 3/08	09.08.2023
C11D 3/08	(00) 33/23	(11) EP4051484
C11D 3/10	16.08.2023	(51) B29C 49/78
C11D 3/395	(11) EP3892901	B29C 49/80
C11D 3/39	(51) F16L 11/08	B29C 49/06
C11D 3/37	B32B 1/08	B29K 67/00
C11D 17/00	B32B 7/02	B29L 31/00
C11D 1/66	B32B 27/12	(00) 33/23
(00) 33/23	B32B 5/02	16.08.2023
16.08.2023	(00) 33/23	(11) EP4115746
(11) EP3639841	16.08.2023	(51) A24B 13/00
(51) C12Q 1/6883	(11) EP3898030	A24B 15/16
A61K 39/395	(51) B22D 41/24	A24B 15/28
C07K 16/28	(00) 32/23	A24B 15/30
A61P 1/00	09.08.2023	(00) 33/23
(00) 36/23	(11) EP3900490	16.08.2023
06.09.2023	(51) H05B 45/20	
(11) EP3643077	(00) 33/23	
(51) H04R 1/10	16.08.2023	
H04R 19/00	(11) EP3917694	
H04R 19/02	(51) B21B 13/14	
H04R 25/00	(00) 32/23	
H04R 1/28	09.08.2023	
H04R 9/18		

VB2**Beslissingen genomen op herstelverzoeken, bezwaarschriften, beroepschriften of hoger beroepschriften ex Rijksoctrooiwet 1995.**

Requests for restoration and notices of objection, notices of objection to Court, notices of objection to appellate court ex NL Patent Law 1995 in respect of which a decision has been taken.

(11) EP2706002	(00) Negative
(51) B62K 25/28	(11) EP3705683
B62M 6/55	(51) E21B 7/04
(11) EP3020730	E21B 7/02
(51) A61K 39/00	(00) 26/22
A61K 51/10	29.06.2022
C07K 16/28	(11) EP3754290
C07K 16/30	(51) F41H 5/04
C12N 15/115	F41H 7/04
A61K 47/68	B64C 1/00
(11) EP3085636	C21D 7/06
(51) B65D 51/20	C23C 4/02
(00) 16/20	
15.04.2020	
(11) EP3137532	
(51) C08G 63/664	
C08G 64/18	
A61K 47/34	
(11) EP3148890	
(51) B65D 19/38	
(11) EP3401299	
(51) C07C 29/152	
C07C 31/04	
B01J 8/04	
B01J 8/06	
(11) EP3411389	
(51) C07K 14/36	
C12N 9/52	
C12N 9/64	
(11) EP3425132	
(51) E04B 1/68	
E06B 1/62	
F16J 15/02	
(11) EP3472293	
(51) C11D 3/00	
C11D 3/04	
C11D 3/30	
C11D 1/83	
(11) EP3592677	
(51) B62D 65/02	
B65G 47/90	
B65G 65/00	
B66C 11/12	
B66C 11/14	
B66C 19/00	
(11) EP3646213	
(51) H04L 67/02	
G06F 21/00	
H04L 9/32	
H04L 67/01	
H04L 69/22	
H04L 67/63	
H04L 67/56	
(00) 02/24	
10.01.2024	
(00) 12.06.2024	

MED

**Overige mededelingen.
Other communications.**

(11) 2023374	(51) A01K 67/027
(00) 04.06.2024	C07K 16/00
(51) G01L 1/12	C07K 16/46
(11) 2037139	C12N 15/85
(00) 14.06.2024	C12N 15/90
(51) C12Q 1/6895	
(11) 2037580	
(00) 14.06.2024	
(51) C12Q 1/6895	
C12Q 1/6858	
(11) 2037581	
(00) 14.06.2024	
(51) C12Q 1/6895	
C12Q 1/6858	
(11) EP2064323	
(51) C12N 9/42	
C12P 7/06	
C12P 19/02	
C12P 7/10	
C12P 19/14	
(11) EP2301598	
(51) A61M 1/10	
A61M 1/12	
(11) EP2409096	
(51) F25D 19/00	
(11) EP2498610	
(51) A01N 43/78	
A61K 31/425	
(11) EP2571517	
(51) A61K 9/00	
A61K 9/08	
A61K 47/10	
A61K 47/26	
A61K 38/26	
A61K 38/28	
A61K 38/22	
(11) EP2635141	
(00) 14.06.2024	
(51) A23F 5/04	
A23N 12/08	
A47J 31/42	
F26B 17/10	
F26B 21/12	
(00) Established	
(11) EP2772145	
(51) A24D 1/02	
A24C 5/60	
C09C 1/00	
(11) EP3015311	
(51) B60P 7/08	
B60J 5/06	
(11) EP3052731	
(51) E06B 3/663	
E06B 3/673	
(11) EP3308643	
(51) A01M 7/00	
(11) EP3590362	
(51) A24C 5/47	
(11) EP3622813	

VRV

**Verval of nietigverklaring.
Lapse or annulment.**

(11) 1026424 (00) 15.06.2024 (00) Patent Expired	(00) Patent Expired (11) EP1633976 (00) 14.06.2024 (00) Patent Expired	(00) Patent Expired (11) EP1638826 (00) 16.06.2024 (00) Patent Expired
(11) 1026445 (00) 17.06.2024 (00) Patent Expired	(11) EP1633983 (00) 15.06.2024 (00) Patent Expired	(11) EP1638938 (00) 18.06.2024 (00) Patent Expired
(11) 1026463 (00) 18.06.2024 (00) Patent Expired	(11) EP1634006 (00) 14.06.2024 (00) Patent Expired	(11) EP1638999 (00) 15.06.2024 (00) Patent Expired
(11) 1026466 (00) 18.06.2024 (00) Patent Expired	(11) EP1634140 (00) 14.06.2024 (00) Patent Expired	(11) EP1639014 (00) 14.06.2024 (00) Patent Expired
(11) 300568 (00) 17.06.2024 (00) SPC Expired	(11) EP1634253 (00) 15.06.2024 (00) Patent Expired	(11) EP1639021 (00) 18.06.2024 (00) Patent Expired
(11) 300646 (00) 14.06.2024 (00) SPC Expired	(11) EP1634350 (00) 16.06.2024 (00) Patent Expired	(11) EP1639130 (00) 18.06.2024 (00) Patent Expired
(11) EP1488687 (00) 15.06.2024 (00) Patent Expired	(11) EP1634477 (00) 15.06.2024 (00) Patent Expired	(11) EP1639352 (00) 18.06.2024 (00) Patent Expired
(11) EP1488688 (00) 15.06.2024 (00) Patent Expired	(11) EP1634478 (00) 15.06.2024 (00) Patent Expired	(11) EP1639353 (00) 18.06.2024 (00) Patent Expired
(11) EP1488990 (00) 16.06.2024 (00) Patent Expired	(11) EP1634650 (00) 16.06.2024 (00) Patent Expired	(11) EP1639354 (00) 18.06.2024 (00) Patent Expired
(11) EP1489703 (00) 15.06.2024 (00) Patent Expired	(11) EP1635633 (00) 16.06.2024 (00) Patent Expired	(11) EP1641021 (00) 15.06.2024 (00) Patent Expired
(11) EP1491841 (00) 18.06.2024 (00) Patent Expired	(11) EP1635727 (00) 18.06.2024 (00) Patent Expired	(11) EP1641353 (00) 14.06.2024 (00) Patent Expired
(11) EP1495737 (00) 19.06.2024 (00) Patent Expired	(11) EP1635852 (00) 15.06.2024 (00) Patent Expired	(11) EP1641439 (00) 14.06.2024 (00) Patent Expired
(11) EP1522668 (00) 16.06.2024 (00) Patent Expired	(11) EP1636272 (00) 15.06.2024 (00) Patent Expired	(11) EP1641510 (00) 18.06.2024 (00) Patent Expired
(11) EP1577005 (00) 15.06.2024 (00) Patent Expired	(11) EP1636534 (00) 18.06.2024 (00) Patent Expired	(11) EP1641780 (00) 14.06.2024 (00) Patent Expired
(11) EP1607484 (00) 14.06.2024 (00) Patent Expired	(11) EP1636877 (00) 14.06.2024 (00) Patent Expired	(11) EP1641810 (00) 17.06.2024 (00) Patent Expired
(11) EP1607752 (00) 15.06.2024 (00) Patent Expired	(11) EP1638525 (00) 18.06.2024 (00) Patent Expired	(11) EP1641900 (00) 17.06.2024 (00) Patent Expired
(11) EP1607839 (00) 17.06.2024 (00) Patent Expired	(11) EP1638574 (00) 17.06.2024 (00) Patent Expired	(11) EP1642117 (00) 18.06.2024 (00) Patent Expired
(11) EP1609747 (00) 16.06.2024 (00) Patent Expired	(11) EP1638597 (00) 14.06.2024 (00) Patent Expired	(11) EP1642124 (00) 18.06.2024 (00) Patent Expired
(11) EP1632981 (00) 16.06.2024 (00) Patent Expired	(11) EP1638664 (00) 18.06.2024 (00) Patent Expired	(11) EP1644021 (00) 14.06.2024 (00) Patent Expired
(11) EP1632982 (00) 16.06.2024	(11) EP1638751 (00) 14.06.2024	(11) EP1644095 (00) 18.06.2024

