



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

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Bezoekadres: **Octrooicentrum Nederland**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadres

Postbus 10366

2501 HJ Den Haag

Telefoon: 088-0426656

Bankrekeningnummer:

Voor taksen en depotrekeningen:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

Introduction

Patent Bulletin

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

Official Journal

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

Subscription rates per calendar year:

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

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Prinses Beatrixlaan 2

2595 AL Den Haag

Postadress

Post Office Box: 10366

2501 HJ Den Haag

Telephone: +31(0)88 0426656

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Rubriek MED Bevat gegevens betreffende overige mededelingen.	216Heading MED Contains data concerning other communications.	216
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Overzicht van Inid codes

INID CODES

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

- (11) Octrooinummer
- (13) Soort document volgens WIPO standaard 16
- (15) Correctie informatie
- (21) Octrooiaanvraagnummer
- (22) Datum van indiening
- (23) Datum tentoonstelling
- (25) Taal van indiening
- (26) Taal waarin de aanvraag is gepubliceerd
- (30) Voorranggegevens
- (31) Nummer voorrang
- (32) Datum voorrang
- (33) Land van herkomst voorrang
- (34) Oorspronkelijk land van indiening
- (40) Datum van inschrijving
- (41) Datum van inschrijving van een octrooiaanvraag
- (42) Datum van inschrijving van een onderzochte aanvraag (openbaarmaking)
- (43) Datum waarop de aanvraag ter inzage is gelegd

INID CODES

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

- (11) 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 application(s)
- (23) Date of exhibition
- (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 indentifying the national patent office allotting the priority application number or the organization allotting the regional priority application number: for international applications filed under the PCT, the code "WO" is used.
- (34) For priority fillings under the regional or international arrangements, the WIPO Standard ST.3 Code indentifying at least one country party to the Paris Union for which the regional or international application was made.
- (40) 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) Date of publication by printing or similar process of anexamined document on which no grant has taken place on or before said date

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

Rubrieken/Headings

NP1

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

(51) A01B 39/18	E04D 11/00	(54) DEVICE AND METHOD FOR FEEDING
A01D 34/00	(21) 2026769	FRIES INTO TANK AND DISCHARGING
(21) 2027024	(22) 26.10.2020	ADULT FISH OUT OF TANK FROM
(22) 02.12.2020	(54) Gebouw of constructie voorzien van	SIDE OF AQUACULTURE WORK BOAT
(54) An Economical Garden Greening &	een systeem bevattende een middel	(71) Fishery Machinery and Instrument
Maintenance Device	voor het vasthouden van grond voor	Research Institute, Chinese Academy of
(71) Xi Wang	een vegetatiedak , dak voorzien van	Fishery Sciences
(74) dr. R.C. van Duijvenbode c.s.	een systeem bevattende een middel	(74) ir. M.B. Plaggenborg
(72) Huimin Wang	voor het vasthouden van grond voor	(72) Mingchao Cui
Yong Zhao	een vegetatiedak, systeem bevattende	Chuntao Zhang
Hu Xinting	een middel voor het vasthouden van	Qingwei Wang
Guangzhen Wu	grond voor een vegetatiedak , middel	(31) 202210042914.9
Bin Chen	voor het vasthouden van grond voor een	(32) 14.01.2022
Yaliang Li	vegetatiedak.	(33) China
Dongling Guo	(71) Alphons Maria van Heugten	(51) A01K 61/10
Liu Haitao	Eric Petrus van Heugten	A01K 63/04
Xi Wang	(74) dr. J. van Straaten	B63B 35/26
Yongyou Han	(72) Alphons Maria van Heugten	(21) 2031511
(31) 202011148391.3	Eric Petrus van Heugten	(22) 05.04.2022
(32) 23.10.2020	(41) 17.06.2022	(54) A SHIP-BORNE CABIN AQUACULTURE
(33) China	(51) A01G 17/00	OXYGENATION SYSTEM
(51) A01B 47/00	A01G 2/00	(71) Fishery Machinery and Instrument
A01M 21/04	(21) 2028694	Research Institute, Chinese Academy of
(21) 2026756	(22) 11.07.2021	Fishery Sciences
(22) 23.10.2020	(54) METHOD FOR RAPID FORMATION OF	(74) ir. M.B. Plaggenborg
(54) Method and system of processing soil	YOUNG APPLE TREES GRAFTED ON	(72) Wenchao Huang
containing plant material, such as roots	DWARF STOCKS	Jianxun Li
of invasive plant species, to inactivate the	(71) Shandong Institute of Pomology	Wenyun Huang
plant material in the soil	(74) dr. T. Wittop Koning PhD	(31) 202210013347.4
(71) Hannover Milieu- en Veiligheidstechniek	(72) Haibo Wang	(32) 06.01.2022
B.V.	Xiaowen He	(33) China
(74) dr. ir. G.J.C. Verdijk c.s.	Yuansheng Chang	(51) A01K 61/60
(72) Marcus Lambertus Josephus van den	Sen Wang	A01K 61/65
Brand	Linguang Li	(21) 2031378
Jacques Arnoldus Wilhelmus Maria	Ping He	(22) 22.03.2022
Rossum	(41) 16.06.2022	(54) MOUNTING STRUCTURE FOR NET
Theodorus Johannus Vendrig	(31) 202110687339.3	COVER FOR FISH SUCTION RAFT OF
(41) 17.06.2022	(32) 22.06.2021	AQUACULTURE VESSEL
(51) A01G 13/00	(33) China	(71) Fishery Machinery and Instrument
A01G 2/10	(51) A01K 5/01	Research Institute, Chinese Academy of
A01G 24/28	A01K 9/00	Fishery Sciences
A01G 24/12	(21) 2026765	(74) ir. M.B. Plaggenborg
(21) 2029569	(22) 26.10.2020	(72) Zhiqiang Xu
(22) 29.10.2021	(54) A suspension system for a feeding	Yaoming Zhang
(54) METHOD FOR CUTTING SEEDLING-	system for cattle	Liquan Lin
RAISING OF MONOCHASMA	(71) Wennemars B.V.	Zhixin Shen
SAVATIERI	(74) mr. ir. J. van Breda c.s.	(31) 202110782747.7
(71) YICHUN BINGCHEN AGRICULTURAL	(72) Reinetta Marie Geertruida Wennemars-	(32) 12.07.2021
TECHNOLOGY DEVELOPMENT Co.,	Gerritsen	(33) China
Ltd.	Dirk Jan Wennemars	(51) A01K 61/60
(74) ir. M.B. Plaggenborg	(41) 17.06.2022	A01K 61/65
(72) Weiyan Li	(51) A01K 61/10	(21) 2031457
(31) 202011216563.6	A01K 61/95	(22) 30.03.2022
(32) 04.11.2020	B63B 35/26	(54) SELF-ELEVATING NET CAGE
(33) China	(21) 2031510	CULTURE PLATFORM AND METHOD
(51) A01G 9/033	(22) 05.04.2022	

(71) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences	(32) 18.01.2022 (33) China	Rong Long Meini Wang Chong Wang
(74) ir. M.B. Plaggenborg	(51) A01K 63/04	(31) 202011152976.2
(72) Jing Wang	(21) 2031509	(32) 26.10.2020
Suoxian Yang	(22) 05.04.2022	(33) China
Mingchao Cui	(54) SYSTEM AND METHOD FOR REMOVING SEWAGE FROM SURFACE	(51) A41B 11/00
Yao Lin	OF AQUACULTURE WATER TANK	D06F 95/00
(31) 202210034862.0	SUITABLE FOR AQUACULTURE SHIP	(21) 1043830
(32) 13.01.2022	(71) Fishery Machinery and Instrument	(22) 29.10.2020
(33) China	Research Institute, Chinese Academy of	(54) Textiele voet- en/of beenbedekkers, zoals kousen of sokken, voorzien van onderlinge koppelmiddelen
(51) A01K 61/80	Fishery Sciences	(71) Mike Frederik Jeroen Meijer
(21) 2031506	(74) ir. M.B. Plaggenborg	(72) Mike Frederik Jeroen Meijer
(22) 05.04.2022	(72) Zhixin Shen	(41) 21.06.2022
(54) AQUACULTURE MANAGEMENT FEEDING PLATFORM	Xinying Zhao	(51) A47B 88/49
(71) Fishery Machinery and Instrument	Wenchao Huang	(21) 2026777
Research Institute, Chinese Academy of	Wenyun Huang	(22) 27.10.2020
Fishery Sciences	(31) 202210065489.5	(54) TELESCOPIC LINEAR GUIDE
(74) ir. M.B. Plaggenborg	(32) 20.01.2022	(71) Prodrive Technologies Innovation Services B.V.
(72) Chencheng Zhu	(33) China	(74) M. Gilio
Bin Zhang	(51) A01M 21/04	(72) Ronald Johannes Cornelis van Bommel Tom Cornelis Snijders
Jing Wang	(21) 2026770	(41) 21.06.2022
(31) 20211177174.1	(22) 26.10.2020	(51) A47C 27/14
(32) 09.10.2021	(54) Werkwijze voor toediening van een medium	A47C 27/15
(33) China	(71) H. Harinck Beheer B.V.	A47C 31/12
(51) A01K 61/80	(74) ir. F.E. Hoeben	(21) 2026708
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(22) 28.05.2021	(21) 2026786	(71) Maxtrass B.V.
(54) AQUACULTURE POND MASKING AND FEEDING SYSTEM	(22) 28.10.2020	(74) drs. P.A. van Essen c.s.
(71) Heilongjiang River Fisheries Research institute, Chinese Academy of Fishery Sciences	(54) Werkwijze en systeem voor het afdoden van ongewenste uitheemse planten	(72) Willem Leonard Frits Treffers
(74) dr. T. Wittop Koning PhD	(71) Dennis Mathijs Hermanus Geraerts	(41) 16.06.2022
(72) Shuyan Bai	(74) ir. A. Blokland c.s.	(51) A47G 21/18
Qirui Hao	(72) Dennis Mathijs Hermanus Geraerts	A23L 33/105
Shizhan Tang	(41) 21.06.2022	A23L 33/185
Lei Gao	(51) A01M 21/04	(21) 2027939
Zhongxiang Chen	(21) 2026772	(22) 08.04.2021
Peng Wang	(54) Toedienlans	(54) EDIBLE FRUCTUS LYCII STRAW AND PROCESSING METHOD THEREOF
Dongli Qin	(71) H. Harinck Beheer B.V.	(71) Qilu University of Technology
Ningning Du	(74) ir. F.E. Hoeben	(74) dr. R.C. van Duijvenbode c.s.
Chenhui Li	(72) Hendrik Harinck	(72) Bin Yu
Song Wu	(51) A01M 21/04	Hao Liu
(41) 16.06.2022	(21) 2026771	Zheng Zhang
(31) 202110396437.1	(22) 26.10.2020	Bo Cui
(32) 13.04.2021	(54) Toedienautomaat	Haiteng Tao
(33) China	(71) H. Harinck Beheer B.V.	(31) 202011160155.3
(51) A01K 61/80	(74) ir. F.E. Hoeben	(32) 27.10.2020
B65G 53/24	(72) Hendrik Harinck	(33) China
B65G 53/36	(51) A23J 3/16	(51) A61B 1/12
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(21) 2031508	(21) 2029200	(71) UMC Utrecht Holding B.V.
(22) 05.04.2022	(22) 17.09.2021	(74) dr. ir. G.J.C. Verdijck c.s.
(54) MARINE FACILITY MARICULTURE FEEDING DEVICE	(54) GLUTEN-FREE HYPOALLERGENIC SOY PROTEIN FLOUR AND PREPARATION METHOD THEREOF	(72) Leon Vincent Neve
(71) Fishery Machinery and Instrument	(71) Dalian Hongrun Lianhua Food Co., Ltd.	Lucas Dirk Joost Hubrecht
Research Institute, Chinese Academy of	Zhejiang Gongshang University	Petrus Wilhelmus Maria Wortman
Fishery Sciences	(74) drs. C.M.A. Quintelier	Lucas Alphonsus Maria Evers
(74) ir. M.B. Plaggenborg	(72) Zuojin Wang	(41) 17.06.2022
(72) Zhiqiang Xu	Linglin Fu	(51) A61B 3/00
Zhiyong Wang	Qiaozhi Zhang	A61B 3/028
Haisheng Zou	Yanbo Wang	
(31) 202210055548.0		

A61B 3/11	(22) 20.10.2020	(54) Markering op insulinepen en/of navulling daarvoor
A61B 3/113	(54) Device for moving a connector of an electric vehicle charger	(71) Wouter Dirk Frederik Perthel
G02B 27/00	(71) ROCSYS B.V.	(74) ir. H.A. Witmans c.s.
G02B 30/27	(74) ir. M. van der Velden	(72) Wouter Dirk Frederik Perthel
G02B 30/30	(72) Guus Nico Paris	(41) 21.06.2022
G02F 1/1335	Remy van Rooijen	(51) B01F 23/60
G06F 1/16	Johannes Oosten van der Weijde	(21) 2029522
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G06F 3/147	(51) A61F 9/008	(54) METHOD OF MIXING SOLID MATERIALS, CORRESPONDING DEVICE AND USE THEREOF
G06K 9/00	(21) 2026779	(71) CAETE PARTICIPAÇÃO E ADMINISTRAÇÃO EIRELI
G06K 9/20	(22) 27.10.2020	(74) ir. F.A. Geurts c.s.
(21) 2026709	(54) Device configured to be used in a LASIK surgery procedure	(72) Carlos Eduardo Furquim Bezerra
(22) 20.10.2020	(71) Sharsight B.V.	(31) 10 2020 022037 3
(54) DISPLAY DEVICE	(74) ir. A.E. Dekker-Garms	(32) 27.10.2020
(71) Rabbit-eyes B.V.	(72) Arnaldo Gonçalves	(33) Brazil
(74) ir. J.C. Volmer c.s.	(51) A61K 9/20	(51) B01L 3/00
(72) Richard Mendes	A61K 31/519	G01N 29/036
Alexander M. J. Spaans	A61K 31/635	G01N 29/22
Lennard Goedknecht	B33Y 10/00	G01N 29/24
(41) 16.06.2022	B33Y 80/00	G01N 33/50
(51) A61B 3/04	(21) 2026725	(21) 2026714
G02C 7/04	(22) 22.10.2020	(22) 20.10.2020
(21) 2026791	(54) Additive manufacturing method for drug delivery devices	(54) Improved detection of lymphocyte - target cell interaction
(22) 29.10.2020	(71) Doser IP B.V.	(71) LUMICKS CA Holding B.V.
(54) Werkwijze voor het vervaardigen van lenzen voor patiënten met keratoconus	Academisch Ziekenhuis Leiden h.o.d.n. LUMC	(74) ir. A. Blokland c.s.
(71) Frambach B.V.	(74) ir. H.A. Witmans c.s.	(72) Andrea Candelli
(74) ir. G.J.M. Verhees	(72) Niels Ouwerkerk	Keith Alan Bailey
(72) Christiaan Jacobus Hubertus Frambach	Kirsten Johanna Maria Schimmel	(41) 16.06.2022
(41) 21.06.2022	(41) 16.06.2022	(41) 16.06.2022
(51) A61B 5/055	(51) A61K 36/815	(51) B01L 3/02
G01R 33/385	(21) 2028620	B81B 1/00
(21) 2026785	(22) 02.07.2021	B81C 1/00
(22) 28.10.2020	(54) METHOD FOR EXTRACTING TOTAL FLAVONOIDS FROM LYCIUM CHINESE LEAVES	C12M 1/26
(54) Method and apparatus for magnetic resonance imaging	(71) Wolfberry Science Institute, Ningxia Academy of Agriculture and Forestry Sciences	G01N 35/00
(71) Technische Universiteit Delft	(74) dr. T. Wittop Koning PhD	G01Q 60/38
(74) dr. R.C. van Duijvenbode c.s.	(72) Lanying Liu	G01Q 70/16
(72) Paulina Siuryté	Xiaoying Li	(21) 2026730
João Luis Silva Canaveira Tourais	Youlong Cao	(22) 22.10.2020
Sebastian Daniel Weingärtner	Linyuan Duan	(54) A method of manufacturing a MEMS device
(51) A61B 6/00	Haijing Yuan	(71) CYTOSURGE AG
(21) 2026715	Ling Qu	(74) ir. W.J.J.M. Kempes
(22) 20.10.2020	Xiyang Zhang	(72) Edin Sarajlic
(54) Method of determining vessel fluid flow velocity	Lu Lu	(41) 16.06.2022
(71) Medis Associated B.V.	Wei An	(51) B05B 1/34
(74) ir. H.A. Witmans c.s.	Jia Mi	B05B 15/65
(72) Gianni Pedrizzetti	(41) 16.06.2022	B65D 83/14
Catalina Tobón Gómez	(51) A61L 9/20	(21) 2026729
Johannes Petrus Janssen	F24F 8/22	(22) 22.10.2020
Johan Hendrikus Christiaan Reiber	(21) 1043826	(54) Aerosol dispensing device
Hua Ma	(22) 22.10.2020	(71) Weener Plastics Group B.V.
(41) 16.06.2022	(54) Air cleaner	(74) ir. J.C. Volmer c.s.
(51) A61B 6/00	(71) Airfixr B.V.	(72) Henricus Johannes Cornelius Nuijen
G01T 1/29	(74) drs. O. Griebing	Jolijn Marion Schoofs
(21) 2026719	(72) Hubertus Adrianus van Erp	(41) 16.06.2022
(22) 21.10.2020	(41) 16.06.2022	(51) B24C 1/04
(54) X-ray detector with adaptive resolution	(51) A61M 5/00	E21B 7/18
(71) Adimec Advanced Image Systems b.v.	(21) 1043797	(21) 2026757
(74) dr. R.C. van Duijvenbode c.s.	(22) 29.10.2020	(22) 23.10.2020
(72) Reinder Gerrit Aartsen		(54) DEVICE AND METHOD FOR CONCENTRATING PARTICLES WITHIN A STREAM
René Weltje		
(41) 16.06.2022		
(51) A61B 34/00		
B60L 53/35		
(21) 2026710		

(71) Stichting Canopus Intellectueel Eigendom	(54) Sliding guide and arm support provided with such a sliding guide number	(54) INSTALLATION OF A WIND TURBINE ON A FLOATING FOUNDATION
(74) ir. J.C. Volmer c.s.	(71) Thomas Regout International B.V.	(71) Itrec B.V.
(72) Jan Jette Blange	(74) ir. H.A. Witmans c.s.	(74) ir. J.C. Volmer c.s.
(41) 17.06.2022	(72) Andreas Petronella Maria Stijns	(72) Diederick Bernardus Wijning
(51) B27F 1/00	(41) 21.06.2022	Joop Roodenburg
B27F 1/08	(51) B60Q 1/34	(41) 17.06.2022
B32B 21/04	B60Q 5/00	(31) 2026733
(21) 2026740	B62D 53/00	(32) 22.10.2020
(22) 23.10.2020	(21) 1043828	(33) Netherlands
(54) Een samengestelde balk en werkwijze voor het vervaardigen van een samengestelde balk	(22) 23.10.2020	(51) B65D 30/02
(71) Heko Spanten Ede B.V.	(54) Stelsel voor het veilig en kenbaar afslaan in een bocht met motorvoertuig met trailer of aanhangwagen, die door middel van een koppel schotel, vangmuil of trekhaak verbonden is. De dode hoek van de gehele combinatie duidelijk aan te geven, die door een signaal via een afstand sensor op de voorzijde van een trailer of aanhangwagen in een bocht geactiveerd wordt.	B65D 33/04
(74) ir. B.J. 't Jong	(71) Marcel Willem Albertus den Bieman	(21) 2029463
(72) Lambert van den Bosch	(72) Marcel Willem Albertus den Bieman	(22) 19.10.2021
(41) 16.06.2022	(41) 21.06.2022	(54) Paper sack.
(51) B29C 48/02	(51) B60V 1/14	(71) INNOVATION PACKMAKERS, S.L.
B29C 48/25	B64C 29/00	(74) ir. A. Blokland c.s.
B29C 48/255	B64C 35/00	(72) Vicente Antonio Lozano Ochando
B29C 48/87	(21) 2026721	Francisco Javier y Cabello Silva
B29C 48/92	(22) 21.10.2020	(31) U 202032270
B29C 64/118	(54) An amphibious flight vehicle	(32) 20.10.2020
B29C 64/209	(71) Ahmet Erdem Kazakli	(33) Spain
B33Y 10/00	Tadao Deniz Ozistek	(51) B65D 81/05
B33Y 30/00	(74) mr. ir. J. van Breda c.s.	B65D 81/07
(21) 2026789	(72) Ahmet Erdem Kazakli	B65D 85/30
(22) 29.10.2020	Tadao Deniz Ozistek	(21) 2026755
(54) FLOW CONTROL IN AN EXTRUDER HEAD	(41) 16.06.2022	(22) 23.10.2020
(71) ULTIMAKER B.V.	(51) B62M 6/45	(54) SUPPORT FOR A WORK OF ART
(74) dr. R.C. van Duijvenbode c.s.	B62M 6/65	(71) TURTLE B.V.
(72) Marcus Arnoldus Hubertus Gerardus Joosen	(21) 2026760	(74) ir. M. Cramwinckel
(51) B29D 30/54	(22) 23.10.2020	(72) Geert Cornelis Pieter Verhoeff
B29D 30/58	(54) Hybrid drive system for a bicycle	Kerstin Annette Kracht
B29D 30/66	(71) Advatech B.V.	Mirna Boelsma
(21) 2026728	(74) ir. H.A. Witmans c.s.	Menno Boelsma
(22) 22.10.2020	(72) Roëll Marie van Druuten	(41) 17.06.2022
(54) Werkwijze voor het opbouwen van het loopvlak van een band, inrichting, omvattende een bij voorkeur cilindrische basis en een aansturing geconfigureerd voor het op een basis uitvoeren van de werkwijze en baan van ongevulkaniseerd rubber, geschikt voor gebruik in de werkwijze	(41) 17.06.2022	(51) B68C 1/02
(71) Van Merksteijn Real Estate B.V.	(51) B63B 21/00	(21) 2026766
(74) dr. ir. G.J.C. Verdijck c.s.	B63B 35/44	(22) 26.10.2020
(72) Jacobus Lambertus van Merksteijn	E02D 27/42	(54) Saddle and use of said saddle for seating a rider on an animal, in particular on a horse
(41) 16.06.2022	E02D 27/50	(71) Theodorus Jozef Maria van Keken
(51) B60C 25/05	F03D 13/20	(74) ir. F.A. Geurts c.s.
B60C 25/138	(21) 2026717	(72) Theodorus Jozef Maria van Keken
(21) 2026774	(22) 20.10.2020	(41) 17.06.2022
(22) 27.10.2020	(54) Wind turbine offshore support structure	(51) C01B 39/40
(54) Demontagemachine voor het demonteren van een band van een velg, en werkwijze voor het demonteren van een band van een velg.	(71) GustoMSC B.V.	C01B 39/06
(71) TECHNO GROUP BENELUX B.V.	(74) ir. H.A. Witmans c.s.	B01J 29/46
(74) ir. H.Th. van den Heuvel c.s.	(72) Robbert Kant	(21) 2029486
(72) Peter Scheepers	(41) 16.06.2022	(22) 21.10.2021
(41) 21.06.2022	(51) B63B 27/10	(54) PREPARATION OF COPPER-CONTAINING NANOCRYSTAL MFI ZEOLITE FIELD OF TECHNOLOGY
(51) B60N 2/75	B63B 27/16	(71) Panjin Institute of Industrial Technology, Dalian University of Technology
(21) 2026783	B63B 35/00	(74) ir. A. Blokland c.s.
(22) 28.10.2020	B63B 77/10	(72) Zhigang Yan
	B66C 23/18	Gaohong He
	B66C 23/52	Jiahui Fu
	F03D 13/25	Yonghou Xiao
	(21) 2027280	Xu Liu
	(22) 06.01.2021	Yushan Li
		(31) 202011168449.0
		(32) 28.10.2020
		(33) China
		(51) C02F 1/22
		(21) 2026750

(22) 23.10.2020	05.11.2020	(72) Hans Lustig
(54) Purification method for landfill leachate	(33) Netherlands	Sten Swanenberg
(71) Cool Separations B.V.	Netherlands	(41) 17.06.2022
(74) ir. H.A. Witmans c.s.	Netherlands	(51) F03D 80/50
(72) Jordy Otten	Netherlands	(21) 2026805
Jaap van Spronsen	(51) E02D 1/02	(22) 30.10.2020
Mohammed Aljirjawi	E02D 3/00	(54) Device, system and method for forming
(41) 17.06.2022	G01N 33/24	a temporary support structure for
(51) C03B 7/00	G09B 23/40	maintenance crew for a blade of a
(21) 2026763	(21) 2026800	wind turbine, method of performing
(22) 26.10.2020	(22) 30.10.2020	maintenance, wind turbine blade, wind
(54) Werkwijze en een systeem voor het	(54) ROTARY PROBING DEVICE	turbine and wind turbine park
verkrijgen van informatie over wrijving	(71) GeoDyn B.V.	(71) Ampelmann Holding B.V.
tussen een verwarmde glasdruppel en	(74) ir. F.A. Geurts c.s.	(74) ir. H.A. Witmans c.s.
tenminste een geleidingsgoot alsmede	(72) Paulus Benedictus van der Roest	(72) Adrianus Huibert de Ruiter
een systeem voor het vervaardigen van	(41) 21.06.2022	Jan van der Tempel
een glasproduct.	(51) E02D 13/04	(41) 21.06.2022
(71) Centrum voor Technische Informatica	E02D 27/52	(51) F04B 19/00
B.V.	F03D 13/25	F04B 43/02
(74) ir. H.A. Witmans c.s.	(21) 1043827	F04B 43/06
(72) Joop Dalstra	(22) 22.10.2020	(21) 2026780
(41) 17.06.2022	(54) Pile guide with suction caissons	(22) 27.10.2020
(51) C07K 14/415	(71) KCI The Engineers BV	(54) Precise fluid manipulation in the
C12N 15/82	(72) Michiel Cornelis Kloosterboer	femtolitre range
(21) 2029361	(41) 16.06.2022	(71) Technische Universiteit Delft
(22) 08.10.2021	(51) E03F 5/16	(74) drs. P.A. van Essen c.s.
(54) LYCIUM RUTHENICUM MURR	(21) 2026724	(72) Tomas Manzaneque Garcia
ANTHOCYANIN SYNTHESIS-RELATED	(22) 21.10.2020	Murali Krishna Ghatkesar
MYB TRANSCRIPTION REPRESSOR	(54) INRICHTING EN WERKWIJZE VOOR	(41) 21.06.2022
LrETC1 AND APPLICATIONS THEREOF	HET LEGEN VAN EEN RIOOLPUT, EEN	(51) F04F 1/18
(71) Institute of Wolfberry Sciences, Ningxia	RIOOLPUT EN EEN ONTVANGKELDER	(21) 2026761
Academy of Agricultural and Forestry	VAN EEN RIOOLGEMAAL	(22) 23.10.2020
Sciences	(71) Marinus Lambertus Johannes Maria	(54) Pumpsamenstel voor het verplaatsen van
(74) dr. T. Wittop Koning PhD	Verberne	een vloeistof, en werkwijze
(72) Ken Qin	Robert Gerard Spaans	(71) Timbr Energy B.V.
Tingting Li	(74) ir. M.B. Plaggenborg	(74) ir. W.J.J.M. Kempes
Youlong Cao	(72) Laurens Marinus Antonius Wilbertus	(72) Johannes Wilhelmus Kok
Wei An	Verberne	(41) 17.06.2022
Xiaojun Chen	Robert Gerard Spaans	(51) F16F 9/46
Yunfang Fan	(41) 16.06.2022	(21) 2026778
Huan Qin	(51) E21D 11/05	(22) 27.10.2020
Yue Yin	E21F 17/18	(54) A shock absorber/damper device with
Lin Tang	E21D 20/02	a solenoid operated valve element
Guoli Dai	(21) 2031573	and a magnetic flux-bypass nose for
Xiaoya Qin	(22) 13.04.2022	influencing magnetic forces during
(41) 16.06.2022	(54) ANTI-FROST HEAVING FAILURE	switching operations.
(31) 202110679791.5	TUNNEL SUPPORT SYSTEM AND	(71) Suspension Research Innovation B.V.
(32) 18.06.2021	CONSTRUCTION METHOD	(74) ir. J.C. Volmer c.s.
(33) China	(71) Northwest Institute of Eco-Environment	(72) Poul Skarra
(51) E01F 15/00	and Resources ,CAS	(41) 21.06.2022
E01F 9/594	(74) ir. M.B. Plaggenborg	(51) F16L 37/086
E01F 13/00	(72) Xin Ju	F23J 13/02
(21) 2029656	Minghao Liu	(21) 2026716
(22) 05.11.2021	Fujun Niu	(22) 20.10.2020
(54) Traffic barrier, method for using a barrier,	Liang Zhang	(54) Duct section and method for
and barrier module	Jing Luo	manufacturing a duct section
(71) Baggermaatschappij Boskalis B.V.	(31) 202111384467.7	(71) Lewo B.V.
(74) ir. H.A. Witmans c.s.	(32) 22.11.2021	(74) ir. F.A. Geurts c.s.
(72) Thijs Martin Maria Hagedoorn	(33) China	(72) Roeland Wouter van Maaren
Robert Jan van Zijl	(51) F03B 13/18	Yousif Matti
Hendrik Jan Karel de Kleuver	(21) 2026767	Willem Roskam
(31) 2026834	(22) 26.10.2020	Marcel Fraterman
2026837	(54) Wave energy converter and a method of	(41) 16.06.2022
2026832	generating electrical power from wave	(51) F21K 9/23
2026833	energy	(21) 1043825
(32) 05.11.2020	(71) Dutch Wave Power B.V.	(22) 22.10.2020
05.11.2020	(74) dr. ir. G.J.C. Verdijck c.s.	
05.11.2020		

(54) Ledlamp met standaard fitting en minimale buitenmaten	(72) Arnaud Amadjikpe	(41) 17.06.2022
(71) Expo Trading Holland	(31) PCT/US2021/038480	(51) G06F 13/40
(74) ir. A. Blokland c.s.	63/061,846	G06F 13/42
(72) Stefan de Koning	(32) 22.06.2021	(21) 2029100
Matthijs Johan Grip	06.08.2020	(22) 01.09.2021
(41) 16.06.2022	(33) United States of America	(54) ACCELERATOR CONTROLLER HUB
(51) G01M 3/16	United States of America	(71) Intel Corporation
G01M 3/18	(51) G02B 3/08	(74) dr. A. Krebs
(21) 2026801	G02C 7/08	(72) Andrew Herdrich
(22) 30.10.2020	G02F 1/1333	Pratik Marolia
(54) SYSTEMS AND METHODS FOR ON-BOARD LEAK DETECTION AND MANAGEMENT	G02F 1/1337	Ajaya Durg
(71) Microsoft Technology Licensing, LLC	G02F 1/29	Rahul Pal
(74) ir. J.C. Volmer c.s.	(21) 2026764	Sayantan Sur
(72) Robert Jason Lankston II	(22) 26.10.2020	David Puffer
David William Mayer	(54) OPTICAL DEVICE WITH ELECTROACTIVE LENS	Rajesh Sankaran
Fenghua Shen	(71) Morrow N.V.	(31) 17/083,200
Chadd Nathaniel Garton	(74) dr. ir. G.J.C. Verdijck c.s.	(32) 28.10.2020
(41) 21.06.2022	(72) Varsenik Nersesyan	(33) United States of America
(51) G01N 1/38	Peter Cirkel	(51) G06F 16/28
H01J 49/04	Maarten van der Burgt	G06Q 10/00
H01J 49/16	Jelle de Smet	(21) 2030740
(21) 2026788	(41) 17.06.2022	(22) 27.01.2022
(22) 29.10.2020	(51) G03F 7/20	(54) PASSENGER ROPEWAY DETECTION MONITORING AND HEALTH DIAGNOSIS SYSTEM AND METHOD, MEDIUM AND EQUIPMENT
(54) A particle detection device and a method for detecting particles	(21) 2029255	(71) China Special Equipment Inspection and Research Institute
(71) DEEM Consulting B.V.	(22) 27.09.2021	(74) ir. M.B. Plaggenborg
(72) René Raymond Parchen	(54) OBJECT TABLE, STAGE APPARATUS, HOLDING METHOD AND LITHOGRAPHIC APPARATUS	(72) Keqin Ding
(51) G01N 15/14	(71) ASML Netherlands B.V.	Guansi Liu
(21) 2026722	(74) ir. A.J.M. van Hoef	Na Li
(22) 21.10.2020	(72) Michael Marinus Anna Steur	(31) 202110124910.0
(54) A droplet separation device, a particle detection device, and a method for separating droplets and detecting particles	Johannes Adrianus Cornelis Maria Pijnenburg	(32) 29.01.2021
(71) DEEM Consulting B.V.	Bas Jansen	(33) China
(72) Marijn Sandtke	Andre Bernardus Jeunink	(51) G06F 21/56
Fanuel Andemariam Mehari	(31) 20202316.4	(21) 2028230
Nicholas Christian van Schaik	(32) 16.10.2020	(22) 18.05.2021
(51) G01N 21/01	(33) European Patent Office (EPO)	(54) METHODS AND SYSTEMS FOR PREVENTING MALICIOUS ACTIVITY IN A COMPUTER SYSTEM
G01N 33/18	(51) G03F 7/20	(71) Trust, Ltd
B63B 35/14	G01B 9/02	(74) ir. A.R. Aalbers
(21) 2031432	(21) 2029492	(72) Pavel Suprunyuk
(22) 29.03.2022	(22) 22.10.2021	Andrei Bryzgin
(54) MULTIFUNCTIONAL ON-LINE WATER QUALITY MONITORING DEVICE FOR FISHING BOAT	(54) Apparatus for determining a distance, method for determining a distance, and lithography system	(31) 2020128525
(71) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences	(71) Carl Zeiss SMT GmbH	(32) 27.08.2020
(74) ir. M.B. Plaggenborg	(74) ir. H.A. Witmans c.s.	(33) Russian Federation
(72) Xinying Zhao	(72) Matthias Wald	(51) G06F 21/85
Chencheng Zhu	Martin Peschka	(21) 2029297
Jianyu Li	Holger Muenz	(22) 30.09.2021
(31) 202110583055.X	(31) 10 2020 213 326.3	(54) GRAPHICS SECURITY WITH SYNERGISTIC ENCRYPTION, CONTENT-BASED AND RESOURCE MANAGEMENT TECHNOLOGY
(32) 27.05.2021	(32) 22.10.2020	(71) Intel Corporation
(33) China	(33) Germany	(74) dr. A. Krebs
(51) G01S 7/40	(51) G06F 9/445	(72) Rajesh Poornachandran
G01S 13/931	H04L 12/24	David Zage
(21) 2028600	(21) 2026759	David Puffer
(22) 01.07.2021	(22) 23.10.2020	Ronald Silvas
(54) APPARATUS, SYSTEM AND METHOD OF RADAR ANTENNA CALIBRATION	(54) PRIORITIZING CONFIGURATION COMMANDS FOR A RUNNING CONFIGURATION ON A NETWORK DEVICE	Alex Nayshtut
(71) Intel Corporation	(71) Microsoft Technology Licensing, LLC	Ned M. Smith
(74) dr. A. Krebs	(74) ir. J.C. Volmer c.s.	Aravindh Anantaraman
	(72) Alberto Gonzalez Prieto	Julien Carreno
	Rupesh Bhagaban Patro	Tomer Levy
	Mark Hennessy	Vidhya Krishnan
	Anish Sagar Narsian	Ankur Shah

Omer Ben-Shalom	(21) 2026793	(21) 2029385
Aditya Navale	(22) 29.10.2020	(22) 12.10.2021
Xiaoyu Ruan	(54) Antenna system for antenna beamforming	(54) APPARATUS FOR MOVING MOVABLE MODULE THEREOF BASED ON MAGNETIC INTERACTIONS
David Cowperthwaite	(71) THE ANTENNA COMPANY INTERNATIONAL N.V.	(71) MagPol International B.V.
Scott Janus	(74) ir. H.Th. van den Heuvel c.s.	(74) ir. H.A. Witmans c.s.
Siddhartha Chhabra	(72) Diego Caratelli	(72) Attila K. Szalóky
Vedvyas Shanbogue	(41) 21.06.2022	(31) 2026680
(31) 63/108,691	(51) H01Q 23/00	(32) 15.10.2020
17/133,336	(21) 2029302	(33) Netherlands
(32) 02.11.2020	(22) 01.10.2021	(51) G06F 21/85
23.12.2020	(54) DISTRIBUTED RADIOHEAD SYSTEM	(21) 2029296
(33) United States of America	(71) Intel Corporation	(22) 30.09.2021
United States of America	(74) dr. A. Krebs	(54) GRAPHICS SECURITY WITH SYNERGISTIC ENCRYPTION, CONTENT-BASED AND RESOURCE MANAGEMENT TECHNOLOGY
(51) G16H 30/40	(72) Tal Shoshana	(71) Intel Corporation
G16H 50/20	Eli Borokhovich	(74) dr. A. Krebs
(21) 2026732	Ehud Reshef	(72) Alex Nayshtut
(22) 22.10.2020	Telesphor Kamgaing	Gaurav Kumar
(54) Method of processing medical images by an analysis system for enabling radiomics signature analysis.	Jayprakash Thakur	Omer Ben-Shalom
(71) Health Innovation Ventures B.V.	Eran segev	Ned M. Smith
(74) ir. H.A. Witmans c.s.	Jose Rodrigo Camacho Perez	Reshma Lal
(72) Avishek Chatterjee	Eytan Mann	Pradeep Pappachan
(41) 16.06.2022	Shahar Gross	Rajesh Poornachandran
(51) H01J 49/02	Maruti Tamrakar	Prashant Dewan
G01L 21/30	Seong-Youp J Suh	(31) 17/133,367
(21) 2029253	Amir Rubin	63/108,691
(22) 27.09.2021	Tae-Young Yang	(32) 23.12.2020
(54) RESIDUAL GAS ANALYSER	Timo Sakari Huusari	02.11.2020
(71) ASML Netherlands B.V.	Ronen Kronfeld	(33) United States of America
(74) ir. A.J.M. van Hoef	Kwan Ho Lee	United States of America
(72) Maarten Jan Heerkens	Benjamin Ofer	(51) H04L 9/40
Reinier Theodorus Martinus Jilisen	Ofir Degani	H04L 67/146
Robbert Willem Frederik Oosterbaan	Ashoke Ravi	H04L 67/50
Hendrikus Petrus Kluijtmans	Jaejin Lee	H04L 67/303
Antonius Marinus Coenraad Petrus	Dong-Ho Han	(21) 2027957
Leonardus van de Kerkhof	Harry Skinner	(22) 13.04.2021
(31) 20202743.9	(31) PCT/US2020/058622	(54) METHOD AND SYSTEM FOR USER IDENTIFICATION BASED ON USER ENVIRONMENT
(32) 20.10.2020	(32) 03.11.2020	(71) Group IB, Ltd
(33) European Patent Office (EPO)	(33) United States of America	(74) ir. A.R. Aalbers
(51) H01L 21/768	(51) H02K 7/06	(72) Aleksandr Viktorovich Batenev
(21) 2029298	H02K 7/116	Pavel Vladimirovich Krylov
(22) 30.09.2021	(21) 2026751	(31) RU2020133675
(54) Subtractively Patterned Interconnect Structures For Integrated Circuits	(22) 23.10.2020	(32) 14.10.2020
(71) Intel Corporation	(54) ELEKTRISCHE CILINDER, INRICHTING VOORZIEN VAN EEN ELEKTRISCHE CILINDER EN WERKWIJZE VOOR HET GEBRUIK DAARVOOR	(33) Russian Federation
(74) dr. A. Krebs	(71) Beransta B.V.	(51) H05B 45/31
(72) Matthew Metz	(74) dr. ir. G.J.C. Verdijck c.s.	H05B 47/19
Carl Naylor	(72) Peter Bultsma	(21) 2026739
Tristan Tronic	Wietze Put	(22) 23.10.2020
Elijah Karpov	(41) 17.06.2022	(54) A dimming unit arranged for dimming a Light Emitting Diode, LED, based lighting device, a LED based lighting device assembly comprising such a dimming unit and a method for operating such a dimming unit
Manish Chandhok	(51) H02K 11/30	(71) Klemko Techniek B.V.
Noriyuki Sato	H02K 5/04	(74) ir. A. Blokland c.s.
Miriam Reshotoko	(21) 2029647	(72) Adrianus Jacobus Klaver
Nafees Kabir	(22) 05.11.2021	Petrus van Rossum
Ramanan Chebiam	(54) INTEGRATED SERVO MOTOR	(41) 16.06.2022
Hui Jae Yoo	(71) CHINA LEADSHINE TECHNOLOGY CO.,LTD.	(51) G03F 7/20
Michael Christenson	(74) ir. F.A. Geurts c.s.	H05G 2/00
Jeffery Bielefeld	(72) Yong Zhu	(21) 2029072
Christopher Jezewski	Jun Sun	
James M. Blackwell	(31) 202022558115.6	
Jiun-Ruey Chen	(32) 06.11.2020	
Kevin Lin	(33) China	
(31) 17/087,519	(51) H02K 53/00	
(32) 02.11.2020		
(33) United States of America		
(51) H01Q 1/24		
H01Q 21/29		

(22) 27.08.2021

(54) TIN TRAP DEVICE, EXTREME
ULTRAVIOLET LIGHT GENERATION
APPARATUS, AND ELECTRONIC
DEVICE MANUFACTURING METHOD

(71) Gigaphoton Inc.

(74) ir. A. Blokland c.s.

(72) Gouta Niimi
Georg Saumagne

(31) 2020-182838

(32) 30.10.2020

(33) Japan

NP2

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

(51) A01B 47/00 A01M 21/04	(11) 2026756 (47) 17.06.2022 (22) 23.10.2020	(11) 2026765 (47) 17.06.2022 (22) 26.10.2020	(74) ir. W.J.J.M. Kempes (31) 202011022462.5 (32) 25.09.2020 (33) China
(11) 2026756 (47) 17.06.2022 (22) 23.10.2020	(54) Method and system of processing soil containing plant material, such as roots of invasive plant species, to inactivate the plant material in the soil	(54) A suspension system for a feeding system for cattle	(51) A41B 11/00 D06F 95/00
(54) Method and system of processing soil containing plant material, such as roots of invasive plant species, to inactivate the plant material in the soil	(73) Wennemars B.V.	(73) Reinetta Marie Geertruida Wennemars-Gerritsen Dirk Jan Wennemars	(11) 1043830 (47) 21.06.2022 (22) 29.10.2020
(73) Hannover Milieu- en Veiligheidstechniek B.V.	(72) Marcus Lambertus Josephus van den Brand Jacques Arnoldus Wilhelmus Maria Rossum Theodorus Johannes Vendrig	(74) mr. ir. J. van Breda c.s.	(54) Textiele voet- en/of beenbedekkers, zoals kousen of sokken, voorzien van onderlinge koppelmiddelen
(72) Marcus Lambertus Josephus van den Brand Jacques Arnoldus Wilhelmus Maria Rossum Theodorus Johannes Vendrig	(74) dr. ir. G.J.C. Verdijck c.s.	(51) A01K 61/80 A01K 61/13	(73) Mike Frederik Jeroen Meijer (72) Mike Frederik Jeroen Meijer
(74) dr. ir. G.J.C. Verdijck c.s.	(51) A01G 9/033 E04D 11/00	(11) 2028337 (47) 16.06.2022 (22) 28.05.2021	(51) A47B 88/49
(51) A01G 9/033 E04D 11/00	(11) 2026769 (47) 17.06.2022 (22) 26.10.2020	(54) AQUACULTURE POND MASKING AND FEEDING SYSTEM	(11) 2026777 (47) 21.06.2022 (22) 27.10.2020
(11) 2026769 (47) 17.06.2022 (22) 26.10.2020	(54) Gebouw of constructie voorzien van een systeem bevattende een middel voor het vasthouden van grond voor een vegetatiedak, dak voorzien van een systeem bevattende een middel voor het vasthouden van grond voor een vegetatiedak, systeem bevattende een middel voor het vasthouden van grond voor een vegetatiedak, middel voor het vasthouden van grond voor een vegetatiedak, middel voor het vasthouden van grond voor een vegetatiedak.	(73) Heilongjiang River Fisheries Research institute, Chinese Academy of Fishery Sciences	(54) TELESCOPIC LINEAR GUIDE
(54) Gebouw of constructie voorzien van een systeem bevattende een middel voor het vasthouden van grond voor een vegetatiedak, dak voorzien van een systeem bevattende een middel voor het vasthouden van grond voor een vegetatiedak, systeem bevattende een middel voor het vasthouden van grond voor een vegetatiedak, middel voor het vasthouden van grond voor een vegetatiedak, middel voor het vasthouden van grond voor een vegetatiedak.	(73) Alphons Maria van Heugten Eric Petrus van Heugten	(72) Shuyan Bai Qirui Hao Shizhan Tang Lei Gao Zhongxiang Chen Peng Wang Dongli Qin Ningning Du Chenhui Li Song Wu	(73) Prodrive Technologies Innovation Services B.V.
(73) Alphons Maria van Heugten Eric Petrus van Heugten	(74) dr. J. van Straaten	(74) dr. T. Wittop Koning PhD	(72) Ronald Johannes Cornelis van Bommel Tom Cornelis Snijders
(72) Alphons Maria van Heugten Eric Petrus van Heugten	(51) A01G 17/00 A01G 2/00	(31) 202110396437.1 (32) 13.04.2021 (33) China	(74) M. Gilio
(74) dr. J. van Straaten	(11) 2028694 (47) 16.06.2022 (22) 11.07.2021	(51) A01M 21/04 (11) 2026786 (47) 21.06.2022 (22) 28.10.2020	(51) A47C 27/14 A47C 27/15 A47C 31/12
(51) A01G 17/00 A01G 2/00	(54) METHOD FOR RAPID FORMATION OF YOUNG APPLE TREES GRAFTED ON DWARF STOCKS	(74) Werkwijze en systeem voor het afdoden van ongewenste uitheemse planten	(11) 2026708 (47) 16.06.2022 (22) 20.10.2020
(11) 2028694 (47) 16.06.2022 (22) 11.07.2021	(73) Shandong Institute of Pomology	(73) Dennis Mathijs Hermanus Geraerts (72) Dennis Mathijs Hermanus Geraerts	(54) ADAPTABLE MATTRESS
(54) METHOD FOR RAPID FORMATION OF YOUNG APPLE TREES GRAFTED ON DWARF STOCKS	(72) Haibo Wang Xiaowen He Yuansheng Chang Sen Wang Linguang Li Ping He	(74) ir. A. Blokland c.s.	(73) Maxtrass B.V.
(73) Shandong Institute of Pomology	(74) dr. T. Wittop Koning PhD	(51) A01N 1/02 (11) 2028946 (47) 16.06.2022 (22) 10.08.2021	(72) Willem Leonard Frits Treffers
(72) Haibo Wang Xiaowen He Yuansheng Chang Sen Wang Linguang Li Ping He	(31) 202110687339.3 (32) 22.06.2021 (33) China	(54) CRYOPROTECTIVE SOLUTION AND ULTRA-LOW TEMPERATURE CRYOPRESERVATION METHOD OF STICHOPUS JAPONICUS SPERM	(74) drs. P.A. van Essen c.s.
(74) dr. T. Wittop Koning PhD	(51) A01K 5/01 A01K 9/00	(73) INSTITUTE OF OCEANOLOGY, CHINESE ACADEMY OF SCIENCES	(51) A47D 13/02 (11) 2028680 (47) 21.06.2022 (22) 09.07.2021
(31) 202110687339.3 (32) 22.06.2021 (33) China	(73) Libin Zhang Hongsheng Yang Shilin Liu Shuai Xu Jingchun Sun Chenggang Lin Lina Sun	(74) ir. J.C. Volmer c.s.	(54) Wearable child carrier
(51) A01K 5/01 A01K 9/00		(31) 2026402 (32) 03.09.2020 (33) Netherlands	(73) Alibaby B.V.
			(72) Boudewijn Martin Wisse Sali Nouali Stefan van Cleef Michael Martinus Hölscher Heleen Willemsen
			(74) ir. J.C. Volmer c.s.
			(31) 2026402 (32) 03.09.2020 (33) Netherlands
			(51) A47G 21/18 A23L 33/105 A23L 33/185
			(11) 2027939 (47) 21.06.2022 (22) 08.04.2021
			(54) EDIBLE FRUCTUS LYCII STRAW AND PROCESSING METHOD THEREOF
			(73) Qilu University of Technology
			(72) Bin Yu Hao Liu

Zheng Zhang	(54) Method of determining vessel fluid flow velocity	(72) Lanying Liu
Bo Cui	(73) Medis Associated B.V.	Xiaoying Li
Haiteng Tao	(72) Gianni Pedrizzetti	Youlong Cao
(74) dr. R.C. van Duijvenbode c.s.	Catalina Tobón Gómez	Linyuan Duan
(31) 202011160155.3	Johannes Petrus Janssen	Haijing Yuan
(32) 27.10.2020	Johan Hendrikus Christiaan Reiber	Ling Qu
(33) China	Hua Ma	Xiyan Zhang
(51) A61B 1/12	(74) ir. H.A. Witmans c.s.	Lu Lu
(11) 2026768	(51) A61B 6/00	Wei An
(47) 17.06.2022	G01T 1/29	Jia Mi
(22) 26.10.2020	(11) 2026719	(74) dr. T. Wittop Koning PhD
(54) CLEANING SYSTEM AND METHOD FOR CLEANING AN ENDOSCOPE	(47) 16.06.2022	(51) A61L 9/20
(73) UMC Utrecht Holding B.V.	(22) 21.10.2020	F24F 8/22
(72) Leon Vincent Neve	(54) X-ray detector with adaptive resolution	(11) 1043826
Lucas Dirk Joost Hubrecht	(73) Adimec Advanced Image Systems b.v.	(47) 16.06.2022
Petrus Wilhelmus Maria Wortman	(72) Reinder Gerrit Aartsen	(22) 22.10.2020
Lucas Alphonsus Maria Evers	René Weltje	(54) Air cleaner
(74) dr. ir. G.J.C. Verdijck c.s.	(74) dr. R.C. van Duijvenbode c.s.	(73) Airfixr B.V.
(51) A61B 3/00	(51) A61B 34/00	(72) Hubertus Adrianus van Erp
A61B 3/028	B60L 53/35	(74) drs. O. Griebing
A61B 3/11	(11) 2026710	(51) A61M 5/00
A61B 3/113	(47) 16.06.2022	(11) 1043797
G02B 27/00	(22) 20.10.2020	(47) 21.06.2022
G02B 30/27	(54) Device for moving a connector of an electric vehicle charger	(22) 29.10.2020
G02B 30/30	(73) ROCSYS B.V.	(54) Markering op insulinepen en/of navulling daarvoor
G02F 1/1335	(72) Guus Nico Paris	(73) Wouter Dirk Frederik Perthel
G06F 1/16	Remy van Rooijen	(72) Wouter Dirk Frederik Perthel
G06F 3/01	Johannes Oosten van der Weijde	(74) ir. H.A. Witmans c.s.
G06F 3/147	Kanter van Deurzen	(51) B01D 53/44
G06K 9/00	(74) ir. M. van der Velden	F23G 7/06
G06K 9/20	(51) A61F 9/008	B01D 53/78
(11) 2026709	(11) 2026779	B01D 53/75
(47) 16.06.2022	(47) 21.06.2022	(11) 2025817
(22) 20.10.2020	(22) 27.10.2020	(47) 16.06.2022
(54) DISPLAY DEVICE	(54) Device configured to be used in a LASIK surgery procedure	(22) 11.06.2020
(73) Rabbit-eyes B.V.	(73) Sharpsight B.V.	(54) MOBILE MODULAR TREATMENT DEVICE FOR ORGANIC WASTE GAS IN SITE REMEDIATION
(72) Richard Mendes	(72) Arnaldo Gonçalves	(73) NANJING INSTITUTE OF ENVIRONMENTAL SCIENCES, MEE
Alexander M. J. Spaans	(74) ir. A.E. Dekker-Garms	(72) Chenwei Liu
Lenhard Goedknegt	(51) A61K 9/20	Yonghua Liu
(74) ir. J.C. Volmer c.s.	A61K 31/519	Jing Zhang
(51) A61B 3/04	A61K 31/635	Yi Zhang
G02C 7/04	B33Y 10/00	Jing Wu
(11) 2026791	B33Y 80/00	Zhuhua Han
(47) 21.06.2022	(11) 2026725	(74) ir. W.J.J.M. Kempes
(22) 29.10.2020	(47) 16.06.2022	(31) 201910629786.6
(54) Werkwijze voor het vervaardigen van lenzen voor patiënten met keratoconus	(22) 22.10.2020	(32) 12.07.2019
(73) Frambach B.V.	(54) Additive manufacturing method for drug delivery devices	(33) China
(72) Christiaan Jacobus Hubertus Frambach	(73) Doser IP B.V.	(51) B01L 3/00
(74) ir. G.J.M. Verhees	Academisch Ziekenhuis Leiden h.o.d.n.	G01N 29/036
(51) A61B 5/055	LUMC	G01N 29/22
G01R 33/385	(72) Niels Ouwerkerk	G01N 29/24
(11) 2026785	Kirsten Johanna Maria Schimmel	G01N 33/50
(47) 21.06.2022	(74) ir. H.A. Witmans c.s.	(11) 2026714
(22) 28.10.2020	(51) A61K 36/815	(47) 16.06.2022
(54) Method and apparatus for magnetic resonance imaging	(11) 2028620	(22) 20.10.2020
(73) Technische Universiteit Delft	(47) 16.06.2022	(54) Improved detection of lymphocyte - target cell interaction
(72) Paulina Siuryté	(22) 02.07.2021	(73) LUMICKS CA Holding B.V.
João Luis Silva Canaveira Tourais	(54) METHOD FOR EXTRACTING TOTAL FLAVONOIDS FROM LYCIUM CHINESE LEAVES	(72) Andrea Candelli
Sebastian Daniel Weingärtner	(73) Wolfberry Science Institute, Ningxia Academy of Agriculture and Forestry Sciences	Keith Alan Bailey
(74) dr. R.C. van Duijvenbode c.s.		(74) ir. A. Blokland c.s.
(51) A61B 6/00		(51) B01L 3/02
(11) 2026715		B81B 1/00
(47) 16.06.2022		
(22) 20.10.2020		

B81C 1/00	B29D 30/58	(51) B62J 7/02
C12M 1/26	B29D 30/66	B62K 19/30
G01N 35/00	(11) 2026728	(11) 2028034
G01Q 60/38	(47) 16.06.2022	(47) 16.06.2022
G01Q 70/16	(22) 22.10.2020	(22) 21.04.2021
(11) 2026730	(54) Werkwijze voor het opbouwen van	(54) Rijwieldraagsamenstel
(47) 16.06.2022	het loopvlak van een band, inrichting,	(73) VANMOOF B.V.
(22) 22.10.2020	omvattende een bij voorkeur cilindrische	(72) Ties Jonan Midas Carlier
(54) A method of manufacturing a MEMS	basis en een aansturing geconfigureerd	(74) ir. H.Th. van den Heuvel c.s.
device	voor het op een basis uitvoeren van de	(31) 2025381
(73) CYTOSURGE AG	werkwijze en baan van ongevulkaniseerd	(32) 21.04.2020
(72) Edin Sarajlic	rubber, geschikt voor gebruik in de	(33) Netherlands
(74) ir. W.J.J.M. Kempes	werkwijze	(51) B62M 6/45
(51) B05B 1/34	(73) Van Merksteijn Real Estate B.V.	B62M 6/65
B05B 15/65	(72) Jacobus Lambertus van Merksteijn	(11) 2026760
B65D 83/14	(74) dr. ir. G.J.C. Verdijck c.s.	(47) 17.06.2022
(11) 2026729	(51) B60C 25/05	(22) 23.10.2020
(47) 16.06.2022	B60C 25/138	(54) Hybrid drive system for a bicycle
(22) 22.10.2020	(11) 2026774	(73) Advatech B.V.
(54) Aerosol dispensing device	(47) 21.06.2022	(72) Roëll Marie van Druuten
(73) Weener Plastics Group B.V.	(22) 27.10.2020	(74) ir. H.A. Witmans c.s.
(72) Henricus Johannes Cornelius Nuijen	(54) Demontagemachine voor het	(51) B62M 11/04
Jolijn Marion Schoofs	demonteren van een band van een velg,	B62M 6/40
(74) ir. J.C. Volmer c.s.	en werkwijze voor het demonteren van	B62M 6/80
(51) B24C 1/04	een band van een velg.	B62J 45/412
E21B 7/18	(73) TECHNO GROUP BENELUX B.V.	B62M 9/123
(11) 2026757	(72) Peter Scheepers	B62M 25/08
(47) 17.06.2022	(74) ir. H.Th. van den Heuvel c.s.	(11) 2028021
(22) 23.10.2020	(51) B60N 2/75	(47) 15.06.2022
(54) DEVICE AND METHOD FOR	(11) 2026783	(22) 20.04.2021
CONCENTRATING PARTICLES WITHIN	(47) 21.06.2022	(54) SCHAKELINRICHTING EN RIJWIEL
A STREAM	(22) 28.10.2020	(73) VANMOOF B.V.
(73) Stichting Canopus Intellectueel	(54) Sliding guide and arm support provided	(72) Ties Jonan Midas Carlier
Eigendom	with such a sliding guide number	(74) ir. H.Th. van den Heuvel c.s.
(72) Jan Jette Blange	(73) Thomas Regout International B.V.	(31) 2025379
(74) ir. J.C. Volmer c.s.	(72) Andreas Petronella Maria Stijns	(32) 20.04.2020
(51) B27F 1/00	(74) ir. H.A. Witmans c.s.	(33) Netherlands
B27F 1/08	(51) B60Q 1/34	(51) B63B 21/00
B32B 21/04	B60Q 5/00	B63B 35/44
(11) 2026740	B62D 53/00	E02D 27/42
(47) 16.06.2022	(11) 1043828	E02D 27/50
(22) 23.10.2020	(47) 21.06.2022	F03D 13/20
(54) Een samengestelde balk en werkwijze	(22) 23.10.2020	(11) 2026717
voor het vervaardigen van een	(54) Stelsel voor het veilig en kenbaar afslaan	(47) 16.06.2022
samengestelde balk	in een bocht met motorvoertuig met	(22) 20.10.2020
(73) Heko Spanten Ede B.V.	trailer of aanhangwagen, die door middel	(54) Wind turbine offshore support structure
(72) Lambert van den Bosch	van een koppel schotel, vangmuil of	(73) GustoMSC B.V.
(74) ir. B.J. 't Jong	trekhaak verbonden is. De dode hoek	(72) Robbert Kant
(51) B29C 48/02	van de gehele combinatie duidelijk aan	(74) ir. H.A. Witmans c.s.
B29C 48/25	te geven, die door een signaal via een	(51) B63B 27/10
B29C 48/255	afstand sensor op de voorzijde van een	B63B 27/16
B29C 48/87	trailer of aanhangwagen in een bocht	B63B 35/00
B29C 48/92	geactiveerd wordt.	B63B 77/10
B29C 64/118	(73) Marcel Willem Albertus den Bieman	B66C 23/18
B29C 64/209	(72) Marcel Willem Albertus den Bieman	B66C 23/52
B33Y 10/00	(51) B60V 1/14	F03D 13/25
B33Y 30/00	B64C 29/00	(11) 2027280
(11) 2026789	B64C 35/00	(47) 17.06.2022
(47) 21.06.2022	(11) 2026721	(22) 06.01.2021
(22) 29.10.2020	(47) 16.06.2022	(54) INSTALLATION OF A WIND TURBINE
(54) FLOW CONTROL IN AN EXTRUDER	(22) 21.10.2020	ON A FLOATING FOUNDATION
HEAD	(54) An amphibious flight vehicle	(73) Itrec B.V.
(73) ULTIMAKER B.V.	(73) Ahmet Erdem Kazakli	(72) Diederick Bernardus Wijning
(72) Marcus Arnoldus Hubertus Gerardus	Tadao Deniz Ozistek	Joop Roodenburg
Joosen	(72) Ahmet Erdem Kazakli	(74) ir. J.C. Volmer c.s.
(74) dr. R.C. van Duijvenbode c.s.	Tadao Deniz Ozistek	(31) 2026733
(51) B29D 30/54	(74) mr. ir. J. van Breda c.s.	(32) 22.10.2020

(33) Netherlands	een systeem voor het vervaardigen van	(47) 16.06.2022
(51) B65D 81/05	een glasproduct.	(22) 22.10.2020
B65D 81/07	(73) Centrum voor Technische Informatica	(54) Pile guide with suction caissons
B65D 85/30	B.V.	(73) KCI The Engineers BV
(11) 2026755	(72) Joop Dalstra	(72) Michiel Cornelis Kloosterboer
(47) 17.06.2022	(74) ir. H.A. Witmans c.s.	(51) E03F 5/16
(22) 23.10.2020	(51) C07K 14/415	(11) 2026724
(54) SUPPORT FOR A WORK OF ART	C12N 15/82	(47) 16.06.2022
(73) TURTLE B.V.	(11) 2029361	(22) 21.10.2020
(72) Geert Cornelis Pieter Verhoeff	(47) 16.06.2022	(54) INRICHTING EN WERKWIJZE VOOR
Kerstin Annette Kracht	(22) 08.10.2021	HET LEGEN VAN EEN RIOOLPUT, EEN
Mirna Boelsma	(54) LYCIUM RUTHENICUM MURR	RIOOLPUT EN EEN ONTVANGKELDER
Menno Boelsma	ANTHOCYANIN SYNTHESIS-RELATED	VAN EEN RIOOLGEMAAL
(74) ir. M. Cramwinckel	MYB TRANSCRIPTION REPRESSOR	(73) Marinus Lambertus Johannes Maria
(51) B68C 1/02	LrETC1 AND APPLICATIONS THEREOF	Verberne
(11) 2026766	(73) Institute of Wolfberry Sciences, Ningxia	Robert Gerard Spaans
(47) 17.06.2022	Academy of Agricultural and Forestry	(72) Laurens Marinus Antonius Wilbertus
(22) 26.10.2020	Sciences	Verberne
(54) Saddle and use of said saddle for seating	(72) Ken Qin	Robert Gerard Spaans
a rider on an animal, in particular on a	Tingting Li	(74) ir. M.B. Plaggenborg
horse	Youlong Cao	(51) F03B 13/18
(73) Theodorus Jozef Maria van Keken	Wei An	(11) 2026767
(72) Theodorus Jozef Maria van Keken	Xiaojun Chen	(47) 17.06.2022
(74) ir. F.A. Geurts c.s.	Yunfang Fan	(22) 26.10.2020
(51) C02F 1/22	Huan Qin	(54) Wave energy converter and a method of
(11) 2026750	Yue Yin	generating electrical power from wave
(47) 17.06.2022	Lin Tang	energy
(22) 23.10.2020	Guoli Dai	(73) Dutch Wave Power B.V.
(54) Purification method for landfill leachate	Xiaoya Qin	(72) Hans Lustig
(73) Cool Separations B.V.	(74) dr. T. Wittop Koning PhD	Sten Swanenberg
(72) Jordy Otten	(31) 202110679791.5	(74) dr. ir. G.J.C. Verdijck c.s.
Jaap van Spronsen	(32) 18.06.2021	(51) F03D 80/50
Mohammed Aljirjawi	(33) China	(11) 2026805
(74) ir. H.A. Witmans c.s.	(51) C09D 7/42	(47) 21.06.2022
(51) C02F 1/52	C08K 3/36	(22) 30.10.2020
(11) 2028950	(11) 2022455	(54) Device, system and method for forming
(47) 16.06.2022	(47) 16.06.2022	a temporary support structure for
(22) 11.08.2021	(22) 25.01.2019	maintenance crew for a blade of a
(54) NOVEL COMPOUNDING METHOD	(54) AQUEOUS HYDROPHOBIC SILICA	wind turbine, method of performing
FOR HIGH-EFFICIENTLY REMOVING	DISPERSIONS	maintenance, wind turbine blade, wind
PHOSPHORUS	(73) Cabot Corporation	turbine and wind turbine park
(73) LIAONING TECHNICAL UNIVERSITY	(72) Kavita K. Pai	(73) Ampelmann Holding B.V.
QINGDAO UNIVERSITY OF	Tianqi Liu	(72) Adrianus Huibert de Ruiter
TECHNOLOGY	Melissa J. Monello	Jan van der Tempel
QINGDAO OUYI TIANCHENG	Lang H. Nguyen	(74) ir. H.A. Witmans c.s.
ENVIRONMENTAL ENGINEERING Co.,	Steven Jacobs	(51) F04B 19/00
Ltd.	Takashi Umehara	F04B 43/02
(72) Yan Li	Zhangliang Gui	F04B 43/06
Guiqing Tao	Angelica M. Sanchez Garcia	(11) 2026780
Jichi Bai	(74) ir. H.A. Witmans c.s.	(47) 21.06.2022
Zhemeng Wang	(31) 62/621,684	(22) 27.10.2020
Liping Xiao	(32) 25.01.2018	(54) Precise fluid manipulation in the
Yunlong Lan	(33) United States of America	femtolitre range
Baohua Shen	(51) E02D 1/02	(73) Technische Universiteit Delft
(74) ir. M.B. Plaggenborg	E02D 3/00	(72) Tomas Manzaneque Garcia
(31) 202010922853.6	G01N 33/24	Murali Krishna Ghatkesar
(32) 04.09.2020	G09B 23/40	(74) drs. P.A. van Essen c.s.
(33) China	(11) 2026800	(51) F04F 1/18
(51) C03B 7/00	(47) 21.06.2022	(11) 2026761
(11) 2026763	(22) 30.10.2020	(47) 17.06.2022
(47) 17.06.2022	(54) ROTARY PROBING DEVICE	(22) 23.10.2020
(22) 26.10.2020	(73) GeoDyn B.V.	(54) Pompsamenstel voor het verplaatsen van
(54) Werkwijze en een systeem voor het	(72) Paulus Benedictus van der Roest	een vloeistof, en werkwijze
verkrijgen van informatie over wrijving	(74) ir. F.A. Geurts c.s.	(73) Timbr Energy B.V.
tussen een verwarmde glasdruppel en	(51) E02D 13/04	(72) Johannes Wilhelmus Kok
tenminste een geleidingsgoot alsmede	E02D 27/52	(74) ir. W.J.J.M. Kempes
	F03D 13/25	(51) F16F 9/46
	(11) 1043827	

(11) 2026778	(72) Marijn Sandtke	G01R 33/12
(47) 21.06.2022	Fanuel Andemariam Mehari	G06F 17/14
(22) 27.10.2020	Nicholas Christian van Schaik	(11) 2028027
(54) A shock absorber/damper device with a solenoid operated valve element and a magnetic flux-bypass nose for influencing magnetic forces during switching operations.	(51) G02B 3/08	(47) 16.06.2022
(73) Suspension Research Innovation B.V.	G02C 7/08	(22) 21.04.2021
(72) Poul Skarra	G02F 1/1333	(54) DISTORTION-FREE BOUNDARY EXTENSION METHOD FOR ONLINE WAVELET DENOISING
(74) ir. J.C. Volmer c.s.	G02F 1/1337	(73) HARBIN ENGINEERING UNIVERSITY
(51) F16L 37/086	G02F 1/29	(72) Lanyong Zhang
F23J 13/02	(11) 2026764	Sheng Liu
(11) 2026716	(47) 17.06.2022	Menglin Wang
(47) 16.06.2022	(2) 26.10.2020	Chengyu Li
(22) 20.10.2020	(54) OPTICAL DEVICE WITH ELECTROACTIVE LENS	(74) ir. W.J.J.M. Kempes
(54) Duct section and method for manufacturing a duct section	(73) Morrow N.V.	(31) 202010345709.0
(73) Lewo B.V.	(72) Varsenik Nersesyan	(32) 27.04.2020
(72) Roeland Wouter van Maaren	Peter Cirkel	(33) China
Yousif Matti	Maarten van der Burgt	(51) G06Q 30/02
Willem Roskam	Jelle de Smet	(11) 2027964
Marcel Fraterman	(74) dr. ir. G.J.C. Verdijck c.s.	(47) 21.06.2022
(74) ir. F.A. Geurts c.s.	(51) G06F 8/65	(22) 14.04.2021
(51) F21K 9/23	B62M 6/45	(54) DATA RESOURCE VALUATION METHOD FOR NETWORK PLATFORM
(11) 1043825	(11) 2028035	(73) Beijing Information Science & Technology University
(47) 16.06.2022	(47) 16.06.2022	(72) Xia Gao
(22) 22.10.2020	(2) 21.04.2021	Zifeng Li
(54) Ledlamp met standaard fitting en minimale buitenmaten	(54) Rijwieldeelsysteemupdatewerkwijze	Jian Zhang
(73) Expo Trading Holland	(73) VANMOOF B.V.	Yuan Ni
(72) Stefan de Koning	(72) Ties Jonan Midas Carlier	Yudong Gao
Matthijs Johan Grip	(74) ir. H.Th. van den Heuvel c.s.	Gongshan Cai
(74) ir. A. Blokland c.s.	(31) 2025391	Lu Yang
(51) G01M 3/16	(32) 21.04.2021	(74) J.M.H. Duyver lic.
G01M 3/18	(73) VANMOOF B.V.	(31) 202010298734.8
(11) 2026801	(72) Ties Jonan Midas Carlier	(32) 16.04.2020
(47) 21.06.2022	(74) ir. H.Th. van den Heuvel c.s.	(33) China
(22) 30.10.2020	(31) 2025391	(51) G16H 30/40
(54) SYSTEMS AND METHODS FOR ON-BOARD LEAK DETECTION AND MANAGEMENT	(32) 21.04.2021	G16H 50/20
(73) Microsoft Technology Licensing, LLC	(54) PRIORITIZING CONFIGURATION COMMANDS FOR A RUNNING CONFIGURATION ON A NETWORK DEVICE	(11) 2026732
(72) Robert Jason Lankston II	(73) Microsoft Technology Licensing, LLC	(47) 16.06.2022
David William Mayer	(72) Alberto Gonzalez Prieto	(22) 22.10.2020
Fenghua Shen	Rupesh Bhagaban Patro	(54) Method of processing medical images by an analysis system for enabling radiomics signature analysis.
Chadd Nathaniel Garton	Mark Hennessy	(73) Health Innovation Ventures B.V.
(74) ir. J.C. Volmer c.s.	Anish Sagar Narsian	(72) Avishek Chatterjee
(51) G01N 1/38	(74) ir. J.C. Volmer c.s.	(74) ir. H.A. Witmans c.s.
H01J 49/04	(51) G06F 30/23	(51) H01Q 1/24
H01J 49/16	(11) 2027278	H01Q 21/29
(11) 2026788	(47) 16.06.2022	(11) 2026793
(47) 21.06.2022	(2) 06.01.2021	(47) 21.06.2022
(22) 29.10.2020	(54) ANT COLONY ALGORITHM-BASED METHOD FOR OPTIMAL DESIGN OF ARTIFICIAL GROUND FREEZING METHOD UNDER SEEPAGE CONDITIONS	(22) 29.10.2020
(54) A particle detection device and a method for detecting particles	(73) Tongji University	(54) Antenna system for antenna beamforming
(73) DEEM Consulting B.V.	(72) Zeyao Li	(73) THE ANTENNA COMPANY INTERNATIONAL N.V.
(72) René Raymond Parchen	Chuanhe Wang	(72) Diego Caratelli
(51) G01N 15/14	Yiqun Tang	Stanislav Ogurtsov
(11) 2026722	Wenqiang Zhao	(74) ir. H.Th. van den Heuvel c.s.
(47) 16.06.2022	Junjie Ren	(51) H02K 7/06
(22) 21.10.2020	Jie Zhou	H02K 7/116
(54) A droplet separation device, a particle detection device, and a method for separating droplets and detecting particles	(74) dr. R.C. van Duijvenbode c.s.	(11) 2026751
(73) DEEM Consulting B.V.	(31) 202010027402.6	(47) 17.06.2022
	(32) 10.01.2020	(22) 23.10.2020
	(33) China	(54) ELEKTRISCHE CILINDER, INRICHTING VOORZIEN VAN EEN ELEKTRISCHE CILINDER EN WERKWIJZE VOOR HET GEBRUIK DAARVOOR
	(51) G06K 9/00	

- (73) Beransta B.V.
(72) Peter Bultsma
Wietze Put
(74) dr. ir. G.J.C. Verdijck c.s.
-
- (51) H05B 45/31
H05B 47/19
(11) 2026739
(47) 16.06.2022
(22) 23.10.2020
(54) A dimming unit arranged for dimming a
Light Emitting Diode, LED, based lighting
device, a LED based lighting device
assembly comprising such a dimming
unit and a method for operating such a
dimming unit
- (73) Klemko Techniek B.V.
(72) Adrianus Jacobus Klaver
Petrus van Rossum
(74) ir. A. Blokland c.s.
-
- (51) H05G 2/00
(11) 2027803
(47) 15.06.2022
(22) 23.03.2021
(54) EXTREME ULTRAVIOLET LIGHT
GENERATION APPARATUS,
TARGET CONTROL METHOD,
AND ELECTRONIC DEVICE
MANUFACTURING METHOD
- (73) Gigaphoton Inc.
(72) Toru Abe
(74) ir. H.Th. van den Heuvel c.s.
(31) 2020-082972
(32) 11.05.2020
(33) Japan
-
- (51) H05G 2/00
(11) 2027804
(47) 15.06.2022
(22) 23.03.2021
(54) TARGET SUPPLY DEVICE, TARGET
SUPPLY METHOD, AND ELECTRONIC
DEVICE MANUFACTURING METHOD
- (73) Gigaphoton Inc.
(72) Tsukasa Hori
Yutaka Shiraishi
Hiroshi Someya
Toshihiro Nishisaka
Yukio Watanabe
(74) ir. H.Th. van den Heuvel c.s.
(31) 2020-088560
(32) 21.05.2020
(33) Japan
-

NP3

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

EP1

Vertaalde conclusies van Europese octrooiaanvragen.

Contains data concerning translations of the claims of European patent applications.

EP2

Voor Nederland verleende Europese octrooien.

Contains data concerning European patents granted for The Netherlands.

(51) A01B 59/06 A01B 63/108	A01C 19/02 (11) EP3469868 (21) EP18192555.3 (47) 22.06.2022 (22) 04.09.2018 (54) ACTUATOR FOR SETTING A SEED DEPTH FOR A ROW UNIT ON A PLANTER (73) Deere & Company (72) HUBNER, Cary GRESCH, Valentin BENZ, Philipp MEILWES, Tobias WAIBEL, Christian	(51) A01D 34/416 (11) EP3892080 (21) EP21164125.3 (47) 22.06.2022 (22) 23.03.2021 (54) STRING TRIMMER (73) Nanjing Chervon Industry Co., Ltd. (72) DAL, Kaichao LI, Li (31) 202010258996 (32) 03.04.2020 (33) China
(11) EP3581009 (21) EP19179044.3 (47) 22.06.2022 (22) 07.06.2019 (54) SUPPORT FRAME FOR A FRONT HYDRAULIC LIFT (73) Deere & Company (72) Patino, Mario Heitlinger, Martin (31) 102018209347 (32) 12.06.2018 (33) Germany	(31) 201715783264 (32) 13.10.2017 (33) United States of America	(51) A01D 34/64 H02J 7/00 A01D 69/02 (11) EP3827659 (21) EP19843130.6 (47) 22.06.2022 (87) CN2019098877 06.02.2020 (22) 01.08.2019 (54) RIDING LAWN MOWER (73) Nanjing Chervon Industry Co., Ltd. (72) WANG, Lei YANG, Dezhong (31) 201810860510 (32) 01.08.2018 (33) China
(51) A01C 5/06 (11) EP3636064 (21) EP19187126.8 (47) 22.06.2022 (22) 18.07.2019 (54) WORK VEHICLE WITH ROW UNIT HAVING VARIABLE STEERING ANGLE (73) Deere & Company (72) MARIMAN, Nathan BARKER, Mark FRASIER, Michael MURRAY, Cole WONDERLICH, Grant (31) 201816121348 (32) 04.09.2018 (33) United States of America	(51) A01C 23/00 A01M 7/00 (11) EP3912448 (21) EP21000136.8 (47) 22.06.2022 (22) 14.05.2021 (54) BOOM FOR A TRAILING SHOE OR TRAILING HOSE ASSEMBLY FOR DISPENSING MANURE (73) Mößmer, Helmut (72) Mößmer, Helmut (31) 202020003530 U 202020002171 U (32) 18.08.2020 18.05.2020 (33) Germany Germany	(51) A01D 43/08 A01F 29/06 A01F 29/09 B02C 18/18 (11) EP3756442 (21) EP20177537.6 (47) 22.06.2022 (22) 29.05.2020 (54) SHEARBAR (73) Betek GmbH & Co. KG (72) ROMING, Julian ESSIG, Wolfgang SEIFRIED, Fabian SCHNEIDER, Uwe (31) 102019116945 (32) 24.06.2019 (33) Germany
(51) A01C 5/06 A01C 7/06 A01C 23/02 (11) EP3512324 (21) EP17851609.2 (47) 22.06.2022 (87) US2017051792 22.03.2018 (22) 15.09.2017 (54) APPARATUS FOR AGRICULTURAL MATERIAL APPLICATION (73) Precision Planting LLC (72) URBANIAK, Doug HODEL, Jeremy (31) 201762526201 P 201762447810 P 201662436935 P 201662423724 P 201662395840 P (32) 28.06.2017 18.01.2017 20.12.2016 17.11.2016 16.09.2016 (33) United States of America United States of America United States of America United States of America United States of America	(51) A01D 34/00 (11) EP3583833 (21) EP19172013.5 (47) 22.06.2022 (22) 30.04.2019 (54) WORK EVALUATION SYSTEM (73) Kubota Corporation (72) MATSUDA, Kazuaki UEMURA, Katsuhiko (31) 2018112796 (32) 13.06.2018 (33) Japan	(51) A01D 44/00 (11) EP3171687 (21) EP15742220.5 (47) 22.06.2022 (87) EP2015066834 28.01.2016 (22) 23.07.2015 (54) DEVICE AND METHOD FOR DREDGING A WATERCOURSE OR BODY OF WATER, BAG FOR PLANT MATTER, AND METHOD FOR STORING PLANT MATTER (73) GECO GROUPE (72) ROURE, Frédéric (31) 1457119 1457121
(51) A01C 5/06 A01C 7/20	(51) A01D 34/00 G05D 1/02 A01D 101/00 (11) EP2906032 (21) EP12886200.0 (47) 22.06.2022 (87) SE2012051078 17.04.2014 (22) 09.10.2012 (54) SYSTEM FOR ENHANCING A COVERAGE DISTRIBUTION OF A ROBOTIC GARDEN TOOL (73) Husqvarna AB (72) JÄGENSTEDT, Patrik KAMFORS, Mattias	