(00) Patent Expired	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP1644389	(11) EP2336317	(11) EP2891212
(00) 16.06.2024	(00) 14.06.2024	(00) 14.02.2024
(00) Patent Expired	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP1649243	(11) EP2441767	(11) EP2898096
(00) 14.06.2024	(00) 18.06.2024	(00) 14.02.2024
(00) Patent Expired	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP1651401	(11) EP2515963	(11) EP2910537
(00) 17.06.2024	(00) 14.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1651738	(11) EP2521436	(11) EP2911794
(00) 14.06.2024	(00) 08.03.2024	(00) 14.02.2024
(00) Patent Expired	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP1654263	(11) EP2534233	(11) EP2945312
(00) 18.06.2024	(00) 08.05.2024	(00) 14.02.2024
(00) Patent Expired	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP1656435	(11) EP2586488	(11) EP2960367
(00) 17.06.2024	(00) 16.01.2024	(00) 14.02.2024
(00) Patent Expired	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP1658516	(11) EP2613002	(11) EP2964201
(00) 14.06.2024	(00) 14.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1660614	(11) EP2617983	(11) EP2972724
(00) 17.06.2024	(00) 14.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1676415	(11) EP2624780	(11) EP2978789
(00) 21.11.2018	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1680222	(11) EP2634969	(11) EP2990695
(00) 17.06.2024	(00) 24.04.2024	(00) 26.03.2024
(00) Patent Expired	(00) European Patent got Revoked	(00) European Patent got Revoked
(11) EP1697539	(11) EP2648654	(11) EP2994088
(00) 18.06.2024	(00) 14.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1756533	(11) EP2653878	(11) EP2997733
(00) 14.06.2024	(00) 14.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1785105	(11) EP2693074	(11) EP2999742
(00) 18.06.2024	(00) 14.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1857721	(11) EP2699878	(11) EP3003497
(00) 14.06.2024	(00) 14.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1876088	(11) EP2702179	(11) EP3016326
(00) 16.06.2024	(00) 07.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP2027881	(11) EP2775000	(11) EP3040442
(00) 18.06.2024	(00) 17.06.2024	(00) 14.02.2024
(00) Patent Expired	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP2073685	(11) EP2800962	(11) EP3046774
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2225596	(11) EP2821934	(11) EP3049031
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2264188	(11) EP2841561	(11) EP3063732
(00) 17.06.2024	(00) 12.01.2024	(00) 14.02.2024
(00) Patent Expired	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP2278401	(11) EP2856409	(11) EP3069264
(00) 18.06.2024	(00) 14.02.2024	(00) 14.02.2024
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2293031	(11) EP2857591	(11) EP3073060
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2332921	(11) EP2866393	(11) EP3074638
(00) 16.06.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3077200	(11) EP3159851	(11) EP3229099
(00) 14.02.2024	(00) 14.02.2024	(00) 14.06.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) Patent Expired
(11) EP3088317	(11) EP3170906	(11) EP3230328
(00) 14.02.2024	(00) 17.06.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP3088611	(11) EP3175594	(11) EP3234527
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3090310	(11) EP3178106	(11) EP3239079
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3090384	(11) EP3181948	(11) EP3239456
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3095005	(11) EP3185270	(11) EP3241363
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3103446	(11) EP3187949	(11) EP3244047
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3107580	(11) EP3188252	(11) EP3247121
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108557	(11) EP3189476	(11) EP3247869
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3115860	(11) EP3191430	(11) EP3255071
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3128063	(11) EP3201041	(11) EP3262269
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3136466	(11) EP3205294	(11) EP3262743
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3140384	(11) EP3207880	(11) EP3268529
(00) 14.02.2024	(00) 17.06.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP3141710	(11) EP3209819	(11) EP3274021
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3144530	(11) EP3210693	(11) EP3275313
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3147107	(11) EP3211475	(11) EP3275483
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3147253	(11) EP3220181	(11) EP3278027
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3149777	(11) EP3221528	(11) EP3282902
(00) 14.02.2024	(00) 02.05.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP3155258	(11) EP3222466	(11) EP3285857
(00) 30.04.2024	(00) 14.02.2024	(00) 14.02.2024
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3156099	(11) EP3223682	(11) EP3288336
(00) 12.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3156367	(11) EP3226789	(11) EP3291738
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3159669	(11) EP3227740	(11) EP3292618
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293935	(11) EP3352240	(11) EP3382368
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3294165	(11) EP3352657	(11) EP3382554
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3295017	(11) EP3352768	(11) EP3382993
(00) 14.02.2024	(00) 16.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP3299321	(11) EP3353429	(11) EP3383386
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3307049	(11) EP3353705	(11) EP3383601
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3311018	(11) EP3356171	(11) EP3385974
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3313009	(11) EP3358428	(11) EP3386836
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315379	(11) EP3360336	(11) EP3387027
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3321158	(11) EP3361797	(11) EP3391064
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3321390	(11) EP3363428	(11) EP3391171
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3323608	(11) EP3364229	(11) EP3393396
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP332400	(11) EP3365335	(11) EP3393764
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3332718	(11) EP3365357	(11) EP3393767
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3335432	(11) EP3372996	(11) EP3394342
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3336066	(11) EP3373191	(11) EP3394638
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3336495	(11) EP3375224	(11) EP3395274
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3337816	(11) EP3375443	(11) EP3395873
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3339673	(11) EP3375464	(11) EP3395935
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3340755	(11) EP3376637	(11) EP3399170
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3342945	(11) EP3377080	(11) EP3399859
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3343689	(11) EP3380962	(11) EP3399935
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3351640	(11) EP3381183	(11) EP3401550
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) Patent Expired
(11) EP3403120	(11) EP3442015	(11) EP3471322
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3405048	(11) EP3446129	(11) EP3474441
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3409428	(11) EP3447305	(11) EP3475349
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3410027	(11) EP3449313	(11) EP3475803
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3410121	(11) EP3450722	(11) EP3477724
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3418185	(11) EP3451091	(11) EP3478646
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3423265	(11) EP3451676	(11) EP3479037
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3424159	(11) EP3453795	(11) EP3480838
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3426128	(11) EP3455536	(11) EP3480839
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3428736	(11) EP3456737	(11) EP3482480
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3430990	(11) EP3458083	(11) EP3482724
(00) 14.02.2024	(00) 25.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP3431265	(11) EP3460647	(11) EP3482877
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3431600	(11) EP3461425	(11) EP3484338
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3431772	(11) EP3464818	(11) EP3485303
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3431774	(11) EP3467225	(11) EP3487250
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3431775	(11) EP3467565	(11) EP3488655
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3431776	(11) EP3468808	(11) EP3489191
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3431777	(11) EP3469384	(11) EP3489930
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432783	(11) EP3469898	(11) EP3490098
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432975	(11) EP3470033	(11) EP3492178
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3436907	(11) EP3470503	(11) EP3492411
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3439928	(11) EP3470535	(11) EP3493056
(00) 14.02.2024	(00) 17.06.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3495583	(11) EP3523599	(11) EP3543938
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3495732	(11) EP3523961	(11) EP3544349
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497362	(11) EP3523989	(11) EP3546584
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497733	(11) EP3526158	(11) EP3547425
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497820	(11) EP3527216	(11) EP3548103
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3499754	(11) EP3531674	(11) EP3548756
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3500053	(11) EP3532195	(11) EP3549249
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501565	(11) EP3534120	(11) EP3549574
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501948	(11) EP3534266	(11) EP3549686
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3502681	(11) EP3535865	(11) EP3550125
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3503150	(11) EP3536160	(11) EP3550695
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3507973	(11) EP3536272	(11) EP3550831
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3508109	(11) EP3536441	(11) EP3550956
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3509435	(11) EP3537569	(11) EP3551957
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3510295	(11) EP3537859	(11) EP3554861
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3512607	(11) EP3538497	(11) EP3555932
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3513573	(11) EP3539485	(11) EP3556328
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3516515	(11) EP3539573	(11) EP3557526
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3519910	(11) EP3539734	(11) EP3558549
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3520095	(11) EP3540755	(11) EP3559745
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3521459	(11) EP3543127	(11) EP3559981
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3522007	(11) EP3543359	(11) EP3561867
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3564605	(11) EP3593518	(11) EP3614030
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3564683	(11) EP3594936	(11) EP3617129
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3564965	(11) EP3596726	(11) EP3617187
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3564966	(11) EP3598179	(11) EP3617966
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3565492	(11) EP3600209	(11) EP3618902
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3570040	(11) EP3601944	(11) EP3619206
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3572841	(11) EP3602365	(11) EP3623777
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3573779	(11) EP3602514	(11) EP3624697
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3574942	(11) EP3603241	(11) EP3628076
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3578628	(11) EP3603728	(11) EP3628673
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3579650	(11) EP3604239	(11) EP3628964
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3580625	(11) EP3604537	(11) EP3629228
(00) 14.02.2024	(00) 14.06.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP3580698	(11) EP3605975	(11) EP3629621
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3582204	(11) EP3606434	(11) EP3630021
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3586973	(11) EP3607354	(11) EP3631210
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3587022	(11) EP3609287	(11) EP3631417
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3588127	(11) EP3610361	(11) EP3633937
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3589153	(11) EP3611046	(11) EP3634649
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3591305	(11) EP3611086	(11) EP3635529
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3591917	(11) EP3611341	(11) EP3636124
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3592072	(11) EP3612986	(11) EP3637303
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3592841	(11) EP3613407	(11) EP3637705
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3639590	(11) EP3647666	(11) EP3664087
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3640306	(11) EP3648311	(11) EP3664096
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3640443	(11) EP3648501	(11) EP3664200
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3640692	(11) EP3649495	(11) EP3664271
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3640896	(11) EP3650845	(11) EP3664762
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3640935	(11) EP3651253	(11) EP3667779