(32) 23.07.2014	(51) A01G 9/08	(31) 1852610
23.07.2014	(11) EP3391736	(32) 26.03.2018
(33) France	(21) EP18168069.5	(33) France
France	(47) 22.06.2022	
(51) A01D 46/26	(22) 18.04.2018	(51) A01K 13/00
(11) EP3703485	(54) LINEAR COMPACT DEVICE WITH	(11) EP3713401
(21) EP18788814.4	TRANSVERSE SUBSTRATE	(21) EP18800637.3
(47) 22.06.2022	ELEVATOR, FOR FILLING AND	(47) 22.06.2022
(87) FR2018052335	PROCESSING OF POTS	(87) EP2018080813
09.05.2019	(73) KERN & DRIVE GmbH	23.05.2019
(22) 24.09.2018	(72) MESZAROS, Arpad G.	(22) 09.11.2018
(54) DEVICE HAVING A TARPAULIN	(31) 202017002026 U	(54) ANIMAL CARE AND/OR CLEANING
FOR COLLECTING FRUIT AND	(32) 18.04.2017	DEVICE
AGRICULTURAL MACHINE PROVIDED	(33) Germany	(73) Suevia Haiges GmbH
WITH THE DEVICE	(51) A01G 13/02	(72) HAIGES, Frank
(73) PELLENC	E01C 5/00	(31) 102017010781
(72) ROLLAND, Christian	E01C 15/00	(32) 20.11.2017
GIACALONE, Christophe	E01C 9/00	(33) Germany
(31) 1771147	E01C 3/00	(51) A01K 61/60
(32) 31.10.2017	(11) EP2981648	A01K 61/65
(33) France	(21) EP14779429.1	(11) EP3849302
(51) A01D 51/00	(47) 22.06.2022	(21) EP19765504.6
A01D 46/00	(87) AU2014000356	(47) 22.06.2022
(11) EP3713389	09.10.2014	(87) EP2019074344
(21) EP18811662.8	(22) 04.04.2014	19.03.2020
(47) 22.06.2022	(54) A MODULAR CELL AND MATRIX FOR	(22) 12.09.2019
(87) IB2018059098	SUPPORTING A LOAD BEARING	(54) BOTTOM-FOUNDED SEMI-
31.05.2019	FEATURE	SUBMERSIBLE SPAR-TYPE
(22) 19.11.2018	(73) Strata Innovations Pty Limited	OFFSHORE FISH FARM AND METHOD
(54) HARVESTING HEAD FOR A	(72) GOODEN, Benjamin, Douglas	OF INSTALLING THE SAME
HARVESTING DEVICE FOR	(31) 2013903002	(73) Saulx Offshore
VEGETABLES LIKE MELONS AND	2013902491	(72) VAN LEEUWEN, Mark Rudolf
HARVESTING DEVICE EQUIPED WITH	2013901153	(31) 18194441
SUCH A HARVESTING HEAD	(32) 09.08.2013	(32) 14.09.2018
(73) Ream Agri	05.07.2013	(33) European Patent Office (EPO)
(72) RETAUX, Jacques	04.04.2013	(51) A01N 1/02
(31) 1771257	(33) Australia	(11) EP3544420
(32) 23.11.2017	Australia	(21) EP17829007.8
(33) France	Australia	(47) 22.06.2022
(51) A01D 61/00	(51) A01J 11/16	(87) HU2017050051
(11) EP3610717	A23C 9/15	31.05.2018
(21) EP19191020.7	(11) EP3785530	(22) 24.11.2017
(47) 22.06.2022	(21) EP20188436.8	(54) USE OF COMPOSITIONS FOR ORGAN-
(22) 09.08.2019	(47) 22.06.2022	TISSUE PRESERVATION
(54) SLAT-BAR CROSS-MEMBERS IN A	(22) 29.07.2020	(73) Sigmadrugs Kutató Korlátolt Felelősségű
FEEDERHOUSE CROP-CONVEYING	(54) METHOD AND SYSTEM FOR	Társaság
SYSTEM	HOMOGENIZING A LIQUID FOOD	(72) VANNAY, Ádám
(73) Deere & Company	PRODUCT	FEKETE, Andrea
(72) Puryk, Corwin M	(73) Tetra Laval Holdings & Finance S.A.	HOSSZÚ, Ádám
Peters, David W	(72) Ransmark, Eva	(31) 1600639
Donohoe, Adam	(31) 19191728	(32) 24.11.2016
Meschke, Michael	(32) 14.08.2019	(33) Hungary
(31) 201816102380	(33) European Patent Office (EPO)	(51) A01N 25/08
(32) 13.08.2018	(51) A01K 1/015	A01N 59/02
(33) United States of America	A01K 31/18	A01N 59/14
(51) A01D 87/02	A01K 31/04	A01N 59/16
A01D 87/12	(11) EP3772916	A01N 59/20
(11) EP3771323	(21) EP19718905.3	A01N 65/00
(21) EP19382660.9	(47) 22.06.2022	A01N 65/22
(47) 22.06.2022	(87) FR2019050665	A01N 65/28
(22) 31.07.2019	03.10.2019	A01N 65/48
(54) DEVICE FOR PICKING-UP FORAGE	(22) 22.03.2019	(11) EP3297432
BALES FROM THE GROUND AND	(54) MOVABLE ASSEMBLY FOR	(21) EP16725238.6
SELF-LOADING MACHINE INCLUDING	AUTONOMOUSLY AERATING A LITTER	(47) 22.06.2022
SAID DEVICE	COVERING THE GROUND OF AN	(87) IB2016052863
(73) Arcusin S.A.	ENCLOSED SPACE	24.11.2016
(72) CUSINÉ BARBER, Manuel	(73) Octopus Robots	(22) 17.05.2016
	(72) SOMVILLE, Olivier	(54) USE OF HYDROXYAPATITE AS A
		CARRIER OF BIOACTIVE SUBSTANCES

FOR TREATING VASCULAR DISEASES IN PLANTS	CAPSICUM EXTRACT, MARIGOLD EXTRACT AND GARLIC EXTRACT	(31) 2012274 (32) 14.02.2014 (33) Netherlands
(73) NDG Natural Development Group S.r.l.	(73) Biopharma Research S.A.	(51) A22C 13/02
(72) PIVA, Massimo	(72) NIETO DEL RIO, Juan	(11) EP3752002
MANFREDINI, Gianluca	(31) 201531384	(21) EP19714878.6
COLETTI, Matteo	(32) 29.09.2015	(47) 22.06.2022
BATTISTON, Enrico	(33) Spain	(87) NL2019050087
(31) UB20150693	(51) A21B 1/48	22.08.2019
(32) 18.05.2015	B65G 17/06	(22) 11.02.2019
(33) Italy	B65G 17/32	(54) SUPPORT FOR SUPPORTING A SHIRRED GUT CASING, KIT OF PARTS COMPRISING A SUPPORT MEMBER AND A STOP MEMBER, METHOD FOR ASSEMBLING THE SUPPORT, AND METHOD FOR TRANSFERRING A GUT FROM THE SUPPORT TO A STUFFING HORN
(51) A01N 43/56	(11) EP3578049	(73) Van Hessen Holding B.V.
C07D 401/04	(21) EP19176669.0	(72) SCHOUTEN, Thomas Maarten
(11) EP3801026	(47) 22.06.2022	(31) 2020436
(21) EP19728829.3	(22) 27.05.2019	(32) 14.02.2018
(47) 22.06.2022	(54) ENDLESS CONVEYOR BELT FOR CONTINUOUS OVEN	(33) Netherlands
(87) US2019033099	(73) Werner & Pfleiderer Industrielle Backtechnik GmbH	(51) A22C 21/00
12.12.2019	(72) Tschida, Josef	A22C 17/00
(22) 20.05.2019	(31) 102018208960	A22C 17/02
(54) MOLECULE HAVING PESTICIDAL UTILITY, AND COMPOSITIONS, AND PROCESSES, RELATED THERETO	(32) 06.06.2018	A22B 5/00
(73) Corteva Agriscience LLC	(33) Germany	(11) EP3603405
(72) ZHANG, Yu	(51) A21B 3/13	(21) EP18906037.9
HUNTER, Ricky	(11) EP3706577	(47) 22.06.2022
KLITTICH, Carla J.R.	(21) EP18811920.0	(87) JP2018046707
TRULLINGER, Tony K.	(47) 22.06.2022	22.08.2019
(31) 201862682248 P	(87) IB2018058745	(22) 19.12.2018
(32) 08.06.2018	16.05.2019	(54) BONE-MEAT SEPARATION APPARATUS FOR BONE-INCLUDING LIMB MEAT AND BONE-MEAT SEPARATION METHOD FOR BONE- INCLUDING LIMB MEAT
(33) United States of America	(22) 07.11.2018	(73) MAYEKAWA MFG. CO., LTD.
(51) A01N 57/20	(54) BAKING PAN AND METHOD FOR MAKING SUCH BAKING PAN	(72) KIDO, Koji
A01N 25/06	(73) Novacart S.P.A.	KATO, Moemi
A01N 25/30	(72) ANGHILERI, Gianmario	KOIZUMI, Akira
A01N 25/24	(31) 201700126638	(31) 2018024036
A01P 13/00	(32) 07.11.2017	(32) 14.02.2018
(11) EP3419420	(33) Italy	(33) Japan
(21) EP17715033.1	(51) A22C 11/00	(51) A23C 9/142
(47) 22.06.2022	A22C 11/12	A23C 9/13
(87) US2017024038	(11) EP3641551	A23C 1/04
05.10.2017	(21) EP18734181.3	A23C 1/16
(22) 24.03.2017	(47) 22.06.2022	A23C 9/16
(54) LECITHIN-BASED SPRAY ADJUVANT CONTAINING ORGANOSILICON WETTING AGENTS	(87) EP2018066702	A23G 3/46
(73) Momentive Performance Materials Inc.	27.12.2018	A21D 2/26
(72) PACCIONE, Mary, Ann	(22) 22.06.2018	A23L 29/30
MUKHERJEE, Narayan	(54) DEVICE AND METHOD FOR DIVIDING SAUSAGES	(11) EP3253222
NAUE, Jeferson, A.	(73) Inotec GmbH Maschinenentwicklung und Vertrieb	(21) EP16747181.2
HE, Fengqi	(72) DOMLATIL, Miroslav	(47) 22.06.2022
POLICELLO, George, A.	(31) 102017130320	(87) US2016016351
(31) 201662316183 P	102017115090	11.08.2016
(32) 31.03.2016	102017114041	(22) 03.02.2016
(33) United States of America	(32) 18.12.2017	(54) PROCESS FOR MANUFACTURE OF MILK PERMEATE POWDERS
(51) A01N 65/12	06.07.2017	(73) Idaho Milk Products
A01N 65/38	23.06.2017	South Dakota State University
A01N 65/42	(33) Germany	(72) MARELLA, Chenchaiah
A01P 1/00	Germany	METZGER, Lloyd
A01P 3/00	Germany	(31) 20156211703 P
A01P 5/00	(51) A22C 13/00	(32) 04.02.2015
(11) EP3357340	(11) EP3104710	(33) United States of America
(21) EP16787909.7	(21) EP15704324.1	
(47) 22.06.2022	(47) 22.06.2022	
(87) ES2016070676	(87) EP2015053235	
06.04.2017	20.08.2015	
(22) 28.09.2016	(22) 16.02.2015	
(54) AN ECOLOGICAL AGRICULTURAL SOIL DISINFECTANT COMPOSITION COMPRISING A MIXTURE OF	(54) IMPROVED SAUSAGE CASINGS	
	(73) Devro (Scotland) Limited	
	(72) VISSER, Petrus Rimke	

(51) A23L 3/3571 C05F 9/02 C12M 1/02 C05F 9/04 C05F 17/00 C05F 17/80 C05G 3/00 C05G 5/20 E02D 3/00 A23K 40/00 A23K 10/00 A23K 50/00 A23K 10/12 A23K 10/20 A23K 10/37 (11) EP3139769 (21) EP15789403.1 (47) 22.06.2022 (87) US2015029322 12.11.2015 (22) 05.05.2015 (54) NUTRIENT RICH COMPOSITIONS (73) California Safe Soil, LLC (72) MORASH, Daniel M. LEJEUNE, Mark (31) 201461988794 P (32) 05.05.2014 (33) United States of America	(73) Shenzhen First Union Technology Co., Ltd. (72) ZHANG, Yunkai LI, Yonghai XU, Zhongli LI, Zhengfa (31) 201821125199 U (32) 17.07.2018 (33) China <hr/> (51) A24F 47/00 A61M 11/04 A61M 15/06 A24F 40/485 (11) EP3750430 (21) EP19768261.0 (47) 22.06.2022 (87) CN2019072341 19.09.2019 (22) 18.01.2019 (54) ELECTRONIC CIGARETTE HAVING DOUBLE-CAVITY DOUBLE-AIR- CHANNEL ATOMIZER (73) Huizhou Happy Vaping Technology Limited (72) ZHENG, Xianbin LIN, Guangrong (31) 201810199592 (32) 12.03.2018 (33) China <hr/> (51) A41D 13/00 (11) EP3733007 (21) EP20172677.5 (47) 22.06.2022 (22) 04.05.2020 (54) AERODYNAMIC ELEMENT FOR A GARMENT (73) SAS Access Equip Motos France (72) ALESSANDRINI, Luca MANIGUET, Thierry (31) 201900006523 (32) 03.05.2019 (33) Italy <hr/> (51) A43B 13/12 A43B 23/02 B29D 35/06 B29D 35/14 B29D 35/00 D04B 1/12 D04B 1/16 A43B 1/04 A43B 9/02 (11) EP3729989 (21) EP20176673.0 (47) 22.06.2022 (22) 09.11.2017 (54) AN ARTICLE COMPRISING A REFLOWED MATERIAL AND A DYED ELEMENT, AND PROCESSES FOR MAKING THE SAME (73) NIKE Innovate C.V. (72) BIANCONI, Mirko RUSBROOK, Thomas J. PINI, Pierangelo HIPPI, Stephen CAVALIERE, Sergio WINCEK, Christianna ADAMI, Giovanni MOLYNEUX, James	AMIS, Sam MCLACHLAN, Oliver GREEN, Jessica MENENGHINI, Nicolas SMITH, Timothy J. CHEN, Yuchung K. HURD, John (31) 201662419841 P 201662419851 P 201662419832 P 201662419824 P (32) 09.11.2016 09.11.2016 09.11.2016 09.11.2016 (33) United States of America United States of America United States of America United States of America <hr/> (51) A44C 5/00 A44C 5/02 A44C 17/02 (11) EP3773054 (21) EP19710145.4 (47) 22.06.2022 (87) IB2019051000 17.10.2019 (22) 07.02.2019 (54) WRIST-WATCH STRAP-BAND HALF (73) Cornu et Cie S.A. (72) VIEILLE, Eric (31) 4732018 (32) 13.04.2018 (33) Switzerland <hr/> (51) A44C 17/02 A44C 17/04 A44C 27/00 (11) EP3834652 (21) EP19214649.6 (47) 22.06.2022 (22) 10.12.2019 (54) DECORATIVE ASSEMBLY MADE BY CRIMPING (73) Comadur S.A. (72) NETUSCHILL, M. Alexandre LAUPER, M. Stéphane BLASER, M. Lionel <hr/> (51) A45D 29/00 B44C 1/16 B65H 37/00 (11) EP3900573 (21) EP21179721.2 (47) 22.06.2022 (22) 10.09.2019 (54) APPARATUS FOR DECORATING NAILS (73) Spin Master Ltd. (72) Reynolds, Paul A. Livingston, Jessica Crilly, Kyra Jameson, Mollie B. Peat, Emma J. E. (31) 201816230276 201862730350 P (32) 21.12.2018 12.09.2018 (33) United States of America United States of America <hr/> (51) A45D 34/00
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B05B 11/00	(73) Albéa Services	United Kingdom
(11) EP3823491	(72) Rutigliano, Anne	(51) A47C 21/00
(21) EP19737569.4	Schreiber, Camille	A47C 21/04
(47) 22.06.2022	Lhoyer, Patrick	A47G 9/10
(87) EP2019069046	(31) 1452505	H02J 50/10
23.01.2020	(32) 25.03.2014	(11) EP3773080
(22) 15.07.2019	(33) France	(21) EP19848955.1
(54) DISPENSER FOR FLUID COSMETIC PRODUCTS	(51) A47B 9/02	(47) 22.06.2022
(73) L'OREAL	(11) EP3868252	(87) US2019069139
(72) STIMPFLING, Maxim	(21) EP20158380.4	22.10.2020
HAMEAU, Julien	(47) 22.06.2022	(22) 31.12.2019
HEJJAOUI, Diana	(22) 20.02.2020	(54) PILLOW WITH WIRELESS CHARGING
(31) 1856599	(54) RECEIVING DEVICE AND METHOD FOR CONTROLLING A BRAKE ACTING ON A HEIGHT-ADJUSTABLE RECEIVING UNIT OF A RECEIVING DEVICE	(73) Sleep Number Corporation
(32) 17.07.2018	(73) RealThings GmbH	(72) SIFFRING, Caleb
(33) France	(72) Jakobsson, Karl Peter	HOLMVIK, Tyler
(51) A46B 9/02	Swetharanyam, Sugandar	GRABINGER, Cory
(11) EP3038493	(51) A47B 88/427	(31) 201962834748 P
(21) EP14744085.3	(11) EP3773073	(32) 16.04.2019
(47) 22.06.2022	(21) EP19711493.7	(33) United States of America
(87) EP2014065987	(47) 22.06.2022	(51) A47G 25/90
05.03.2015	(87) AT2019060074	(11) EP3515263
(22) 24.07.2014	10.10.2019	(21) EP17852547.3
(54) APPLICATOR FOR A COSMETIC PRODUCT AND ASSOCIATED APPLICATOR ASSEMBLY	(22) 07.03.2019	(47) 22.06.2022
(73) Albéa Services	(54) LOADING RAIL FOR A PULL-OUT GUIDE FOR A DRAWER	(87) IL2017051076
(72) URESTI, Osvaldo	(73) Julius Blum GmbH	29.03.2018
SCHREIBER, Camille	(72) RUECH, David	(22) 26.09.2017
(31) 1358285	KOLHAUPT, Lukas	(54) DEVICE FOR PUTTING ON SOCKS
(32) 29.08.2013	(31) 502842018	(73) S.B Group Ltd.
(33) France	(32) 06.04.2018	(72) SHAHAR, Tal
(51) A46D 3/00	(33) Austria	(31) 201662399495 P
A46B 3/12	(51) A47B 91/00	(32) 26.09.2016
B29C 65/16	B60B 33/00	(33) United States of America
A46B 9/06	(11) EP3689186	(51) A47J 31/44
A46D 3/04	(21) EP20152223.2	A47J 31/60
B29C 65/48	(47) 22.06.2022	A47J 31/46
(11) EP3579725	(22) 16.01.2020	(11) EP3685716
(21) EP18766746.4	(54) ROLLER FOR APPARATUSES, FURNITURE COMPRISING A SUPPORT PART COMPRISING A HEAD PART AND A FOOT PART	(21) EP20150322.4
(47) 22.06.2022	(73) Steinco Paul vom Stein GmbH	(47) 22.06.2022
(87) SE2018050132	(72) Rödel, Thorsten	(22) 06.01.2020
20.09.2018	(31) 102019102175	(54) BEVERAGE MACHINE
(22) 13.02.2018	(32) 29.01.2019	(73) Miele & Cie. KG
(54) METHOD OF BUNDLING BRISTLES TO BE USED IN PAINT BRUSHES, A PAINT BRUSH HEAD COMPRISING A PLURALITY OF BRISTLES AND A PAINT BRUSH COMPRISING A PLURALITY OF BRISTLES AND/OR A PAINT BRUSH HEAD	(33) Germany	(72) Tembaak, Jutta
(73) Orkla House Care AB	(51) A47B 91/02	(31) 102019101677
(72) LUNDBERG, Dorge	(11) EP3478128	(32) 24.01.2019
TENGVAL, Thomas	(21) EP17739656.1	(33) Germany
JOHANSSON, Kåre	(47) 22.06.2022	(51) A47J 45/06
(31) 1750280	(87) GB2017051978	(11) EP3860413
(32) 13.03.2017	11.01.2018	(21) EP19773567.3
(33) Sweden	(22) 04.07.2017	(47) 22.06.2022
(51) A46D 3/05	(54) KIT COMPRISING A CABINET BASE AND AN ADJUSTABLE LEG AND METHOD OF ASSEMBLING SAID KIT	(87) IB2019057914
A46B 3/18	(73) Howden Joinery Limited	09.04.2020
A46B 9/02	(72) COLE, James	(22) 19.09.2019
(11) EP2923603	(31) 201709478	(54) VESSEL FOR COOKING FOOD PROVIDED WITH THERMAL SIGNALLING DEVICE
(21) EP15160192.9	201611656	(73) Zwilling Ballarini Italia Srl
(47) 22.06.2022	(32) 14.06.2017	(72) FERRON, Francesco
(22) 20.03.2015	04.07.2016	(31) 201800009069
(54) Applicator for a cosmetic product, in particular mascara, and method for manufacturing such an applicator	(33) United Kingdom	(32) 01.10.2018
		(33) Italy
		(51) A47K 5/12
		B05B 11/00
		G01F 11/02
		(11) EP3533368
		(21) EP19167350.8
		(47) 22.06.2022
		(22) 26.02.2010

(54) METHOD OF OPERATION OF MANUAL FLUID DISPENSER WITH DISCHARGE MEASUREMENT	(47) 22.06.2022 (87) US2017012804 20.07.2017	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(73) Op-Hygiene IP GmbH	(22) 10.01.2017	(72) HERVE, Lionel
(72) Ophardt, Heiner	(54) SYSTEMS AND METHODS FOR DETERMINING DISTANCE FROM AN OBJECT	(31) 0600286
(31) 2694569 2690890 379786	(73) Warby Parker Inc.	(32) 12.01.2006
(32) 23.02.2010 20.01.2010 27.02.2009	(72) GOLDBERG, David, Howard CARRAFA, Joseph	(33) France
(33) Canada Canada United States of America	(31) 201614996917 (32) 15.01.2016 (33) United States of America	(51) A61B 5/00 A61B 5/0537
(51) A47K 10/36	(11) EP3273839	(11) EP3515297
(11) EP3278696	(21) EP15821214.2	(21) EP18748025.6
(21) EP17157277.9	(47) 22.06.2022	(47) 22.06.2022
(47) 22.06.2022	(87) US2015065998 29.09.2016	(87) US2018016731 09.08.2018
(22) 23.10.2009	(22) 16.12.2015	(22) 02.02.2018
(54) TOWEL DISPENSER	(54) MULTIPLE DEPTH OPTICAL COHERENCE TOMOGRAPHY SYSTEM AND METHOD AND LASER EYE SURGERY SYSTEM INCORPORATING THE SAME	(54) BISSYMMETRIC COMPARISON OF SUB-EPIDERMAL MOISTURE VALUES
(73) KENNEDY HYGIENE PRODUCTS LTD	(31) 201762521871 P 201762454455 P	(73) Bruin Biometrics, LLC
(72) MACLEOD, William	(32) 19.06.2017 03.02.2017	(72) BURNS, Martin F. BARRINGTON, Sara ROSS, Graham O.
(31) 0819496	(33) United States of America United States of America	(31) 201762521871 P 201762454455 P
(32) 23.10.2008	(73) AMO Development, LLC	(32) 19.06.2017 03.02.2017
(33) United Kingdom	(72) SCHUELE, Georg	(33) United States of America United States of America
(51) A47L 9/28	(31) 201562138232 P	(51) A61B 5/00 A61B 5/1455
(11) EP3643215	(32) 25.03.2015	(11) EP3117763
(21) EP19199501.8	(33) United States of America	(21) EP16178978.9
(47) 22.06.2022	(51) A61B 3/10	(47) 22.06.2022
(22) 25.09.2019	(11) EP3616600	(22) 12.07.2016
(54) VACUUM CLEANER AND METHOD AND DEVICE FOR DETECTING A MOTOR DRIVEN BRUSH TYPE FOR A VACUUM CLEANER, METHOD AND DEVICE FOR OPERATING A VACUUM CLEANER, MOTOR-DRIVEN BRUSH FOR A VACUUM CLEANER	(21) EP18790595.5 (47) 22.06.2022	(54) PROBE
(73) Miele & Cie. KG	(87) JP2018015614 01.11.2018	(73) Nihon Kohden Corporation
(72) Walfort, Dennis Rodehüser, Tobias Neufeld, Alexander	(22) 13.04.2018	(72) UKAWA, Teiji FUJISAKI, Hideki ITO, Kazumasa UEDA, Yoshinori
(31) 102018126138	(54) OPHTHALMOLOGICAL DEVICE	(31) 2015142992
(32) 22.10.2018	(73) Nikon Corporation	(32) 17.07.2015
(33) Germany	(72) OHMURA, Yasuhiro	(33) Japan
(51) A47L 15/42	(31) 2017089977 (32) 28.04.2017	(51) A61B 5/00 A61B 5/1455 G16H 50/30 A61B 5/145
D06F 39/08	(33) Japan	(11) EP3443889
G01F 1/115	(51) A61B 3/12 A61B 3/15 A61B 3/10	(21) EP18167950.7
(11) EP3718457	(11) EP3799777	(47) 22.06.2022
(21) EP20165445.6	(21) EP19201433.0	(22) 18.04.2018
(47) 22.06.2022	(47) 22.06.2022	(54) SYSTEM FOR DETECTING A SEPSIS CONDITION
(22) 25.03.2020	(22) 04.10.2019	(73) Trilinear BioVentures, LLC
(54) DEVICE TO FEED A FLUID TO A HOUSEHOLD APPLIANCE	(54) OPHTHALMIC IMAGING DEVICE	(72) Newberry, Robert Steven
(73) Robertshaw Italy S.r.L.	(73) Optos PLC	(31) 201715680991
(72) Rajaram, Madhavan Corti, Paolo Verzeroli, Marco Cattazzo, Donato	(72) Preciado, Miguel Angel	(32) 18.08.2017
(31) 201900004385	(31) 19200774	(33) United States of America
(32) 26.03.2019	(32) 01.10.2019	(51) A61B 5/00 A61B 5/282 A61B 5/316 A61B 5/332 A61B 5/341 A61B 5/361 G16H 40/63 G16H 40/67 G16H 50/20
(33) Italy	(33) European Patent Office (EPO)	(11) EP3280326
(51) A61B 3/00	(51) A61B 5/00	(21) EP16777474.4
G06T 7/00	(11) EP1971258	
G06T 7/73	(21) EP07712645.6	
G06T 7/62	(47) 22.06.2022	
A61B 3/028	(87) FR2007000054 19.07.2007	
(11) EP3402384	(22) 12.01.2007	
(21) EP17738787.5	(54) METHOD FOR RECONSTRUCTING A FLUORESCENCE OPTICAL TOMOGRAPHY THREE-DIMENSIONAL IMAGE BY DOUBLE MEASUREMENT	

(47) 22.06.2022	(33) Israel	(31) 344732 P
(87) US2016026915	Israel	201113019939
13.10.2016	Israel	(32) 23.09.2010
(22) 11.04.2016	(51) A61B 5/0215	02.02.2011
(54) MOBILE THREE-LEAD CARDIAC	(11) EP3102098	(33) United States of America
MONITORING DEVICE	(21) EP15743080.2	United States of America
(73) Heartbeam, Inc.	(47) 22.06.2022	(51) A61B 5/06
(72) BOJOVIC, Basko	(87) US2015014076	A61B 17/34
MITROVIC, Uros	06.08.2015	A61B 34/00
VUKCEVIC, Vladan	(22) 02.02.2015	A61B 34/20
HADZIEVSKI, Ljupco	(54) INTRAVASCULAR DEVICES,	A61B 8/08
MILETIC, Marjan	SYSTEMS, AND METHODS HAVING	A61B 8/00
(31) 201562145431 P	A CORE WIRE WITH EMBEDDED	A61B 90/11
(32) 09.04.2015	CONDUCTORS	A61B 17/00
(33) United States of America	(73) Philips Image Guided Therapy	A61B 90/96
(51) A61B 5/00	Corporation	A61B 90/00
A61B 5/318	(72) BURKETT, David H.	A61B 90/98
(11) EP3679860	(31) 201461935113 P	(11) EP3785626
(21) EP17924386.0	(32) 03.02.2014	(21) EP20202521.9
(47) 22.06.2022	(33) United States of America	(47) 22.06.2022
(87) CN2017101065	(51) A61B 5/024	(22) 27.04.2018
14.03.2019	A61B 5/1455	(54) MAGNETIZING SYSTEM FOR NEEDLE
(22) 08.09.2017	(11) EP3846681	ASSEMBLIES
(54) CONTROL METHOD AND SYSTEM	(21) EP20736340.9	(73) Bard Access Systems, Inc.
FOR FILTERING OUT WORKING	(47) 22.06.2022	(72) Prince, Matthew J.
FREQUENCY INTERFERENCE SIGNAL	(87) EP2020069044	Lindekugel, Eric W.
(73) Maisonburg (Shenzhen) Technology	21.01.2021	(31) 201762491037 P
Development Co., Ltd.	(22) 07.07.2020	(32) 27.04.2017
(72) ZHANG, Tongsheng	(54) DEVICE AND SYSTEM TO CONTROL	(33) United States of America
(51) A61B 5/0205	ACTIVATION AND CONFIGURATION	(51) A61B 5/103
A61B 5/0215	OF PULSE DETECTION AND PULSE	A61C 19/045
A61B 5/029	OXIMETRY MEASUREMENTS DURING	A61D 5/00
(11) EP3370608	CPR	(11) EP2509495
(21) EP15907940.9	(73) Koninklijke Philips N.V.	(21) EP09804061.1
(47) 22.06.2022	(72) VAN DE LAAR, Jakob	(47) 22.06.2022
(87) US2015058982	WIJSHOFF, Ralph, Wilhelm, Christianus,	(87) IB2009055648
11.05.2017	Gemma, Rosa	16.06.2011
(22) 04.11.2015	MUEHLSTEFF, Jens	(22) 10.12.2009
(54) SYSTEM FOR QUANTIFYING	(31) 19186879	(54) A DEVICE FOR MEASURING THE
FLOW CONDUCTANCE IN THE	(32) 18.07.2019	ANGLES OF INCLINATION OF THE
VASCULATURE	(33) European Patent Office (EPO)	INCISOR OCCLUSAL PLANE OF
(73) Asia Pacific Medical Technology	(51) A61B 5/06	EQUIDAE AND OTHER ANIMALS
Development Company, Ltd	(11) EP3666184	(73) Pellachin, Matteo
(72) GILBERT, John, R.	(21) EP19214706.4	(72) Pellachin, Matteo
(51) A61B 5/021	(47) 22.06.2022	(51) A61B 5/11
A61B 5/024	(22) 10.12.2019	G16H 40/63
A61B 5/1455	(54) COMBINING CATHETER	A61B 5/145
A61B 5/00	VISUALIZATION FROM DIFFERENT	A61B 5/00
A61B 5/0245	COORDINATE FRAMES	(11) EP3801213
(11) EP3790458	(73) Biosense Webster (Israel) Ltd.	(21) EP19739677.3
(21) EP19725423.8	(72) YARON, Uri	(47) 22.06.2022
(47) 22.06.2022	TURGEMAN, Aharon	(87) FR2019051261
(87) IL2019050503	ROSENBERG, Avigdor	05.12.2019
14.11.2019	(31) 201816215893	(22) 28.05.2019
(22) 05.05.2019	(32) 11.12.2018	(54) METHOD FOR DETECTING A
(54) A DISPLACEMENT SENSOR FOR	(33) United States of America	QUANTITY OF NO PRODUCED BY
USE IN MEASURING BIOLOGICAL	(51) A61B 5/06	THE SUBJECT UNDER TEST, AND
PARAMETERS	(11) EP2618727	APPARATUS FOR CARRYING OUT
(73) Cardiacsense Ltd.	(21) EP11827551.0	SAID METHOD
(72) SHEMESH, Eldad	(47) 22.06.2022	(73) NOPTRACK
KOUPERMAN, Igor	(87) US2011052793	(72) FAVRE, Gilles
SPEKTOR, Boris	29.03.2012	RIVIERE, Philippe
(31) 26398318	(22) 22.09.2011	PEREZ, Yoann
26146618	(54) APPARATUS AND METHOD FOR	VIALARD, Luc
25927518	CATHETER NAVIGATION USING	AMATORE, Christian
(32) 26.12.2018	ENDOVASCULAR ENERGY MAPPING	AUBAGNAC, Jean-Christophe
29.08.2018	(73) C. R. Bard, Inc.	LABRUNEE, Marc
10.05.2018	(72) GRUNWALD, Sorin	DAUMAS, Frédéric

(31) 1854495	(47) 22.06.2022	(31) 18190239
(32) 28.05.2018	(87) EP2020055104	(32) 22.08.2018
(33) France	17.09.2020	(33) European Patent Office (EPO)
(51) A61B 5/1486	(22) 27.02.2020	(51) A61B 8/14
B01D 71/80	(54) SYSTEM FOR X-RAY DARK	A61B 8/00
C12Q 1/00	FIELD; PHASE CONTRAST AND	A61B 8/08
B01D 71/40	ATTENUATION TOMOSYNTHESIS	A61B 8/15
B01D 69/02	IMAGE ACQUISITION	G01S 15/89
(11) EP3787509	(73) Koninklijke Philips N.V.	(11) EP3701877
(21) EP19722557.6	(72) BRENDDEL, Bernhard, Johannes	(21) EP18870819.2
(47) 22.06.2022	KOEHLER, Thomas	(47) 22.06.2022
(87) EP2019061177	YAROSHENKO, Andriy	(87) JP2018039356
07.11.2019	(31) 19161518	02.05.2019
(22) 02.05.2019	(32) 08.03.2019	(22) 23.10.2018
(54) IMPROVED DIFFUSION LAYER FOR	(33) European Patent Office (EPO)	(54) ULTRASOUND DIAGNOSTIC SYSTEM
AN ENZYMATIC IN-VIVO SENSOR	(51) A61B 6/02	AND ULTRASOUND DIAGNOSTIC
(73) F. Hoffmann-La Roche AG	A61B 6/00	METHOD
(72) STECK, Alexander	G16H 30/20	(73) Lily Medtech Inc.
OCVIRK, Gregor	(11) EP3785635	The University of Tokyo
FUERST, Angelika	(21) EP20191411.6	(72) SAKUMA, Ichiro
WOEHRLE, Juergen	(47) 22.06.2022	TANG, Tianhan
(31) 18170896	(22) 17.08.2020	AZUMA, Takashi
(32) 04.05.2018	(54) IMAGE DISPLAY DEVICE, IMAGE	NAKAMURA, Hirofumi
(33) European Patent Office (EPO)	DISPLAY METHOD, IMAGE	(31) 2017205343
(51) A61B 5/283	DISPLAY PROGRAM AND IMAGE	(32) 24.10.2017
A61B 5/00	MANAGEMENT DEVICE	(33) Japan
A61B 5/287	(73) FUJIFILM Corporation	(51) A61B 17/04
A61B 5/316	(72) FUKUDA, Wataru	A61B 17/06
A61B 5/349	(31) 2019154276	(11) EP3692928
(11) EP2656784	(32) 27.08.2019	(21) EP20166063.6
(21) EP13164723.2	(33) Japan	(47) 22.06.2022
(47) 22.06.2022	(51) A61B 6/02	(22) 27.12.2016
(22) 22.04.2013	A61B 6/04	(54) SUTURE TAPE CONSTRUCT FOR
(54) Cardiac activation time detection	A61B 6/00	PROVIDING ANCHOR WITH NON-
(73) Biosense Webster (Israel) Ltd.	(11) EP3473185	SLIDING SUTURE TAPE
(72) Bar-Tal, Meir	(21) EP18189341.3	(73) ConMed Corporation
Duytschaever, Mattias Francis	(47) 22.06.2022	(72) BRESLICH, Grady
Houben, Richard Petrus Maria	(22) 16.08.2018	(31) 201562271401 P
El Haddad, Milad Abbas	(54) TOMOSYNTHESIS METHOD AND A	(32) 28.12.2015
Hayam, Gal	RADIOGRAPHIC APPARATUS	(33) United States of America
(31) 201213453249	(73) Siemens Healthcare GmbH	(51) A61B 17/04
(32) 23.04.2012	(72) Kleinszig, Gerhard	A61B 17/34
(33) United States of America	Gemmel, Alexander	(11) EP3632340
(51) A61B 5/283	Wei, Wei	(21) EP19200769.8
A61B 18/14	Kreher, Björn	(47) 22.06.2022
A61B 90/00	Yang, Qiao	(22) 01.10.2019
(11) EP3551056	Swartman, Benedict	(54) SURGICAL ACCESS DEVICE WITH
(21) EP18707425.7	Weiten, Markus	FASCIAL CLOSURE SYSTEM
(47) 22.06.2022	(31) 17197323	(73) Covidien LP
(87) IB2018050732	(32) 19.10.2017	(72) ADINOLFI, Amanda
09.08.2018	(33) European Patent Office (EPO)	SOMASUNDARAM, Krishnakumar
(22) 06.02.2018	(51) A61B 8/08	BUYDA, Oksana
(54) CARDIAC CATHETER WITH	A61B 8/12	(31) 201916550470
DEFORMABLE BODY	A61B 34/20	201862739909 P
(73) St. Jude Medical International Holding	A61B 34/30	(32) 26.08.2019
S.à r.l.	A61B 90/00	02.10.2018
(72) ROMOSCANU, Alexandre	(11) EP3840662	(33) United States of America
(31) 201762541805 P	(21) EP19755361.3	United States of America
201762455048 P	(47) 22.06.2022	(51) A61B 17/072
(32) 07.08.2017	(87) EP2019071889	(11) EP3610802
06.02.2017	27.02.2020	(21) EP19191312.8
(33) United States of America	(22) 15.08.2019	(47) 22.06.2022
United States of America	(54) CORONARY CIRCULATION USING	(22) 12.08.2019
(51) A61B 6/00	INTRA-CARDIAC ECHO	(54) FIRING SYSTEM FOR LINEAR
G01N 23/041	(73) Koninklijke Philips N.V.	SURGICAL STAPLER
A61B 6/02	(72) GRASS, Michael	(73) Ethicon LLC
(11) EP3934537	VAN DER HORST, Arjen	(72) DECK, Andrew C.
(21) EP20706298.5	HAASE, Christian	JONES, Jason

SCHINGS, Brian D.	(47) 22.06.2022	(87) US2017035543
BAKOS, Gregory J.	(87) EP2019060199	07.12.2017
(31) 201816102164	24.10.2019	(22) 01.06.2017
(32) 13.08.2018	(22) 18.04.2019	(54) INVERTING THROMBECTOMY
(33) United States of America	(54) CLIP APPLICATOR	APPARATUSES
(51) A61B 17/115	(73) Aesculap AG	(73) Stryker Corporation
(11) EP3320858	(72) SAUTER, Wolfgang	(72) GREENHALGH, E., Skott
(21) EP17201266.8	PLEIL, Thomas	WALLACE, Michael, P.
(47) 22.06.2022	(31) 102018109427	(31) 201662345152 P
(22) 13.11.2017	(32) 19.04.2018	(32) 03.06.2016
(54) CIRCULAR SURGICAL STAPLER WITH	(33) Germany	(33) United States of America
RECESSED DECK	(51) A61B 17/128	(51) A61B 17/22
(73) Ethicon LLC	A61B 17/29	A61B 17/32
(72) SHELTON, IV, Frederick, E.	(11) EP3610806	(11) EP3160365
MILLER, Christopher, C.	(21) EP19191224.5	(21) EP15711987.6
(31) 201615350513	(47) 22.06.2022	(47) 22.06.2022
(32) 14.11.2016	(22) 12.08.2019	(87) US2015019686
(33) United States of America	(54) BILATERAL SPRING FOR SURGICAL	11.02.2016
(51) A61B 17/115	INSTRUMENTS AND SURGICAL	(22) 10.03.2015
A61B 17/072	INSTRUMENTS INCLUDING THE SAME	(54) IMPACT DRILL LITHOTRIPTER
A61B 17/00	(73) Covidien LP	(73) Gyrus ACMI, Inc., d.b.a. Olympus
A61B 90/00	(72) DININO, Matthew A.	Surgical Technologies America
(11) EP3600078	BARIL, Jacob C.	(72) TIE, Hu
(21) EP17902033.4	THOMAS, Justin	SHELTON, Kurt G.
(47) 22.06.2022	PILLETERE, Roy J.	COOK, Chris A.
(87) CN2017077862	(31) 201916433049	(31) 201462034876 P
27.09.2018	201862717988 P	(32) 08.08.2014
(22) 23.03.2017	(32) 06.06.2019	(33) United States of America
(54) CIRCULAR STAPLING DEVICE WITH	13.08.2018	(51) A61B 17/22
ALIGNMENT SPLINES	(33) United States of America	A61M 25/10
(73) Covidien LP	United States of America	(11) EP3473195
(72) ZHANG, Xiliang	(51) A61B 17/15	(21) EP18198829.6
WANG, Zhaokai	A61B 17/56	(47) 22.06.2022
(51) A61B 17/12	(11) EP3928720	(22) 05.10.2018
(11) EP3572011	(21) EP20217077.5	(54) CATHETER FOR GENERATING PULSE
(21) EP19183387.0	(47) 22.06.2022	WAVES WITHIN VASCULATURE
(47) 22.06.2022	(22) 23.12.2020	(73) Medtronic Vascular Inc.
(22) 14.03.2013	(54) DISTAL FEMORAL CONDYLE BONE	(72) Morris, Cassandra
(54) DEVICES FOR THE TREATMENT OF	DEFECT OSTEOTOMY GUIDE	Lawinger, Jason
VASCULAR DEFECTS	(73) Beijing Lidakang Technology Co., Ltd	(31) 201715788582
(73) Covidien LP	(72) WANG, Donglin	(32) 19.10.2017
(72) Aboytes, Maria	LI, Jiandong	(33) United States of America
Rosqueta, Arturo S	JIA, Jingliang	(51) A61B 17/29
(31) 201213421122	(31) 202010599163	(11) EP2713910
(32) 15.03.2012	(32) 28.06.2020	(21) EP12726542.9
(33) United States of America	(33) China	(47) 22.06.2022
(51) A61B 17/122	(51) A61B 17/20	(87) US2012040015
A61B 17/128	A61B 17/32	06.12.2012
(11) EP3643254	A61M 1/00	(22) 30.05.2012
(21) EP18820408.5	(11) EP3777721	(54) GRIP FORCE CONTROL IN A
(47) 22.06.2022	(21) EP20193290.2	ROBOTIC SURGICAL INSTRUMENT
(87) JP2018015150	(47) 22.06.2022	(73) Intuitive Surgical Operations, Inc.
27.12.2018	(22) 29.09.2011	(72) BRISSON, Gabriel F.
(22) 11.04.2018	(54) POWER ASSISTED LIPOPLASTY	(31) 201161491804 P
(54) CLIPPING TOOL	(73) Solta Medical, Inc.	(32) 31.05.2011
(73) FUJIFILM Corporation	(72) SIEBRECHT, Wayne A.	(33) United States of America
(72) TSUCHIYA, Syuji	MOGILL, David B.	(51) A61B 17/29
ITOH, Koji	MERCHANT, Adnan I	A61B 17/128
SUZUKI, Issei	(31) 38797810 P	A61B 18/14
(31) 2017121530	(32) 29.09.2010	A61B 17/295
(32) 21.06.2017	(33) United States of America	A61B 34/30
(33) Japan	(51) A61B 17/22	A61B 17/00
(51) A61B 17/128	A61B 17/221	A61B 90/00
A61B 17/28	A61B 17/34	A61B 17/122
A61B 17/00	A61B 17/00	A61B 17/062
(11) EP3781047	(11) EP3463114	A61B 17/068
(21) EP19719259.4	(21) EP17729703.3	A61B 18/00
	(47) 22.06.2022	(11) EP3476329

(21) EP18203348.0	28.03.2018	(72) NOTT, Cameron R.
(47) 22.06.2022	28.03.2018	LEUCK, Stephen M.
(22) 30.10.2018	28.02.2018	YATES, David C.
(54) SURGICAL INSTRUMENTS	28.02.2018	ROBERSON, Eric M.
COMPRISING A SYSTEM FOR	28.02.2018	JAYME, Madeleine C.
ARTICULATION AND ROTATION	28.02.2018	SCOGGINS, Patrick J.
COMPENSATION	28.02.2018	BLACK, Brian D.
(73) Ethicon LLC	28.02.2018	SHELTON, IV Frederick E.
(72) SHELTON, IV Frederick E.	28.12.2017	QUIGLEY, Fergus P.
HARRIS, Jason L.	28.12.2017	FALLER, Craig N.
BAXTER, III Chester O.	28.12.2017	SAWHNEY, Amrita S.
(31) 201816112151	30.10.2017	GEE, Jacob S.
201862665192 P	30.10.2017	(31) 201816115205
201862665177 P	30.10.2017	201862721995 P
201862665139 P	30.10.2017	201862721998 P
201862665134 P	30.10.2017	201862721999 P
201862665129 P	30.10.2017	201862721994 P
201862665128 P	(33) United States of America	201862721996 P
201862659900 P	United States of America	201862692747 P
201862649333 P	United States of America	201862692748 P
201862649327 P	United States of America	201862692768 P
201862649323 P	United States of America	201862650887 P
201862649320 P	United States of America	201862650877 P
201862649315 P	United States of America	201862650882 P
201862649313 P	United States of America	201862650898 P
201862649310 P	United States of America	201862640417 P
201862649309 P	United States of America	201862640415 P
201862649307 P	United States of America	201762611339 P
201862649302 P	United States of America	201762611340 P
201862649300 P	United States of America	201762611341 P
201862649296 P	United States of America	(32) 28.08.2018
201862649294 P	United States of America	23.08.2018
201862649291 P	United States of America	23.08.2018
201815908143	United States of America	23.08.2018
201815908058	United States of America	23.08.2018
201815908057	United States of America	23.08.2018
201815908040	United States of America	30.06.2018
201815908021	United States of America	30.06.2018
201815908012	United States of America	30.06.2018
201762611341 P	United States of America	30.03.2018
201762611340 P	United States of America	30.03.2018
201762611339 P	United States of America	30.03.2018
201762578855 P	United States of America	30.03.2018
201762578844 P	United States of America	08.03.2018
201762578835 P	United States of America	08.03.2018
201762578817 P	United States of America	28.12.2017
201762578804 P	United States of America	28.12.2017
201762578793 P	United States of America	28.12.2017
(32) 24.08.2018	United States of America	(33) United States of America
01.05.2018	United States of America	United States of America
01.05.2018	United States of America	United States of America
01.05.2018	United States of America	United States of America
01.05.2018	United States of America	United States of America
01.05.2018	United States of America	United States of America
01.05.2018	United States of America	United States of America
19.04.2018	(51) A61B 17/32	United States of America
28.03.2018	A61B 18/12	United States of America
28.03.2018	A61B 34/30	United States of America
28.03.2018	A61B 90/00	United States of America
28.03.2018	A61B 17/00	United States of America
28.03.2018	A61B 17/072	United States of America
28.03.2018	(11) EP3505102	United States of America
28.03.2018	(21) EP18275244.4	United States of America
28.03.2018	(47) 22.06.2022	United States of America
28.03.2018	(22) 28.12.2018	United States of America
28.03.2018	(54) TEMPERATURE CONTROL OF	United States of America
28.03.2018	ULTRASONIC END EFFECTOR AND	United States of America
28.03.2018	CONTROL SYSTEM THEREFOR	(51) A61B 17/3207
28.03.2018	(73) Ethicon LLC	A61B 17/00

(11) EP3747380	(54) BONE PLATE WITH ACCESSORY	201862640415 P
(21) EP20178387.5	ELEMENTS ATTACHED AT BONE	201762611341 P
(47) 22.06.2022	FASTENER HOLES	201762611340 P
(22) 04.06.2020	(73) Biedermann Technologies GmbH & Co.	201762611339 P
(54) APPARATUS FOR BREAKING	KG	(32) 29.06.2018
THROMBUS AND ASPIRATING	(72) BIEDERMANN, Markku	28.06.2018
THROMBUS	(31) 201962812060 P	30.03.2018
(73) Sinomed Neurovita Technology Inc.	(32) 28.02.2019	30.03.2018
(72) LI, JING	(33) United States of America	30.03.2018
LI, TIANZHU	(51) A61B 18/00	30.03.2018
LI, ZHONGHUA	A61B 18/02	08.03.2018
MIAO, ZHONGRONG	A61B 18/14	08.03.2018
MA, JIANXIANG	(11) EP3551108	28.12.2017
(31) 201910490706	(21) EP18751211.6	28.12.2017
(32) 06.06.2019	(47) 22.06.2022	28.12.2017
(33) China	(87) US2018017645	(33) United States of America
(51) A61B 17/3207	16.08.2018	United States of America
A61B 17/00	(22) 09.02.2018	United States of America
A61M 25/01	(54) APPARATUS AND METHOD FOR	United States of America
A61B 17/22	CRYOABLATION	United States of America
(11) EP2037821	(73) St. Jude Medical, Cardiology Division,	United States of America
(21) EP07812507.7	Inc.	United States of America
(47) 22.06.2022	(72) HOU, Wenbo	United States of America
(87) US2007072570	MIN, Xiaoyi	United States of America
10.01.2008	(31) 201762457666 P	United States of America
(22) 29.06.2007	(32) 10.02.2017	United States of America
(54) ATHERECTOMY DEVICES	(33) United States of America	(51) A61B 34/30
(73) Atheromed, Inc.	(51) A61B 18/14	A61B 17/32
(72) DANEK, Christopher James	A61B 18/00	A61B 17/02
TO, John	A61B 18/12	(11) EP3258873
ESCUDERO, Paul	(11) EP3332725	(21) EP16752762.1
(31) 567715	(21) EP16203234.6	(47) 22.06.2022
551191	(47) 22.06.2022	(87) US2016014002
820475 P	(22) 09.12.2016	25.08.2016
806417 P	(54) CONNECTOR, MEDICAL INSTRUMENT	(22) 20.01.2016
(32) 06.12.2006	AND METHOD FOR MANUFACTURING	(54) ROBOTIC SURGICAL ASSEMBLIES
19.10.2006	A MEDICAL INSTRUMENT	AND ELECTROSURGICAL
26.07.2006	(73) Sutter Medizintechnik GmbH	INSTRUMENTS THEREOF
30.06.2006	(72) Weitkamp, Dirk	(73) Covidien LP
(33) United States of America	(51) A61B 18/14	(72) KOPP, Brock
United States of America	A61M 1/00	(31) 201562116664 P
United States of America	B01D 46/00	(32) 16.02.2015
United States of America	A61B 17/32	(33) United States of America
(51) A61B 17/70	A61B 34/37	(51) A61B 50/30
A61B 90/00	A61B 18/00	A61B 50/00
(11) EP3383291	A61B 17/00	(11) EP3313319
(21) EP16805150.6	(11) EP3505126	(21) EP16728309.2
(47) 22.06.2022	(21) EP18275262.6	(47) 22.06.2022
(87) EP2016079616	(47) 22.06.2022	(87) EP2016063204
08.06.2017	(22) 28.12.2018	05.01.2017
(22) 02.12.2016	(54) SURGICAL EVACUATION SYSTEM	(22) 09.06.2016
(54) MEDICAL INSTRUMENT AND MEDICAL	WITH A COMMUNICATION CIRCUIT	(54) STERILE CONTAINER WITH A
EQUIPMENT	FOR COMMUNICATION BETWEEN A	MULTITUDE OF CENTRALLY
(73) Aesculap AG	FILTER AND A SMOKE EVACUATION	ACTUABLE LOCKING ELEMENTS
(72) KRÜGER, Sven	DEVICE	(73) Aesculap AG
FISCHER, Kay	(73) Ethicon LLC	(72) WEISSHAUPT, Dieter
LINDNER, Stephan	(72) ALDRIDGE, Jeffrey L.	(31) 102015110419
(31) 102015120955	HARRIS, Jason L.	(32) 29.06.2015
(32) 02.12.2015	YATES, David C.	(33) Germany
(33) Germany	DANZIGER, Benjamin J.	(51) A61C 1/08
(51) A61B 17/80	SHELTON, IV Frederick E.	(11) EP3716884
A61B 17/86	(31) 201816024265	(21) EP18825785.1
(11) EP3701895	201862691262 P	(47) 22.06.2022
(21) EP20159539.4	201862650887 P	(87) IB2018059511
(47) 22.06.2022	201862650877 P	06.06.2019
(22) 26.02.2020	201862650882 P	(22) 30.11.2018
	201862650898 P	(54) VARIABLE-CONSTRAINT
	201862640417 P	MECHANICAL GUIDE SYSTEM FOR

PERFORMING GUIDED DENTAL IMPLANT PROCEDURES	(72) SCHNEIDER, Sascha DERZAPF, Evgenij SEIBERT, Frank	(72) CARTLEDGE, Richard G. CARTLEDGE, John GASKINS, Ralph E.
(73) Toledano, Luca		
(72) Toledano, Luca	(51) A61C 13/15	(31) 834627 P
(31) 201700138179	(11) EP3692947	834401 P
(32) 30.11.2017	(21) EP19155640.6	(32) 01.08.2006
(33) Italy	(47) 22.06.2022	31.07.2006
(51) A61C 7/14	(22) 06.02.2019	(33) United States of America
A61C 7/20	(54) POLYMERISATION AND COATING	United States of America
A61C 7/28	DEVICE	(51) A61F 2/12
(11) EP3629989	(73) Ivoclar Vivadent AG	B33Y 10/00
(21) EP18806649.2	(72) Benz, Oliver	A61F 2/00
(47) 22.06.2022	(51) A61C 17/22	B29C 64/118
(87) US2018028680	A61C 17/02	A61L 27/24
29.11.2018	(11) EP3826578	B33Y 80/00
(22) 20.04.2018	(21) EP19745103.2	(11) EP3764947
(54) ORTHODONTIC SYSTEM WITH	(47) 22.06.2022	(21) EP19716586.3
VARIABLY-SIZED ARCHWIRE SLOT	(87) EP2019069837	(47) 22.06.2022
(73) World Class Technology Corporation	30.01.2020	(87) IT2019050054
(72) PITTS, Thomas	(22) 23.07.2019	19.09.2019
RUIZ-VELA, Alberto	(54) WORKPIECE RETENTION	(22) 13.03.2019
(31) 201715601646	MECHANISM FOR ORAL CARE	(54) MESH OR MEMBRANE COVERING
(32) 22.05.2017	DEVICE	FOR PROSTHESES MADE OF
(33) United States of America	(73) Koninklijke Philips N.V.	BIOLOGIC OR BIOSYNTHETIC
(51) A61C 8/00	(72) GROVES, Jeffrey	MATERIAL, COMPRISING A
(11) EP3322375	(31) 201862702446 P	SYSTEM FOR FIXATION TO THE
(21) EP16741815.1	(32) 24.07.2018	PROSTHESIS, AND CORRESPONDING
(47) 22.06.2022	(33) United States of America	MANUFACTURING METHOD
(87) US2016042480	(51) A61F 2/01	(73) Nanni, Flavio
19.01.2017	A61B 17/221	Cara, Nello
(22) 15.07.2016	A61F 2/95	Gulizia, Federica
(54) DENTAL IMPLANT ASSEMBLY HAVING	(11) EP2943148	Varano, Valter
SEALING FEATURES AT COMPONENT	(21) EP13812257.7	(72) NANNI, Flavio
INTERFACES	(47) 22.06.2022	(31) 201800009810
(73) Biomet 3i, LLC	(87) US2013071956	201800003509
(72) ROGERS, Dan P.	17.07.2014	(32) 26.10.2018
SUTTIN, Zachary B.	(22) 26.11.2013	13.03.2018
(31) 201562193496 P	(54) CONNECTION OF AN	(33) Italy
(32) 16.07.2015	ENDOVASCULAR INTERVENTION	Italy
(33) United States of America	DEVICE TO A MANIPULATION	(51) A61F 2/24
(51) A61C 8/00	MEMBER	(11) EP2583640
(11) EP3703609	(73) Covidien LP	(21) EP12007899.3
(21) EP18807724.2	(72) EPSTEIN, Evan, David	(47) 22.06.2022
(47) 22.06.2022	MOLAEI, Masoud	(22) 15.02.2007
(87) IT2018050208	WAINWRIGHT, John	(54) Minimally invasive replacement heart
09.05.2019	JOHNSON, Garrett	valve
(22) 26.10.2018	BUSS, Joachim	(73) Venus MedTech (HangZhou), Inc.
(54) ABUTMENT FOR DENTAL IMPLANTS,	LOSORDO, Michael, Louis	(72) Götz, Wolfgang
PARTICULARLY FOR DENTAL	(31) 201313835130	Lim, Hou-Sen
INTERVENTIONS IN ASSISTED	201313834945	(31) 774821
SURGERY	201361750742 P	(32) 16.02.2006
(73) Megagen Implant Co., Ltd.	(32) 15.03.2013	(33) United States of America
(72) RUECA, Francesco	15.03.2013	(51) A61F 2/24
LUONGO, Giuseppe	09.01.2013	(11) EP2575681
(31) 201700123725	(33) United States of America	(21) EP11721068.2
(32) 31.10.2017	United States of America	(47) 22.06.2022
(33) Italy	United States of America	(87) EP2011058506
(51) A61C 9/00	(51) A61F 2/06	01.12.2011
A61C 13/00	A61F 2/07	(22) 24.05.2011
(11) EP3666225	A61F 2/954	(54) PROSTHETIC HEART VALVE AND
(21) EP18211695.4	A61F 2/95	TRANSCATHETER DELIVERED
(47) 22.06.2022	(11) EP3360509	ENDOPROSTHESIS COMPRISING A
(22) 11.12.2018	(21) EP18164018.6	PROSTHETIC HEART VALVE AND A
(54) METHOD FOR CREATING A GRAPHIC	(47) 22.06.2022	STENT
REPRESENTATION OF A DENTAL	(22) 31.07.2007	(73) JenaValve Technology, Inc.
CONDITION	(54) SEALABLE ENDOVASCULAR	(72) GIRARD, Michael J.
(73) SIRONA Dental Systems GmbH	IMPLANTS	MAYER, Arnulf
Dentsply Sirona Inc.	(73) Syntheon TAVR, LLC	LANE, Randy

(31) 348036 P	D02G 3/12	(22) 21.02.2018
10163831	D03D 1/00	(54) DENIM AND OTHER COMPRESSION
(32) 25.05.2010	A61L 31/02	GARMENTS AND METHODS FOR
25.05.2010	(11) EP3405145	FORMING THE SAME
(33) United States of America	(21) EP17742019.7	(73) Sanko Tekstil Isletmeleri San. Ve Tic.
European Patent Office (EPO)	(47) 22.06.2022	A.S.
(51) A61F 2/44	(87) US2017014355	(72) MERT, Serkan
A61B 17/70	27.07.2017	KONUKOGLU, Fatih
A61B 17/88	(22) 20.01.2017	(31) 17167582
A61B 17/86	(54) WOVEN OR BRAIDED TUBULAR	(32) 21.04.2017
A61F 2/46	METAL CONSTRUCT	(33) European Patent Office (EPO)
(11) EP3207901	(73) Fort Wayne Metals Research Products	(51) A61F 13/475
(21) EP17166577.1	Corporation	A61F 13/532
(47) 22.06.2022	Michael, Mark	A61F 13/533
(22) 24.02.2010	Mitchell, Robert A.	A61F 13/42
(54) SPINE STABILIZATION DEVICE	(72) MICHAEL, Mark	D04H 1/54
(73) SpineWelding AG	MITCHELL, Robert A.	D04H 3/005
(72) Goebel-Mehl, Stephanie	(31) 201662286062 P	(11) EP3827798
Berra, Milica	(32) 22.01.2016	(21) EP20213288.2
Wenger, Andreas	(33) United States of America	(47) 22.06.2022
Seiler, Philipp	(51) A61F 2/915	(22) 21.03.2019
Weber, Urs	(11) EP3431052	(54) ABSORBENT ARTICLES
Lehmann, Mario	(21) EP18275098.4	(73) Ontex Group NV
Phillips, Frank M.	(47) 22.06.2022	Ontex BV
Müller, Andrea	(22) 16.07.2018	(72) Weber, Ainas
Aeschlimann, Marcel	(54) STENT WITH SEGMENTS CAPABLE	Coppejans, Toon
Hochschuler, Stephen	OF UNCOUPLING DURING	Dzaferi, Gezime
Mock, Elmar	EXPANSION	Lambertz, Christina
Yuan, Hansen	(73) Cook Medical Technologies LLC	Ingenfeld, Björn
Berlemann, Ulrich	(72) Swift, Richard	Schneider, Jochen F.
Mayer, Jörg	Milner, Keith	(51) A61F 13/49
(31) 302608 P	Kim, Woong	A61F 13/15
242071 P	(31) 201762534306 P	A61F 13/551
155241 P	(32) 19.07.2017	(11) EP3509552
(32) 09.02.2010	(33) United States of America	(21) EP17848234.5
14.09.2009	(51) A61F 5/042	(47) 22.06.2022
25.02.2009	A61H 1/02	(87) IB2017055345
(33) United States of America	A61F 5/058	15.03.2018
United States of America	(11) EP2844198	(22) 05.09.2017
United States of America	(21) EP13784790.1	(54) ABSORBENT ARTICLE WITH
(51) A61F 2/82	(47) 22.06.2022	ADJUSTABLE CLOSURE
A61F 2/24	(87) CA2013000425	(73) Associated Hygienic Products LLC
A61F 2/90	07.11.2013	(72) SCHROER, JR., Charles F.
A61F 2/00	(22) 30.04.2013	KAISER, Thomas A.
(11) EP2538893	(54) APPARATUS FOR TREATMENT OF	(31) 201662383966 P
(21) EP11704365.3	LATERAL EPICONDYLITIS (TENNIS	(32) 06.09.2016
(47) 22.06.2022	ELBOW)	(33) United States of America
(87) US2011023641	(73) Tennis Elbow R & D Ltd.	(51) A61F 13/49
01.09.2011	(72) LAURENSSE, Mark James	A61F 13/514
(22) 03.02.2011	(31) 201261641149 P	A61F 13/15
(54) MITRAL PROSTHESIS	(32) 01.05.2012	A61F 13/84
(73) Medtronic, Inc.	(33) United States of America	(11) EP3439600
(72) TUVAL, Yossi	(51) A61F 11/20	(21) EP16897579.5
(31) 307743 P	(11) EP3620140	(47) 22.06.2022
201113016866	(21) EP19203097.1	(87) CN2016078775
(32) 24.02.2010	(47) 22.06.2022	12.10.2017
28.01.2011	(22) 17.07.2013	(22) 08.04.2016
(33) United States of America	(54) ONE STEP TYMPANOSTOMY TUBE	(54) WEARABLE ARTICLE HAVING
United States of America	(73) Domestic Legacy Limited Partnership	ARTWORK
(51) A61F 2/86	(72) FRITSCH, Michael H.	(73) The Procter & Gamble Company
A61B 17/84	(31) 201313764875	(72) MORIMOTO, Koichi
D04C 1/02	(32) 12.02.2013	(51) A61F 13/532
D04C 1/06	(33) United States of America	(11) EP3777804
A61L 31/14	(51) A61F 13/08	(21) EP18911488.7
A61F 2/06	A41D 1/06	(47) 22.06.2022
A61F 2/90	(11) EP3391862	(87) JP2018015360
A61B 17/82	(21) EP18157851.9	03.10.2019
D03D 3/02	(47) 22.06.2022	(22) 12.04.2018

- (54) ABSORBENT ARTICLE
(73) Unicharm Corporation
(72) SHIMAZU, Takeshi
MIYAMAE, Naomu
NAKAO, Hitomi
MIYAZAKI, Hirokazu
(31) 2018062380
(32) 28.03.2018
(33) Japan
-
- (51) A61G 1/02
B60L 50/60
B60L 15/00
A61G 7/08
(11) EP2295015
(21) EP10176290.4
(47) 22.06.2022
(22) 10.09.2010
(54) Powered transport system and control methods
(73) Hill-Rom Services, Inc.
(72) Hamberg, Stephen R.
Reinke, Christian H.
Bhai, Aziz A.
McCaig, Steven V.
(31) 241388 P
(32) 10.09.2009
(33) United States of America
-
- (51) A61H 1/02
A61H 3/00
(11) EP3701927
(21) EP20162193.5
(47) 22.06.2022
(22) 21.12.2017
(54) SOFT WEARABLE MUSCLE ASSISTING DEVICE
(73) ETH Zurich
(72) RIENER, Robert
DUARTE, Jaime
SCHMIDT, Kai
(31) 16207252
(32) 29.12.2016
(33) European Patent Office (EPO)
-
- (51) A61H 23/02
A61H 7/00
(11) EP2533747
(21) EP11707565.5
(47) 22.06.2022
(87) DE2011075004
18.08.2011
(22) 18.01.2011
(54) APPARATUS FOR TREATING A PATIENT WITH VIBRATORY, TACTILE AND/OR THERMAL STIMULI
(73) Tass, Peter
(72) TASS, Peter, Alexander
MAYOR, Laetitia
ROULET, Jean-Christophe
SCHNELL, Urban
(31) 102010000390
(32) 11.02.2010
(33) Germany
-
- (51) A61H 31/00
(11) EP3220873
(21) EP15861123.6
(47) 22.06.2022
(87) US2015060926
26.05.2016
(22) 16.11.2015
- (54) CPR CHEST COMPRESSION MACHINE ADJUSTING MOTION-TIME PROFILE IN VIEW OF DETECTED FORCE
(73) Physio-Control, Inc.
(72) LONDON, Ryan
VON SCHENCK, Erik
NILSSON, Anders
KAVOUNAS, Gregory, T.
MELLBERG, Bo
HARDIG, Bjarne Madsen
JEPPSSON, Anders
SZUL, Krystyna
RASMUSSEN, Paul
LAGERSTROM, Jonas
SMITH, Mitchell A.
DUKE, Steven B.
LINDROTH, Sara
EHRSTEDT, Marcus
CHAPMAN, Fred
ARNWALD, Fredrik
(31) 201514616056
201462080969 P
(32) 06.02.2015
17.11.2014
(33) United States of America
United States of America
-
- (51) A61H 31/00
A61N 1/00
A61N 1/39
A61M 5/142
(11) EP3530255
(21) EP19167635.2
(47) 22.06.2022
(22) 11.09.2006
(54) SYNCHRONIZATION OF REPETITIVE THERAPEUTIC INTERVENTIONS
(73) Zoll Medical Corporation
(72) Lisogurski, Daniel M
Freeman, Gary A
(31) 227968
(32) 14.09.2005
(33) United States of America
-
- (51) A61J 1/20
(11) EP3157491
(21) EP15810046.1
(47) 22.06.2022
(87) US2015036305
23.12.2015
(22) 17.06.2015
(54) PRESSURE-REGULATING VIAL ADAPTORS
(73) ICU Medical, Inc.
(72) FANGROW, Thomas F.
(31) 201462014872 P
(32) 20.06.2014
(33) United States of America
-
- (51) A61K 6/00
A61K 6/60
A61K 6/90
(11) EP3370679
(21) EP16805921.0
(47) 22.06.2022
(87) US2016060042
11.05.2017
(22) 02.11.2016
- (54) HYDROPHILIC IMPRESSION MATERIAL WITH IMPROVED STORAGE STABILITY
(73) Dentsply Sirona Inc.
(72) ANGELETAKIS, Christos
(31) 201562249509 P
(32) 02.11.2015
(33) United States of America
-
- (51) A61K 8/06
A61Q 19/00
A61K 8/897
A61K 8/25
A61K 8/02
A61K 8/00
C09C 1/30
A61K 9/00
C09K 23/00
(11) EP3796995
(21) EP19725695.1
(47) 22.06.2022
(87) EP2019062851
28.11.2019
(22) 17.05.2019
(54) METHOD FOR PRODUCING STABILIZED OIL-IN-WATER TYPE EMULSION
(73) Wacker Chemie AG
(72) KIMURA, Mikiko
IGARASHI, Kenji
(31) 2018096768
(32) 21.05.2018
(33) Japan
-
- (51) A61K 8/27
A61K 8/28
A61K 8/29
A61K 8/58
A61K 8/63
A61Q 17/04
A61Q 19/00
A61K 8/891
A61K 8/31
A61K 8/36
A61K 8/365
A61Q 1/02
A61Q 19/08
A61K 8/898
A61K 8/92
A61K 8/892
A61K 8/67
A61K 8/72
A61K 8/89
A61Q 90/00
(11) EP2953604
(21) EP13868581.3
(47) 22.06.2022
(87) CN2013089837
03.07.2014
(22) 18.12.2013
(54) COSMETIC COMPOSITION
(73) Unilever IP Holdings B.V.
(72) QIU, Qiang
WANG, Xiuxia
LI, Hangsheng
YUAN, Caigen
AO, Mingqi
GHATLIA, Naresh Dhirajlal
(31) PCT/CN2012/087267
PCT/CN2012/087301

13153662	03.07.2014	FOLGER, Martin
13153664	(22) 18.12.2013	(31) 12159629
(32) 24.12.2012	(54) COSMETIC COMPOSITION	(32) 15.03.2012
24.12.2012	(73) Unilever IP Holdings B.V.	(33) European Patent Office (EPO)
01.02.2013	(72) WANG, Xiuxia	(51) A61K 9/08
01.02.2013	LI, Hangsheng	A61K 47/02
(33) World Intellectual Property Office (WIPO)	AO, Mingqi	A61K 47/10
World Intellectual Property Office (WIPO)	YUAN, Caigen	A61K 31/4184
European Patent Office (EPO)	(31) PCT/CN2012/087301	A61P 35/00
European Patent Office (EPO)	PCT/CN2012/087267	(11) EP3773498
(51) A61K 8/35	13153662	(21) EP19719428.5
A61K 8/42	13153664	(47) 22.06.2022
A61K 8/49	(32) 24.12.2012	(87) EP2019057984
A61Q 17/04	24.12.2012	03.10.2019
A61Q 19/00	01.02.2013	(22) 29.03.2019
A61K 8/06	01.02.2013	(54) LIQUID PHARMACEUTICAL
(11) EP3793513	(33) World Intellectual Property Office (WIPO)	FORMULATION
(21) EP19722914.9	World Intellectual Property Office (WIPO)	(73) Project Pharmaceuticals GmbH
(47) 22.06.2022	European Patent Office (EPO)	(72) SCHUETZ, Andreas
(87) EP2019062206	European Patent Office (EPO)	HELLERBRAND, Klaus
21.11.2019	(51) A61K 9/00	(31) 100750
(22) 13.05.2019	A61K 9/08	(32) 29.03.2018
(54) TOPICAL COMPOSITION	A61K 31/485	(33) Luxembourg
(73) DSM IP Assets B.V.	A61K 39/395	(51) A61K 31/045
(72) MENDROK-EDINGER, Christine	A61K 47/18	A61P 17/10
(31) 18173222	A61K 47/26	A61P 17/00
(32) 18.05.2018	A61P 19/00	A61P 17/06
(33) European Patent Office (EPO)	A61P 19/02	A61K 9/00
(51) A61K 8/46	A61P 25/00	A61K 47/10
A61K 8/49	A61P 29/00	A61K 9/08
A61Q 11/00	A61P 37/02	A61K 9/107
A61K 8/81	A61P 37/06	A61K 8/34
(11) EP3820435	C07K 16/24	A61Q 5/06
(21) EP19722924.8	(11) EP3756652	A61Q 19/00
(47) 22.06.2022	(21) EP20184418.0	(11) EP3796897
(87) EP2019062322	(47) 22.06.2022	(21) EP19731151.7
16.01.2020	(22) 07.01.2011	(47) 22.06.2022
(22) 14.05.2019	(54) STABILIZED FORMULATIONS	(87) EP2019063143
(54) ORAL CARE COMPOSITION	CONTAINING ANTI-INTERLEUKIN-6	28.11.2019
(73) Unilever IP Holdings B.V.	RECEPTOR (IL-6R) ANTIBODIES	(22) 21.05.2019
(72) Yi, Shangchun	(73) Regeneron Pharmaceuticals, Inc.	(54) COMPOUNDS FOR PREVENTING
LI, Yajuan	(72) DIX, Daniel, B	AND TREATING SKIN OR MUCOSAL
(31) PCT/CN2018/095646	KAMEN, Douglas, E.	AFFECTIONS HAVING AN
18188166	WALSH, Scott, M.	INFLAMMATORY COMPONENT
(32) 13.07.2018	GRAHAM, Kenneth, S.	(73) Giuliani S.p.A.
09.08.2018	(31) 29322710 P	(72) CHERET, Jérémy
(33) World Intellectual Property Office (WIPO)	(32) 08.01.2010	BARONI, Sergio
European Patent Office (EPO)	(33) United States of America	PAUS, Ralf
(51) A61K 8/58	(51) A61K 9/00	GIULIANI, Giammaria
A61Q 17/04	A61K 9/16	MARZANI, Barbara
A61Q 19/00	A61K 9/20	(31) 201800005585
A61K 8/891	A61K 9/50	(32) 22.05.2018
A61K 8/892	A61K 31/501	(33) Italy
A61K 8/898	A61K 31/55	(51) A61K 31/12
A61K 8/27	(11) EP2825159	A61K 31/19
A61K 8/28	(21) EP13709143.5	A61K 31/215
A61K 8/29	(47) 22.06.2022	A61K 36/324
A61K 8/31	(87) EP2013055310	A61P 1/00
A61K 8/36	19.09.2013	A61P 3/00
A61K 8/365	(22) 14.03.2013	A61P 9/10
A61Q 1/02	(54) PHARMACEUTICAL TABLET	A61P 11/00
A61K 8/63	FORMULATION FOR THE	A61P 13/12
A61Q 19/08	VETERINARY MEDICAL SECTOR,	A61P 17/00
A61K 8/92	METHOD OF PRODUCTION AND USE	A61P 19/02
(11) EP2934435	THEREOF	A61P 25/00
(21) EP13869168.8	(73) Boehringer Ingelheim Vetmedica GmbH	A61P 27/02
(47) 22.06.2022	(72) HOFFMANN, Ragna	A61P 29/00
(87) CN2013089870	ROBIN, Florent	A61P 31/00

A61P 35/00	CONN, P., Jeffrey	(22) 01.04.2016
A61P 37/00	LINDSLEY, Craig, W.	(54) SOLID PHARMACEUTICAL DOSAGE
(11) EP2536288	ENGERS, Darren, W.	FORM OF PARP INHIBITOR,
(21) EP10845652.6	BOLLINGER, Sean, R.	AND APPLICATION OF SOLID
(47) 22.06.2022	(31) 201762542621 P	PHARMACEUTICAL DOSAGE FORM
(87) IN2010000233	201662418651 P	OF PARP INHIBITOR
18.08.2011	(32) 08.08.2017	(73) Impact Therapeutics (Shanghai), Inc
(22) 12.04.2010	07.11.2016	(72) GUO, Yushen
(54) A NOVEL BOSWELLIA LOW POLAR	(33) United States of America	CAI, Suixiong
GUM RESIN EXTRACT AND ITS	United States of America	(31) 201510157453
SYNERGISTIC COMPOSITIONS	(51) A61K 31/4439	(32) 03.04.2015
(73) LAILA NUTRACEUTICALS	A61K 31/519	(33) China
(72) GOKARAJU, Ganga Raju	A61P 1/16	(51) A61K 31/554
GOKARAJU, Rama Raju	(11) EP3600309	C07D 281/02
GOKARAJU, Ventaka Kanaka Ranga	(21) EP18717800.9	(11) EP3116509
Raju	(47) 22.06.2022	(21) EP15762391.9
BHUPATHIRAJU, Kiran	(87) US2018024345	(47) 22.06.2022
GOLAKOTI, Trimurtulu	04.10.2018	(87) US2015020273
(31) 384CH2010	(22) 26.03.2018	17.09.2015
(32) 15.02.2010	(54) THERAPEUTIC COMBINATIONS FOR	(22) 12.03.2015
(33) India	TREATING LIVER DISEASES	(54) A NEW CLASS OF MU-OPIOID
(51) A61K 31/427	(73) Gilead Sciences, Inc.	RECEPTOR AGONISTS
A61K 31/4745	(72) LILES, John T.	(73) The Trustees of Columbia University in
A61K 31/4741	BRECKENRIDGE, David Gordon	the City of New York
A61K 31/437	Clarkson	(72) GASSAWAY, Madalee M.
A61K 45/06	BATES, Jamie Geier	SAMES, Dalibor
A61P 35/00	(31) 201762586354 P	JAVITCH, Jonathan A.
(11) EP3515443	201762482105 P	HENKE, Adam
(21) EP17853334.5	201762477697 P	KRUEGEL, Andrew C.
(47) 22.06.2022	(32) 15.11.2017	RIVERS, Marie-laure
(87) KR2017009889	05.04.2017	(31) 201461951845 P
29.03.2018	28.03.2017	(32) 12.03.2014
(22) 08.09.2017	(33) United States of America	(33) United States of America
(54) COMBINED COMPOSITION FOR	United States of America	(51) A61K 31/7056
PREVENTING OR TREATING CANCER	United States of America	A61K 47/61
COMPRISING A BENZOPHENONE	(51) A61K 31/47	C07H 19/056
THIAZOLE DERIVATIVE AS A VDA AND	A61K 31/4709	C07H 15/26
A TOPOISOMERASE INHIBITOR	C07D 215/233	A61P 31/10
(73) Chong Kun Dang Pharmaceutical Corp.	(11) EP2956138	A61K 31/724
National Cancer Center	(21) EP14751929.2	A61K 47/69
(72) KIM, Jung-Yong	(47) 22.06.2022	A61K 45/06
KIM, In Chull	(87) US2014016439	(11) EP3582789
KIM, Young Sang	21.08.2014	(21) EP18704986.1
KIM, Minchae	(22) 14.02.2014	(47) 22.06.2022
KIM, SooJin	(54) THERAPEUTIC COMPOUNDS AND	(87) EP2018053843
PARK, Young-Whan	USES THEREOF	23.08.2018
(31) 201715447247	(73) Kala Pharmaceuticals, Inc.	(22) 15.02.2018
201662400054 P	(72) ASKEW, Ben, C.	(54) MULTIVALENT FUCOSE DERIVATIVES
(32) 02.03.2017	KIM, Jinsoo	FOR USE AS A DRUG
26.09.2016	NOWAK, Pawel, Wojciech	(73) Nantes Université
(33) United States of America	ONG, Winston, Zapanta	Centre National de la Recherche
United States of America	(31) 201361898778 P	Scientifique
(51) A61K 31/4365	201361765487 P	(72) VARROT, Annabelle
A61K 31/4375	(32) 01.11.2013	LE PAPE, Patrice
A61K 31/5025	15.02.2013	GOUIN, Sébastien
A61P 25/00	(33) United States of America	BRUMENT, Sami
C07D 495/14	United States of America	(31) 17156368
(11) EP3534901	(51) A61K 31/517	(32) 15.02.2017
(21) EP17867018.8	A61K 47/38	(33) European Patent Office (EPO)
(47) 22.06.2022	A61K 47/32	(51) A61K 35/15
(87) US2017060306	A61K 9/14	A61K 39/00
11.05.2018	A61P 35/00	A61P 35/00
(22) 07.11.2017	A61P 35/02	(11) EP3895712
(54) POSITIVE ALLOSTERIC	(11) EP3278803	(21) EP21160170.3
MODULATORS OF THE MUSCARINIC	(21) EP16771410.4	(47) 22.06.2022
ACETYLCHOLINE RECEPTOR M4	(47) 22.06.2022	(22) 11.12.2017
(73) Vanderbilt University	(87) CN2016078262	(54) ENGINEERED NATURAL KILLER
(72) ENGERS, Julie, L.	06.10.2016	CELLS AND USES THEREOF

(73) ONK Therapeutics Limited	A61Q 19/08	United States of America
(72) O'DWYER, Michael Eamon Peter	(11) EP3548058	United States of America
(31) 201662432302 P	(21) EP17825396.9	United States of America
(32) 09.12.2016	(47) 22.06.2022	
(33) United States of America	(87) EP2017081589	
(51) A61K 35/28	14.06.2018	(51) A61K 38/36
A61K 35/51	(22) 05.12.2017	A61K 38/37
C12N 5/0775	(54) COMPOSITIONS COMPRISING	A61K 35/14
A61P 31/00	PEPTIDE WKDEAGKPLVK	C07K 1/00
(11) EP3589298	(73) Nuritas Limited	C07K 14/745
(21) EP18712945.7	(72) KHALDI, Nora	C07K 14/755
(47) 22.06.2022	LOPEZ, Cyril	C07K 7/08
(87) FR2018050472	(31) 16202305	C07K 14/49
07.09.2018	16202306	C07K 14/76
(22) 28.02.2018	(32) 05.12.2016	C07K 14/705
(54) WHARTON'S JELLY MESENCHYMAL	05.12.2016	C07K 14/59
STEM CELLS FOR USE FOR	(33) European Patent Office (EPO)	C07K 14/00
TREATING SEPSIS	European Patent Office (EPO)	A61K 38/00
(73) Université de Lorraine	(51) A61K 38/18	C07K 14/79
Centre Hospitalier Régional Universitaire	C07K 14/51	A61P 7/04
de Nancy	A61K 38/27	A61K 47/60
(72) BENSOUSSAN, Danièle	A61K 38/00	A61K 47/61
AVERCENC, Léonore	A61P 5/06	A61K 47/54
BOUFENZER, Amir	(11) EP2983694	(11) EP3033098
HUSELSTEIN, Céline	(21) EP14782154.0	(21) EP14835927.6
REPPEL, Loïc	(47) 22.06.2022	(47) 22.06.2022
GIBOT, Sébastien	(87) US2014033376	(87) US2014051147
LAROYE, Caroline	16.10.2014	19.02.2015
(31) 1751649	(22) 08.04.2014	(22) 14.08.2014
(32) 28.02.2017	(54) COMPOSITIONS FOR REJUVENATING	(54) RECOMBINANT FACTOR VIII
(33) France	SKELETAL MUSCLE STEM CELLS	PROTEINS
(51) A61K 35/747	(73) President and Fellows of Harvard	(73) Bioverativ Therapeutics Inc.
A61P 15/02	College	(72) PETERS, Robert T.
A61P 29/00	The Brigham and Women's Hospital, Inc.	KULMAN, John
A61P 3/00	(72) WAGERS, Amy, J.	(31) 201361866017 P
A61P 31/04	LEE, Richard, T.	(32) 14.08.2013
A61P 31/10	(31) 201361809784 P	(33) United States of America
A61P 31/22	(32) 08.04.2013	(51) A61K 38/36
A61P 33/02	(33) United States of America	A61P 7/00
A61P 43/00	(51) A61K 38/29	(11) EP3335724
A61P 31/00	A61K 38/16	(21) EP18153674.9
(11) EP3432900	A61P 19/08	(47) 22.06.2022
(21) EP17724279.9	A61P 19/10	(22) 16.06.2015
(47) 22.06.2022	C07K 14/47	(54) IMMUNOGLOBULIN SINGLE VARIABLE
(87) IB2017051710	A61K 31/663	DOMAINS FOR USE IN METHODS OF
28.09.2017	(11) EP3265115	TREATING TTP
(22) 24.03.2017	(21) EP16759540.4	(73) Ablynx NV
(54) LACTIC ACID BACTERIAL	(47) 22.06.2022	(72) Dubyn, Christian
COMPOSITION FOR THE TREATMENT	(87) US2016020787	(31) 2013007
OF BACTERIAL VAGINAL INFECTIONS	09.09.2016	201462030817 P
BY GARDNERELLA VAGINALIS AND, IF	(22) 03.03.2016	(32) 16.06.2014
PRESENT, OF CONCURRENT FUNGAL	(54) ABALOPARATIDE COMBINED WITH	30.07.2014
INFECTIONS	ALENDRONATE FOR REDUCING NON-	(33) Netherlands
(73) Probiotal S.p.A.	VERTEBRAL BONE FRACTURES	United States of America
(72) MOGNA, Giovanni	(73) Radius Health, Inc.	(51) A61K 38/40
(31) UA20162013	(72) HATTERSLEY, Gary	A61K 9/28
(32) 24.03.2016	(31) 201662278762 P	A61K 31/07
(33) Italy	201562239733 P	A61K 31/375
(51) A61K 38/08	201562201564 P	A61K 31/708
A61K 38/07	201562165841 P	A61K 33/26
A61K 38/06	201562127729 P	A61K 45/06
C07K 7/06	(32) 14.01.2016	A61K 47/00
C07K 7/00	09.10.2015	A23L 33/17
A61K 38/16	05.08.2015	A23L 33/10
A61P 35/00	22.05.2015	A23L 33/18
A61P 3/10	03.03.2015	A23L 33/19
A61P 3/00	(33) United States of America	A23L 33/16
A61K 8/64	United States of America	A61P 25/00
		A61P 3/00
		(11) EP3661373