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3641000	(11) EP3652640	(11) EP3668430
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3641057	(11) EP3653690	(11) EP3669182
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3641623	(11) EP3654305	(11) EP3669750
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3642174	(11) EP3656297	(11) EP3670345
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3642183	(11) EP3656992	(11) EP3670688
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3643466	(11) EP3657044	(11) EP3670744
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3644277	(11) EP3657668	(11) EP3672249
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3644838	(11) EP3658278	(11) EP3672591
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3645280	(11) EP3658279	(11) EP3673291
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3645351	(11) EP3658344	(11) EP3674386
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3645488	(11) EP3658464	(11) EP3674694
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3645971	(11) EP3658504	(11) EP3674800
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3646304	(11) EP3660070	(11) EP3674808
(00) 14.02.2024	(00) 01.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP3646695	(11) EP3661343	(11) EP3675143
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3646801	(11) EP3662009	(11) EP3676352
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3647578	(11) EP3663848	(11) EP3677769
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3678206	(11) EP3696900	(11) EP3708434
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3678898	(11) EP3697123	(11) EP3709302
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3679087	(11) EP3697750	(11) EP3709439
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3679503	(11) EP3697943	(11) EP3709684
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3682490	(11) EP3698339	(11) EP3709913
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3683417	(11) EP3698367	(11) EP3709999
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3683832	(11) EP3699996	(11) EP3710867
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3684025	(11) EP3700586	(11) EP3711098
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3684296	(11) EP3700642	(11) EP3711122
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3684412	(11) EP3700874	(11) EP3711297
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3684994	(11) EP3701003	(11) EP3711733
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3685549	(11) EP3701338	(11) EP3711821
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3687309	(11) EP3701603	(11) EP3714807
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3687754	(11) EP3702142	(11) EP3714891
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3688479	(11) EP3702275	(11) EP3715343
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3688558	(11) EP3703384	(11) EP3716366
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3689172	(11) EP3703951	(11) EP3717309
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3691751	(11) EP3704696	(11) EP3717523
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3692680	(11) EP3705118	(11) EP3718024
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3696019	(11) EP3705660	(11) EP3718655
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3696195	(11) EP3708310	(11) EP3718885
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3696551	(11) EP3708372	(11) EP3718894
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3718928	(11) EP3734778	(11) EP3750509
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3719472	(11) EP3735507	(11) EP3750806
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3719621	(11) EP3735767	(11) EP3751287
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3721317	(11) EP3736371	(11) EP3752930
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3721733	(11) EP3736410	(11) EP3753121
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3722571	(11) EP3736869	(11) EP3753679
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3723642	(11) EP3737555	(11) EP3755488
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3725052	(11) EP3738184	(11) EP3757864
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3725064	(11) EP3739234	(11) EP3758652
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3725944	(11) EP3739239	(11) EP3759990
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3727653	(11) EP3739632	(11) EP3760687
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3727943	(11) EP3739681	(11) EP3760746
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3727944	(11) EP3741531	(11) EP3760850
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3727963	(11) EP3742575	(11) EP3761652
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3729986	(11) EP3742747	(11) EP3762832
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3730138	(11) EP3744204	(11) EP3763092
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3731106	(11) EP3745838	(11) EP3763119
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3731311	(11) EP3746695	(11) EP3763532
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3731320	(11) EP3746854	(11) EP3763988
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3731332	(11) EP3747607	(11) EP3764411
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3731482	(11) EP3748762	(11) EP3765721
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3731559	(11) EP3750399	(11) EP3765959
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3766202	(11) EP3778213	(11) EP3792452
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3766365	(11) EP3778214	(11) EP3792979
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3766713	(11) EP3778354	(11) EP3793025
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3766858	(11) EP3778506	(11) EP3793268
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3767749	(11) EP3779288	(11) EP3793324
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3768443	(11) EP3779424	(11) EP3793526
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3769630	(11) EP3779643	(11) EP3793953
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3770040	(11) EP3780424	(11) EP3795645
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3771924	(11) EP3780481	(11) EP3795757
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3772510	(11) EP3780716	(11) EP3795812
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3772601	(11) EP3781361	(11) EP3796483
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3772801	(11) EP3781878	(11) EP3796895
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3773028	(11) EP3781896	(11) EP3797310
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3773135	(11) EP3781913	(11) EP3797926
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3773957	(11) EP3782110	(11) EP3798052
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3774361	(11) EP3783326	(11) EP3798099
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3774532	(11) EP3783984	(11) EP3799190
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3775468	(11) EP3787242	(11) EP3799808
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3776659	(11) EP3789655	(11) EP3800185
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3776978	(11) EP3789740	(11) EP3800409
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3777638	(11) EP3791433	(11) EP3800418
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3777757	(11) EP3791654	(11) EP3800537
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3801949	(11) EP3816990	(11) EP3828092
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3802451	(11) EP3817124	(11) EP3828117
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3802656	(11) EP3817457	(11) EP3828742
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3803571	(11) EP3817492	(11) EP3829511
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3804633	(11) EP3818638	(11) EP3832635
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3804634	(11) EP3818955	(11) EP3832684
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3804637	(11) EP3819602	(11) EP3832693
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3805811	(11) EP3820202	(11) EP3834021
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3807089	(11) EP3820735	(11) EP3834762
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3807234	(11) EP3822460	(11) EP3834933
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3809688	(11) EP3822464	(11) EP3835190
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3809778	(11) EP3822498	(11) EP3835205
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3809871	(11) EP3823054	(11) EP3836928
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3811732	(11) EP3823250	(11) EP3837015
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3811750	(11) EP3823871	(11) EP3838585
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3812331	(11) EP3824265	(11) EP3840031
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3812904	(11) EP3824556	(11) EP3840273
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3813379	(11) EP3824827	(11) EP3840369
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3813596	(11) EP3824956	(11) EP3841013
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3814908	(11) EP3825021	(11) EP3841849
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3816439	(11) EP3825065	(11) EP3842203
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3816737	(11) EP3827191	(11) EP3842555
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3842779	(11) EP3852708	(11) EP3863444
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3842917	(11) EP3852966	(11) EP3864268
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3844240	(11) EP3854894	(11) EP3864830
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3845053	(11) EP3855311	(11) EP3865413
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3845054	(11) EP3855713	(11) EP3865561
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3845418	(11) EP3856039	(11) EP3866158
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3846213	(11) EP3856054	(11) EP3867731
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3846235	(11) EP3856298	(11) EP3868270
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3846608	(11) EP3856512	(11) EP3869163
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3847878	(11) EP3856570	(11) EP3869261
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3847950	(11) EP3857218	(11) EP3869417
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3848056	(11) EP3858057	(11) EP3869594
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3848554	(11) EP3859596	(11) EP3869752
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3848635	(11) EP3859728	(11) EP3870041
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3848761	(11) EP3861235	(11) EP3870500
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3848884	(11) EP3861678	(11) EP3872039
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3849870	(11) EP3861802	(11) EP3872763
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3850601	(11) EP3862126	(11) EP3873249
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3850804	(11) EP3862206	(11) EP3873732
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3850959	(11) EP3862343	(11) EP3874156
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3850965	(11) EP3862990	(11) EP3874628
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3851752	(11) EP3863091	(11) EP3874779
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3877677	(11) EP3887933	(11) EP3896264
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3878766	(11) EP3888816	(11) EP3896348
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3879177	(11) EP3888889	(11) EP3896548
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3879697	(11) EP3889443	(11) EP3897027
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3880499	(11) EP3889509	(11) EP3897907
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3880622	(11) EP3889568	(11) EP3899162
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3881997	(11) EP3889770	(11) EP3899246
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3882053	(11) EP3890969	(11) EP3900005
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3882420	(11) EP3891369	(11) EP3901678
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3882647	(11) EP3891472	(11) EP3904647
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3883321	(11) EP3891484	(11) EP3904684
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3883449	(11) EP3891549	(11) EP3904747
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3884889	(11) EP3892424	(11) EP3905538
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3884890	(11) EP3892649	(11) EP3905597
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3885096	(11) EP3893260	(11) EP3906836
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3885881	(11) EP3893283	(11) EP3907705
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3886231	(11) EP3893334	(11) EP3907717
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3886378	(11) EP3893818	(11) EP3907831
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3886503	(11) EP3894847	(11) EP3908755
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3886837	(11) EP3895388	(11) EP3909777
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3887180	(11) EP3895475	(11) EP3911096
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3887480	(11) EP3895689	(11) EP3911120
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3911329	(11) EP3922815	(11) EP3933164
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3912314	(11) EP3922816	(11) EP3933236
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3912575	(11) EP3922926	(11) EP3933466
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3912709	(11) EP3925833	(11) EP3933693