(21) EP19721718.5	A61K 9/20	MANSELL, David James
(47) 22.06.2022	A61P 3/00	MYSLIWY, Justyna Helena
(87) IB2019051706	(11) EP3355856	THIRLWAY, Jenny
12.09.2019	(21) EP16774714.6	(31) 201503012
(22) 04.03.2019	(47) 22.06.2022	201419108
(54) A PHARMACEUTICAL COMPOSITION	(87) IB2016055773	(32) 23.02.2015
FOR ANAEMIA	06.04.2017	27.10.2014
(73) Frimline Private Limited	(22) 27.09.2016	(33) United Kingdom
(72) MISHRA, Vedprakash	(54) MODIFIED RELEASE ORALLY	United Kingdom
SINGH, Ankit Shyam	ADMINISTERED AMINO ACID	(51) A61L 2/18
TONGRA, Neelima	FORMULATIONS	A61B 90/70
(31) 201821008809	(73) APR APPLIED PHARMA RESEARCH	A61L 2/24
(32) 09.03.2018	S.A.	A47L 15/48
(33) India	(72) REINER, Giorgio	(11) EP3511025
(51) A61K 39/00	REINER, Alberto	(21) EP18151208.8
A61P 35/00	(31) 201562233695 P	(47) 22.06.2022
A61P 37/04	(32) 28.09.2015	(22) 11.01.2018
G01N 33/50	(33) United States of America	(54) CLEANING AND DISINFECTING
C07K 16/28	(51) A61K 47/64	DEVICE AND METHOD FOR
(11) EP3445785	A61K 47/68	DRYING MEDICAL AND/OR DENTAL
(21) EP17722080.3	A61K 38/05	INSTRUMENTS
(47) 22.06.2022	A61P 35/00	(73) MELAG Medizintechnik GmbH & Co. KG
(87) FI2017050285	C07D 213/71	(72) HÖRNING, Andreas
26.10.2017	C07D 233/84	MÖLLER, Janis
(22) 18.04.2017	C07D 235/28	ZIEBART, Eric
(54) HUMANIZED ANTI CLEVER-1	C07D 249/10	LITZBA, Guido
ANTIBODIES AND THEIR USE	C07D 257/04	(51) A61L 9/012
(73) Faron Pharmaceuticals OY	C07D 263/58	A61L 9/04
(72) JALKANEN, Markku	C07D 277/78	(11) EP3534972
MAKSIMOW, Mikael	C07D 471/04	(21) EP17785144.1
VAINIO, Marita	C07D 473/34	(47) 22.06.2022
(31) 20165336	C07D 498/18	(87) US2017056445
20165335	C07D 521/00	11.05.2018
(32) 18.04.2016	(11) EP3362100	(22) 13.10.2017
18.04.2016	(21) EP16788243.0	(54) SOLID NON-AQUEOUS GEL AIR
(33) Finland	(47) 22.06.2022	ODORIZER
Finland	(87) IB2016056186	(73) Dow Global Technologies, LLC
(51) A61K 39/09	20.04.2017	(72) FERRIEUX, Severine
C12R 1/46	(22) 14.10.2016	(31) 16290211
A61K 39/00	(54) HINDERED DISULFIDE DRUG	(32) 02.11.2016
(11) EP3538143	CONJUGATES	(33) European Patent Office (EPO)
(21) EP17807982.8	(73) Genentech, Inc.	(51) A61L 15/28
(47) 22.06.2022	(72) DRAGOVICH, Peter	A61L 15/42
(87) US2017061170	CHEN, Jinhua	A61L 15/46
17.05.2018	PILLOW, Thomas	(11) EP3250245
(22) 10.11.2017	SADOWSKY, Jack	(21) EP16707505.0
(54) ATTENUATING BACTERIAL	WAI, John	(47) 22.06.2022
VIRULENCE BY ATTENUATING	PEI, Zhonghua	(87) GB2016050180
BACTERIAL FOLATE TRANSPORT	(31) PCT/CN2015/092084	04.08.2016
(73) Boehringer Ingelheim Vetmedica GmbH	(32) 16.10.2015	(22) 27.01.2016
(72) INGBRITSON, Alaina	(33) World Intellectual Property Office (WIPO)	(54) COMPOSITION FOR A WOUND
SMITH, Hilda Elizabeth	(51) A61K 47/64	DRESSING
DE GREEFF, Astrid	A61K 47/68	(73) Medtrade Products Limited
NEUBAUER, Axel	A61K 38/06	(72) HARDY, Craig
(31) 16198361	A61K 31/704	HOGGARTH, Andrew
(32) 11.11.2016	A61P 35/00	(31) 201501334
(33) European Patent Office (EPO)	(11) EP3223853	(32) 27.01.2015
(51) A61K 45/06	(21) EP15794625.2	(33) United Kingdom
A61K 9/16	(47) 22.06.2022	(51) A61L 15/46
A61K 9/50	(87) GB2015053227	(11) EP2809363
A61K 31/198	06.05.2016	(21) EP13702636.5
A61K 31/401	(22) 27.10.2015	(47) 22.06.2022
A61K 31/405	(54) MATERIALS AND METHODS	(87) EP2013052093
A61K 31/4172	RELATING TO LINKERS FOR USE IN	08.08.2013
A23L 33/175	PROTEIN DRUG CONJUGATES	(22) 01.02.2013
A21D 2/24	(73) Iksuda Therapeutics Limited	(54) WOUND CARE ARTICLE COMPRISING
A23L 33/15	(72) BIRCHALL, Christopher Michael	AT LEAST ONE SURFACE HAVING
A23L 33/16	BAXTER, Anthony David	ABRASIVE PROPERTIES

(73) BSN medical GmbH	(21) EP17705203.2	(11) EP3548120
(72) RIESINGER, Birgit	(47) 22.06.2022	(21) EP17808493.5
(31) 102012101317	(87) US2017014128	(47) 22.06.2022
102012101100	27.07.2017	(87) EP2017081496
102012100842	(22) 19.01.2017	14.06.2018
(32) 17.02.2012	(54) SAMPLE CASSETTE FOR	(22) 05.12.2017
10.02.2012	COLLECTING TISSUE SAMPLES	(54) ACCESSORY DEVICE WITH PAIRING
01.02.2012	FROM A FLUID STREAM, THE	FEATURE
(33) Germany	CASSETTE INCLUDING PLURAL	(73) Novo Nordisk A/S
Germany	CATCH TRAYS FOR RETAINING	(72) REISENHUS, Michael, Bech
Germany	PLURAL SAMPLES	(31) 16202204
(51) A61L 29/16	(73) Stryker Corporation	(32) 05.12.2016
A61K 9/00	(72) GAMHEWAGE, Chamara	(33) European Patent Office (EPO)
A61K 9/107	PETERSON, Michael	(51) A61M 11/00
A61K 9/08	REASONER, Stephen, J.	B05B 17/06
A61K 9/127	NOLLAR, Andrew	G01F 11/26
A61K 9/19	(31) 201662281250 P	(11) EP3813909
A61K 31/404	(32) 21.01.2016	(21) EP19745307.9
A61K 31/4418	(33) United States of America	(47) 22.06.2022
A61P 9/00	(51) A61M 1/36	(87) JP2019025996
(11) EP3386503	G01F 23/26	02.01.2020
(21) EP16874049.6	(11) EP3434298	(22) 21.06.2019
(47) 22.06.2022	(21) EP18190785.8	(54) DEVICE FOR SUPPLYING MIST OF
(87) US2016066167	(47) 22.06.2022	LIQUID AND ASSEMBLY INCLUDING
15.06.2017	(22) 12.04.2011	THE SAME
(22) 12.12.2016	(54) BLOOD RESERVOIR WITH	(73) L'OREAL
(54) KITS FOR TREATING VASCULAR	ULTRASONIC VOLUME SENSOR	(72) SHARMA, Vishal
DISEASE	(73) Sorin Group Italia S.r.l.	CHEN, Di
(73) Endoperfusion Solutions, LLC	(72) PANZANI, Ivo	PARK, Woo Ram
(72) SINGH, Jaipal	ROSSI, Ivan	LEE, Chin, Kai
(31) 201562265676 P	(31) 10160436	(31) 2018124352
(32) 10.12.2015	(32) 20.04.2010	(32) 29.06.2018
(33) United States of America	(33) European Patent Office (EPO)	(33) Japan
(51) A61L 31/04	(51) A61M 3/00	(51) A61M 15/00
A61K 9/06	A61M 39/18	A61B 5/087
A61K 47/02	A61M 39/26	(11) EP3789065
A61K 47/22	(11) EP2555825	(21) EP19196169.7
A61K 47/42	(21) EP11766604.0	(47) 22.06.2022
A61L 24/00	(47) 22.06.2022	(22) 09.09.2019
A61L 24/10	(87) US2011031280	(54) AN ELECTRONIC SYSTEM
A61L 31/14	13.10.2011	COMPRISING A DRY POWDER
A61L 27/24	(22) 05.04.2011	INHALER AND AN EXTERNAL DEVICE
A61L 27/52	(54) ASEPTIC FLUID CONNECTOR	(73) Presspart GmbH & Co. Kg
A61L 27/58	WITH DEFLECTING MEMBERS AND	(72) Ebert, Anselm
(11) EP3542830	METHOD COMPRISING THE USE OF	Jung, Benjamin
(21) EP17872367.2	SUCH A CONNECTOR	Sule, Ameet
(47) 22.06.2022	(73) Py, Daniel	Sule, Sunita
(87) JP2017041238	(72) Py, Daniel	(51) A61M 16/00
24.05.2018	(31) 320857 P	A61M 16/04
(22) 16.11.2017	(32) 05.04.2010	A61B 1/24
(54) SOL FOR OCCLUDING HOLES	(33) United States of America	A61B 16/00
IN LIVING TISSUE, PROTECTING	(51) A61M 5/28	A61C 17/10
ULCERS, AND TREATING VASCULAR	A61M 5/32	(11) EP3679973
EMBOLIZATION	A61M 5/31	(21) EP17924029.6
(73) Tokyo Metropolitan Industrial Technology	(11) EP3524299	(47) 22.06.2022
Research Institute	(21) EP19152866.0	(87) CL2017050050
National University Corporation Gunma	(47) 22.06.2022	14.03.2019
University	(22) 15.07.2009	(22) 06.09.2017
(72) Uraoka, Toshio	(54) INJECTION DEVICE WITH SEALED	(54) ORAL NOZZLE FOR ENDOSCOPY
YUNOKI, Shunji	LUER FITTING	PROCEDURES
OHYABU, Yoshimi	(73) Becton, Dickinson and Company	(73) Muñiz Herrera, Cristián Clemente
NARITA, Takefumi	(72) LIM, Hong Tat Teddy	(72) Muñiz Herrera, Cristián Clemente
YAHAGI, Naohisa	HAUSSER, Roderick	(51) A61M 16/00
(31) 2016224255	LEE, Hoong Sim	A61M 16/08
(32) 17.11.2016	CHIA, Yu Leng Neville	A61M 16/10
(33) Japan	NGUYEN HUU, Xua Huyen	A61M 16/20
(51) A61M 1/00	(51) A61M 5/315	A61M 16/14
(11) EP3405224	A61M 5/20	(11) EP3838321

(21) EP20214505.8	A61P 25/20	(54) CONNECTOR AND INFUSION SET
(47) 22.06.2022	A61P 23/00	(73) Terumo Kabushiki Kaisha
(22) 16.12.2020	(11) EP3326677	(72) AKIYAMA, Kazuya
(54) MULTI-MODE RESPIRATORY THERAPY APPARATUS	(21) EP17185351.8	UEDA, Yasuhiro
(73) Hill-Rom Services PTE. LTD.	(47) 22.06.2022	(31) 2014064302
(72) TAY, Wee Chin	(22) 18.09.2012	(32) 26.03.2014
MAHALINGAM, Pratheep	(54) INHALABLE MICROEMULSION	(33) Japan
TAY, Yong Guan	COMPRISING ANAESTHETIC	(51) A61M 39/28
VARMA, Sangadi	(73) University College Cardiff Consultants Limited	(11) EP3368144
NOAEILL, Leah	(72) PAUL, Alison	(21) EP16785059.3
PELO, Travis	HALL, Judith	(47) 22.06.2022
YONG, Song Chiun	WILKES, Antony	(87) US2016055856
LIAU, Shu Hwa	(31) 201116271	04.05.2017
SING, Jack	(32) 21.09.2011	(22) 06.10.2016
ARTIAGA, Leonardo	(33) United Kingdom	(54) PINCH CLAMP DEVICE
LIEW, Justin	(51) A61M 16/20	(73) Becton, Dickinson and Company
CONG, Jiang	A61M 16/00	(72) SONDEREGGER, Ralph L.
GANESAN, Ravivarman	A61M 16/06	STOUT, Marty L.
WU, Baoyi	A61M 16/10	PETERSON, Bart D.
MALARET, Susan	A61M 16/16	WANG, Lionel
(31) 201962951079 P	A61M 16/14	BURKHOLZ, Jonathan Karl
(32) 20.12.2019	(11) EP2776107	HARDING, Weston F.
(33) United States of America	(21) EP12847403.8	HU, Olivia
(51) A61M 16/00	(47) 22.06.2022	WANG, Bin
A61M 16/10	(87) AU2012001382	CHAI, Kelvin
A61M 16/12	16.05.2013	(31) 201615286248
A61M 16/20	(22) 09.11.2012	201662296372 P
G16H 20/40	(54) CONDUIT ASSEMBLY FOR	201562247615 P
G16H 40/63	RESPIRATORY TREATMENT	(32) 05.10.2016
(11) EP3821929	(73) ResMed Pty Ltd	17.02.2016
(21) EP20204460.8	(72) GOSAIN, Pallavi	28.10.2015
(47) 22.06.2022	KLASEK, Paul Jan	(33) United States of America
(22) 28.10.2020	HOLLEY, Liam	United States of America
(54) DEVICE FOR SUPPLYING THERAPEUTIC GAS, IN PARTICULAR NO OR N2O, TO A PATIENT	FRATER, Robert Henry	United States of America
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude	YANG, Quangang	(51) A61N 1/05
Air Liquide Santé France	(31) 201161558648 P	A61B 5/00
(72) AMORY, Marie	(32) 11.11.2011	H05K 1/11
THEVENET, Louise	(33) United States of America	(11) EP3185949
BLANDIN, Yann	(51) A61M 25/06	(21) EP15760291.3
(31) 1912769	A61F 2/01	(47) 22.06.2022
(32) 15.11.2019	A61F 2/24	(87) IB2015056438
(33) France	A61B 17/34	03.03.2016
(51) A61M 16/00	(11) EP3636312	(22) 25.08.2015
A61M 16/16	(21) EP19193834.9	(54) DEEP BRAIN STIMULATION LEAD
A61M 16/20	(47) 22.06.2022	(73) Aleva Neurotherapeutics SA
A61M 16/10	(22) 10.01.2012	(72) DRANSART, Alain
(11) EP2841136	(54) APPARATUS USEFUL FOR	MERCANZINI, Andre
(21) EP13726302.6	TRANSCATHETER AORTIC VALVE	MICHALIS, Alexandre
(47) 22.06.2022	IMPLANTATION	JORDAN, Alain
(87) IB2013053187	(73) Boston Scientific Limited	BOERS, Marc
31.10.2013	(72) HEFTI, Jean-Luc	(31) 201414470423
(22) 23.04.2013	BIADILLAH, Youssef	(32) 27.08.2014
(54) PORTABLE HANDHELD PRESSURE SUPPORT SYSTEM	DELALOYE, Stephane	(33) United States of America
(73) Koninklijke Philips N.V.	(31) 11150746	(51) A61N 1/05
(72) BROUQUEYRE, Laurent	11000150	A61N 1/36
MAHADEVAN, Anandi	(32) 12.01.2011	(11) EP3927418
LUCCI, Christopher Scott	11.01.2011	(21) EP20713681.3
(31) 201261637586 P	(33) European Patent Office (EPO)	(47) 22.06.2022
(32) 24.04.2012	European Patent Office (EPO)	(87) EP2020059047
(33) United States of America	(51) A61M 39/10	08.10.2020
(51) A61M 16/10	A61M 39/26	(22) 31.03.2020
A61M 16/18	(11) EP3124071	(54) DEVICE FOR ELECTROTHERAPY AND/OR ELECTROPHYSIOLOGY, KIT AND ASSEMBLY
	(21) EP15769218.7	AND ASSEMBLY
	(47) 22.06.2022	(73) Wise S.R.L.
	(87) JP2015001643	(72) KOFFLER, Georgina Rose
	01.10.2015	FERRARI, Sandro
	(22) 23.03.2015	MALORNI, Sergio

ANTONINI, Alessandro	KANZ, William, Russell	SHIVAKUMAR, Devleena M.
SPREAFICO, Laura	WOLNIEWICZ, Raymond, M.	(31) 201962948697 P
SAINI, Matteo	WHITTAKER, Eric, Charles	201962822703 P
SOLOMON, Caleb Luke	BEYREIS, Randall, James	(32) 16.12.2019
PARKER, Thomas Edward	WHITE, Travis, Richard	22.03.2019
(31) 201900005268	NISTAL, Brent, Twain	(33) United States of America
(32) 05.04.2019	ORTEGA, Laura, Elyn	United States of America
(33) Italy	(31) 201562173863 P	(51) A61Q 5/12
(51) A61N 1/36	(32) 10.06.2015	A61Q 5/02
(11) EP3535021	(33) United States of America	A61K 8/42
(21) EP17868179.7	(51) A61P 9/00	A61K 8/34
(47) 22.06.2022	A61K 8/368	A61K 8/365
(87) US2017060184	A61K 47/00	A61K 8/362
11.05.2018	A61K 9/14	A61K 8/36
(22) 06.11.2017	A61K 47/69	A61K 8/81
(54) FUNCTIONAL ELECTRICAL	C01B 33/149	(11) EP3638375
STIMULATION ERGOMETER	A61K 8/02	(21) EP18730718.6
INCLUDING AUTOMATIC SPASM	A61K 8/19	(47) 22.06.2022
CONTROL	A61K 8/25	(87) EP2018064955
(73) Restorative Therapies	A61K 8/28	20.12.2018
(72) DUNCAN, Michael	A61K 8/41	(22) 07.06.2018
(31) 201662417477 P	A61K 9/50	(54) HAIR COMPOSITION HAVING
(32) 04.11.2016	A61K 33/00	IMPROVED RINSING PROPERTIES
(33) United States of America	A61Q 19/00	(73) Unilever IP Holdings B.V.
(51) A61N 1/362	B01J 20/10	(72) GUTIERREZ-ABAD, Raquel
A61N 1/375	B01J 20/22	GLENDAY, Jennifer, Amy
A61N 1/378	B01J 20/28	COAN, Lynsey, Joanne
H02J 50/00	B01J 20/32	GILES, Colin, Christopher, David
(11) EP3817185	C01B 33/18	LUCK, Matias
(21) EP19206852.6	(11) EP3485942	(31) 17176249
(47) 22.06.2022	(21) EP18206170.5	(32) 15.06.2017
(22) 04.11.2019	(47) 22.06.2022	(33) European Patent Office (EPO)
(54) ENERGY GENERATION FROM TINY	(22) 14.11.2018	(51) A62B 18/02
SOURCES	(54) COMPOSITION	A62B 17/00
(73) Celtro GmbH	(73) Heart Biotech Nano Limited	A62B 9/00
(72) TEEPE, Gerd	(72) YACOUB, Magdi	A62B 23/02
(51) A61N 5/10	ALKORDI, Mohamed	A62B 18/08
(11) EP2790784	(31) 201718871	A41D 13/11
(21) EP12787411.3	(32) 15.11.2017	A62B 7/10
(47) 22.06.2022	(33) United Kingdom	A62B 17/04
(87) EP2012071853	(51) A61P 31/18	(11) EP2969045
20.06.2013	C07D 471/04	(21) EP14768861.8
(22) 05.11.2012	C07D 491/06	(47) 22.06.2022
(54) METHOD AND APPARATUS FOR	A61K 31/4375	(87) US2014028153
PREPARING AN IRRADIATION	(11) EP3938047	25.09.2014
PLAN FOR A MOVING TARGET	(21) EP20719849.0	(22) 14.03.2014
VOLUME WITHOUT A MOVEMENT	(47) 22.06.2022	(54) RESPIRATOR WITH PHASE CHANGE
COMPENSATION	(87) US2020023819	MATERIAL
(73) GSI Helmholtzzentrum für	01.10.2020	(73) Scott Technologies, Inc.
Schwerionenforschung GmbH	(22) 20.03.2020	(72) SABOLIS, Alyssa, Whitney
(72) BERT, Christoph	(54) BRIDGED TRICYCLIC	ROBERTS, Gareth
GRAEFF, Christian	CARBAMOYLPIRIDONE COMPOUNDS	WILSON, Graham, Peter
(31) 102011056339	AND THEIR PHARMACEUTICAL USE	BAKER, Troy, Alan
(32) 13.12.2011	(73) GILEAD SCIENCES, INC.	VOSS, Ethan, David
(33) Germany	(72) SCHWARZWALDER, Gregg M.	QUIRING, Amy, Elizabeth
(51) A61N 7/02	SCHROEDER, Scott D.	SEPPÄLÄ, Antti
A61B 17/22	ZHANG, Jennifer R.	TUCKER, Carl, Escort
A61M 25/00	GUO, Hongyan	PARHAM, Michael
(11) EP3307388	HAN, Xiaochun	(31) 201361794054 P
(21) EP16731465.7	PYUN, Hyung-Jung	201361794226 P
(47) 22.06.2022	GONZALEZ BUENROSTRO, Ana Z.	201361781464 P
(87) US2016036752	WU, Qiaoyin	(32) 15.03.2013
15.12.2016	MITCHELL, Michael L.	15.03.2013
(22) 09.06.2016	CHU, Hang	14.03.2013
(54) ULTRASOUND CATHETER	SHAPIRO, Nathan D.	(33) United States of America
(73) Ekos Corporation	LI, Jiayao	United States of America
(72) KUEHN, Michael	YANG, Hong	United States of America
PRAHL, Garret	JIANG, Lan	(51) A63B 21/00

A63B 21/005	(11) EP3583376	(54) FORMULATION AND ITS USE AS
A63B 21/008	(21) EP18754426.7	DEFOAMER
(11) EP3848097	(47) 22.06.2022	(73) Evonik Operations GmbH
(21) EP20150610.2	(87) IB2018050770	(72) Schulz, Alexander
(47) 22.06.2022	23.08.2018	Thomalla, Thomas
(22) 07.01.2020	(22) 08.02.2018	Urbath, Jonas
(54) EXERCISE DEVICE	(54) PAWN LAUNCHING GAME	Schubert, Frank
(73) C2P (Taiwan) Ltd.	(73) Catchup Toys Limited	Gippert, Michael
(72) WANG, Chin-Liu	(72) RUBIN, Guy	Herrwerth, Sascha
(51) A63B 43/00	RESCH, Avi	Troendlin, Johannes
B41M 1/40	(31) 201762459634 P	Schierle, Thorsten
B41F 19/02	(32) 16.02.2017	Favresse, Philippe
B41M 1/12	(33) United States of America	Lobert, Matthias
B29C 59/02	(51) B01D 11/04	(31) 20150732
A63B 45/00	B01D 61/38	(32) 08.01.2020
A63B 41/08	G01N 1/40	(33) European Patent Office (EPO)
A63B 45/02	B01D 57/02	(51) B01D 33/06
(11) EP3589377	B01D 61/24	B01D 24/46
(21) EP18760713.0	B01D 61/42	B01D 33/44
(47) 22.06.2022	(11) EP2838631	B01D 33/58
(87) US2018017976	(21) EP13720613.2	B01D 33/073
07.09.2018	(47) 22.06.2022	B01D 33/37
(22) 13.02.2018	(87) NL2013050285	B01D 33/46
(54) SPORTS BALL	24.10.2013	B01D 33/76
(73) NIKE Innovate C.V.	(22) 19.04.2013	B01D 33/80
(72) BERGGREN, Scott R.	(54) ELECTROEXTRACTION	(11) EP3685898
DEATON, Michelle J.	(73) Universiteit Leiden	(21) EP18855894.4
(31) 201715444755	(72) RATERINK, Robert-Jan	(47) 22.06.2022
(32) 28.02.2017	LINDENBURG, Peter	(87) JP2018030697
(33) United States of America	HANKEMEIER, Thomas	21.03.2019
(51) A63B 57/40	(31) 2008662	(22) 20.08.2018
A63B 57/30	201261635428 P	(54) FILTRATION DEVICE
(11) EP3969133	(32) 19.04.2012	(73) Bunri Incorporation
(21) EP20742373.2	19.04.2012	(72) TASHIRO, Minoru
(47) 22.06.2022	(33) Netherlands	TASHIRO, Makoto
(87) GB2020051627	United States of America	(31) 2017176078
14.01.2021	(51) B01D 17/12	(32) 13.09.2017
(22) 07.07.2020	C02F 9/02	(33) Japan
(54) APPARATUS FOR SECURING A THIN	C02F 1/44	(51) B01D 33/067
PIN TO A FLAG STICK AND HOLE CUP	C02F 103/02	B01D 33/073
(73) Gray, Martin J.	C02F 1/28	B01D 33/09
(72) Gray, Martin J.	C02F 1/32	B01D 33/80
(31) 201909770	C02F 1/78	(11) EP3773975
(32) 08.07.2019	(11) EP3551310	(21) EP19719166.1
(33) United Kingdom	(21) EP17890338.1	(47) 22.06.2022
(51) A63C 9/086	(47) 22.06.2022	(87) EP2019058283
A63C 9/16	(87) US2017065882	10.10.2019
A63C 9/08	12.07.2018	(22) 02.04.2019
A63C 5/12	(22) 12.12.2017	(54) DEVICE AND METHOD FOR SENSING
A63C 9/00	(54) WATER FILTRATION SYSTEM WITH	WEAR OF A SEPARATING ELEMENT
(11) EP3785772	RECIRCULATION TO REDUCE TOTAL	(73) BHS-Sonthofen GmbH
(21) EP20193155.7	DISSOLVED SOLIDS CREEP EFFECT	(72) HASSLER, Frieder
(47) 22.06.2022	(73) A.O. Smith Corporation	KIENLE, Bernhard
(22) 27.08.2020	(72) AVERBECK, David, J.	STEIDL, Detlef
(54) RETAINING DEVICE FOR GLIDING	ZHANG, Hai-Feng	SÜSS, Wolfgang
BOARD	CHENG, Zhaoshan	(31) 102018205237
(73) Salomon S.A.S.	(31) 201662433209 P	(32) 06.04.2018
(72) YELOVINA, Eddy	(32) 12.12.2016	(33) Germany
(31) 1909596	(33) United States of America	(51) B01D 35/153
(32) 30.08.2019	(51) B01D 19/04	B01D 35/16
(33) France	C08G 77/46	B01D 36/00
(51) A63F 7/00	C08L 83/04	B01D 29/21
A63F 9/02	C08L 83/12	(11) EP3639905
A63B 65/00	(11) EP3848107	(21) EP19208693.2
A63B 69/40	(21) EP20214595.9	(47) 22.06.2022
A63F 7/24	(47) 22.06.2022	(22) 18.04.2015
F41B 4/00	(22) 16.12.2020	(54) FILTER DEVICE
A63F 7/40		(73) Hydac Fluidcarecenter GmbH

- (72) Eberle, Richard
Kreibig, Micha
(31) 102014007302
(32) 17.05.2014
(33) Germany
-
- (51) B01D 35/153
B01D 35/30
B01D 36/00
B01D 29/21
(11) EP3691769
(21) EP18778856.7
(47) 22.06.2022
(87) EP2018075356
11.04.2019
(22) 19.09.2018
(54) FILTER ELEMENT WITH VENTING
FUNCTION FOR SUSPENSION ON A
FILTER HEAD, AND FILTER SYSTEM
(73) MANN+HUMMEL GmbH
(72) WEINDORF, Martin
(31) 102017009255
(32) 05.10.2017
(33) Germany
-
- (51) B01D 35/16
B01D 29/15
B01D 29/39
B01D 29/52
B01D 29/54
B01D 29/66
B01D 29/94
(11) EP3532184
(21) EP17801073.2
(47) 22.06.2022
(87) FR2017052963
03.05.2018
(22) 26.10.2017
(54) DENSE VERTICAL LEAF FILTER
(73) Gaudfrin
(72) GAUDFRIN, Guy
(31) PCT/FR2016/052797
(32) 27.10.2016
(33) World Intellectual Property Office (WIPO)
-
- (51) B01D 39/20
B01D 39/08
B01D 39/16
B01D 53/86
B01D 46/02
F23J 15/02
(11) EP3808428
(21) EP19884653.7
(47) 22.06.2022
(87) JP2019044252
22.05.2020
(22) 12.11.2019
(54) GAS PURIFICATION FILTER, METHOD
FOR MANUFACTURING GAS
PURIFICATION FILTER, AND GAS
PURIFICATION SYSTEM
(73) MITSUBISHI HEAVY INDUSTRIES, LTD.
(72) SUZUKI, Takumi
KATSUKI, Masatoshi
MUKAI, Yosuke
(31) 2018212103
(32) 12.11.2018
(33) Japan
-
- (51) B01D 39/20
B01D 46/24
C04B 38/00
- F01N 3/022
(11) EP3173137
(21) EP15824272.7
(47) 22.06.2022
(87) JP2015070541
28.01.2016
(22) 17.07.2015
(54) HONEYCOMB FILTER
(73) IBIDEN CO., LTD.
(72) OGISO Akihito
SUZUKI Hirokazu
SHIBATA Toshiaki
(31) 2014150046
(32) 23.07.2014
(33) Japan
-
- (51) B01D 45/14
F24C 15/20
B01D 46/00
B01D 53/86
B01J 21/06
B01J 27/055
B01J 35/00
B01J 37/02
(11) EP3303934
(21) EP16802630.0
(47) 22.06.2022
(87) FI2016050355
08.12.2016
(22) 25.05.2016
(54) AIR FILTER FOR GREASE FILTERING
AND METHOD USING AN AIR FILTER
(73) Jeven Oy
(72) DAHAL, Karna
VARTIAINEN, Seppo
HÄMÄLÄINEN, Jyrki
(31) 20155414
(32) 29.05.2015
(33) Finland
-
- (51) B01D 46/00
B01D 46/24
B01D 50/00
(11) EP3743190
(21) EP19700335.3
(47) 22.06.2022
(87) EP2019050170
01.08.2019
(22) 04.01.2019
(54) FILTER ELEMENT, IN PARTICULAR
FOR GAS FILTRATION
(73) MANN+HUMMEL GmbH
(72) RIEGER, Mario
PEREIRA MADEIRA, Pedro Miguel
DEHNEN, Ulrich
STÜRNER, Johannes
BEYLICH, Markus
KUNZE, Stefan
(31) 102018000540
(32) 24.01.2018
(33) Germany
-
- (51) B01D 46/00
B01D 46/38
(11) EP3621719
(21) EP18727853.6
(47) 22.06.2022
(87) FI2018050351
15.11.2018
(22) 09.05.2018
- (54) APPARATUS AND METHOD FOR
CLEANING A STREAM WITH A
MOVING BED
(73) Teknologian tutkimuskeskus VTT Oy
(72) KÄLLI, Anssi
SOLANTAUSTA, Yrjö
RATINEN, Sampo
NIEMINEN, Matti
LINDFORS, Christian
(31) 20175424
(32) 11.05.2017
(33) Finland
-
- (51) B01D 46/10
B26F 1/02
B29C 48/07
B29C 48/00
(11) EP3424678
(21) EP18191412.8
(47) 22.06.2022
(22) 05.08.2015
(54) FILTER MEMBER WITH RIBBED
AND APERTURED FLUOROPLASTIC
SUPPORT SHEETS FOR A FILTER
SUBSTRATE AND METHOD OF
MAKING SAME
(73) SWM LUXEMBOURG S.A.R.L
(72) PLATT, Andrew G.
TROJNAR, Joel P.
(31) 201462033683 P
(32) 06.08.2014
(33) United States of America
-
- (51) B01D 53/02
C07C 17/389
F25B 43/00
(11) EP3151946
(21) EP15736004.1
(47) 22.06.2022
(87) GB2015051671
17.12.2015
(22) 09.06.2015
(54) PROCESS FOR PURIFYING
2,3,3,3-TETRAFLUOROPROPENE
CONTAMINATED WITH
TETRAFLUOROETHANE
(73) Mexichem Fluor S.A. de C.V.
(72) LOW, Robert
SHARRATT, Andrew
(31) 201410174
(32) 09.06.2014
(33) United Kingdom
-
- (51) B01D 53/14
(11) EP3244987
(21) EP15702329.2
(47) 22.06.2022
(87) US2015011558
21.07.2016
(22) 15.01.2015
(54) SEPARATIONS WITH IONIC LIQUID
SOLVENTS
(73) Chevron Phillips Chemical Company LP
Chevron U.S.A. Inc.
(72) DRIVER, Michael Sean
CHANG, Ai-fu
JI, Lei
TIMKEN, Hye-Kyung Cho
-
- (51) B01D 53/14
B01D 53/18
B01D 53/22

C10L 3/10	(54) FIXED RIGID WALL DEVICE	B01D 71/48
(11) EP3765172	FOR COMPRESSED PLEAT	F24F 3/147
(21) EP19713984.3	CONFIGURATION FILTERS	F28D 21/00
(47) 22.06.2022	(73) EMD Millipore Corporation	B01D 63/14
(87) US2019022212	(72) LIU, Songhua	(11) EP3247485
19.09.2019	SYLVIA, Ryan	(21) EP16709100.8
(22) 14.03.2019	MESSIER, Luc	(47) 22.06.2022
(54) MEMBRANE CONTACTOR	ALMASIAN, Joseph	(87) IB2016000041
(73) Saudi Arabian Oil Company	LYNCH, Michael	28.07.2016
(72) AMMAR, Abdulaziz, Y.	GIGLIA, Salvatore	(22) 22.01.2016
CHOI, Seung-Hak	(31) 201662380747 P	(54) ENTHALPY EXCHANGER
DUVAL, Sebastien, A.	(32) 29.08.2016	ELEMENT, ENTHALPY EXCHANGER
ALMAHFOODH, Sarah, N.	(33) United States of America	COMPRISING SUCH ELEMENTS AND
(31) 201815921228	(51) B01D 67/00	METHOD FOR THEIR PRODUCTION
(32) 14.03.2018	B01D 69/06	(73) Sympatex Technologies GmbH
(33) United States of America	B01D 69/08	Zehnder Group International AG
(51) B01D 53/22	B01D 71/02	(72) MAYERSHOFER, Martin
B01D 63/00	B01D 71/76	HIRSCH, Christian
B01D 63/10	B01D 71/30	BRANDT, Stefan
B01D 69/00	(11) EP3606649	BIER, Christian
B01D 69/10	(21) EP18714936.4	(31) 15001039
B01D 69/12	(47) 22.06.2022	15000189
B01D 71/26	(87) US2018022342	(32) 11.04.2015
B01D 71/28	11.10.2018	23.01.2015
B01D 71/32	(22) 14.03.2018	(33) European Patent Office (EPO)
B01D 71/48	(54) METHOD FOR FORMING	European Patent Office (EPO)
B01D 71/52	ASYMMETRIC POLYVINYLDINE	(51) B01F 3/04
B01D 71/64	CHLORIDE MEMBRANES AND	B01J 3/00
B01D 71/66	METHOD FOR FORMING CARBON	C02F 1/72
B01D 71/68	MOLECULAR SIEVE MEMBRANES	C02F 11/08
(11) EP3572141	THEREFROM	B01J 19/00
(21) EP18767205.0	(73) Dow Global Technologies LLC	C02F 103/18
(47) 22.06.2022	(72) WOLFORD, Troy D.	(11) EP3784373
(87) JP2018009633	XU, Liren	(21) EP19719330.3
20.09.2018	LIU, Junqiang	(47) 22.06.2022
(22) 13.03.2018	(31) 201762482459 P	(87) EP2019060800
(54) GAS SEPARATION MEMBRANE	(32) 06.04.2017	31.10.2019
ELEMENT, GAS SEPARATION	(33) United States of America	(22) 26.04.2019
MEMBRANE MODULE, AND GAS	(51) B01D 69/04	(54) METHOD AND OXIDATION REACTOR
SEPARATION DEVICE	B01D 65/10	FOR TREATING A SPENT LIQUOR
(73) SUMITOMO CHEMICAL COMPANY,	B01D 69/10	CONTAINING SULPHIDES
LIMITED	B01D 69/12	(73) Linde GmbH
(72) FURUKAWA, Shinichi	B01D 71/02	(72) WELLENHOFER, Anton
TASAKI, Tsutomu	B01D 63/06	BAUS, Michael
(31) 2017052939	B29L 31/14	HAIRER, Florian
(32) 17.03.2017	B29K 79/00	ANANIEVA, Ekaterina
(33) Japan	G01M 3/32	SCHUBERT, Martin
(51) B01D 63/02	G01M 3/34	ZANDER, Jörg
(11) EP3845299	(11) EP2902093	(31) 102018110296
(21) EP19220172.1	(21) EP13842337.1	18178644
(47) 22.06.2022	(47) 22.06.2022	(32) 27.04.2018
(22) 31.12.2019	(87) JP2013075331	19.06.2018
(54) HOLLOW FIBER MEMBRANE	03.04.2014	(33) Germany
TRANSPORT CARTRIDGE	(22) 19.09.2013	European Patent Office (EPO)
(73) Gambro Lundia AB	(54) DEFECT DETECTION METHOD	(51) B01J 2/16
(72) Beck, Christof	FOR MONOLITHIC SEPARATION	C05C 9/00
Hertzler, Bernd	MEMBRANE STRUCTURES AND	C05G 5/12
Ermantraut, Stefan	REPAIR METHOD	(11) EP3790654
Blickle, Rainer	(73) NGK Insulators, Ltd.	(21) EP19725288.5
Wagner, Steffen	(72) ICHIKAWA, Makiko	(47) 22.06.2022
(51) B01D 63/14	NAGASAKA, Ryujiro	(87) EP2019061739
B01D 46/52	YAJIMA, Kenji	14.11.2019
(11) EP3503990	NAKAMURA, Shinji	(22) 07.05.2019
(21) EP17847234.6	MIYAHARA, Makoto	(54) INTERNAL COOLING SYSTEM FOR
(47) 22.06.2022	(31) 2012218220	FLUID-BED GRANULATION PLANTS
(87) US2017048193	(32) 28.09.2012	(73) thyssenkrupp Fertilizer Technology
08.03.2018	(33) Japan	GmbH
(22) 23.08.2017	(51) B01D 69/10	thyssenkrupp AG