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3912911	(11) EP3926307	(11) EP3933737
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3913225	(11) EP3926350	(11) EP3933810
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3915178	(11) EP3926929	(11) EP3934205
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3915606	(11) EP3928436	(11) EP3934351
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3916195	(11) EP3928604	(11) EP3934385
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3916557	(11) EP3929085	(11) EP3934780
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3916692	(11) EP3929527	(11) EP3935097
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3917256	(11) EP3930158	(11) EP3935421
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3917287	(11) EP3930438	(11) EP3935515
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3918717	(11) EP3930916	(11) EP3935775
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3919297	(11) EP3931030	(11) EP3935814
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3919728	(11) EP3931100	(11) EP3936011
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3920238	(11) EP3931176	(11) EP3936086
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3920288	(11) EP3932095	(11) EP3937050
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3921711	(11) EP3932172	(11) EP3937820
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3922141	(11) EP3932600	(11) EP3938330
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3922411	(11) EP3932877	(11) EP3939477
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3922814	(11) EP3933117	(11) EP3939792
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3939917	(11) EP3948322	(11) EP3956071
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3940345	(11) EP3948544	(11) EP3956969
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3940721	(11) EP3948612	(11) EP3957055
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3940900	(11) EP3949111	(11) EP3958228
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3941487	(11) EP3949270	(11) EP3958504
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3941676	(11) EP3949522	(11) EP3958644
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3941678	(11) EP3949845	(11) EP3958796
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3942306	(11) EP3950407	(11) EP3959492
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3942388	(11) EP3950419	(11) EP3959619
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3942490	(11) EP3950571	(11) EP3960266
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3942880	(11) EP3950602	(11) EP3960630
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3942972	(11) EP3950709	(11) EP3960682
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3942983	(11) EP3951030	(11) EP3960738
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3943006	(11) EP3951810	(11) EP3961216
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3943320	(11) EP3952167	(11) EP3963463
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3943950	(11) EP3952435	(11) EP3964097
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3944450	(11) EP3952602	(11) EP3964695
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3946072	(11) EP3952628	(11) EP3964824
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3946190	(11) EP3954671	(11) EP3965470
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3946954	(11) EP3954973	(11) EP3967160
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3947708	(11) EP3954977	(11) EP3967176
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3947938	(11) EP3955106	(11) EP3967582
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3968618	(11) EP3982009	(11) EP3995426
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3968670	(11) EP3982011	(11) EP3995753
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3969771	(11) EP3982688	(11) EP3995772
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3969772	(11) EP3983687	(11) EP3996240
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3971563	(11) EP3984151	(11) EP3996358
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3971674	(11) EP3984386	(11) EP3996395
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3973197	(11) EP3984780	(11) EP3996904
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3973266	(11) EP3985778	(11) EP3997259
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3974011	(11) EP3985905	(11) EP3998041
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3976185	(11) EP3986346	(11) EP3999415
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3977235	(11) EP3986783	(11) EP3999728
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3977580	(11) EP3986792	(11) EP3999875
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3977677	(11) EP3987450	(11) EP4000489
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3978107	(11) EP3988287	(11) EP4000522
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3978226	(11) EP3988845	(11) EP4001602
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3978282	(11) EP3989013	(11) EP4002946
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3978406	(11) EP3989594	(11) EP4003215
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3978669	(11) EP3989648	(11) EP4003762
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3981053	(11) EP3990885	(11) EP4004951
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3981195	(11) EP3991497	(11) EP4005397
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3981348	(11) EP3993561	(11) EP4005450
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3981573	(11) EP3994907	(11) EP4006440
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4006909	(11) EP4026102	(11) EP4039554
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4009137	(11) EP4027337	(11) EP4039555
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4009555	(11) EP4027457	(11) EP4040421
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4010774	(11) EP4027551	(11) EP4040743
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4011164	(11) EP4028046	(11) EP4040762
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4011751	(11) EP4028243	(11) EP4043299
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4012681	(11) EP4028672	(11) EP4044100
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4012965	(11) EP4029749	(11) EP4044212
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4013568	(11) EP4030120	(11) EP4044329
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4014902	(11) EP4030458	(11) EP4044528
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4015789	(11) EP4030649	(11) EP4044545
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4015848	(11) EP4030876	(11) EP4044606
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4015908	(11) EP4032561	(11) EP4046351
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4016955	(11) EP4033115	(11) EP4046431
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4017430	(11) EP4033575	(11) EP4046770
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4018122	(11) EP4034840	(11) EP4046869
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4020885	(11) EP4035307	(11) EP4047060
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4021316	(11) EP4036002	(11) EP4048855
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4022118	(11) EP4036735	(11) EP4049893
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4022232	(11) EP4037788	(11) EP4050451
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4022446	(11) EP4038294	(11) EP4050556
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4023694	(11) EP4038606	(11) EP4051834
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4051954	(11) EP4065882	(11) EP4081817
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4053377	(11) EP4066730	(11) EP4082193
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4053468	(11) EP4067701	(11) EP4082538
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4053476	(11) EP4068059	(11) EP4082854
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4054036	(11) EP4068518	(11) EP4082897
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4054904	(11) EP4069376	(11) EP4083122
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4055782	(11) EP4069819	(11) EP4083542
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4055812	(11) EP4072482	(11) EP4083958
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4056460	(11) EP4072687	(11) EP4084229
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4056507	(11) EP4072872	(11) EP4084955
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4057394	(11) EP4074970	(11) EP4085676
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4057582	(11) EP4074974	(11) EP4088918
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4057707	(11) EP4074996	(11) EP4088952
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4057864	(11) EP4075099	(11) EP4089239
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4058110	(11) EP4075658	(11) EP4089856
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4059358	(11) EP4077104	(11) EP4090546
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4059359	(11) EP4077791	(11) EP4090929
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4059360	(11) EP4078208	(11) EP4091570
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4059404	(11) EP4080020	(11) EP4091917
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4059748	(11) EP4080231	(11) EP4092163
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4063788	(11) EP4080657	(11) EP4092741
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4064630	(11) EP4081475	(11) EP4094066
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4094569	(11) EP4105535	(11) EP4126527
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4095298	(11) EP4106017	(11) EP4127390
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4095379	(11) EP4106981	(11) EP4127482
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4095476	(11) EP4108488	(11) EP4127633
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4095623	(11) EP4108510	(11) EP4128401
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4096077	(11) EP4108902	(11) EP4128513
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4096117	(11) EP4109183	(11) EP4128514
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4096983	(11) EP4110146	(11) EP4128722
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4097703	(11) EP4111278	(11) EP4129930
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4098141	(11) EP4112053	(11) EP4130656
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4098345	(11) EP4112406	(11) EP4132751
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4098493	(11) EP4113047	(11) EP4133095
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4100302	(11) EP4113052	(11) EP4133512
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4101658	(11) EP4113876	(11) EP4133925
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4101710	(11) EP4115011	(11) EP4134634
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4101712	(11) EP4115098	(11) EP4134848
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4101744	(11) EP4116790	(11) EP4135564
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4102282	(11) EP4120390	(11) EP4136706
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4102476	(11) EP4120639	(11) EP4137326
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4103089	(11) EP4121850	(11) EP4137826
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4103395	(11) EP4125149	(11) EP4138387
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4105451	(11) EP4125794	(11) EP4139131
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4139274	(11) EP4161615	(11) EP4197414
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4139551	(11) EP4162469	(11) EP4202185
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4140818	(11) EP4163650	(11) EP4202472
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4140851	(11) EP4164500	(11) EP4202534
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4141066	(11) EP4166881	(11) EP4203802
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4142131	(11) EP4166935	(11) EP4204527
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4143045	(11) EP4167016	(11) EP4204532
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4143583	(11) EP4167403	(11) EP4204593
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4143653	(11) EP4172559	(11) EP4205799
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4144012	(11) EP4176985	(11) EP4210883
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4144178	(11) EP4177015	(11) EP4212261
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4147332	(11) EP4178456	(11) EP4212418
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4148211	(11) EP4179192	(11) EP4215011
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4148869	(11) EP4181269	(11) EP4223116
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4149890	(11) EP4182731	(11) EP4225569
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4150017	(11) EP4183629	(11) EP4229235
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4151502	(11) EP4183633	(11) EP4230980
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4154758	(11) EP4187583	(11) EP4241141
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4156235	(11) EP4188280	(11) EP4244136
(00) 14.02.2024	(00) 14.02.2024	(00) 14.02.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4157983	(11) EP4189016	
(00) 14.02.2024	(00) 14.02.2024	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4159352	(11) EP4192636	
(00) 14.02.2024	(00) 14.02.2024	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4159416	(11) EP4196713	
(00) 14.02.2024	(00) 14.02.2024	