(72) RIEKS, Rositsa Marianova FRANZRAHE, Harald	(54) CARRIER FOR ADSORBING ORGANIC MATTER	C01B 39/02 B01J 29/072 B01J 29/068
(31) 18171205	(73) Toray Industries, Inc.	(11) EP3793727
(32) 08.05.2018	(72) SHIMADA, Kaoru	(21) EP19723121.0
(33) European Patent Office (EPO)	KANDA, Shungo	(47) 22.06.2022
(51) B01J 8/08	KOMACHI, Shunsuke	(87) EP2019062246
C10G 3/00	YAMANAKA, Hirofumi	21.11.2019
(11) EP3634616	MASUDA, Masato	(22) 13.05.2019
(21) EP18730461.3	TAKAHASHI, Hiroshi	(54) STABLE SMALL-PORE ZEOLITES
(47) 22.06.2022	(31) 2018143340	(73) UMICORE AG & Co. KG
(87) PL2018000040	(32) 31.07.2018	(72) VERHEYEN, Elke Jane June
08.11.2018	(33) Japan	VAN TENDELOO, Leen
(22) 20.04.2018	(51) B01J 20/32	MARTENS, Johan Adriaan
(54) METHOD OF PREPARATION OF HYDROCARBON FUELS FROM POLYOLEFIN WASTE MATERIALS	B01J 20/28	SREE, Sreeprasanth Pulinthanathu
(73) Handerek Technologies Sp. z o.o.	B01J 20/06	HOFFMANN, Andreas Jan
(72) BIERNAT, Krzysztof	B01J 20/10	DE PRINS, Michiel
KOWALCZYK, Maciej Pawel	B01J 20/24	SCHÜTZE, Frank-Walter
MATUSZEWSKA, Anna	B01J 20/34	SMET, Sam
KIRAGA, Jan	G01N 33/50	(31) 18020207
HANDEREK, Adam	G01N 33/543	(32) 14.05.2018
(31) 42146717	B03C 1/01	(33) European Patent Office (EPO)
(32) 03.05.2017	C07K 1/14	(51) B01L 3/02
(33) Poland	C07K 1/22	H01F 7/18
(51) B01J 20/04	C07K 16/00	F16K 31/06
B01J 27/18	(11) EP3578255	G01F 11/02
B01J 20/28	(21) EP18735919.5	G01F 13/00
B01J 35/02	(47) 22.06.2022	(11) EP3628902
B01J 37/00	(87) CN2018071397	(21) EP18197661.4
B01J 37/03	12.07.2018	(47) 22.06.2022
B01J 20/30	(22) 04.01.2018	(2) 28.09.2018
B01D 53/02	(54) HIGH-LOADING AND ALKALI- RESISTANT PROTEIN A MAGNETIC BEAD	(54) METHOD FOR CONTROLLING A MAGNETIC VALVE AND METHOD FOR DISPENSING OR ASPIRATING A VOLUME OF LIQUID AS WELL AS CORRESPONDING DISPENSER/ PIPETTING APPARATUS
C01B 25/32	(73) Nanjing GenScript Biotech Co., Ltd.	(73) TECAN TRADING AG
A61L 9/014	(72) HAN, Weijuan	(72) OTT, Philipp
A61L 101/16	HE, Ruina	(51) B01L 3/14
(11) EP3586955	WANG, Chao	(11) EP2797696
(21) EP19755511.3	QIAN, Hong	(21) EP12826572.5
(47) 22.06.2022	BAI, Tao	(47) 22.06.2022
(87) KR2019001712	(31) 201710005878	(87) IB2012057797
12.09.2019	(32) 04.01.2017	04.07.2013
(22) 12.02.2019	(33) China	(22) 28.12.2012
(54) METHOD FOR PRODUCING CALCIUM PHOSPHATE USED IN A HARMFUL GAS- AND ODOR-REMOVING COMPOSITION	(51) B01J 27/185	(54) DEVICES, APPARATUS, KIT AND METHOD FOR TREATING A BIOLOGICAL SAMPLE
(73) Basearth Co., Ltd.	C07C 5/10	(73) Menarini Silicon Biosystems S.p.A.
(72) KIM, Yong, III	(11) EP3592461	(72) CALANCA, Alex
SHIN, Euisip	(21) EP18703518.3	GIORGINI, Giuseppe
(31) 20180030844	(47) 22.06.2022	MANARESI, Nicolò
20180026164	(87) EP2018051870	MEDORO, Gianni
(32) 16.03.2018	13.09.2018	(31) B020110766
06.03.2018	(22) 25.01.2018	(32) 28.12.2011
(33) Korea (Republic)	(54) POLYOXOMETALATES COMPRISING NOBLE METALS AND POST- TRANSITION METALS AND METAL CLUSTERS THEREOF	(33) Italy
Korea (Republic)	(73) ExxonMobil Chemical Patents Inc.	(51) B02C 13/284
(51) B01J 20/26	(72) LIN, Zhengguo	B02C 19/00
B01J 20/28	MA, Tian	B02C 23/12
B01J 20/30	AYASS, W. Wassim	(11) EP3763444
A61M 1/36	KORTZ, Ulrich	(21) EP19763928.9
B01D 15/00	YANG, Peng	(47) 22.06.2022
D01F 8/06	(31) 17159815	(87) ES2019070114
G01N 30/00	(32) 08.03.2017	12.09.2019
(11) EP3769836	(33) European Patent Office (EPO)	(22) 27.02.2019
(21) EP19844208.9	(51) B01J 29/76	
(47) 22.06.2022	B01J 29/74	
(87) JP2019026762	B01J 35/00	
06.02.2020	B01J 35/04	
(22) 05.07.2019	B01D 53/94	

(54) IMPROVED FRAGMENTING DEVICE FOR A FRAGMENTER OF METAL MATERIALS	(54) A FUEL INJECTOR FLEXIBLE FOR SINGLE AND DUAL FUEL INJECTION	B07C 5/342
(73) Talleres ZB, S.A.	(73) QuantLogic Corporation	(11) EP3659720
(72) MACÍAS MARTÍN, Mikel	Hou, Deyang	(21) EP19206085.3
(31) 201830306 U	(72) HOU, Deyang	(47) 22.06.2022
(32) 07.03.2018	(31) 201461972207 P	(22) 30.10.2019
(33) Spain	(32) 28.03.2014	(54) SORTING APPARATUS
(51) B02C 15/00	(33) United States of America	(73) Panasonic Intellectual Property Management Co., Ltd.
(11) EP3256258	(51) B05B 14/43	(72) MIYAJI, Naoya
(21) EP16703490.9	B01D 46/00	HAMADA, Shingo
(47) 22.06.2022	(11) EP3610956	(31) 2018220863
(87) EP2016052248	(21) EP18188890.0	(32) 27.11.2018
18.08.2016	(47) 22.06.2022	(33) Japan
(22) 03.02.2016	(22) 14.08.2018	(51) B08B 3/02
(54) VERTICAL MILL DRIVE	(54) PAINTING INSTALLATION AND METHOD FOR PAINTING A WORKPIECE	B08B 3/04
(73) Compagnie Engrenages et Reducteurs-Messian-Durand	(73) Sturm Maschinen- & Anlagenbau GmbH	B08B 13/00
(72) LESSARD, Fabrice	(72) BINDER, Dietmar	B08B 9/032
(31) 1551071	(51) B05C 3/109	B63C 11/02
(32) 10.02.2015	B05C 19/04	(11) EP2919923
(33) France	B05C 3/00	(21) EP13789545.4
(51) B02C 19/06	B05C 3/04	(47) 22.06.2022
B02C 23/08	B08B 3/04	(87) EP2013073474
B02C 23/30	(11) EP3473344	22.05.2014
(11) EP3600676	(21) EP18206829.6	(22) 11.11.2013
(21) EP18715475.2	(47) 22.06.2022	(54) HOLDER PRODUCT RANGE AND CLEANING APPARATUS FOR CLEANING BREATHING APPARATUSES
(47) 22.06.2022	(22) 28.08.2015	(73) MEIKO Maschinenbau GmbH & Co. KG
(87) EP2018053429	(54) SYSTEM FOR SURFACE TREATMENT OF MOULDED PARTS	(72) WÖRNER, Heiko
04.10.2018	(73) DyeMansion GmbH	FALK, Herbert
(22) 12.02.2018	(72) Kramer, Philipp	(31) 102012220646
(54) DEVICE FOR COMMUNUTING AND DRYING WASTE MATERIALS, SLAGS, ROCKS AND SIMILAR MATERIALS	Ewald, Felix	(32) 13.11.2012
(73) LPT AG	(31) 102014112508	(33) Germany
(72) KOENIG, Egon	(32) 29.08.2014	(51) B08B 3/12
(31) 4062017	(33) Germany	C12M 1/00
(32) 27.03.2017	(51) B07B 1/00	(11) EP3386652
(33) Switzerland	B07B 15/00	(21) EP16854678.6
(51) B04B 1/08	B07B 13/16	(47) 22.06.2022
B04B 7/14	(11) EP2822707	(87) CA2016051188
(11) EP3825010	(21) EP13757366.3	20.04.2017
(21) EP19211006.2	(47) 22.06.2022	(22) 12.10.2016
(47) 22.06.2022	(87) AU2013000230	(54) METHODS, SYSTEMS, AND APPARATUSES FOR ACOUSTICALLY SEPARATING AND WASHING PARTICLES
(22) 22.11.2019	12.09.2013	(73) Sonosep Technologies Inc.
(54) METHOD FOR MOUNTING A STACK OF SEPARATING DISCS IN A CENTRIFUGAL SEPARATOR BOWL AND A TOOL	(22) 11.03.2013	(72) TRAMPLER, Felix
(73) Alfa Laval Corporate AB	(54) A MOBILE SCREENING APPARATUS	PIRET, James
(72) PITKÄMÄKI, Jouko	(73) AAA Screens Pty Ltd	(31) 201562241341 P
(51) B05B 1/32	(72) ANDERSEN, John	(32) 14.10.2015
F02M 43/04	(31) 2012900959	(33) United States of America
F02M 61/04	(32) 09.03.2012	(51) B08B 9/043
F02M 61/10	(33) Australia	B08B 1/00
F02M 21/02	(51) B07B 1/15	B65H 51/10
F02M 61/08	B07B 1/46	F28G 15/04
F02M 61/12	(11) EP3528969	F28G 1/16
F02M 45/12	(21) EP17784366.1	(11) EP3551352
F02M 47/02	(47) 22.06.2022	(21) EP17877662.1
F02M 61/18	(87) FR2017052571	(47) 22.06.2022
F02M 45/08	03.05.2018	(87) US2017063096
(11) EP3122468	(22) 25.09.2017	14.06.2018
(21) EP15769894.5	(54) SORTING TABLE WITH ADJUSTABLE SCREEN	(22) 22.11.2017
(47) 22.06.2022	(73) Pellenc	(54) APPARATUS FOR REMOTELY PROPELLING A FLEXIBLE LANCE INTO AND OUT OF A PIPING SYSTEM
(87) US2015023205	(72) GIALIS, Jean-Marc	(73) Stoneage, Inc.
01.10.2015	(31) 1660277	(72) SCHNEIDER, Joseph
(22) 28.03.2015	(32) 24.10.2016	
	(33) France	
	(51) B07C 5/36	

ZINK, Gerald P.	MANNHERZ, Jakob	(32) 12.10.2018
(31) 201615374585	(31) 17169734	(33) Germany
(32) 09.12.2016	(32) 05.05.2017	(51) B22D 11/06
(33) United States of America	(33) European Patent Office (EPO)	(11) EP3223978
(51) B08B 15/02	(51) B21F 35/00	(21) EP15781686.9
B01L 1/04	B21F 3/02	(47) 22.06.2022
A61L 2/10	B21C 51/00	(87) EP2015074212
B65B 69/00	B21F 23/00	02.06.2016
A61L 2/20	B21F 27/16	(22) 20.10.2015
A61L 2/08	C21D 1/30	(54) DEVICE FOR THE STRIP CASTING OF
B08B 7/00	C21D 9/02	METAL PRODUCTS
(11) EP3823770	C21D 9/52	(73) SMS group GmbH
(21) EP19769849.1	C21D 11/00	(72) HARTUNG, Matthias
(47) 22.06.2022	(11) EP3623071	HAUMANN, Marcus
(87) IB2019000620	(21) EP18877167.9	CREMERS, Hermann
23.01.2020	(47) 22.06.2022	WANS, Jochen
(22) 17.07.2019	(87) CN2018086526	(31) 102014224236
(54) ARRANGEMENT FOR THE	16.05.2019	(32) 27.11.2014
CONTAMINATION-FREE	(22) 11.05.2018	(33) Germany
INTRODUCTION OF A STERILE	(54) METHOD FOR PROCESSING TWO	(51) B22D 18/04
OBJECT FROM A CONTAINER INTO	STEEL WIRES	B22D 17/12
A CONTAINMENT AND METHOD	(73) Guangzhou Lianrou Machinery &	B30B 15/04
THEREFOR	Equipment Co., Ltd.	B29C 45/17
(73) Pharma Integration S.R.L.	(72) TAN, Zhiming	B29C 33/30
(72) LANDES, Robert	(31) 201711088143	(11) EP3700696
ZELLER, Mike	(32) 07.11.2017	(21) EP18792400.6
SPRECHER, Kathrin	(33) China	(47) 22.06.2022
MÜLLER, Mathieu	(51) B21J 5/02	(87) EP2018078768
(31) 8882018	H01L 23/36	02.05.2019
(32) 18.07.2018	B21C 23/06	(22) 19.10.2018
(33) Switzerland	B21C 23/18	(54) PRESS FOR A CASTING MACHINE
(51) B08B 17/02	B21J 5/12	AND CASTING MACHINE
B63B 59/04	B21J 13/02	(73) Kurtz GmbH & Co. KG
G02B 6/00	B21K 23/00	(72) HARTMANN, Lothar
(11) EP3487641	F28F 3/02	MICHALSKI, René
(21) EP17746441.9	F28F 3/04	BUDNIK, Yevgeniy
(47) 22.06.2022	H01L 21/48	(31) 202017106391 U
(87) EP2017068693	H01L 23/367	(32) 23.10.2017
01.02.2018	(11) EP3466559	(33) Germany
(22) 24.07.2017	(21) EP17806229.5	(51) B22F 1/00
(54) A LIGHT EMITTING ARRANGEMENT	(47) 22.06.2022	C23C 14/14
FOR ANTI-FOULING OF A	(87) JP2017016021	B22F 9/22
PROTECTED SURFACE	07.12.2017	C22C 19/05
(73) Koninklijke Philips N.V.	(22) 21.04.2017	C22C 27/06
(72) CORNELISSEN, Hugo, Johan	(54) FORGING DEVICE AND FORGING	C23C 24/04
HIETBRINK, Roelant, Boudewijn	METHOD	C23C 4/11
SALTERS, Bart, Andre	(73) Showa Denko K.K.	(11) EP3083108
(31) 16181059	(72) IGARASHI Kazuo	(21) EP14841417.0
(32) 25.07.2016	(31) 2016111479	(47) 22.06.2022
(33) European Patent Office (EPO)	(32) 03.06.2016	(87) AT2014000226
(51) B21D 7/00	(33) Japan	25.06.2015
B60K 1/04	(51) B22C 9/06	(22) 17.12.2014
B21D 11/08	B22C 9/22	(54) METHOD OF MAKING A CHROMIUM
H01M 50/20	B22D 17/22	CONTAINING COATING
B21D 7/06	B22D 17/24	(73) Plansee SE
(11) EP3619756	(11) EP3636365	(72) O'SULLIVAN, Michael
(21) EP18719186.1	(21) EP19200013.1	KATHREIN, Martin
(47) 22.06.2022	(47) 22.06.2022	(31) 4582013 U
(87) EP2018060675	(22) 27.09.2019	(32) 20.12.2013
08.11.2018	(54) CASTING MOULD FOR	(33) Austria
(22) 26.04.2018	MANUFACTURING A CASTING PART	(51) B22F 3/00
(54) BATTERY BOX FOR ELECTRIC	BY HAVING AT LEAST ONE INTERNAL	B22F 3/10
VEHICLES	CONTOUR AND THE USE OF SUCH	B29C 67/00
(73) Constellium Singen GmbH	MOLD	B29C 64/165
(72) KUTSCHER, Matthias	(73) Volkswagen AG	B22F 10/10
SCHMID, Thomas	(72) Sauerwald, Jörg	B33Y 70/00
SCHWARZ, Kai	Rabus, Ulrich	B22F 1/103
WIEDEMANN, Jochen	(31) 102018217546	B22F 1/00

(11) EP3558565	CHIPPING RESISTANCE AND WEAR	H02G 1/12
(21) EP17797369.0	RESISTANCE	(11) EP3723928
(47) 22.06.2022	(73) Mitsubishi Materials Corporation	(21) EP18830173.3
(87) EP2017079298	(72) YANAGISAWA Kousuke	(47) 22.06.2022
24.05.2018	TATSUOKA Sho	(87) EP2018084561
(22) 15.11.2017	SATO Kenichi	20.06.2019
(54) FEEDSTOCK FOR AN ADDITIVE	ISHIGAKI Takuya	(22) 12.12.2018
MANUFACTURING METHOD AND	NISHIDA Shin	(54) CUTTING DEVICE FOR CUTTING
ADDITIVE MANUFACTURING METHOD	(31) 2018000211	CORRUGATED PIPES TO LENGTH
USING THE SAME	2017006406	AND GUIDE PROJECTIONS IN SUCH A
(73) Höganäs AB	(32) 04.01.2018	CUTTING DEVICE
(72) DINH, Eva	18.01.2017	(73) Knipex-Werk C. Gustav Putsch KG
FLODIN, Anders	(33) Japan	(72) EISENHARDT, Daniel
NILSSON, Sofia	Japan	(31) 102017129725
DARNIS, Magalie	(51) B23B 31/16	(32) 13.12.2017
(31) 16198874	(11) EP3620248	(33) Germany
(32) 15.11.2016	(21) EP18193443.1	(51) B23D 59/00
(33) European Patent Office (EPO)	(47) 22.06.2022	B23D 49/16
(51) B22F 10/00	(22) 10.09.2018	B23Q 11/00
B22F 12/00	(54) COUPLING DEVICE	(11) EP3715032
B29C 64/153	(73) SMW-Autoblok Spannsysteme GmbH	(21) EP20166690.6
G03G 9/087	(72) MAURER, Eckhard	(47) 22.06.2022
B33Y 70/00	(51) B23B 45/04	(22) 30.03.2020
B29B 9/12	B23B 35/00	(54) RECIPROCATING SAW
B29B 7/90	B23Q 17/09	(73) Techtronic Cordless GP
B29B 9/14	B25B 23/00	(72) WILLIAMS, Brianna
B29B 9/16	B25B 23/145	PREUS, Michael
B29B 9/06	(11) EP2898968	(31) 201962826500 P
(11) EP3560685	(21) EP15151309.0	(32) 29.03.2019
(21) EP19154588.8	(47) 22.06.2022	(33) United States of America
(47) 22.06.2022	(22) 15.01.2015	(51) B23D 65/02
(22) 30.01.2019	(54) System and method for processing a	B23D 65/04
(54) RESIN PARTICLES FOR FORMING	workpiece	B23K 26/04
THREE-DIMENSIONAL OBJECT,	(73) The Boeing Company	(11) EP3525972
APPARATUS AND METHOD FOR	(72) DeLand, James Albert	(21) EP17783564.2
PRODUCING THREE-DIMENSIONAL	Jones, Darrell Darwin	(47) 22.06.2022
OBJECT, AND RESIN PARTICLES	(31) 201414174331	(87) GB2017053030
(73) Ricoh Company, Ltd.	201461931819 P	19.04.2018
(72) Higuchi, Shinzo	(32) 06.02.2014	(22) 06.10.2017
Naruse, Mitsuru	27.01.2014	(54) METHOD OF MANUFACTURING A
Kamoda, Kiichi	(33) United States of America	TOOTHED BLADE AND APPARATUS
Mutoh, Toshiyuki	United States of America	FOR MANUFACTURING SUCH A
Iida, Sohichiroh	(51) B23B 51/00	BLADE
Iwatsuki, Hitoshi	(11) EP3427876	(73) Liberty Performance Steels Limited
Iseki, Toshiyuki	(21) EP17180497.4	(72) JUKES, Carl
Yamashita, Yasuyuki	(47) 22.06.2022	HORAN, Michael
Saito, Akira	(22) 10.07.2017	(31) 201617474
Aman, Yasutomo	(54) ROTARY CUTTING INSERT AND TOOL	(32) 14.10.2016
(31) 2018119566	HAVING AXIAL LOCKING MEMBER	(33) United Kingdom
2018049274	(73) Sandvik Intellectual Property AB	(51) B23F 19/10
(32) 25.06.2018	(72) EKBÄCK, Johan	(11) EP3552743
16.03.2018	PÄBEL, Helena	(21) EP19158265.9
(33) Japan	(51) B23B 51/06	(47) 22.06.2022
Japan	(11) EP3808479	(22) 20.02.2019
(51) B23B 27/14	(21) EP19930167.2	(54) DEVICE AND METHOD FOR
B23C 5/16	(47) 22.06.2022	CHAMFERING A TOOTHED
C23C 16/34	(87) JP2019033148	WORKPIECE
C23C 16/36	04.03.2021	(73) Liebherr-Verzahntechnik GmbH
(11) EP3572172	(22) 23.08.2019	(72) Weixler, Johannes
(21) EP18741099.8	(54) SINGLE-EDGE DRILL FOR FORMING A	(31) 102018108622
(47) 22.06.2022	DEEP HOLE	(32) 11.04.2018
(87) JP2018001145	(73) GOAL CO., LTD.	(33) Germany
26.07.2018	NISHIKEN INC.	(51) B23G 9/00
(22) 17.01.2018	(72) KAWANO, Takahiro	(11) EP3269459
(54) SURFACE COATED CUTTING	NISHIMURA, Yuuki	(21) EP17161011.6
TOOL HAVING HARD COATING	NAITO, Takeshi	(47) 22.06.2022
LAYER EXHIBITING EXCELLENT	(51) B23D 21/10	(22) 15.03.2017

(54) FEMALE SCREW CLEANING METHOD AND DEVICE	(11) EP3753667	(11) EP3870405
(73) Sugino Machine Limited	(21) EP19753686.5	(21) EP19802045.5
(72) MITSUE, Toyoaki	(47) 22.06.2022	(47) 22.06.2022
(31) 2016140756	(87) JP2019002615	(87) DE2019000261
(32) 15.07.2016	22.08.2019	30.04.2020
(33) Japan	(22) 28.01.2019	(22) 10.10.2019
(51) B23K 11/31	(54) LASER WELDING DEVICE AND LASER WELDING METHOD	(54) DEVICE FOR MACHINING A WORKPIECE
(11) EP2841229	(73) Panasonic Intellectual Property Management Co., Ltd.	(73) zwo17 GmbH & Co. KG
(21) EP13720873.2	(72) SAKURAI, Michio	(72) EUGLER, Norbert
(47) 22.06.2022	SAKAI, Toru	(31) 102018008428
(87) EP2013058693	(31) 2018025737	(32) 26.10.2018
31.10.2013	(32) 16.02.2018	(33) Germany
(22) 26.04.2013	(33) Japan	(51) B23Q 7/14
(54) JOINING COMPONENTS BY MEANS OF RESISTANCE WELDING	(51) B23K 26/14	B25J 19/00
(73) Volkswagen Aktiengesellschaft	B23K 26/70	B65G 61/00
(72) VOIGT, Alexander	(11) EP3479948	B25J 9/00
GRAUL, Matthias	(21) EP18202704.5	(11) EP3689539
(31) 102012008831	(47) 22.06.2022	(21) EP20153566.3
(32) 28.04.2012	(22) 25.10.2018	(47) 22.06.2022
(33) Germany	(54) METHOD AND APPARATUS FOR ALIGNING A PROCESS GAS JET NOZZLE AND LASER MACHINING BEAM	(22) 24.01.2020
(51) B23K 20/12	(73) Raytheon Technologies Corporation	(54) MODULAR PLATFORM
B23Q 11/10	(72) PIZZOLA, Anthony	(73) Granta (Group) Limited
B23Q 11/14	(31) 201715793138	(72) HETHERINGTON, Ryan
F25D 17/02	(32) 25.10.2017	MARSH, Matthew
(11) EP3450079	(33) United States of America	SMITH, David
(21) EP17789554.7	(51) B23K 26/146	YATES, Justin
(47) 22.06.2022	B23K 26/356	MARSH, Derek
(87) JP2017016424	B23K 26/00	MARSH, Mark
02.11.2017	B23K 26/14	Roger, MARSH
(22) 25.04.2017	C21D 10/00	MARSH, Joseph
(54) FRICTION STIR WELDING DEVICE	(11) EP3572181	MARSH, John
(73) Hitachi Power Solutions Co., Ltd.	(21) EP17892788.5	(31) 201901422
(72) ISHIGURO, Koichi	(47) 22.06.2022	(32) 01.02.2019
ODAKURA, Tomio	(87) JP2017039459	(33) United Kingdom
(31) 2016090487	26.07.2018	(51) B24B 9/08
(32) 28.04.2016	(22) 31.10.2017	B24B 47/10
(33) Japan	(54) LASER PEENING DEVICE AND LASER PEENING METHODS	B24B 41/06
(51) B23K 20/12	(73) Subaru Corporation	B32B 17/06
C04B 35/584	(72) NAKANO, Mayu	B32B 38/00
(11) EP3498414	(31) 2017009877	B32B 17/10
(21) EP17839379.9	(32) 23.01.2017	(11) EP3525983
(47) 22.06.2022	(33) Japan	(21) EP17859746.4
(87) JP2017028457	(51) B23Q 1/00	(47) 22.06.2022
15.02.2018	B23Q 1/70	(87) KR2017011271
(22) 04.08.2017	B23Q 17/12	19.04.2018
(54) FRICTION STIR WELDING TOOL MEMBER MADE OF SILICON NITRIDE SINTERED COMPACT, FRICTION STIR WELDING DEVICE AND METHOD USING SAME	(11) EP3221082	(22) 12.10.2017
(73) Toshiba Materials Co., Ltd.	(21) EP15812962.7	(54) METHODS AND APPARATUS FOR GLASS LAMINATE EDGE FINISHING AND GLASS LAMINATES FORMED THEREBY
Osaka University	(47) 22.06.2022	(73) Corning Incorporated
(72) ABE, Yutaka	(87) EP2015077011	(72) PARK, Cheol-Hee
IKEDA, Isao	26.05.2016	SHIN, Dong-Keun
FUJII, Hidetoshi	(22) 18.11.2015	KONG, Sun-Hwan
FUNAKI, Kai	(54) SPINDLE DEVICE AND MACHINE TOOL HAVING A SPINDLE DEVICE	(31) 20160132404
MORISADA, Yoshiaki	(73) DMG MORI Ultrasonic Lasertec GmbH	(32) 12.10.2016
KATO, Masahiro	(72) SCHWENK, Gaston	(33) Korea (Republic)
(31) 2016156383	KETELAER, Jens	(51) B24C 1/04
(32) 09.08.2016	PRAETORIUS, Manuel	B24C 5/04
(33) Japan	FEUCHT, Florian	(11) EP3486034
(51) B23K 26/064	(31) 102014223544	(21) EP17856053.8
B23K 26/24	(32) 18.11.2014	(47) 22.06.2022
B23K 31/12	(33) Germany	(87) JP2017034538
B23K 26/082	(51) B23Q 7/04	05.04.2018
B23K 26/03		(22) 25.09.2017
		(54) A DRILLING METHOD OF FORMING A HOLE HAVING A DESIRED DIAMETER

IN A FIBER REINFORCED PLASTIC WORKPIECE	(31) 102017211779	(33) United States of America
(73) Sintokogio, Ltd.	102016212599	(51) B25C 1/04
(72) INOUE Kouichi	(32) 10.07.2017	B25C 1/00
(31) 2017043513	11.07.2016	(11) EP3461590
2016189185	(33) Germany	(21) EP18196165.7
(32) 08.03.2017	Germany	(47) 22.06.2022
28.09.2016	(51) B25B 23/14	(22) 24.09.2018
(33) Japan	B25B 21/00	(54) DRIVING TOOL
(51) B24C 11/00	B25B 21/02	(73) Max Co., Ltd.
B24C 3/32	(11) EP3028815	(72) TANAKA, Hiroshi
C22C 21/06	(21) EP15183811.7	(31) 2017191693
C22C 23/02	(47) 22.06.2022	(32) 29.09.2017
(11) EP3546125	(22) 04.09.2015	(33) Japan
(21) EP19165209.8	(54) HAND TOOL WITH A TORQUE COUPLING	(51) B25C 1/06
(47) 22.06.2022	(73) Robert Bosch GmbH	(11) EP2711134
(22) 26.03.2019	(72) Roehm, Heiko	(21) EP13185042.2
(54) ALUMINIUM-SCANDIUM ALLOY CONTAINING BLASTING MATERIAL FOR BLAST CLEANING OF BODY CONTAINING AL AND/OR MG	Brennenstuhl, Jens	(47) 22.06.2022
(73) Airbus Defence and Space GmbH	(31) 102014224931	(22) 18.09.2013
(72) PALM, Frank	(32) 04.12.2014	(54) Stall release lever for fastening tool
(31) 102018204593	(33) Germany	(73) Black & Decker Inc.
(32) 27.03.2018	(51) B25B 27/02	(72) Gross, Paul Gerard
(33) Germany	(11) EP3402630	Brendel, Lee Michael
(51) B24D 18/00	(21) EP17701373.7	Baron, Michael P.
C09K 3/14	(47) 22.06.2022	(31) 201313797046
C09C 1/68	(87) US2017012263	201261703463 P
B01J 2/22	20.07.2017	(32) 12.03.2013
B01J 2/26	(22) 05.01.2017	20.09.2012
B41M 1/12	(54) FASTENER REMOVAL TOOLS AND METHODS	(33) United States of America
(11) EP2866977	(73) General Electric Company	United States of America
(21) EP13809886.8	(72) WOJCIECHOWSKI, Piotr Hubert	(51) B25C 1/06
(47) 22.06.2022	PERKOWSKI, Szymon	B25C 1/04
(87) US2013048768	(31) 41576216	(11) EP3715054
03.01.2014	(32) 11.01.2016	(21) EP18886337.7
(22) 28.06.2013	(33) Poland	(47) 22.06.2022
(54) ABRASIVE PARTICLES HAVING PARTICULAR SHAPES AND METHODS OF FORMING SUCH PARTICLES	(51) B25B 27/14	(87) CN2018118979
(73) Saint-Gobain Ceramics&Plastics, Inc.	B25C 5/02	13.06.2019
(72) IYENGAR, Sujatha	(11) EP2641699	(22) 03.12.2018
CZEREPINSKI, Jennifer H.	(21) EP13159542.3	(54) NAILING APPARATUS
MARLIN, Samuel	(47) 22.06.2022	(73) Beijing Dafeng Technology Ltd.
BREder, Kristin K.	(22) 15.03.2013	(72) FENG, Zezhou
KAVANAUGH, Michael D.	(54) Cordless carton closer	LIAO, Zhiwen
YENER, Doruk Omer	(73) Stanley Fastening Systems L.P.	FAN, Yue
(31) 201261667632 P	(72) Scabin, Gianpaolo	(31) 201711261483
201261666746 P	(31) 201313803760	201711261438
(32) 03.07.2012	201261612649 P	(32) 04.12.2017
29.06.2012	(32) 14.03.2013	04.12.2017
(33) United States of America	19.03.2012	(33) China
United States of America	(33) United States of America	China
(51) B25B 21/00	United States of America	(51) B25F 5/00
B25F 5/00	(51) B25C 1/00	(11) EP2855101
B25B 21/02	B25C 5/16	(21) EP13722441.6
(11) EP3481594	(11) EP3213873	(47) 22.06.2022
(21) EP17739958.1	(21) EP17161682.4	(87) EP2013059912
(47) 22.06.2022	(47) 22.06.2022	28.11.2013
(87) EP2017067404	(22) 31.05.2013	(22) 14.05.2013
18.01.2018	(54) MAGAZINE ASSEMBLY FOR A FASTENING TOOL	(54) TOOL
(22) 11.07.2017	(73) Black & Decker Inc.	(73) Gustav Klauke GmbH
(54) HAND-HELD POWER TOOL DEVICE	(72) Baron, Michael P.	(72) FRENKEN, Egbert
(73) Robert Bosch GmbH	Hagan, Todd, A	BOBOWICZ, Roman
(72) BLUM, Jens	Garber, Stuart	(31) 102012104538
HERR, Tobias	Gregory, Larry Eugene	(32) 25.05.2012
	Brendel, Lee Michael	(33) Germany
	(31) 201213485007	(51) B25F 5/00
	(32) 31.05.2012	B25F 3/00
		(11) EP3517251
		(21) EP17852380.9
		(47) 22.06.2022

(87) CN2017102526 29.03.2018	(21) EP19718226.4 (47) 22.06.2022	B66C 1/02 (11) EP3838513
(22) 20.09.2017	(87) AT2019060075 12.09.2019	(21) EP20206362.4 (47) 22.06.2022
(54) POWER DEVICE, ELECTRIC POWER TOOL AND SYSTEM	(22) 07.03.2019	(22) 09.11.2020
(73) Positec Power Tools (Suzhou) Co., Ltd	(54) ROBOT SYSTEM FOR GRIPPING AN ITEM IN A STORAGE AND PICKING SYSTEM, AND OPERATING METHOD FOR SAME	(54) COMPRESSIBLE SECTIONING SUCTION CUP LIP AND SUCTION CUP COMPRISING THE LIP
(72) ZHANG, Haibo ZHU, Hang	(73) TGW Logistics Group GmbH	(73) Piab Aktiebolag
(31) 201710158045 201621066027 U 201610834768	(72) SCHRÖPF, Harald PRECHTL, Christian AIGLSTORFER, Stefan	(72) MOBERG, Johan (31) 19219101 (32) 20.12.2019 (33) European Patent Office (EPO)
(32) 16.03.2017 20.09.2016 20.09.2016	(31) 502052018 (32) 09.03.2018 (33) Austria	(51) B25J 19/00 B25J 17/02 B25J 9/04 B25J 9/12 B25J 9/10
(33) China China China	(51) B25J 9/16 B60D 1/01 G05D 1/02 B25J 5/00 B25J 11/00 G05D 1/00	(11) EP3419796 (21) EP17718964.4 (47) 22.06.2022 (87) EP2017060049 02.11.2017 (22) 27.04.2017 (54) MOTORIZED JOINT FOR A PROGRAMMABLE MOVING MACHINE
(51) B25F 5/02 A01D 34/90 A01G 3/053 A01G 3/08	(11) EP3368250 (21) EP16859208.7 (47) 22.06.2022 (87) IL2016051163 04.05.2017	(73) Ovalo GmbH (72) GILGES, Siegmard (31) 93045 (32) 27.04.2016 (33) Luxembourg
(11) EP3718698 (21) EP20166330.9 (47) 22.06.2022 (22) 27.03.2020	(22) 27.10.2016 (54) ROBOTIC COOPERATIVE SYSTEM (73) Bar-Ilan University (72) ERUSALIMCHIK, Dan FRIEDLER, Assaf YAKIR, Ari KAMINKA, Gal ELMALIACH, Yehuda	(51) B25J 19/06 B25J 17/02 B25J 9/16 (11) EP2679354 (21) EP13003099.2 (47) 22.06.2022 (22) 18.06.2013 (54) Device and method for the automated handling of workpieces
(54) HANDHELD ELECTRICAL POWER TOOL	(22) 27.10.2016 (54) ROBOTIC COOPERATIVE SYSTEM (73) Bar-Ilan University (72) ERUSALIMCHIK, Dan FRIEDLER, Assaf YAKIR, Ari KAMINKA, Gal ELMALIACH, Yehuda	(73) Liebherr-Verzahntechnik GmbH (72) Mundt, Alois Riedmiller, Bernhard Mattern, Thomas Hänschke, David (31) 102012012988 (32) 29.06.2012 (33) Germany
(73) Globe (Jiangsu) Co., Ltd. (72) ZHU, Jingcheng (31) 201910235254 (32) 27.03.2019 (33) China	(22) 27.10.2016 (54) ROBOTIC COOPERATIVE SYSTEM (73) Bar-Ilan University (72) ERUSALIMCHIK, Dan FRIEDLER, Assaf YAKIR, Ari KAMINKA, Gal ELMALIACH, Yehuda	(51) B25J 19/06 B25J 17/02 B25J 9/16 (11) EP2679354 (21) EP13003099.2 (47) 22.06.2022 (22) 18.06.2013 (54) Device and method for the automated handling of workpieces
(51) B25G 1/04 A01D 34/416 F16B 7/04	(22) 27.10.2016 (54) ROBOTIC COOPERATIVE SYSTEM (73) Bar-Ilan University (72) ERUSALIMCHIK, Dan FRIEDLER, Assaf YAKIR, Ari KAMINKA, Gal ELMALIACH, Yehuda	(51) B25J 19/06 B25J 17/02 B25J 9/16 (11) EP2679354 (21) EP13003099.2 (47) 22.06.2022 (22) 18.06.2013 (54) Device and method for the automated handling of workpieces
(11) EP3566818 (21) EP19160006.3 (47) 22.06.2022 (22) 28.02.2019	(31) 201562247212 P (32) 28.10.2015 (33) United States of America	(54) Device and method for the automated handling of workpieces
(54) SHAFT COUPLER FOR A TOOL	(51) B25J 9/16 H04N 13/00 (11) EP3325227 (21) EP16753733.1 (47) 22.06.2022 (87) US2016042482 26.01.2017	(73) Liebherr-Verzahntechnik GmbH (72) Mundt, Alois Riedmiller, Bernhard Mattern, Thomas Hänschke, David (31) 102012012988 (32) 29.06.2012 (33) Germany
(73) Techtronic Outdoor Products Technology Limited	(22) 15.07.2016 (54) VISION SYSTEM WITH AUTOMATIC CALIBRATION	(51) B25J 21/00 B25J 21/02 (11) EP3838519 (21) EP20214615.5 (47) 22.06.2022 (22) 16.12.2020 (54) INSULATOR
(72) Boyles, Tyler W (31) 201862637793 P (32) 02.03.2018 (33) United States of America	(22) 15.07.2016 (54) VISION SYSTEM WITH AUTOMATIC CALIBRATION	(73) JCE Biotechnology (72) GOHIER, Eric (31) 1914640 (32) 17.12.2019 (33) France
(51) B25J 9/06 B25J 9/16 G05D 1/06	(73) Apex Brands, Inc. (72) BURAKOU, Aliaksandr (31) 201562193804 P (32) 17.07.2015 (33) United States of America	(51) B25J 21/00 B25J 21/02 (11) EP3838519 (21) EP20214615.5 (47) 22.06.2022 (22) 16.12.2020 (54) INSULATOR
(11) EP3204834 (21) EP15775197.5 (47) 22.06.2022 (87) EP2015072923 14.04.2016	(51) B25J 15/04 B25J 19/00 (11) EP3867023 (21) EP20730372.8 (47) 22.06.2022 (87) AT2020060185 12.11.2020	(54) INSULATOR (73) JCE Biotechnology (72) GOHIER, Eric (31) 1914640 (32) 17.12.2019 (33) France
(22) 05.10.2015	(22) 08.05.2020 (54) CHANGE-OVER DEVICE (73) FACC AG (72) LENGLACHNER, Wolfgang	(51) B26B 19/04 (11) EP3784453 (21) EP19723624.3 (47) 22.06.2022 (87) AT2019000014 31.10.2019 (22) 25.04.2019 (54) CUTTING HEAD
(54) GUIDANCE OF UNDERWATER SNAKE ROBOTS	(31) 504192019 (32) 09.05.2019 (33) Austria	(51) B25J 15/06 (11) EP3762187
(73) Eelume AS (72) LILJEBÄCK, Pål KELASIDI, Eleni GRAVDAHL, Jan Tommy PETTERSEN, Kristin Ytterstad	(31) 504192019 (32) 09.05.2019 (33) Austria	(51) B25J 15/06 (11) EP3762187
(31) 201417625 (32) 06.10.2014 (33) United Kingdom	(31) 504192019 (32) 09.05.2019 (33) Austria	(51) B25J 15/06 (11) EP3762187
(51) B25J 9/16 B25J 15/06	(31) 504192019 (32) 09.05.2019 (33) Austria	(51) B25J 15/06 (11) EP3762187
(11) EP3762187	(51) B25J 15/06	(54) CUTTING HEAD

(73) Payer International Technologies GmbH	(51) B27L 7/00	(54) DEVICE FOR VULCANIZING
(72) HENDLER, René	B27L 7/06	CONTINUOUS PROFILED ELEMENTS
OSWALD, Mathias	B27L 7/08	(73) Gerlach Maschinenbau GmbH
(31) 1212018	B26D 1/02	(72) MÖCKEL, Jens
(32) 27.04.2018	B26D 7/22	WAWROSCH, Jakob
(33) Austria	B27G 21/00	(31) 102018112986
(51) B26D 1/40	(11) EP2934836	(32) 30.05.2018
B26D 5/00	(21) EP13865731.7	(33) Germany
B26D 7/26	(47) 22.06.2022	(51) B29C 44/42
B26D 9/00	(87) NZ2013000239	(11) EP3763502
(11) EP3790714	26.06.2014	(21) EP20185246.4
(21) EP19729860.7	(22) 19.12.2013	(47) 22.06.2022
(47) 22.06.2022	(54) SPLITTING APPARATUS	(22) 10.07.2020
(87) IT2019050097	(73) Hutchinson, Vaughan John	(54) APPARATUS AND METHOD FOR
14.11.2019	(72) HUTCHINSON, Ayla	FOAMING REFRIGERATOR CABINETS
(22) 09.05.2019	HUTCHINSON, Vaughan John	(73) Cannon Ergos S.P.A.
(54) AUTOMATIC CUTTER	(31) 61355113	(72) De Rossi, Claudio
(73) Neolt Factory S.r.l.	60513312	Volpato, Marco
(72) BRICCOLI PONTIGGIA, Ettore	(32) 24.07.2013	Orlandini, Andrea
(31) 201800005185	21.12.2012	(31) 201900011679
(32) 09.05.2018	(33) New Zealand	(32) 12.07.2019
(33) Italy	New Zealand	(33) Italy
(51) B27B 5/22	(51) B27N 3/00	(51) B29C 45/26
B27B 31/06	B27N 7/00	B29C 45/44
B65G 47/22	B32B 7/12	B29C 45/73
(11) EP3575051	B32B 21/02	B29L 31/24
(21) EP19174684.1	B32B 21/08	(11) EP3749498
(47) 22.06.2022	B32B 27/36	(21) EP19705127.9
(22) 15.05.2019	C08L 97/02	(47) 22.06.2022
(54) DEVICE FOR DISPLACING TIMBER	B32B 9/02	(87) EP2019052746
PIECES	(11) EP3881994	15.08.2019
(73) Renholmen AB	(21) EP21166895.9	(22) 05.02.2019
(72) MARKLUND, Gunnar	(47) 22.06.2022	(54) MOLD ASSEMBLY FOR INJECTION
HEDMAN, Jon	(22) 26.03.2019	MOLDING OF A PLASTIC PIPE FITTING
(31) 1850641	(54) RECYCLABLE WOODEN PRODUCT,	AND INJECTION MOLDED PIPE
(32) 28.05.2018	IN PARTICULAR A RECYCLABLE	FITTING MADE OF PLASTICS
(33) Sweden	DECORATIVE LAMINATE BASED ON	(73) Uponor Innovation AB
(51) B27D 5/00	WOODEN MATERIAL	(72) SMAHL, Jarmo
G01N 21/00	(73) Flooring Technologies Ltd.	(31) 20185102
(11) EP3792024	(72) Dr. Kalwa, Norbert	(32) 06.02.2018
(21) EP20195211.6	(51) B29C 33/00	(33) Finland
(47) 22.06.2022	B29C 44/34	(51) B29C 45/77
(22) 09.09.2020	B29C 45/76	B29C 45/76
(54) CONTROL SYSTEM FOR EDGE	(11) EP3661716	(11) EP3619023
BANDING MACHINES	(21) EP18750200.0	(21) EP18721795.5
(73) SCM Group S.p.A.	(47) 22.06.2022	(47) 22.06.2022
(72) CIOLLI, Mattia	(87) EP2018071153	(87) EP2018061342
(31) 201900016187	07.02.2019	08.11.2018
(32) 12.09.2019	(22) 03.08.2018	(22) 03.05.2018
(33) Italy	(54) SEALING SYSTEM AND MOLDING	(54) CONTROL AND REGULATION OF
(51) B27F 7/19	TOOL	THE PRESSURE OF A CYCLICALLY
B27F 7/36	(73) FRIMO Group GmbH	OPERATING INJECTION MOULDING
(11) EP3789167	(72) HUSTER, Hermann	MACHINE
(21) EP20195224.9	LAUSE, Jürgen	(73) Arburg GmbH + Co KG
(47) 22.06.2022	(31) 102017213494	(72) RUF, Thomas
(22) 09.09.2020	(32) 03.08.2017	DUFFNER, DR., Eberhardt
(54) ELECTRIC STAPLER	(33) Germany	(31) 102017207586
(73) Max Co., Ltd.	(51) B29C 35/06	(32) 05.05.2017
(72) CHIGIRA, Yoshio	B29C 35/04	(33) Germany
KAMEDA, Futoshi	B29C 35/02	(51) B29C 48/68
KISHI, Kazuhiko	B29C 48/91	B29C 48/76
(31) 2019182489	(11) EP3802044	B29C 48/693
2019163938	(21) EP19722890.1	B29B 7/42
(32) 02.10.2019	(47) 22.06.2022	B29C 48/375
09.09.2019	(87) EP2019061806	(11) EP3280581
(33) Japan	05.12.2019	(21) EP16730445.0
Japan	(22) 08.05.2019	(47) 22.06.2022
		(87) FR2016050811

13.10.2016	LINKE, Michael	(73) Huazhong University of Science and Technology
(22) 08.04.2016	ULUTÜRK, Deniz	(72) LIU, Zhufeng
(54) METHOD AND SYSTEM FOR THE PRODUCTION OF DECONTAMINATED NATURAL RUBBER	HEROLD, Thomas	LI, Chenchui
(73) Compagnie Générale des Etablissements Michelin	BERGER, Frank	LI, Zhaoqing
(72) DUSSILLOLS, Jérôme	ZIMMERING, Bernd	WEN, Shifeng
MERCERON, Jean-Luc	BAUMGARTE, Rolf	SHI, Yusheng
(31) 1553154	WIESE, Arne	YAN, Chunze
(32) 10.04.2015	HAESSENDONCKX, Frank	WU, Jiamin
(33) France	(31) 102017120863	CHEN, Peng
(51) B29C 49/06	(32) 10.09.2017	ZHANG, Lichao
A46B 5/02	(33) Germany	(31) 201910447966
B29L 31/42	(51) B29C 64/10	(32) 27.05.2019
B29C 49/64	B33Y 10/00	(33) China
B29C 45/14	B29D 11/00	(51) B29C 64/153
A46D 3/04	G02B 3/00	B29C 64/371
B29C 49/02	B42D 25/324	B22F 12/00
B29C 49/04	B33Y 80/00	B22F 10/20
B29C 49/20	B33Y 30/00	B22F 10/70
B29C 49/24	B29C 64/20	B33Y 30/00
A46D 3/00	(11) EP3325277	B33Y 40/00
B29C 45/16	(21) EP15901859.7	(11) EP3482910
B29C 45/17	(47) 22.06.2022	(21) EP17200671.0
B29C 49/22	(87) US2015046043	(47) 22.06.2022
B29C 49/36	23.02.2017	(22) 08.11.2017
B29C 49/38	(22) 20.08.2015	(54) APPARATUS FOR ADDITIVELY MANUFACTURING THREE-DIMENSIONAL OBJECTS
B29C 49/48	(54) PRINTED FACETS	(73) CL Schutzrechtsverwaltungs GmbH
(11) EP2782740	(73) HP INDIGO B.V.	(72) Winiarski, Daniel
(21) EP12794843.8	(72) GAASH, Amir	Engel, Viktor
(47) 22.06.2022	ASKELAND, Ronald A,	(51) B29C 64/165
(87) US2012066323	MANOUSAKIS, Stylianos	B29C 64/153
30.05.2013	(51) B29C 64/118	B22F 10/14
(22) 21.11.2012	B29C 70/38	B29C 64/295
(54) METHOD FOR PRODUCING A TOOTHBRUSH HAVING AN INNER CAVITY	B33Y 10/00	B22F 12/13
(73) The Procter & Gamble Company	B33Y 30/00	B22F 12/44
(72) BRESSELSCHMIDT, Andreas	C08J 5/24	B22F 12/45
HORTON, Andrew, Joseph	C08J 5/04	B33Y 10/00
STOERKEL, Jens, Uwe	B29K 101/12	B33Y 30/00
WEN, Li	(11) EP3666501	(11) EP3582951
BIRK, Andreas	(21) EP19215668.5	(21) EP17906197.3
HUSTEDT, Siegfried, Kurt Martin	(47) 22.06.2022	(47) 22.06.2022
PFEIFER, Ulrich	(22) 12.12.2019	(87) US2017028845
WINKLER, Tilmann	(54) METHOD AND DEVICE FOR IMPREGNATING FIBROUS MATERIAL	25.10.2018
SCHMELCHER, Heidrun, Annika	(73) Deutsches Zentrum für Luft- und Raumfahrt e.V.	(22) 21.04.2017
NEWMAN, Matthew, Lloyd	(72) GROHMANN, Yanniss	(54) ADDITIVE MANUFACTURING MACHINE HEAT FLUX
SCHMID, Franziska	(31) 102018132030	(73) Hewlett-Packard Development Company, L.P.
WILSON, Benjamin, John	(32) 13.12.2018	(72) BARNES, Arthur H.
KAWERAU, Jochen	(33) Germany	(51) B29C 64/307
(31) 201161562675 P	(51) B29C 64/153	B22F 3/105
(32) 22.11.2011	B29C 64/218	(11) EP3697597
(33) United States of America	B29C 64/232	(21) EP18788707.0
(51) B29C 49/78	B29C 64/236	(47) 22.06.2022
(11) EP3681692	B29C 64/245	(87) EP2018077637
(21) EP18773101.3	B29C 64/25	25.04.2019
(47) 22.06.2022	B29C 64/295	(22) 10.10.2018
(87) EP2018074021	B29C 64/35	(54) LIFTING DEVICE FOR A CONSTRUCTION CYLINDER IN A MACHINE, MACHINE FOR PRODUCING THREE DIMENSIONAL COMPONENTS WITH A LIFTING DEVICE AND METHOD FOR CONTROLLING THE LIFTING DEVICE
14.03.2019	B29C 64/386	(73) TRUMPF Laser-und Systemtechnik GmbH
(22) 06.09.2018	B33Y 10/00	
(54) PROCESS AND DEVICE FOR MANUFACTURING OF PLASTIC CONTAINERS	B33Y 30/00	
(73) KHS GmbH	B33Y 40/00	
(72) RASCH, Jens-Peter	B33Y 40/10	
GERKENS, André	(11) EP3744506	
	(21) EP19207048.0	
	(47) 22.06.2022	
	(22) 05.11.2019	
	(54) SELECTIVE LASER SINTERING DEVICE	

(72) GEISLER, Tim	Henne, Markus	(22) 12.01.2018
PIEGER, Markus	(51) B29D 11/00	(54) SHEET-LIKE COMPOSITE FOR
(31) 102017124424	B29C 64/112	PRODUCING DIMENSIONALLY
(32) 19.10.2017	B33Y 70/00	STABLE FOOD PRODUCT
(33) Germany	B33Y 80/00	CONTAINERS WITH A BARRIER
(51) B29C 64/393	(11) EP3860838	LAYER COMPRISING A BARRIER
B29C 64/118	(21) EP19778555.3	SUBSTRATE LAYER AND AN
(11) EP3826826	(47) 22.06.2022	INWARDS-POINTING BARRIER
(21) EP19749447.9	(87) EP2019076831	MATERIAL LAYER
(47) 22.06.2022	09.04.2020	(73) SIG Technology AG
(87) NL2019050427	(22) 03.10.2019	(72) HEINZE, Daniel
30.01.2020	(54) METHOD FOR THE MANUFACTURING	(31) 102017201449
(22) 09.07.2019	OF AN OPTICAL ELEMENT, OPTICAL	(32) 30.01.2017
(54) METHOD AND APPARATUS FOR	ELEMENT THUS OBTAINED	(33) Germany
MANAGING OOZE FROM A PRINT	(73) ESSLOR INTERNATIONAL	(51) B32B 5/00
NOZZLE	(72) LECOMPERE, Maxime	B32B 5/02
(73) Ultimaker B.V.	FEUILLADE, Mathieu	B32B 5/28
(72) CANDLER, Paul Anthony	LEITE, Pierre	B32B 7/00
(31) 2021381	FROMENTIN, Pierre	B32B 7/04
(32) 24.07.2018	(31) 18306315	B32B 7/10
(33) Netherlands	(32) 05.10.2018	B32B 15/00
(51) B29C 65/34	(33) European Patent Office (EPO)	B32B 15/04
F16L 47/03	(51) B29D 30/48	B32B 15/08
F16L 47/34	(11) EP3670167	B32B 15/20
B29L 23/00	(21) EP19217311.0	B32B 27/00
(11) EP3392025	(47) 22.06.2022	B32B 27/06
(21) EP17167392.4	(22) 18.12.2019	B32B 27/08
(47) 22.06.2022	(54) METHOD FOR FORMING A TIRE	B32B 27/20
(22) 20.04.2017	COMPONENT AND TIRE COMPONENT	B32B 27/26
(54) HEATING ELEMENT GEOMETRY FOR	(73) The Goodyear Tire & Rubber Company	B32B 27/28
USE IN A DRILL SADDLE	(72) CHEN, Hongbing	B32B 27/30
(73) Georg Fischer Wavin AG	BALDAN, Adam Mark	B32B 27/36
(72) Hüßy, Jonas	DYRLUND, Christopher David	B32B 27/38
Hablützel, Edwin	(31) 201916659859	B32B 3/00
Petry, Dirk	201862781781 P	B32B 3/02
(51) B29C 65/72	(32) 22.10.2019	(11) EP3166783
B29C 65/34	19.12.2018	(21) EP15745626.0
(11) EP3577340	(33) United States of America	(47) 22.06.2022
(21) EP18747135.4	United States of America	(87) US2015039698
(47) 22.06.2022	(51) B30B 1/18	14.01.2016
(87) SE2018000003	B21D 28/16	(22) 09.07.2015
09.08.2018	B30B 15/00	(54) THIN RESIN FILMS AND THEIR USE IN
(22) 02.02.2018	(11) EP3663079	LAYUPS
(54) METHOD AND ARRANGEMENT	(21) EP19197970.7	(73) Isola USA Corp.
RELATED TO HEATING OF WINGS IN	(47) 22.06.2022	(72) SCHUMACHER, Johann, Richard
WIND POWER PLANTS	(22) 18.09.2019	(31) 201462023154 P
(73) Lindskog, Kjell	(54) FINE BLANKING PRESS	(32) 10.07.2014
(72) Lindskog, Kjell	(73) Hülshorst, Johannes	(33) United States of America
(31) 1700019	(72) Hülshorst, Johannes	(51) B32B 5/02
(32) 06.02.2017	(31) 102018131166	B32B 5/08
(33) Sweden	(32) 06.12.2018	B32B 25/10
(51) B29C 70/50	(33) Germany	B32B 25/14
B29C 70/20	(51) B32B 3/30	B32B 37/00
B29C 53/26	B32B 5/14	B32B 1/08
B32B 37/20	B32B 7/12	B32B 3/08
B32B 38/06	B32B 27/08	B32B 3/30
B32B 38/18	B32B 27/10	B60K 15/01
(11) EP2777919	B32B 27/20	(11) EP3473429
(21) EP13158777.6	B32B 27/32	(21) EP18194438.0
(47) 22.06.2022	B32B 27/30	(47) 22.06.2022
(22) 12.03.2013	B32B 27/34	(22) 14.09.2018
(54) Method for the continuous production of	B32B 27/36	(54) FLUID CONDUIT FOR GUIDING A
laminates from fibre ribbons, and their	B32B 29/00	FLUID
use	(11) EP3573823	(73) VERITAS AG
(73) EMS-CHEMIE AG	(21) EP18700565.7	(72) Knopp, Matthias
(72) Jeltsch, Thomas	(47) 22.06.2022	Rosemann, Michael
Henkelmann, Bernd	(87) EP2018050777	(31) 102017124606
Arnold, Marcus	02.08.2018	(32) 20.10.2017

(33) Germany	(32) 09.12.2019	(51) B32B 27/12
(51) B32B 5/18	(33) Italy	B32B 27/36
B32B 7/022	(51) B32B 27/00	B32B 37/06
B32B 27/06	B32B 27/08	B60R 21/235
B32B 27/18	B65D 65/40	B32B 3/04
B32B 27/32	(11) EP3439874	B32B 3/26
B60N 3/04	(21) EP17716166.8	B32B 5/02
B60R 5/04	(47) 22.06.2022	B32B 7/12
B62D 25/20	(87) EP2017058030	B32B 27/28
C08J 9/04	12.10.2017	B32B 27/30
C08J 9/36	(22) 04.04.2017	B32B 27/32
(11) EP3722094	(54) THERMOPLASTIC FILM FOR VACUUM	B32B 37/04
(21) EP18885009.3	SKIN PACKAGING, METHOD OF	B32B 25/08
(47) 22.06.2022	PACKAGING AND USES THEREOF	B32B 25/10
(87) JP2018044682	(73) Cryovac, LLC	B32B 37/12
13.06.2019	(72) FANFANI, Andrea Federico	C08J 5/12
(22) 05.12.2018	RICCIO, Marina	B32B 27/34
(54) LAYERED FOAMED SHEET AND	(31) 16163740	B32B 27/40
MOLDED ARTICLE THEREOF	(32) 04.04.2016	C08G 63/12
(73) Sekisui Plastics Co., Ltd.	(33) European Patent Office (EPO)	C08L 67/02
(72) UEDA Kouji	(51) B32B 27/08	(11) EP3640024
KAWAMORITA Yosuke	C08L 67/03	(21) EP18817069.0
KITADE Hiroaki	C08J 5/12	(47) 22.06.2022
(31) 2017235344	B32B 27/06	(87) JP2018022995
(32) 07.12.2017	B32B 5/18	20.12.2018
(33) Japan	B32B 27/36	(22) 15.06.2018
(51) B32B 9/00	B32B 7/12	(54) METHOD FOR PRODUCING
G01N 27/30	B32B 5/24	LAMINATE, LAMINATE, AND AIR BAG
B32B 5/16	B32B 27/12	(73) ZF Automotive Germany GmbH
B32B 9/04	B32B 27/18	(72) YAMADA, Yosuke
B32B 27/14	B32B 5/32	TAGAMI, Toru
B32B 27/36	B60R 13/02	LUDWIG, Michael
B32B 7/12	(11) EP3357746	(31) 2017119101
H01B 1/04	(21) EP16851975.9	(32) 16.06.2017
C08J 7/043	(47) 22.06.2022	(33) Japan
C08J 7/044	(87) KR2016007087	(51) B32B 27/32
C08J 7/048	06.04.2017	B32B 27/18
C08J 7/06	(22) 30.06.2016	B32B 27/30
(11) EP3156220	(54) INTERIOR AND EXTERIOR MATERIALS	(11) EP3820697
(21) EP15806360.2	FOR AUTOMOBILE COMPRISING	(21) EP19787208.8
(47) 22.06.2022	POLYESTER RESIN FOAM LAYER AND	(47) 22.06.2022
(87) JP2015066464	FIBER LAYER	(87) EP2019077561
17.12.2015	(73) Huvis Corporation	16.04.2020
(22) 08.06.2015	(72) LEE, Kwang Hee	(22) 11.10.2019
(54) LAYERED PRODUCT AND PROCESS	HUH, Mee	(54) RECYCLABLE PE PACKAGING FILM
FOR PRODUCING SAME	KIM, Woo Jin	WITH IMPROVED STIFFNESS
(73) Toray Industries, Inc.	LEE, Seung Jun	(73) Constantia Pirk GmbH & Co. KG
(72) KUBOTA, Yasuo	(31) 20160052897	(72) SHAH, Pragnesh
TAMAKI, Eiichiro	20160052879	GRAFENSTEIN, Achim
MIYAZONO, Koki	20160053054	JHA, Saket
KATAYAMA, Yutaka	20150180284	(31) 201811038930
KAWABATA, Yusuke	20150174209	(32) 13.10.2018
(31) 2014121346	20150138206	(33) India
(32) 12.06.2014	20150138204	(51) B32B 27/32
(33) Japan	(32) 29.04.2016	C08J 5/18
(51) B32B 17/10	29.04.2016	C08L 23/06
B32B 38/00	29.04.2016	B32B 7/06
(11) EP3835057	16.12.2015	B32B 7/12
(21) EP20212825.2	08.12.2015	B32B 27/08
(47) 22.06.2022	30.09.2015	B32B 27/16
(22) 09.12.2020	30.09.2015	B32B 27/30
(54) METHOD AND FORMING PLANT	(33) Korea (Republic)	B32B 27/36
FOR FORMING A LAMINATED GLASS	Korea (Republic)	B29C 48/23
SHEET	Korea (Republic)	(11) EP3317104
(73) Bottero S.p.A.	Korea (Republic)	(21) EP16725305.3
(72) FACCENDA, Aldo	Korea (Republic)	(47) 22.06.2022
TERZUOLO, Pierluigi	Korea (Republic)	(87) US2016031415
(31) 201900023367	Korea (Republic)	05.01.2017

(22) 09.05.2016	(51) B41F 33/00	B01J 20/26
(54) METHODS OF PREPARING A PEELABLE SEAL LAYER	(11) EP3715127	B01J 20/32
(73) Dow Global Technologies LLC	(21) EP20165906.7	B01J 41/00
(72) TOGNOLA, Marcello	(47) 22.06.2022	(11) EP3708376
BILGEN, Mustafa	(22) 26.03.2020	(21) EP20162891.4
HERNANDEZ, Claudia	(54) PRINTED SHEET INSPECTION SYSTEM AND SHEET-FED PRINTING PRESS COMPRISING THE SAME	(47) 22.06.2022
(31) 15382349	(73) Inopaq Sàrl	(22) 13.03.2020
(32) 30.06.2015	(72) MERMINOD, Antoine	(54) LIQUID ABSORBER, LIQUID ABSORBING UNIT, AND LIQUID EJECTION APPARATUS
(33) European Patent Office (EPO)	(31) 19165187	(73) Seiko Epson Corporation
(51) B32B 27/36	(32) 26.03.2019	(72) YOKOKAWA, Shinobu
B32B 27/12	(33) European Patent Office (EPO)	NAKADA, Shogo
B32B 37/06	(51) B41J 2/015	(31) 2019214040
B60R 21/235	B41J 2/045	2019048868
B32B 3/04	B41J 2/14	(32) 27.11.2019
B32B 3/26	(11) EP3643501	15.03.2019
B32B 5/02	(21) EP18820423.4	(33) Japan
B32B 7/12	(47) 22.06.2022	Japan
B32B 27/28	(87) JP2018022388	(51) B41J 2/175
B32B 7/027	27.12.2018	B32B 1/08
B32B 25/10	(22) 12.06.2018	B32B 27/28
B32B 25/14	(54) INKJET RECORDING DEVICE	F16L 11/04
B60R 21/16	(73) Konica Minolta, Inc.	F16L 11/12
C08G 63/12	(72) SHIMAZOE, Masanori	(11) EP3677432
C08L 67/02	(31) 2017121047	(21) EP18859048.3
(11) EP3640028	(32) 21.06.2017	(47) 22.06.2022
(21) EP18818240.6	(33) Japan	(87) JP2018034702
(47) 22.06.2022	(51) B41J 2/02	28.03.2019
(87) JP2018022992	B41J 29/393	(22) 19.09.2018
20.12.2018	B41J 13/00	(54) INK SUPPLY TUBE PROVIDED WITH GAS BARRIER PROPERTIES
(22) 15.06.2018	(11) EP3619046	(73) Junkosha Inc.
(54) MULTILAYER FILM, LAMINATE, AIRBAG, AND METHOD OF MANUFACTURING LAMINATE	(21) EP18723921.5	(72) YOTSUYA Masato
(73) ZF Automotive Germany GmbH	(47) 22.06.2022	(31) 2017179483
(72) YAMADA, Yosuke	(87) GB2018051171	(32) 19.09.2017
TAGAMI, Toru	08.11.2018	(33) Japan
LUDWIG, Michael	(22) 02.05.2018	(51) B41J 2/175
(31) 2017119099	(54) IMPROVEMENTS IN OR RELATING TO PRINTERS	B41J 2/18
(32) 16.06.2017	(73) Domino UK Limited	B41J 2/185
(33) Japan	(72) MARTIN, Juergen	(11) EP3718773
(51) B41F 16/00	LEE, Daniel John	(21) EP20165011.6
B41M 3/12	BRIDGES, Richard Thomas Calhoun	(47) 22.06.2022
B44C 1/17	(31) 201707044	(22) 23.03.2020
B41J 3/407	(32) 03.05.2017	(54) LIQUID DISCHARGE APPARATUS AND CONTROL METHOD OF LIQUID DISCHARGE APPARATUS
B41M 5/03	(33) United Kingdom	(73) Brother Kogyo Kabushiki Kaisha
B41M 5/025	(51) B41J 2/045	(72) ISHIZAKI, Hiroto
B41M 5/00	B41J 2/21	TSUBOI, Motohiro
B41J 2/005	(11) EP3670190	TAKAHASHI, Yuki
(11) EP3397497	(21) EP19215925.9	(31) 2020025008
(21) EP16829160.7	(47) 22.06.2022	2019065810
(47) 22.06.2022	(22) 13.12.2019	(32) 18.02.2020
(87) US2016066159	(54) LIQUID EJECTING APPARATUS AND METHOD FOR DRIVING THE SAME	29.03.2019
06.07.2017	(73) Seiko Epson Corporation	(33) Japan
(22) 12.12.2016	(72) HATANAKA, Yuji	Japan
(54) METHOD FOR TRANSFERRING MATERIAL WITH ADHESIVE ONTO ARTICLES WITH A DIFFERENCE IN DEGREE OF CURING BETWEEN THE MATERIAL AND ADHESIVE	KAMIBAYASHI, Masashi	(51) B41J 2/175
(73) The Procter & Gamble Company	YOSHIKAWA, Eishin	B41J 29/13
(72) CASSONI, Robert Paul	(31) 2018235181	(11) EP3695973
ALLEN, Matthew Richard	(32) 17.12.2018	(21) EP20156934.0
BAKER, Paul Edmund	(33) Japan	(47) 22.06.2022
ISHIHARA, Tadayoshi	(51) B41J 2/165	(22) 12.02.2020
(31) 201562271363 P	B01J 39/00	(54) PRINTER
(32) 28.12.2015	B01J 20/28	(73) Seiko Epson Corporation
(33) United States of America	B01J 20/12	(72) NETSU, Takahiro
	B01J 20/16	(31) 2019022321
	B01J 20/20	(32) 12.02.2019
	B01J 20/24	

(33) Japan	(21) EP15717165.3	B32B 7/12
(51) B41J 2/18	(47) 22.06.2022	B32B 23/06
B41J 2/175	(87) EP2015058388	B32B 23/08
(11) EP3300898	20.10.2016	B32B 23/20
(21) EP17160177.6	(22) 17.04.2015	B32B 27/08
(47) 22.06.2022	(54) TARGET FOR A PRINTING AND	B32B 27/10
(22) 09.03.2017	CUTTING PROCESS	B32B 27/20
(54) LIQUID EJECTION APPARATUS AND	(73) Hewlett-Packard Development Company,	B32B 27/30
LIQUID SUPPLY UNIT	L.P.	B32B 27/32
(73) BROTHER KOGYO KABUSHIKI KAISHA	(72) SOLANS, Joan	B32B 27/34
(72) SUGIURA, Keita	DOWLING, James	B32B 27/36
(31) 2016190947	YANG, Charlie	B32B 27/40
(32) 29.09.2016	(51) B41J 15/04	(11) EP3603988
(33) Japan	B41J 11/00	(21) EP17903652.0
(51) B41J 2/21	B41J 29/13	(47) 22.06.2022
B41J 2/145	B41J 3/407	(87) JP2017033935
(11) EP3493992	G07G 5/00	04.10.2018
(21) EP16750237.6	(11) EP3533616	(22) 20.09.2017
(47) 22.06.2022	(21) EP19152698.7	(54) SEAL-TYPE THERMAL TRANSFER
(87) GB2016052440	(47) 22.06.2022	IMAGE-RECEIVING SHEET
08.02.2018	(22) 21.01.2019	(73) Dai Nippon Printing Co., Ltd.
(22) 05.08.2016	(54) ASSEMBLY WITH A RECEIPT PRINTER	(72) TANI Masayuki
(54) ARRANGEMENT OF ACTUATOR	IN A HOUSING	ITO Hideo
COMPONENTS FOR A DROPLET	(73) Wincor Nixdorf International GmbH	(31) 2017066096
DEPOSITION APPARATUS, DROPLET	(72) Gröpper, Sascha	(32) 29.03.2017
DEPOSITION APPARATUS, METHOD	(31) 102018101552	(33) Japan
OF OPERATING THE DROPLET	(32) 24.01.2018	(51) B41M 5/44
DEPOSITION APPARATUS AND	(33) Germany	C09D 7/65
CONTROL CIRCUITRY FOR THE	(51) B41J 29/13	(11) EP3175994
DROPLET DEPOSITION APPARATUS	B41J 29/02	(21) EP16199820.8
(73) Xaar Technology Limited	B41J 3/36	(47) 22.06.2022
(72) GARCIA MAZA, Jesus	(11) EP3650235	(22) 21.11.2016
REYERO, Juan	(21) EP19205824.6	(54) THERMOSENSITIVE RECORDING
(51) B41J 3/407	(47) 22.06.2022	MATERIAL
B41J 15/04	(22) 29.10.2019	(73) Rohm and Haas Electronic Materials LLC
B41J 17/32	(54) PORTABLE PRINTER	Dow Global Technologies LLC
B41J 35/28	(73) Seiko Instruments Inc.	(72) LI, Lanfang
(11) EP3434493	(72) ANDO, Norihisa	GINZBURG, Valeriy V.
(21) EP17770354.3	(31) 2018203473	SMITH, Rebecca
(47) 22.06.2022	(32) 30.10.2018	YANG, Jian
(87) JP2017011745	(33) Japan	ROPER III, John A.
28.09.2017	(51) B41M 5/382	EINSLA, Brian R.
(22) 23.03.2017	B41J 31/00	(31) 201562263161 P
(54) TAPE CARTRIDGE	B41M 5/392	(32) 04.12.2015
(73) Brother Kogyo Kabushiki Kaisha	B41M 5/50	(33) United States of America
(72) NISHIHARA, Keisuke	G09F 3/02	(51) B42C 5/00
TONISHI, Hisako	G09F 3/10	B42D 1/00
KODAMA, Akiko	B41M 5/395	B65H 45/16
(31) 2016061790	B41M 5/41	(11) EP3894231
(32) 25.03.2016	B41M 5/42	(21) EP19805398.5
(33) Japan	(11) EP3587134	(47) 22.06.2022
(51) B41J 11/00	(21) EP18761674.3	(87) IB2019059601
B41J 2/21	(47) 22.06.2022	18.06.2020
(11) EP2951021	(87) JP2018007726	(22) 08.11.2019
(21) EP13708913.2	07.09.2018	(54) FOLDING DEVICE TO MAKE TWO
(47) 22.06.2022	(22) 01.03.2018	PARALLEL FOLDS IN A LEAF OF
(87) IL2013050089	(54) COMBINATION OF THERMAL	PAPER OR THE LIKE
07.08.2014	TRANSFER SHEET AND SEAL-TYPE	(73) Peleman Industries, Naamloze
(22) 31.01.2013	PRINTING SHEET	Vennootschap
(54) PRINTER AND IMAGE PROCESSING	(73) Dai Nippon Printing Co., Ltd.	(72) HENNISSEN, Maarten
(73) HP Scitex Ltd	(72) ISHIDA, Tadahiro	PELEMAN, Guido Frans Maria Jozef
(72) VEIS, Alex	(31) 2017038615	(31) 201805879
HALEVI, Eviatar	(32) 01.03.2017	(32) 12.12.2018
ZAPATA, Maria Elizabeth	(33) Japan	(33) Belgium
(51) B41J 11/68	(51) B41M 5/41	(51) B42C 19/08
B41J 11/70	B41M 5/42	(11) EP3842251
(11) EP3233503	B41M 5/52	(21) EP20217249.0
	B32B 7/06	(47) 22.06.2022

(22) 24.12.2020	(47) 22.06.2022	(22) 05.03.2018
(54) BOOKBINDING MACHINE WITH STOP OF TRANSPORT ELEMENTS AT A PROCESSING STATION WHILE TRANSPORT ELEMENTS ARE DISENGAGED AT OTHER PROCESSING STATIONS	(22) 16.08.2017	(54) HEAVY-LOAD TIRE
(73) Meccanotecnica S.p.A.	(54) ACTUATION ASSEMBLY AND METHOD OF PRODUCTION	(73) Bridgestone Corporation
(72) WRUCK, Jan	(73) Hill-Rom Services, Inc.	(72) HASEGAWA Tomoo
FRIESE, Thomas	(72) HILDENBRAND, Chris L	(31) 2017122196
SOMMERER, Frank	MOENTER, Jonathan	(32) 22.06.2017
(31) 201900025639	(31) 201662375655 P	(33) Japan
(32) 27.12.2019	(32) 16.08.2016	(51) B60C 11/16
(33) Italy	(33) United States of America	(11) EP3524443
(51) B42D 25/351	(51) B60C 9/22	(21) EP18156025.1
B42D 25/45	B29D 30/20	(47) 22.06.2022
B42D 25/328	(11) EP2943358	(22) 09.02.2018
B41J 2/325	(21) EP14702680.1	(54) STUD BODY FOR A TRACTION DEVICE AND INSTALLATION METHOD
B41J 29/00	(47) 22.06.2022	(73) Spikesafe OY
B41J 29/38	(87) US2014010805	(72) AALTONEN, Jarmo
B41M 3/14	17.07.2014	SALAKARI, Mikko
B42D 25/333	(22) 09.01.2014	HEIKKINEN, Lauri
B42D 25/342	(54) TIRE OVERLAY COMPOSITION	(51) B60C 23/04
B42D 25/373	(73) DuPont Safety & Construction, Inc.	G06K 19/077
B42D 25/41	(72) LAMONTIA, Mark, Allan	B29D 30/00
B42D 25/455	(31) 201361750533 P	(11) EP3551480
B42D 25/46	(32) 09.01.2013	(21) EP17816956.1
B42D 25/47	(33) United States of America	(47) 22.06.2022
(11) EP3594010	(51) B60C 9/22	(87) FR2017053324
(21) EP18764474.5	B60C 9/00	14.06.2018
(47) 22.06.2022	B60C 9/20	(22) 30.11.2017
(87) JP2018009087	(11) EP3727889	(54) TYRE SUITABLE FOR RUNNING FLAT EQUIPPED WITH AN ELECTRONIC MEMBER
13.09.2018	(21) EP18833484.1	(73) Compagnie Générale des Etablissements Michelin
(22) 08.03.2018	(47) 22.06.2022	(72) MUHLHOFF, Olivier
(54) DISPLAY BODY, BOOKLET, ID CARD, METHOD FOR MANUFACTURING DISPLAY BODY, AND APPARATUS FOR MANUFACTURING DISPLAY BODY	(87) FR2018053268	LALLEMENT, Philippe
(73) Toppan Printing Co., Ltd.	27.06.2019	(31) 1662070
(72) MAEHIRA, Makoto	(22) 13.12.2018	(32) 07.12.2016
YANAGIMOTO, Mizuki	(54) PNEUMATIC TYRE COMPRISING AN IMPROVED BRACING PLY	(33) France
INOKUCHI, Masami	(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	(51) B60C 23/04
(31) 2017186286	(72) CORNILLE, Richard	G06K 19/077
2017045329	RIH, Sabrina	H01Q 1/22
2017045328	FERIGO, Hervé	B60C 19/00
(32) 27.09.2017	(31) 1763122	B29D 30/00
09.03.2017	(32) 22.12.2017	(11) EP3548314
09.03.2017	(33) France	(21) EP17817799.4
(33) Japan	(51) B60C 11/00	(47) 22.06.2022
Japan	B60C 11/13	(87) FR2017053318
Japan	B60C 19/08	14.06.2018
(51) B60B 21/10	B60C 11/03	(22) 30.11.2017
B60B 21/02	(11) EP3778263	(54) PNEUMATIC TYRE EQUIPPED WITH AN ELECTRONIC MEMBER
B60C 15/02	(21) EP20189440.9	(73) Compagnie Générale des Etablissements Michelin
(11) EP3659818	(47) 22.06.2022	(72) ALDON, Isabelle
(21) EP19213001.1	(22) 04.08.2020	DESTRAVES, Julien
(47) 22.06.2022	(54) A TIRE TREAD AND A TIRE COMPRISING A TREAD	CLERGEAT, Jean-Mathieu
(22) 02.12.2019	(73) The Goodyear Tire & Rubber Company	TOURENNE, Annabel
(54) A RIM FOR VEHICLES	(72) SCHWEITZER, Claude	NOEL, Sebastien
(73) WHITE PEACOCK SRL	THOMAS, Jean-Louis Marie Felicien	(31) 1661925
(72) PENADA, Mario	AHRENS, Bodo	(32) 05.12.2016
(31) 201800010746	(31) 201962887174 P	(33) France
(32) 30.11.2018	(32) 15.08.2019	(51) B60G 7/00
(33) Italy	(33) United States of America	F16C 11/06
(51) B60B 33/00	(51) B60C 11/03	(11) EP3648992
F16B 5/02	B60C 9/20	(21) EP18731753.2
(11) EP3284616	B60C 9/28	(47) 22.06.2022
(21) EP17186416.8	(11) EP3643524	(87) EP2018064818
	(21) EP18821609.7	10.01.2019
	(47) 22.06.2022	(22) 06.06.2018
	(87) JP2018008238	
	27.12.2018	

(54) ARRANGEMENT COMPRISING AN ANGLE MEASUREMENT DEVICE AND A CHASSIS OF A VEHICLE	KRAUTNER, Christoph JOOS, Bernd RAUSCHMAIER, Jürgen	(72) MANGIARACINA, Enrico (31) 201800006894 (32) 03.07.2018 (33) Italy
(73) ZF Friedrichshafen AG	(31) 102018001384	(51) B60K 6/48
(72) BÄUMER, Florian	(32) 21.02.2018	B60K 6/365
HOLTHEIDE, Josef	(33) Germany	B60K 6/547
KALLASS, Felix	(51) B60K 1/00	F16H 3/72
SANDER, Thorsten	(11) EP3653419	(11) EP3661791
STRATMANN, Julian	(21) EP19209496.9	(21) EP18750142.4
(31) 102017211396	(47) 22.06.2022	(47) 22.06.2022
(32) 04.07.2017	(22) 15.11.2019	(87) EP2018070689
(33) Germany	(54) GEAR TRAIN AND VEHICLE INSTALLING GEAR TRAIN	07.02.2019
(51) B60H 1/00	(73) Toyota Jidosha Kabushiki Kaisha	(22) 31.07.2018
B60H 1/32	(72) KUBONOYA, Hideki	(54) TRANSMISSION FOR A HYBRID DRIVE ARRANGEMENT, HYBRID DRIVE ARRANGEMENT AND VEHICLE
F04D 29/28	KOMADA, Hideaki	(73) Robert Bosch GmbH
F04D 29/70	HIBINO, Akira	(72) ESZTERLE, Dominik
F04D 29/26	(31) 2018215023	SMEJKAL, Tom
F04D 29/42	(32) 15.11.2018	HUBER, Thomas
F04D 29/22	(33) Japan	BRUMMER, Simon
(11) EP3718799	(51) B60K 1/04	WIRTH, Christian
(21) EP19774357.8	H01M 50/20	DEMPEL, Rolf Lucius
(47) 22.06.2022	H01M 50/24	(31) 102017213385
(87) JP2019010653	(11) EP3668736	(32) 02.08.2017
03.10.2019	(21) EP18782484.2	(33) Germany
(22) 14.03.2019	(47) 22.06.2022	(51) B60K 7/00
(54) BLOWER DEVICE FOR AIR- CONDITIONING OF VEHICLE	(87) FR2018052282	B60L 15/00
(73) Japan Climate Systems Corporation	11.04.2019	B60R 16/02
(72) HAKATA, Toshiki	(22) 18.09.2018	B60K 17/04
SETOUCHI, Naoto	(54) SUPPORT BOX FOR BATTERY	(11) EP3441251
TANAKA, Takeshi	(73) Valeo Systemes Thermiques	(21) EP16897961.5
YONEHARA, Shinji	(72) RUDLOFF, Emmanuel	(47) 22.06.2022
(31) 2018060362	DA COSTA PITO, Sergio	(87) JP2016078828
(32) 27.03.2018	GUYOMARD, Jean-Nicolas	12.10.2017
(33) Japan	LAIR, Guillaume	(22) 29.09.2016
(51) B60H 1/24	HENON, Emmanuel	(54) WIRING STRUCTURE FOR IN-WHEEL MOTOR POWER LINE, AND IN-WHEEL MOTOR DRIVE DEVICE
F16K 24/04	(31) 1759271	(73) NTN Corporation
F24F 13/14	(32) 04.10.2017	(72) TAIKOU, Shinya
F16K 15/03	(33) France	TAMURA, Shiro
(11) EP3743301	(51) B60K 5/12	SUZUKI, Minoru
(21) EP18801121.7	(11) EP3653420	OKAMOTO, Shogo
(47) 22.06.2022	(21) EP19198548.0	SHIBUYA, Yusuke
(87) US2018056969	(47) 22.06.2022	(31) 2016185133
01.08.2019	(22) 20.09.2019	2016076349
(22) 23.10.2018	(54) TRUNNION MOUNT FOR MOUNTING AN ENGINE	(32) 23.09.2016
(54) VENTING VALVE	(73) Liebherr-Components Colmar SAS	06.04.2016
(73) Illinois Tool Works INC.	(72) Ranucci, Sebastien	(33) Japan
(72) JATZKE, Stefan	Leib, Anthony	Japan
LOEWE, Hubert	Bindner, Thierry	(51) B60K 16/00
(31) 102018101406	Potier, Benjamin	B60K 25/00
(32) 23.01.2018	(31) 102018128878	B60L 8/00
(33) Germany	(32) 16.11.2018	(11) EP3883804
(51) B60H 3/06	(33) Germany	(21) EP19835668.5
B60H 1/00	(51) B60K 6/445	(47) 22.06.2022
B01D 46/00	B60K 6/365	(87) EP2019086957
B60H 1/24	B60K 6/387	02.07.2020
B60H 1/26	F16H 3/72	(22) 23.12.2019
(11) EP3755556	B60K 6/38	(54) ECOLOGICAL SYSTEM EXPLOITING KINETIC ENERGY IN VEHICLES
(21) EP19708254.8	(11) EP3817938	(73) ECO EOLIC TOP SYSTEM S.L.
(47) 22.06.2022	(21) EP19748957.8	(72) FINO PUERTO, Pedro Antonio
(87) EP2019054371	(47) 22.06.2022	VARGAS MACHADO, Carlos Mauricio
29.08.2019	(87) IB2019055690	ESTEFAN BELLAN, Abdon Miguel
(22) 21.02.2019	09.01.2020	(31) 201831284
(54) FASTENING MODULE AND FILTER SYSTEM	(22) 03.07.2019	
(73) MANN+HUMMEL GmbH	(54) TRANSMISSION FOR AGRICULTURAL AND INDUSTRIAL VEHICLES	
(72) PIETROWSKI, Herbert	(73) CARRARO S.p.A.	
EBNET, Daniel		