VRB

**Correcties op eerdere publicaties.
Corrections on earlier publications.**

CO

**Wijzigingen in het Nederlands Octrooiregister.
Changes in the Netherlands Patent Register.**

(71) Stichting BOL IP	Vinnolit GmbH & Co. KG	(73) thyssenkrupp Uhde GmbH
(73) Stichting BOL IP	(73) thyssenkrupp Uhde GmbH	(11) EP2451903
(11) 2004209	Vinnolit GmbH & Co. KG	(00) 07.06.2024
(00) 11.06.2024	(11) EP1828084	(51) C10G 65/00
(51) C30B 15/00	(00) 07.06.2024	(00) Assignment
C30B 28/10	(51) C07C 17/02	<hr/>
C30B 29/06	C07C 19/045	(71) Macfarlan Smith Limited
(00) Assignment	(00) Change of owner(s) name	(73) Macfarlan Smith Limited
<hr/>	<hr/>	(11) EP2880037
(71) N-able Acquisition Company B.V.	(71) AM Conservation Group	(00) 14.06.2024
(73) N-able Acquisition Company B.V.	(73) AM Conservation Group	(51) C07D 489/08
(11) 2011730	(11) EP1841991	(00) Assignment
(00) 13.06.2024	(00) 12.06.2024	<hr/>
(51) G06Q 10/10	(51) F16K 31/00	(71) thyssenkrupp Uhde GmbH
(00) Merge	G05D 23/02	thyssenkrupp AG
<hr/>	(00) Assignment	(73) thyssenkrupp Uhde GmbH
(71) thyssenkrupp Uhde GmbH	(71) NOV International Holdings C.V.	thyssenkrupp AG
Vinnolit GmbH & Co. KG	(73) Grant Prideco, Inc.	(11) EP3454975
(73) thyssenkrupp Uhde GmbH	(11) EP2635766	(00) 07.06.2024
Vinnolit GmbH & Co. KG	(00) 17.06.2024	(51) B01D 53/86
(11) EP1828084	(51) E21B 17/01	C01B 21/38
(00) 07.06.2024	E21B 19/06	(00) Assignment
(51) C07C 17/02	E21B 19/14	<hr/>
C07C 19/045	E21B 19/16	(71) thyssenkrupp Uhde GmbH
(00) Assignment	(00) Assignment	thyssenkrupp AG
<hr/>	<hr/>	(73) thyssenkrupp AG
(71) thyssenkrupp Industrial Solutions AG	(71) ThyssenKrupp Industrial Solutions AG	thyssenkrupp Uhde GmbH
Vinnolit GmbH & Co. KG	(73) thyssenkrupp Uhde GmbH	(11) EP3600588
(73) thyssenkrupp Uhde GmbH	(11) EP2178638	(00) 07.06.2024
Vinnolit GmbH & Co. KG	(00) 07.06.2024	(51) B01D 3/16
(11) EP1828084	(51) B01D 53/86	(00) Assignment
(00) 07.06.2024	B01J 23/86	<hr/>
(51) C07C 17/02	B01J 35/10	(71) thyssenkrupp Uhde GmbH
C07C 19/045	B01J 37/02	(73) thyssenkrupp Uhde GmbH
(00) Change of owner(s) name	(00) Change of Legal Entity	thyssenkrupp AG
<hr/>	<hr/>	(11) EP2794470
(71) ThyssenKrupp Industrial Solutions GmbH	(71) ThyssenKrupp Industrial Solutions GmbH	(00) 07.06.2024
Vinnolit GmbH & Co. KG	(73) thyssenkrupp Uhde GmbH	(51) C01B 21/26
(73) thyssenkrupp Uhde GmbH	(11) EP2178638	C01B 21/28
Vinnolit GmbH & Co. KG	(00) 07.06.2024	F01K 23/06
(11) EP1828084	(51) B01D 53/86	F02C 6/10
(00) 07.06.2024	B01J 23/86	(00) Assignment
(51) C07C 17/02	B01J 35/10	<hr/>
C07C 19/045	B01J 37/02	(71) thyssenkrupp Uhde GmbH
(00) Merge	(00) Merge	thyssenkrupp AG
<hr/>	<hr/>	(73) thyssenkrupp Uhde GmbH
(71) ThyssenKrupp Industrial Solutions AG	(71) thyssenkrupp Industrial Solutions AG	thyssenkrupp AG
Vinnolit GmbH & Co. KG	(73) thyssenkrupp Uhde GmbH	(11) EP3615181
(73) thyssenkrupp Uhde GmbH	(11) EP2178638	(00) 07.06.2024
Vinnolit GmbH & Co. KG	(00) 07.06.2024	(51) B01D 53/18
(11) EP1828084	(51) B01D 53/86	B01D 53/50
(00) 07.06.2024	B01J 23/86	B01D 53/56
(51) C07C 17/02	B01J 35/10	B01D 53/58
C07C 19/045	B01J 37/02	B01D 53/62
(00) Change of Legal Entity	(00) Change of owner(s) name	B01D 53/68
<hr/>	<hr/>	B01D 53/78
(71) thyssenkrupp Uhde GmbH	(71) Grant Prideco, Inc.	C07C 273/14
(73) thyssenkrupp Uhde GmbH	(73) Grant Prideco, Inc.	(00) Assignment
(11) EP2178638	(11) EP2635766	<hr/>
(00) 07.06.2024	(00) 17.06.2024	(71) thyssenkrupp Industrial Solutions AG
(51) B01D 53/86	(51) E21B 17/01	(73) thyssenkrupp Uhde GmbH
B01J 23/86	E21B 19/06	(11) EP2969937
B01J 35/10	E21B 19/14	(00) 07.06.2024
B01J 37/02	E21B 19/16	(51) B01J 23/00
(00) Assignment	(00) Assignment	B01J 23/34
<hr/>	<hr/>	B01J 23/83
(71) ThyssenKrupp Uhde GmbH	(71) thyssenkrupp Uhde GmbH	B01J 23/843
		B01J 23/86

B01J 23/889	C10G 7/08	C07D 413/04
B01J 35/04	C10G 45/58	C07D 413/12
B01J 37/00	C10G 47/02	C07D 417/12
B01J 37/03	C10G 47/22	C07D 471/12
B01J 37/08	(00) Assignment	C07D 487/12
C01B 21/26	(71) HSP Hochspannungsgeräte GmbH	(00) Assignment
C01B 21/28	(73) HSP Hochspannungsgeräte GmbH	(71) Macfarlan Smith Limited
C01B 21/38	(11) EP3329502	(73) Macfarlan Smith Limited
(00) Change of owner(s) name	(00) 10.06.2024	(11) EP3250574
(71) thyssenkrupp Uhde GmbH	(51) G01R 15/18	(00) 14.06.2024
thyssenkrupp AG	H01F 27/28	(51) C07D 489/08
(73) thyssenkrupp AG	H01F 27/32	(00) Assignment
thyssenkrupp Uhde GmbH	H01F 38/30	(71) SciClone Pharmaceuticals International
(11) EP3423432	(00) Assignment	(SG) PTE. LTD.
(00) 07.06.2024	(71) HSP Hochspannungsgeräte GmbH	(73) SciClone Pharmaceuticals International
(51) B01D 11/00	(73) HSP Hochspannungsgeräte GmbH	(SG) PTE. LTD.
B01J 8/04	(11) EP3435493	(11) EP3256150
B01J 10/00	(00) 10.06.2024	(00) 13.06.2024
C07C 273/10	(51) H01B 17/28	(51) A61K 38/22
(00) Assignment	H01B 17/54	A61P 1/04
(71) thyssenkrupp Uhde GmbH	H01R 13/53	A61P 11/00
thyssenkrupp AG	(00) Assignment	A61P 29/00
(73) thyssenkrupp AG	(71) thyssenkrupp Uhde GmbH	A61P 43/00
thyssenkrupp Uhde GmbH	(73) thyssenkrupp Uhde GmbH	(00) Assignment
(11) EP3237105	(11) EP2614033	(71) HPP Solutions ehf.
(00) 07.06.2024	(00) 07.06.2024	(73) HPP Solutions ehf.
(51) B01J 8/02	(51) C01B 3/34	(11) EP3414505
C01B 21/28	C01B 3/38	(00) 14.06.2024
(00) Assignment	C01B 3/48	(51) F26B 3/18
(71) thyssenkrupp Uhde GmbH	F01K 23/10	F26B 3/24
(73) thyssenkrupp Uhde GmbH	(00) Assignment	F26B 17/20
(11) EP2969937	(71) thyssenkrupp Uhde GmbH	F26B 23/00
(00) 07.06.2024	thyssenkrupp AG	(00) Assignment
(51) B01J 23/00	(73) thyssenkrupp AG	(71) NIPPON SANSO HOLDINGS
B01J 23/34	thyssenkrupp Uhde GmbH	CORPORATION
B01J 23/83	(11) EP3172467	(73) TAIYO NIPPON SANSO
B01J 23/843	(00) 07.06.2024	CORPORATION
B01J 23/86	(51) B01J 3/03	(11) EP2589865
B01J 23/889	C01B 21/38	(00) 11.06.2024
B01J 35/04	F01D 11/00	(51) F23C 15/00
B01J 37/00	F01D 11/04	F23C 99/00
B01J 37/03	F01D 25/00	(00) Change of owner(s) name
B01J 37/08	F04F 5/20	(71) TAIYO NIPPON SANSO
C01B 21/26	F16J 15/44	CORPORATION
C01B 21/28	F16J 15/447	(73) TAIYO NIPPON SANSO
C01B 21/38	(00) Assignment	CORPORATION
(00) Assignment	(71) thyssenkrupp Uhde GmbH	(11) EP2589865
(71) thyssenkrupp Uhde GmbH	thyssenkrupp AG	(00) 11.06.2024
Vinnolit GmbH & Co. KG	(73) thyssenkrupp AG	(51) F23C 15/00
(73) thyssenkrupp Uhde GmbH	thyssenkrupp Uhde GmbH	F23C 99/00
Vinnolit GmbH & Co. KG	(11) EP3365276	(00) Assignment
(11) EP2788307	(00) 07.06.2024	(71) HSP Hochspannungsgeräte GmbH
(00) 07.06.2024	(51) B01D 53/56	(73) HSP Hochspannungsgeräte GmbH
(51) B01D 3/00	C01B 21/26	(11) EP3224630
B01D 3/14	C01B 21/40	(00) 10.06.2024
C07C 17/25	(00) Assignment	(51) G01R 31/14
C07C 17/383	(71) Macfarlan Smith Limited	G01R 31/62
C07C 19/045	(73) Macfarlan Smith Limited	H02M 1/00
C07C 21/06	(11) EP3154967	G01R 31/327
(00) Assignment	(00) 14.06.2024	(00) Assignment
(71) thyssenkrupp Uhde GmbH	(51) C07C 39/00	(71) thyssenkrupp Uhde GmbH
(73) thyssenkrupp Uhde GmbH	C07D 209/52	(73) thyssenkrupp Uhde GmbH
(11) EP2406349	C07D 215/22	(11) EP2178611
(00) 07.06.2024	C07D 239/88	(00) 07.06.2024
(51) B01D 3/14	C07D 241/04	(51) B01D 3/40
C07C 4/18	C07D 275/06	C07C 7/08
C07C 15/06	C07D 311/06	C07C 15/04

C07C 15/06	(51) F01K 23/10	(00) Change of owner(s) name
C07C 15/08	F01K 13/02	(71) HPP Solutions ehf.
C10G 7/08	F01K 17/04	(73) HPP Solutions ehf.
(00) Assignment	F02C 3/34	(11) EP3535534
(71) Sound Vaccine, Inc.	(00) Assignment	(00) 14.06.2024
(73) Sound Vaccine, Inc.	(71) thyssenkrupp Uhde GmbH	(51) F26B 3/20
(11) EP2070497	thyssenkrupp AG	F26B 3/24
(00) 13.06.2024	(73) thyssenkrupp Uhde GmbH	F26B 17/18
(51) A61B 5/12	thyssenkrupp AG	F26B 21/10
A61F 11/00	(11) EP3390354	F26B 23/00
(00) Assignment	(00) 07.06.2024	F26B 25/00
(71) MEWA Textil-Service SE & Co.	(51) C01B 3/02	(00) Assignment
Management OHG	C01C 1/04	
Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	C07C 273/10	
(73) MEWA Textil-Service SE & Co.	(00) Assignment	
Management OHG	(71) thyssenkrupp Uhde GmbH	
Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	thyssenkrupp AG	
(11) EP3327627	(73) thyssenkrupp Uhde GmbH	
(00) 11.06.2024	thyssenkrupp AG	
(51) G06V 10/25	(11) EP3516179	
(00) Change of Legal Entity	(00) 07.06.2024	
(71) thyssenkrupp Uhde GmbH	(51) F01K 23/10	
thyssenkrupp AG	(00) Assignment	
(73) thyssenkrupp AG	(71) HSP Hochspannungsgeräte GmbH	
thyssenkrupp Uhde GmbH	(73) HSP Hochspannungsgeräte GmbH	
(11) EP3488028	(11) EP3706145	
(00) 07.06.2024	(00) 10.06.2024	
(51) C25B 1/00	(51) H01B 17/00	
C25B 9/18	H01B 17/28	
C25B 15/08	G01K 11/32	
(00) Assignment	H01F 27/04	
(71) HPP Solutions ehf.	G01R 15/24	
(73) HPP Solutions ehf.	(00) Assignment	
(11) EP3155341	(71) North Atlantic Imports, LLC	
(00) 14.06.2024	(73) North Atlantic Imports, LLC	
(51) F26B 3/24	(11) EP3845099	
F26B 17/20	(00) 11.06.2024	
F26B 23/10	(51) A47J 37/06	
F26B 23/04	A47J 37/07	
(00) Assignment	(00) Assignment	
(71) thyssenkrupp Uhde GmbH	(71) HPP Solutions ehf.	
thyssenkrupp AG	(73) HPP Solutions ehf.	
(73) thyssenkrupp AG	(11) EP3535535	
thyssenkrupp Uhde GmbH	(00) 14.06.2024	
(11) EP3309124	(51) F26B 3/20	
(00) 07.06.2024	F26B 3/24	
(51) B01D 53/86	F26B 11/16	
C01B 21/26	F26B 17/24	
C01B 21/28	F26B 17/28	
C01B 21/38	F26B 23/00	
(00) Assignment	(00) Assignment	
(71) MITSUBISHI HEAVY INDUSTRIES, LTD.	(71) NV Bekaert SA	
MHI Engineering, Ltd.	(73) NV Bekaert SA	
(73) MITSUBISHI HEAVY INDUSTRIES, LTD.	(11) EP3824485	
(11) EP3916207	(00) 11.06.2024	
(00) 10.06.2024	(51) H01F 6/06	
(51) F01K 23/10	H01F 41/04	
F01K 13/02	H01F 41/07	
F01K 17/04	H01B 12/16	
F02C 3/34	(00) Assignment	
(00) Change of owner(s) name	(71) Cancer Research Technologies LLC	
(71) MITSUBISHI HEAVY INDUSTRIES, LTD.	(73) Cancer Research Technologies LLC	
(73) MITSUBISHI HEAVY INDUSTRIES, LTD.	(11) EP2968346	
(11) EP3916207	(00) 10.06.2024	
(00) 10.06.2024	(51) C07D 277/06	
	A61K 31/425	
	A61P 35/00	

TVH

**Topografieën van halfgeleiderproducten.
Depots of topographies of semi-conductor products.**

UP1

**Europese octrooien met geregistreerde eenheidswerking.
European patents with registered Unitary Effect.**

(11) EP3601525	(11) EP3583395	(11) EP4123090
(11) EP3988916	(11) EP3775515	(11) EP3634753
(11) EP2903751	(11) EP3733682	(11) EP3995642
(11) EP3512472	(11) EP3844107	(11) EP3972149
(11) EP3514479	(11) EP3765272	(11) EP4114248
(11) EP3442549	(11) EP3818691	(11) EP4158356
(11) EP3441356	(11) EP3861272	(11) EP4136206
(11) EP4085059	(11) EP3588173	(11) EP4216980
(11) EP3262065	(11) EP3599884	(11) EP4032670
(11) EP3563190	(11) EP3611895	(11) EP4026771
(11) EP3874273	(11) EP3870841	(11) EP4033421
(11) EP4036357	(11) EP3819446	(11) EP4101768
(11) EP2877946	(11) EP3689399	(11) EP4105418
(11) EP3409362	(11) EP3832023	(11) EP3109360
(11) EP3135631	(11) EP4008947	(11) EP3094498
(11) EP3102220	(11) EP3937624	(11) EP3433434
(11) EP3414000	(11) EP4004383	(11) EP3310905
(11) EP3852677	(11) EP4074147	(11) EP3491582
(11) EP3383303	(11) EP3939755	(11) EP4296949
(11) EP3421530	(11) EP3853673	(11) EP2917719
(11) EP3336384	(11) EP3729008	(11) EP3446242
(11) EP3321934	(11) EP3651800	(11) EP3704274
(11) EP3443360	(11) EP3727630	(11) EP3755467
(11) EP3577281	(11) EP4116566	(11) EP3614697
(11) EP4096117	(11) EP3717915	(11) EP3212717
(11) EP3370435	(11) EP3841046	(11) EP3149471
(11) EP3585328	(11) EP3533684	(11) EP3322281
(11) EP4114997	(11) EP3524130	(11) EP3796805
(11) EP2809526	(11) EP3735456	(11) EP3671488
(11) EP2642315	(11) EP3860545	(11) EP3423812
(11) EP2911669	(11) EP3892671	(11) EP3820399
(11) EP3665420	(11) EP3900082	(11) EP3729853
(11) EP3609422	(11) EP3950123	(11) EP3925051
(11) EP3105710	(11) EP3831216	(11) EP4003025
(11) EP3390063	(11) EP4145161	(11) EP4076863
(11) EP3400445	(11) EP4183447	(11) EP4098818
(11) EP3231784	(11) EP4100380	(11) EP3932506
(11) EP3422222	(11) EP4164723	(11) EP3981984
(11) EP3427962	(11) EP4173020	(11) EP3603574
(11) EP3681468	(11) EP4222856	(11) EP3476345
(11) EP3600122	(11) EP3730012	(11) EP3615703
(11) EP3641954	(11) EP3725349	(11) EP3601710
(11) EP3608859	(11) EP3848815	(11) EP3609661
(11) EP3516313	(11) EP3992521	(11) EP3858050
(11) EP3551093	(11) EP3905442	(11) EP3531418
(11) EP3509101	(11) EP3908304	(11) EP3534624
(11) EP3506976	(11) EP4100286	(11) EP3569282
(11) EP3643325	(11) EP3921377	(11) EP4084799
(11) EP3794690	(11) EP3989772	(11) EP4100177
(11) EP3669169	(11) EP4025101	(11) EP4146150
(11) EP3880053	(11) EP4028482	(11) EP4079997
(11) EP3508200	(11) EP4028001	(11) EP2964403
(11) EP3628250	(11) EP4082764	(11) EP2984843
(11) EP3486415	(11) EP4041358	(11) EP3693136
(11) EP3746827	(11) EP3960885	(11) EP3801876
	(11) EP3863328	(11) EP3442550

(11) EP3600212	(11) EP4010467	(11) EP3946427
(11) EP3898464	(11) EP3998338	(11) EP3983679
(11) EP3884667	(11) EP3858829	(11) EP3899605
(11) EP3895795	(11) EP3497453	(11) EP3957600
(11) EP3808169	(11) EP3844013	(11) EP4037551
(11) EP3826074	(11) EP3796731	(11) EP4037554
(11) EP3931156	(11) EP3840002	(11) EP4240820
(11) EP4008085	(11) EP4032990	(11) EP4131012
(11) EP3984028	(11) EP3982044	(11) EP3940574
(11) EP4075956	(11) EP4159078	(11) EP3968071
(11) EP4073056	(11) EP4023899	(11) EP3982242
(11) EP3862517	(11) EP4114753	(11) EP4195720
(11) EP3744139	(11) EP4136207	(11) EP3961324
(11) EP3897284	(11) EP3950839	(11) EP4179238
(11) EP3859425	(11) EP4058244	(11) EP3577882
(11) EP3992475	(11) EP3724273	(11) EP4257404
(11) EP4199418	(11) EP4076606	(11) EP4123092
(11) EP4198253	(11) EP4182513	(11) EP4213566
(11) EP4118321	(11) EP4120133	(11) EP3589455
(11) EP4114746	(11) EP3780376	(11) EP3834404
(11) EP4138641	(11) EP2825375	(11) EP4075629
(11) EP4146357	(11) EP3114809	(11) EP3916285
(11) EP4193133	(11) EP3939415	(11) EP3976598
(11) EP4213631	(11) EP4169242	(11) EP4113048
(11) EP4210624	(11) EP3389912	(11) EP4146872
(11) EP4095056	(11) EP3449648	(11) EP4240180
(11) EP3859154	(11) EP3515931	(11) EP3908273
(11) EP3875781	(11) EP3733958	(11) EP4258160
(11) EP3777848	(11) EP3428364	(11) EP4134185
(11) EP3912046	(11) EP3792587	(11) EP4296967
(11) EP3823261	(11) EP3444776	(11) EP4278849
(11) EP4012146	(11) EP3788210	(11) EP3880591
(11) EP4078600	(11) EP3616296	(11) EP4012064
(11) EP4100224	(11) EP3598569	(11) EP3905900
(11) EP4097057	(11) EP3765211	(11) EP3926339
(11) EP4130867	(11) EP4168382	(11) EP4171275
(11) EP4129137	(11) EP4151115	(11) EP4201365
(11) EP4116969	(11) EP3999813	(11) EP4295196
(11) EP4194064	(11) EP3845046	(11) EP3764053
(11) EP4202250	(11) EP3866606	(11) EP2953874
(11) EP4294692	(11) EP3880421	(11) EP3174903
(11) EP4139106	(11) EP3818394	(11) EP3190886
(11) EP4104973	(11) EP3575702	(11) EP3184924
(11) EP3195548	(11) EP4067287	(11) EP3184079
(11) EP3557603	(11) EP4056717	(11) EP3397179
(11) EP4144785	(11) EP4119880	(11) EP3349040
(11) EP3707389	(11) EP4215699	(11) EP3494588
(11) EP4153003	(11) EP3688377	(11) EP3203473
(11) EP3681326	(11) EP3732380	(11) EP3291518
(11) EP3633869	(11) EP3897388	(11) EP3420542
(11) EP3729708	(11) EP3880037	(11) EP3478360
(11) EP3665718	(11) EP4051151	(11) EP3545122
(11) EP3827928	(11) EP3906335	(11) EP3498912
(11) EP3772261	(11) EP3871627	(11) EP3499351
(11) EP3126733	(11) EP3742601	(11) EP3483421
(11) EP3419716	(11) EP3818661	(11) EP3523801
(11) EP3723585	(11) EP3849709	(11) EP3366336
(11) EP3171834	(11) EP3682778	(11) EP3438681
(11) EP3646855	(11) EP3896953	(11) EP3578088
(11) EP3778460	(11) EP3931496	(11) EP3565837
(11) EP4047759	(11) EP3810686	(11) EP3631421
(11) EP3986130	(11) EP3870917	(11) EP3619309

(11) EP3625837	(11) EP4198393	(11) EP4090903
(11) EP3634828	(11) EP4033871	(11) EP3964058
(11) EP3578655	(11) EP4090468	(11) EP3851871
(11) EP3687806	(11) EP4107132	(11) EP3848874
(11) EP3672831	(11) EP4142548	(11) EP4091608
(11) EP3596543	(11) EP4126237	(11) EP3920557
(11) EP3700880	(11) EP4125368	(11) EP3971127
(11) EP3700727	(11) EP4146897	(11) EP4079505
(11) EP3701534	(11) EP3973015	(11) EP3974022
(11) EP3675841	(11) EP4164840	(11) EP4026976
(11) EP3539495	(11) EP4179318	(11) EP4126470
(11) EP3726137	(11) EP4087516	(11) EP4126656
(11) EP3739452	(11) EP4214522	(11) EP4138609
(11) EP3825283	(11) EP4200129	(11) EP4142547
(11) EP3784602	(11) EP4163000	(11) EP4157577
(11) EP3762049	(11) EP4001781	(11) EP4179585
(11) EP3759055	(11) EP4089019	(11) EP4196177
(11) EP3797270	(11) EP4094575	(11) EP4107038
(11) EP3922509	(11) EP4099525	(11) EP4226109
(11) EP3820825	(11) EP4122641	(11) EP4217513
(11) EP3852609	(11) EP4148311	(11) EP4047157
(11) EP3856967	(11) EP4159956	(11) EP4115785
(11) EP3863701	(11) EP4162943	(11) EP4299046
(11) EP3856049	(11) EP4274951	(11) EP4237650
(11) EP3877082	(11) EP4153369	(11) EP4232324
(11) EP4054475	(11) EP4255313	(11) EP4228605
(11) EP3860546	(11) EP4212011	(11) EP3556724
(11) EP3899423	(11) EP3205095	(11) EP3548216
(11) EP3712830	(11) EP3186564	(11) EP3450286
(11) EP3844075	(11) EP3320706	(11) EP3557602
(11) EP3880190	(11) EP3389454	(11) EP3636159
(11) EP3888366	(11) EP3397431	(11) EP3483341
(11) EP3899990	(11) EP3522831	(11) EP3589603
(11) EP3686505	(11) EP3652336	(11) EP3695300
(11) EP3719764	(11) EP3827616	(11) EP3729216
(11) EP3731490	(11) EP3586020	(11) EP3682884
(11) EP3741270	(11) EP3673670	(11) EP3708735
(11) EP3772787	(11) EP3710197	(11) EP3644511
(11) EP3816813	(11) EP3727359	(11) EP3812712
(11) EP3819215	(11) EP3675743	(11) EP3794904
(11) EP3937593	(11) EP3676190	(11) EP3824584
(11) EP3911912	(11) EP3719165	(11) EP3843584
(11) EP3969655	(11) EP3604959	(11) EP3843834
(11) EP4158216	(11) EP3740925	(11) EP3807533
(11) EP3993921	(11) EP3662749	(11) EP3925802
(11) EP3977479	(11) EP3712740	(11) EP3842646
(11) EP3983742	(11) EP3781586	(11) EP3977489
(11) EP4027938	(11) EP3784295	(11) EP4172572
(11) EP4034308	(11) EP3827217	(11) EP3966551
(11) EP3951968	(11) EP3700798	(11) EP4057972
(11) EP4064990	(11) EP3787800	(11) EP4066217
(11) EP4042135	(11) EP3693334	(11) EP4028688
(11) EP4050705	(11) EP3872476	(11) EP4073847
(11) EP3868348	(11) EP3741820	(11) EP3990221
(11) EP4083326	(11) EP3739580	(11) EP4101888
(11) EP3913336	(11) EP3789087	(11) EP4134883
(11) EP4092241	(11) EP3821993	(11) EP3978304
(11) EP4098404	(11) EP3912047	(11) EP4000952
(11) EP3944789	(11) EP3937927	(11) EP4158472
(11) EP3957884	(11) EP3931990	(11) EP4150204
(11) EP3978354	(11) EP3999725	(11) EP4107406
(11) EP3978700	(11) EP4004690	(11) EP4182679

(11) EP4096093	(11) EP3884857
(11) EP4183971	(11) EP3976508
(11) EP4074523	(11) EP4199857
(11) EP4251467	(11) EP3962816
(11) EP2619566	(11) EP4014749
(11) EP3000150	(11) EP3875066
(11) EP3374863	(11) EP3913343
(11) EP3282603	(11) EP3967810
(11) EP3223022	(11) EP4166489
(11) EP3342791	(11) EP3995436
(11) EP3457413	(11) EP4128714
(11) EP3499879	(11) EP4208651
(11) EP3552656	(11) EP4159141
(11) EP3518244	(11) EP4068663
(11) EP3687463	(11) EP4300410
(11) EP3666048	(11) EP4239868
(11) EP3718261	(11) EP4131523
(11) EP3511908	(11) EP4198758
(11) EP3798013	(11) EP4292774
(11) EP3632522	(11) EP4295057
(11) EP3821681	(11) EP4291792
(11) EP3853286	(11) EP2685306
(11) EP3768661	(11) EP3194700
(11) EP3902968	(11) EP3793169
(11) EP3822383	(11) EP3633959
(11) EP3845517	(11) EP3794711
(11) EP3897163	(11) EP3733996
(11) EP3926313	(11) EP3949436
(11) EP4122107	(11) EP4117480
(11) EP3962691	(11) EP4176242
(11) EP3942852	
(11) EP4007781	
(11) EP4010204	
(11) EP4042057	
(11) EP3819984	
(11) EP3998525	
(11) EP3982569	
(11) EP4027578	
(11) EP4065408	
(11) EP4136375	
(11) EP4132344	
(11) EP4146116	
(11) EP4181707	
(11) EP4178916	
(11) EP4171929	
(11) EP4193121	
(11) EP4160036	
(11) EP4174838	
(11) EP4145208	
(11) EP4060558	
(11) EP4087234	
(11) EP4279518	
(11) EP4106268	
(11) EP4108680	
(11) EP4160849	
(11) EP4312702	
(11) EP4285042	
(11) EP3081973	
(11) EP3874809	
(11) EP3829416	
(11) EP3823879	
(11) EP3757509	

UP2

Europese octrooien met geregistreerd verzoek ex. artikel 52a Rijsoctrooiwet 1995 (herstel recht op validatie).

European patents with registered request ex Article 52a NL Patent Law 1995 (restoration of validation right).

UP3

Europese octrooien met een geaccepteerd verzoek ex. artikel 52a Rijsoctrooiwet 1995 (herstel recht op validatie) en complete validatie.

European patents with accepted ex Article 52a NL Patent Law 1995 (restoration of validation right) and validation completed.

UP4

Europese octrooien met een geaccepteerd verzoek ex. artikel 52a Rijsoctrooiwet 1995 (herstel recht op validatie) en geen complete validatie.

European patents with accepted request ex Article 52a NL Patent Law 1995 (restoration of validation right) and incomplete validation.

UP5

Europese octrooien met een afgewezen verzoek ex. artikel 52a Rijsoctrooiwet 1995 (herstel recht op validatie).

European patents with rejected request ex Article 52a NL Patent Law 1995 (restoration of validation right).

UP6

Europese octrooien met een ingetrokken verzoek ex. artikel 52a Rijsoctrooiwet 1995 (herstel recht op validatie).

European patents with withdrawn request ex Article 52a NL Patent Law 1995 (restoration of validation right).

Orde van Octrooigemachtigden / Netherlands Institute of Patent Attorneys

**Inschrijvingen en uitschrijvingen ex art. 27 lid 5 Uitvoeringsbesluit van de Rijsoctrooiwet 1995.
Registrations and deregistrations ex Article 27 par. 5 Patent Rules of the NL Patent Law 1995.**