(32) 26.12.2018	(21) EP18214925.2	(33) Germany
(33) Spain	(47) 22.06.2022	(51) B60L 9/00
(51) B60K 20/02	(22) 20.12.2018	B61C 3/00
G05G 5/04	(54) LUMINOUS SYSTEM FOR A LIGHTING	H01R 13/447
F16H 59/10	AND/OR SIGNALLING DEVICE OF A	H01R 13/639
F16H 61/22	MOTOR VEHICLE	(11) EP3797048
F16H 61/24	(73) Valeo Vision	(21) EP19745993.6
F16H 59/02	(72) MEYRENAUD, Jean-Luc	(47) 22.06.2022
(11) EP3680746	FLEURENCE, Thierry	(87) EP2019068393
(21) EP18853646.0	(31) 1762596	06.02.2020
(47) 22.06.2022	(32) 20.12.2017	(22) 09.07.2019
(87) JP2018016640	(33) France	(54) RAIL VEHICLE WITH ASSEMBLY
14.03.2019	(51) B60L 3/10	FOR SECURING AN ELECTRICAL
(22) 24.04.2018	B60L 7/10	EXTERNAL POWER SUPPLY
(54) OPERATING DEVICE	(11) EP3265336	CONNECTOR
(73) Alps Alpine Co., Ltd.	(21) EP16717465.5	(73) Siemens Mobility GmbH
(72) TAKEDA, Yu	(47) 22.06.2022	(72) SCHWERIN, Michael
(31) 2017173469	(87) IB2016051277	ZELTNER, Marc
(32) 08.09.2017	09.09.2016	REISSING, Norbert
(33) Japan	(22) 07.03.2016	(31) 102018212674
(51) B60K 35/00	(54) ELECTRIC MOTORCYCLE WITH	(32) 30.07.2018
(11) EP3895929	WHEEL ANTI-LOCK SYSTEM	(33) Germany
(21) EP21172254.1	(73) Energica Motor Company S.P.A.	(51) B60N 2/16
(47) 22.06.2022	(72) MARTINELLI, Simone	(11) EP3815961
(22) 20.03.2019	GHERARDI, Giovanni	(21) EP20203397.3
(54) DISPLAY DEVICE FOR A MOTOR	MONTANARI, Eleonora	(47) 22.06.2022
VEHICLE AND MOTOR VEHICLE	TESTONI, Giampiero	(22) 22.10.2020
(73) Audi AG	(31) MO20150047	(54) DEVICE FOR ADJUSTING A SITTING
(72) Müller, Ulrich	(32) 05.03.2015	POSITION
Hufnagel, Anna	(33) Italy	(73) GRAMMER AG
Mertens, Joris	(51) B60L 7/10	(72) Haller, Erwin
Redeker, Immo	B60K 7/00	(31) 102019129159
Hélot, Jacques	B60T 1/10	(32) 29.10.2019
(31) 102018206656	B62D 59/04	(33) Germany
(32) 30.04.2018	B60T 8/17	(51) B60N 2/20
(33) Germany	B60T 8/24	B60N 2/30
(51) B60K 35/00	B60L 7/26	B60N 2/18
B60R 11/02	B60L 15/20	(11) EP3778295
B60R 16/02	B60L 50/50	(21) EP19191574.3
G02B 27/01	B60L 7/18	(47) 22.06.2022
G09G 5/00	B60K 1/00	(22) 13.08.2019
G09G 5/38	B60K 1/02	(54) VEHICLE SEAT ADJUSTABLE
(11) EP3760467	B60K 1/04	BETWEEN A FORWARD FACING
(21) EP19761314.4	B60L 58/10	SETUP AND A REARWARD FACING
(47) 22.06.2022	B60T 8/18	SETUP
(87) JP2019008119	B60T 8/34	(73) Ningbo Geely Automobile Research &
06.09.2019	B60T 8/48	Development Co. Ltd.
(22) 01.03.2019	B60T 13/58	(72) FORSBERG, Christian
(54) DISPLAY SYSTEM	F16D 61/00	HÖCKS, Johan
(73) Panasonic Intellectual Property	(11) EP3661799	EWEHAG, Oskar
Management Co., Ltd.	(21) EP18745534.0	(51) B60N 2/28
(72) MATSUI, Satoshi	(47) 22.06.2022	B60N 2/90
KATSUYAMA, Norikazu	(87) EP2018069456	(11) EP3697642
(31) 2018037913	07.02.2019	(21) EP18789762.4
(32) 02.03.2018	(22) 18.07.2018	(47) 22.06.2022
(33) Japan	(54) ADJUSTING DEVICE FOR AN	(87) EP2018078248
(51) B60K 35/00	ELECTRICALLY OPERATED UTILITY	25.04.2019
B60R 16/02	VEHICLE AND METHOD FOR THE	(22) 16.10.2018
B60W 40/00	OPERATION THEREOF	(54) BABY CARRIER DEVICE
G08G 1/16	(73) KNORR-BREMSE Systeme für	(73) RECARO Kids S.r.l.
G07C 5/00	Nutzfahrzeuge GmbH	(72) BAUER, Christine
G02B 27/01	(72) VANYI, Denes	WERNER, Felix
G06F 3/01	NÓGRÁDI, Zoltán	GRUPP, Thomas
B60R 16/023	CSONTOS, Peter	(31) 102017124012
G06F 3/0346	HAJOS, Melinda	(32) 16.10.2017
G06K 9/00	BUDAFOKI, Richard	(33) Germany
B60K 37/06	(31) 102017213199	(51) B60N 2/30
(11) EP3501873	(32) 31.07.2017	

B60N 3/00	B64D 11/06	(22) 16.07.2020
(11) EP3772430	(11) EP3863889	(54) WIRE HARNESS MANUFACTURING SYSTEM AND WIRE HARNESS MANUFACTURING METHOD
(21) EP20187150.6	(21) EP19832985.6	(73) YAZAKI CORPORATION
(47) 22.06.2022	(47) 22.06.2022	(72) Enomoto, Satoshi
(22) 22.07.2020	(87) GB2019053286	Nakamura, Masashi
(54) A SEAT FOR A VEHICLE	28.05.2020	Kato, Tomokazu
(73) Ford Global Technologies, LLC	(22) 20.11.2019	Shionome, Yoshio
(72) NEUGEBAUER, James	(54) VEHICLE SEATING	Kanazawa, Akiyoshi
WRIGHT, Ian, Sutherland	(73) New Territory Design Limited	(31) 2019132457
JACKSON, Daniel T.	(72) FAN, Cheuk Wah Vincent	(32) 18.07.2019
MURRAY, James, Nicholas	MILES, Luke	(33) Japan
(31) 201911396	JAMSON, Hugo Benedict	
(32) 09.08.2019	(31) 201818909	(51) B60R 16/02
(33) United Kingdom	(32) 20.11.2018	B60R 11/04
(51) B60N 2/64	(33) United Kingdom	G08B 21/06
B60N 2/68	(51) B60N 3/10	G08G 1/16
B60N 2/80	F25D 29/00	(11) EP3735365
B60N 2/70	F25B 49/02	(21) EP19744456.5
B60N 2/72	(11) EP3661807	(47) 22.06.2022
B60N 2/809	(21) EP18840899.1	(87) CN2019072809
B60N 2/58	(47) 22.06.2022	01.08.2019
B60R 21/207	(87) KR2018008698	(22) 23.01.2019
(11) EP3760477	07.02.2019	(54) PRIMARY PREVIEW REGION AND GAZE BASED DRIVER DISTRACTION DETECTION
(21) EP19847268.0	(22) 31.07.2018	(73) HUAWEI TECHNOLOGIES CO., LTD.
(47) 22.06.2022	(54) VEHICLE, REFRIGERATOR FOR VEHICLE, AND CONTROLLING METHOD FOR REFRIGERATOR FOR VEHICLE	(72) PORIKLI, Fatih
(87) CN2019071665	(73) LG Electronics Inc.	WU, Yuzhu
13.02.2020	(72) KI, Duchan	YU, Hai
(22) 14.01.2019	CHUN, Chanho	(31) 201815882581
(54) SEAT BACK STRUCTURE AND MANUFACTURING METHOD THEREOF	(31) 20170097842	(32) 29.01.2018
(73) Fuzhou Lianhong Motor Parts Co., Ltd.	(32) 01.08.2017	(33) United States of America
(72) DENG, Jixiong	(33) Korea (Republic)	
(31) 201810893344	(51) B60Q 5/00	(51) B60R 25/10
(32) 07.08.2018	(11) EP3199403	G08G 1/127
(33) China	(21) EP16153192.6	G08G 1/123
(51) B60N 2/809	(47) 22.06.2022	(11) EP3277546
B60N 2/70	(22) 28.01.2016	(21) EP16774149.5
(11) EP3317143	(54) SYSTEM AND METHOD FOR EXTERNAL SOUND SYNTHESIS OF A VEHICLE	(47) 22.06.2022
(21) EP16735632.8	(73) Harman Becker Automotive Systems GmbH	(87) US2016025101
(47) 22.06.2022	(72) Zollner, Juergen Heinrich	06.10.2016
(87) EP2016065599	(51) B60R 7/04	(22) 30.03.2016
12.01.2017	B60H 1/00	(54) POWER MANAGEMENT FOR VEHICLE-MOUNTED BASE STATION
(22) 01.07.2016	B60R 13/02	(73) Parallel Wireless Inc.
(54) HEADREST BODY AND HEADREST	B62D 25/14	(72) MISHRA, Rajesh
(73) Adient US LLC	(11) EP3835132	RUTHERFORD, Randy
(72) DILLINGER, Thomas	(21) EP19215922.6	CAO, Yang
(31) 102015212510	(47) 22.06.2022	SULLIVAN, Robert
(32) 03.07.2015	(22) 13.12.2019	JOHNSTON, David
(33) Germany	(54) INTERIOR TRIM PART OF A VEHICLE COMPRISING A SELF-SUPPORTING CARRIER STRUCTURE, PROCESS FOR MANUFACTURING AN INTERIOR TRIM PART AND A VEHICLE EQUIPPED WITH SUCH A TRIM PART	SAJI, Michael
(51) B60N 2/90	(73) Motherson Innovations Company Limited	PAQUETTE, Louis
B60N 2/70	(72) Wehrle, Fabian	(31) 201562140401 P
(11) EP3623212	Dormanns, Jan	(32) 30.03.2015
(21) EP18808862.9	Rinderlin, Jürgen	(33) United States of America
(47) 22.06.2022	Heinz, Christoph	
(87) JP2018019158	(51) B60R 16/02	(51) B60S 1/00
06.12.2018	(11) EP3766741	(11) EP3825190
(22) 17.05.2018	(21) EP19215922.6	(21) EP20208642.7
(54) VIBRATION-GENERATING DEVICE AND VIBRATION-GENERATING METHOD	(47) 22.06.2022	(47) 22.06.2022
(73) Clarion Co., Ltd.	(22) 13.12.2019	(22) 19.11.2020
(72) FUKUE, Kazutomo	(54) INTERIOR TRIM PART OF A VEHICLE COMPRISING A SELF-SUPPORTING CARRIER STRUCTURE, PROCESS FOR MANUFACTURING AN INTERIOR TRIM PART AND A VEHICLE EQUIPPED WITH SUCH A TRIM PART	(54) COVER FOR MOTOR VEHICLE AND COVER ASSEMBLY
HASHIMOTO, Takeshi	(73) Motherson Innovations Company Limited	(73) REHAU Automotive SE & Co. KG
FUJITA, Yasuhiro	(72) Wehrle, Fabian	(72) Göschel, Rick
(31) 2017106481	Dormanns, Jan	(31) 202019106439 U
(32) 30.05.2017	Rinderlin, Jürgen	(32) 19.11.2019
(33) Japan	Heinz, Christoph	(33) Germany
(51) B60N 2/90	(51) B60R 16/02	(51) B60S 1/50
	(11) EP3766741	
	(21) EP20186218.2	
	(47) 22.06.2022	

B65D 75/58	(33) Germany	(51) B60W 20/15
(11) EP3526085	(51) B60T 13/68	B60W 30/188
(21) EP17781129.6	(11) EP3787943	B60W 10/06
(47) 22.06.2022	(21) EP18725125.1	B60W 10/08
(87) EP2017075831	(47) 22.06.2022	F02D 41/00
19.04.2018	(87) EP2018061374	F02D 19/02
(22) 10.10.2017	07.11.2019	F02D 19/08
(54) MOTOR VEHICLE WINDSCREEN	(22) 03.05.2018	(11) EP3556627
CLEANING LIQUID CONTAINER,	(54) REDUNDANT BRAKING UNIT FOR	(21) EP19167899.4
SUPPORT FOR SUCH A CONTAINER	A BRAKING SYSTEM AND SYSTEM	(47) 22.06.2022
AND ASSEMBLY COMPRISING SUCH	USING SAME	(22) 08.04.2019
A CONTAINER AND SUPPORT	(73) VOLVO TRUCK CORPORATION	(54) METHOD FOR ADAPTING A
(73) Valeo Systèmes d'Essuyage	(72) HENDERSON, Leon	COMBUSTION ENGINE OF A HYBRID
(72) THEBAULT, Denis	LAINÉ, Leo	DRIVE SYSTEM OF A MOTOR
BARRET, Guillaume	OSCARSSON, Christian	VEHICLE TO A GASEOUS FUEL WITH
(31) 1659779	(51) B60T 17/02	UNKNOWN QUALITY, HYBRID DRIVE
(32) 11.10.2016	B62D 5/07	SYSTEM AND VEHICLE
(33) France	(11) EP3833586	(73) VOLKSWAGEN
(51) B60T 8/17	(21) EP19737787.2	AKTIENGESELLSCHAFT
(11) EP3524481	(47) 22.06.2022	(72) Koppenhagen, Kay
(21) EP17794771.0	(87) EP2019069100	Weiß, Alexander
(47) 22.06.2022	13.02.2020	Engler, Frank
(87) IB2017054859	(22) 16.07.2019	(31) 102018109117
12.04.2018	(54) HYDRAULIC ARRANGEMENT FOR	(32) 17.04.2018
(22) 09.08.2017	HYBRID PRIORITY VALVE	(33) Germany
(54) CONTROLLER OF MOTORCYCLE	(73) CNH Industrial Italia S.p.A.	(51) B60W 50/00
BRAKE SYSTEM, MOTORCYCLE	(72) BENEVELLI, Alessandro	(11) EP3468852
BRAKE SYSTEM, AND CONTROL	PINTORE, Francesco	(21) EP17771731.1
METHOD OF MOTORCYCLE BRAKE	(31) 201800007889	(47) 22.06.2022
SYSTEM	(32) 06.08.2018	(87) EP2017073529
(73) Robert Bosch GmbH	(33) Italy	05.04.2018
(72) IWATSUKI, Junya	(51) B60T 17/04	(22) 19.09.2017
(31) 2016196931	B60D 1/64	(54) METHOD FOR OPERATING A MOTOR
(32) 05.10.2016	(11) EP3436322	VEHICLE WITH THE HELP OF
(33) Japan	(21) EP17713935.9	PHYSIOLOGICAL VITAL DATA, MOTOR
(51) B60T 8/18	(47) 22.06.2022	VEHICLE AND MOBILE TERMINAL
B60T 13/68	(87) EP2017057226	DEVICE
(11) EP3636502	05.10.2017	(73) Audi AG
(21) EP17935458.4	(22) 27.03.2017	(72) SCHÖN, Torsten
(47) 22.06.2022	(54) COUPLING HEAD	(31) 102016218877
(87) CN2017119177	(73) KNORR-BREMSE Systeme für	(32) 29.09.2016
27.06.2019	Nutzfahrzeuge GmbH	(33) Germany
(22) 28.12.2017	(72) KHAIRNAR, Pankaj	(51) B60W 50/00
(54) TRAIN BRAKE CYLINDER PRESSURE	SHAHAPURE, Mahesh	(11) EP3353031
CONTROL SYSTEM AND RAIL TRAIN	SONAR, Sachin	(21) EP16785200.3
(73) CRRG Changchun Railway Vehicles Co.,	(31) 102016003656	(47) 22.06.2022
Ltd.	(32) 30.03.2016	(87) FR2016052395
(72) MA, Yongjing	(33) Germany	30.03.2017
ZHAO, Yangkun	(51) B60W 20/12	(22) 22.09.2016
QIAO, Feng	B60W 20/11	(54) DRIVING ASSISTANCE DEVICE FOR
XIN, Zhiqiang	B60W 10/06	ESTIMATING THE DANGER OF A
(31) 201711386196	B60W 10/26	SITUATION
(32) 20.12.2017	B60W 50/14	(73) Renault s.a.s
(33) China	(11) EP2933157	(72) MINOIU-ENACHE, Nicoleta
(51) B60T 13/22	(21) EP15162123.2	CHIRCA, Mihai
F16D 59/02	(47) 22.06.2022	(31) 1559022
(11) EP3034369	(22) 31.03.2015	(32) 24.09.2015
(21) EP15197940.8	(54) Hybrid vehicle and method of controlling	(33) France
(47) 22.06.2022	a hybrid vehicle	(51) B60W 50/08
(22) 04.12.2015	(73) Palo Alto Research Center Incorporated	B60W 50/10
(54) MOBILE WORKING MACHINE WITH A	(72) Saha, Bhaskar	B60W 60/00
BRAKING DEVICE	Schwartz, David E.	(11) EP3822140
(73) Linde Material Handling GmbH	Barber, Simon	(21) EP19209645.1
(72) Hanke, Mark	Garner, Sean	(47) 22.06.2022
Meth, Henning	(31) 201414255091	(22) 18.11.2019
Knechtel, Hans-Ulrich	(32) 17.04.2014	(54) OPERATIONAL DESIGN DOMAIN
(31) 102014118644	(33) United States of America	VALIDATION COVERAGE FOR ROAD
(32) 15.12.2014		AND LANE TYPE

(73) Zenuity AB	(21) EP21157061.9	(47) 22.06.2022
(72) WESTLUND, Mathias JONSSON, Jonathan	(47) 22.06.2022	(87) US2016042421 19.01.2017
(51) B61B 13/04	(22) 15.02.2021	(22) 15.07.2016
(11) EP3707048	(54) PAD FOR LEVELLING THE FLOOR OF A VEHICLE, IN PARTICULAR A RAILWAY VEHICLE, VEHICLE FLOOR AND VEHICLE BODY COMPRISING SUCH A PAD	(54) FOLDABLE WAGON
(21) EP17797608.1	(73) SpeedInnov	(73) Radio Flyer, Inc.
(47) 22.06.2022	(72) COURCIMEAUX, Eric	(72) FITZWATER, Jason ECKERT, Cameron BOYLE, Michael, S.
(87) EP2017078462 16.05.2019	(72) COURCIMEAUX, Eric	(31) 201615210413 201562234368 P 201562193181 P
(22) 07.11.2017	(31) 2001530	(32) 14.07.2016
(54) MONORAIL	(32) 17.02.2020	29.09.2015
(73) Derap Monorail Systems AG	(33) France	16.07.2015
(72) KELLER, Peter	(51) B61F 5/24	(33) United States of America United States of America United States of America
(51) B61C 15/10	(11) EP3898377	(51) B62D 1/22
(11) EP3691951	(21) EP19839315.9	(11) EP3508397
(21) EP18785534.1	(47) 22.06.2022	(21) EP18209784.0
(47) 22.06.2022	(87) DE2019000308 25.06.2020	(47) 22.06.2022
(87) EP2018076572 11.04.2019	(22) 02.12.2019	(22) 03.12.2018
(22) 01.10.2018	(54) VALVE ASSEMBLY AND METHOD FOR CONTROLLING THE AIR SUSPENSION LEVEL OF A RAIL VEHICLE	(54) DEVICE FOR STEERING A MOTOR VEHICLE AND INTERMEDIATE TRANSMISSION FOR SAME
(54) FLOW DEVICE AND METHOD FOR CONTROLLING AND/OR ADJUSTING A PRESSURE IN A PNEUMATIC SAND- CONVEYING DEVICE FOR A RAIL VEHICLE, AND SAND-CONVEYING DEVICE HAVING A FLOW DEVICE	(73) Aventics GmbH	(73) MAN Truck & Bus SE
(73) KNORR-BREMSE Systeme für Schienenfahrzeuge GmbH	(72) MEYER, Heinz-Hermann PAETH, Thomas BUSCH, Christian	(72) Reihser, Heinz Wieser, Tobias Griessler, Matthias Höllwarth, Christian Keppel, Manfred
(72) SCHMID, Martin	(31) 102018009962	(31) 5042017
(31) 102017122860	(32) 20.12.2018	(32) 29.12.2017
(32) 02.10.2017	(33) Germany	(33) Austria
(33) Germany	(51) B61G 5/08	(51) B62D 6/00 B62D 113/00
(51) B61D 15/00	(11) EP3743320	(11) EP3254932
E21F 1/00	(21) EP18803615.6	(21) EP16746604.4
(11) EP3573871	(47) 22.06.2022	(47) 22.06.2022
(21) EP17817768.9	(87) EP2018080905 01.08.2019	(87) JP2016053005 11.08.2016
(47) 22.06.2022	(22) 12.11.2018	(22) 02.02.2016
(87) EP2017084324 02.08.2018	(54) COUPLING DEVICE FOR A COMPRESSED-AIR COUPLING OR PRESSURE-MEDIUM COUPLING IN A RAIL VEHICLE	(54) STEERING HOLDING DETERMINATION DEVICE FOR VEHICLES AND ELECTRIC POWER STEERING DEVICE PROVIDED WITH SAME
(22) 22.12.2017	(73) Voith Patent GmbH	(73) NSK Ltd.
(54) WORKING AND RECOVERY VEHICLE THAT CAN BE DRIVEN ON A TRACK	(72) SHI, Minzhe	(72) SAWADA, Hideki SUGAWARA, Takayoshi MINAKI, Ryo
(73) Plasser & Theurer Export von Bahnbaumaschinen GmbH	(31) 102018101626	(31) 2015028324 2015028002 2015018527
(72) KAISER, Christoph WEITERSBERGER, Christian	(32) 25.01.2018	(32) 17.02.2015 16.02.2015 02.02.2015
(31) 2317 U	(33) Germany	(33) Japan Japan Japan
(32) 27.01.2017	(51) B61H 9/00	(51) B62D 15/02 G01D 5/14 G01D 5/244 H01F 7/00
(33) Austria	B60T 17/22	(11) EP3708465
(51) B61D 17/10	B61C 17/12	(21) EP19163099.5
B62D 27/04	B61H 13/20	(47) 22.06.2022
(11) EP3508393	B60T 13/66	(22) 15.03.2019
(21) EP18214795.9	(11) EP3795447	
(47) 22.06.2022	(21) EP20196150.5	
(22) 20.12.2018	(47) 22.06.2022	
(54) CONNECTING DEVICE FOR CONNECTING A BASE ELEMENT TO A SUPPORT, SYSTEM, A METHOD OF ASSEMBLY AND USE	(22) 15.09.2020	
(73) Bombardier Transportation GmbH	(54) EMERGENCY INTERFACE SYSTEM BETWEEN TWO SEPARATE RAILWAY VEHICLES, ASSOCIATED RAILWAY VEHICLE AND METHOD	
(72) Dydo, Karol	(73) SpeedInnov	
(31) 102018100069	(72) BRISOU, Florent	
(32) 03.01.2018	(31) 1910234	
(33) Germany	(32) 17.09.2019	
(51) B61D 17/10	(33) France	
B62D 31/02	(51) B62B 3/02	
(11) EP3865367	B62B 3/00	
	(11) EP3322629	
	(21) EP16825232.8	

(54) VEHICLE WITH STEERING ANGLE SENSOR	B62J 15/00	(54) SURFBOARD WITH REPLACEABLE BATTERY AND HIGH-PRESSURE MECHANISM
(73) BOURNS, INC.	B62M 7/02	(73) WBV Weisenburger Bau+Verwaltung GmbH
(72) Schmoltz, Hans	B62K 11/04	(72) WEISENBURGER, Nicolai
Jahrstorfer, Johann	F02M 25/08	ZEIGER, Claudia
	B60K 15/035	SCHNEIDER, Jochen
(51) B62D 21/15	(11) EP3505431	(31) 102018100696
B62D 43/10	(21) EP18213911.3	202017107818 U
B62D 29/04	(47) 22.06.2022	(32) 12.01.2018
B62D 25/20	(22) 19.12.2018	21.12.2017
B60K 15/063	(54) SADDLE-RIDING-TYPE VEHICLE CANISTER ARRANGEMENT STRUCTURE	(33) Germany
(11) EP3853109	(73) Honda Motor Co., Ltd.	Germany
(21) EP19769452.4	(72) WAKASA, Hidetoshi	(51) B63B 32/51
(47) 22.06.2022	ABE, Kohei	(11) EP3490881
(87) EP2019074546	MISHIRO, Jumpei	(21) EP17761313.0
26.03.2020	NISHINO, Hitoshi	(47) 22.06.2022
(22) 13.09.2019	YAMAMOTO, Kanta	(87) IB2017000834
(54) MOTOR VEHICLE COMPRISING FASTENING MEANS UNDER THE REAR FLOOR FOR LIMITING DEPRESSION IN THE EVENT OF AN IMPACT	(31) 2017254349	01.02.2018
(73) Renault s.a.s	(32) 28.12.2017	(2) 17.07.2017
(72) MIOT, David	(33) Japan	(54) PIECE OF INFLATABLE SPORTS EQUIPMENT, PREFERABLY FOR WATER SPORTS
VINIAL, Christophe	(51) B62M 7/02	(73) Sipaboards D.O.O.
(31) 1871074	B62M 7/06	Sitar, Sebastjan
(32) 21.09.2018	F01N 13/08	(72) SITAR, Sebastjan
(33) France	F01N 3/24	(31) 10212016
(51) B62D 25/20	B62K 11/00	(32) 28.07.2016
B62D 21/15	(11) EP3604106	(33) Switzerland
(11) EP3792155	(21) EP18775807.3	(51) B63H 23/24
(21) EP20193808.1	(47) 22.06.2022	(11) EP3416885
(47) 22.06.2022	(87) JP2018004748	(21) EP17753554.9
(22) 01.09.2020	04.10.2018	(47) 22.06.2022
(54) VEHICLE-BODY STRUCTURE, AND VEHICLE	(22) 09.02.2018	(87) NO2017050041
(73) MAZDA MOTOR CORPORATION	(54) SADDLE-TYPE VEHICLE	24.08.2017
(72) KAGEYAMA, Kazuhiro	(73) Honda Motor Co., Ltd.	(22) 17.02.2017
NATSUME, Hirotaka	(72) SHIMIZU, Takahiko	(54) SYSTEM FOR ENERGY REGENERATION AND DISTRIBUTION
EBISUMOTO, Keisuke	KUBO, Toshihiro	(73) National Oilwell Varco Norway AS
(31) 2019165100	MAKI, Satoru	(72) JOHANSEN TRYDAL, Stig Vidar
(32) 11.09.2019	KURASAWA, Yuji	ØYE, Oddbjørn
(33) Japan	SAKURADA, Keita	BERGSTØL, Geir Odd
(51) B62D 33/04	IIMURA, Shuji	BORØY, Yngvar
B60P 7/15	(31) 2017067967	(31) 16156321
(11) EP3590796	2017065112	(32) 18.02.2016
(21) EP18182212.3	(32) 30.03.2017	(33) European Patent Office (EPO)
(47) 22.06.2022	29.03.2017	(51) B64C 3/00
(22) 06.07.2018	(33) Japan	B64C 5/02
(54) BOX BODY OF A COMMERCIAL VEHICLE WITH LOAD SECURING RAIL	Japan	B64D 31/00
(73) Schmitz Cargobull AG	(51) B63B 21/50	B64C 3/42
(72) Beelmann, Reinhard	B63B 1/10	B64C 29/00
(51) B62J 1/08	F03D 13/25	B64D 27/24
(11) EP3684678	B63B 35/44	B64C 3/38
(21) EP18755770.7	(11) EP3388664	B64C 23/06
(47) 22.06.2022	(21) EP17166078.0	B64C 39/04
(87) EP2018071716	(47) 22.06.2022	(11) EP3286077
28.03.2019	(22) 11.04.2017	(21) EP16818379.6
(22) 10.08.2018	(54) BUOYANT STRUCTURE CARRYING WIND TURBINES	(47) 22.06.2022
(54) SADDLE MOUNTING STRUCTURE	(73) XEMC Darwind BV	(87) US2016028561
(73) Hypervital AG	(72) DE BOER, Gerlof Johannes	05.01.2017
(72) SCHYMURA, Martin	PLANTEMA, Marco Rowdy	(22) 21.04.2016
BAYER, Thomas	(51) B63B 32/10	(54) SOLAR-POWERED AIRCRAFT
(31) 102017121776	(11) EP3529143	(73) Aurora Flight Sciences Corporation
(32) 20.09.2017	(21) EP18829838.4	(72) PARKS, Robert W.
(33) Germany	(47) 22.06.2022	GIANNINI, Francesco
(51) B62J 37/00	(87) EP2018086133	(31) 201562150520 P
	27.06.2019	(32) 21.04.2015
	(22) 20.12.2018	

(33) United States of America	(33) India	(72) Beyeler, Patrick G.
(51) B64C 7/02	(51) B64C 27/33	(31) 4042020
B64D 45/00	(11) EP3712064	11152019
F02C 7/05	(21) EP20163440.9	(32) 03.04.2020
B64D 33/02	(47) 22.06.2022	04.09.2019
B64D 29/00	(22) 16.03.2020	(33) Switzerland
B64D 33/00	(54) FLEX BEAM COMPRISING	Switzerland
(11) EP3772458	STRUCTURALLY TUNABLE CORES	(51) B64D 11/00
(21) EP20188811.2	(73) The Boeing Company	(11) EP3722209
(47) 22.06.2022	(72) HOLEMANS, Peter	(21) EP19168744.1
(22) 31.07.2020	DELUCA, Michael J.	(47) 22.06.2022
(54) FORWARD SECTION OF NACELLE	LUDIN, Douglas R.	(22) 11.04.2019
OF AN AIRCRAFT PROPULSION	(31) 201916356724	(54) PASSENGER ENTERTAINMENT
ASSEMBLY COMPRISING A SHIELD IN	(32) 18.03.2019	DEVICE, PASSENGER SEAT
FRONT OF ITS STIFFENING FRAME	(33) United States of America	ARRANGEMENT AND VEHICLE
(73) AIRBUS OPERATIONS (S.A.S.)	(51) B64C 27/82	(73) Airbus Operations GmbH
(72) PORTE, Alain	B64C 1/06	(72) Stouten, Taco
BRETON, Clément	B64C 3/26	Morales Anton, Alejandro
SENTIER, Julien	B64C 1/12	(51) B64D 11/00
(31) 1909033	B64C 1/26	(11) EP3578462
(32) 07.08.2019	F16B 5/00	(21) EP18202877.9
(33) France	B32B 3/06	(47) 22.06.2022
(51) B64C 25/36	(11) EP3521162	(22) 26.10.2018
B64C 25/42	(21) EP18400004.0	(54) ARTIFICIALLY INTELLIGENT FLIGHT
(11) EP3770065	(47) 22.06.2022	CREW SYSTEMS AND METHODS
(21) EP20187005.2	(22) 02.02.2018	(73) The Boeing Company
(47) 22.06.2022	(54) A HELICOPTER WITH A FUSELAGE	(72) IBRAHIM, Yakentim M
(22) 21.07.2020	AND A TAIL BOOM WHICH ARE	BITTNER, Daniel K
(54) WHEEL AND BRAKE ASSEMBLY FOR	CONNECTED VIA A SHEAR	(31) 201816001639
AN AIRCRAFT	CONNECTION	(32) 06.06.2018
(73) Safran Landing Systems	(73) AIRBUS HELICOPTERS	(33) United States of America
(72) CHICO, Philippe	DEUTSCHLAND GmbH	(51) B64D 11/06
(31) 1908422	(72) Joachim, Thomas	(11) EP3650346
(32) 24.07.2019	Pfaller, Rupert	(21) EP19205809.7
(33) France	Rack, Andreas	(47) 22.06.2022
(51) B64C 27/00	(51) B64C 29/00	(22) 29.10.2019
(11) EP3194264	B64C 39/06	(54) HEIGHT ADJUSTABLE TRAY TABLE
(21) EP15830342.0	B64C 27/02	(73) B/E Aerospace, Inc.
(47) 22.06.2022	B64C 27/26	(72) PENCE, Tracy N.
(87) US2015043793	B64C 7/00	(31) 201816178710
11.02.2016	B64C 39/12	(32) 02.11.2018
(22) 05.08.2015	B64C 11/30	(33) United States of America
(54) ANTI-VIBRATION LOAD GENERATING	B64C 9/00	(51) B64D 11/06
AIRCRAFT ACTUATION SYSTEM	B64C 11/28	(11) EP3480111
(73) Sikorsky Aircraft Corporation	(11) EP3771638	(21) EP18203970.1
(72) BASKIN, Bryan Kenneth	(21) EP20187367.6	(47) 22.06.2022
BUTLER, Chris Paul	(47) 22.06.2022	(22) 01.11.2018
WELSH, William A.	(22) 23.07.2020	(54) SLOUCHING DIVAN WITH DAMPED
(31) 201462034586 P	(54) LIFT ROTOR SYSTEM	MOTION
(32) 07.08.2014	(73) Rolls-Royce plc	(73) Rockwell Collins, Inc.
(33) United States of America	(72) Pachidis, Vasileios	(72) KOUSTUBHAN, Arjun
(51) B64C 27/00	Saias, Chana	OLESON, Michael L.
B64C 17/00	(31) 20190100324	(31) 201815950079
G05D 1/08	201913668	201762580925 P
B64C 39/02	(32) 30.07.2019	(32) 10.04.2018
(11) EP3386853	23.09.2019	02.11.2017
(21) EP16872517.4	(33) Greece	(33) United States of America
(47) 22.06.2022	United Kingdom	United States of America
(87) IB2016057399	(51) B64D 10/00	(51) B64D 11/06
15.06.2017	(11) EP3863926	B60N 2/885
(22) 07.12.2016	(21) EP20761817.4	(11) EP3702283
(54) MULTI-ROTOR AERIAL VEHICLE WITH	(47) 22.06.2022	(21) EP20159114.6
SINGLE ARM FAILURE REDUNDANCY	(87) EP2020073772	(47) 22.06.2022
(73) Ideaforge Technology Pvt. Ltd.	11.03.2021	(22) 24.02.2020
(72) BHAT, Ashish	(22) 25.08.2020	(54) HEAD STABILIZING HEADREST
(31) 4642MU2015	(54) ACCELERATION PROTECTION	(73) The Boeing Company
(32) 09.12.2015	TROUSERS	(72) CANTON, Ryan C.
	(73) Beyeler, Patrick G.	

ETCHETO, Daniel D. (31) 201916289736 (32) 01.03.2019 (33) United States of America	(54) CONTAINER FOR SPHERICAL PRODUCTS, PARTICULARLY FRUIT (73) Packco, Brand and Packaging, S.L. (72) MICHAEL, Stephan NAVARRO MECHÓ, José Francisco	LAKEY, Nathan D. FAVELLO, Anthony D. HENDRICKX, Jacob Paul (31) 201562237492 P 201562171870 P
(51) B64D 41/00 (11) EP3260375 (21) EP16461530.4 (47) 22.06.2022 (22) 24.06.2016 (54) ACTUATOR RELEASE MECHANISM (73) Hamilton Sundstrand Corporation (72) KIELCZYKOWSKI, Przemyslaw BOBAK, Jakub	(31) 201931983 U (32) 04.12.2019 (33) Spain (51) B65D 5/52 A47F 5/11 B65D 71/62 (11) EP3743342 (21) EP19701505.0 (47) 22.06.2022 (87) EP2019051524 25.07.2019 (22) 22.01.2019 (54) PACKAGING UNIT (73) Melitta Single Portions GmbH & Co. KG (72) PAHNKE, Jan FELDMANN, Holger FERNANDES DE CARVALHO, Kerstin SCHANDL, Gerold	(31) 201562237492 P 201562171870 P (32) 05.10.2015 05.06.2015 (33) United States of America United States of America (51) B65D 41/34 B65D 1/02 (11) EP3515834 (21) EP16794405.7 (47) 22.06.2022 (87) IB2016001550 29.03.2018 (22) 23.09.2016 (54) SYSTEM INCLUDING A CAP AND A CONTAINER AND METHOD FOR MANUFACTURING (73) Société Anonyme des Eaux Minérales d'Evian et en Abrégé "S.A.E.M.E" (72) NUSBAUM, Philippe ROUSSY, Michel GALLAY, Renaud SAVAJANO, Romain
(51) B65B 1/22 (11) EP3700820 (21) EP18812369.9 (47) 22.06.2022 (87) NL2018050704 02.05.2019 (22) 23.10.2018 (54) COMPACTOR DEVICE AND CONVEYER SYSTEM COMPRISING SUCH COMPACTOR DEVICE, AND CORRESPONDING COMPACTING AND PACKING METHODS (73) BluePrint Holding B.V. (72) PETERS, Vincentius Alphonsus Jozef PRAKKEN, Nicolaas Martin	(31) 102018101336 (32) 22.01.2018 (33) Germany (51) B65D 25/04 B65D 6/18 B29C 53/04 B29C 53/84 (11) EP3807156 (21) EP19749218.4 (47) 22.06.2022 (87) EP2019069200 23.01.2020 (22) 17.07.2019 (54) TRANSPORT DEVICE (73) Feurer Febra GmbH (72) FORTENBACHER, Klaus GOLLER, Achim FEURER, Markus	(51) B65D 47/18 A61F 9/00 B65D 47/32 (11) EP3790812 (21) EP19721306.9 (47) 22.06.2022 (87) EP2019061679 14.11.2019 (22) 07.05.2019 (54) DEVICE FOR PACKAGING AND DISPENSING A PRODUCT, WITH VIAL AND DISPENSING MOUTHPIECE EQUIPPED WITH A FILTER (73) Santen SA Horus Pharma (72) POZZI, Jacques (31) 1800464 (32) 07.05.2018 (33) France
(51) B65B 13/18 B65B 13/28 E04G 21/12 B65B 13/32 (11) EP3326921 (21) EP16827826.5 (47) 22.06.2022 (87) JP2016071409 26.01.2017 (22) 21.07.2016 (54) BINDING MACHINE (73) Max Co., Ltd. (72) TAKEUCHI Kazuhisa ITAGAKI Osamu CHIGIRA Takuya MORIJIJI Takeshi SERA Tatsunori TAKEUCHI Sadayoshi	(102018117396 (32) 30.07.2018 25.07.2018 18.07.2018 (33) Germany Germany Germany (51) B65D 25/20 B65D 73/02 B65D 51/16 G01N 1/04 G01N 1/28 B65D 81/26 B65D 25/00 B01L 3/00 G01N 35/10 (11) EP3304028 (21) EP16804650.6 (47) 22.06.2022 (87) US2016036049 08.12.2016 (22) 06.06.2016 (54) SAMPLE COLLECTION DEVICE (73) Orion Genomics, LLC (72) BOTZET, Michael Sylvester	(51) B65D 47/18 A61F 9/00 B65D 47/40 (11) EP3790813 (21) EP19721307.7 (47) 22.06.2022 (87) EP2019061680 14.11.2019 (22) 07.05.2019 (54) DEVICE FOR PACKAGING AND DISPENSING A PRODUCT, HAVING A DOSING MOUTHPIECE WITH AN EXTERNALLY CLEAN END (73) Horus Pharma Santen SA (72) POZZI, Jacques (31) 1800463 (32) 07.05.2018 (33) France (51) B65D 55/16 B65D 41/48 (11) EP3765376 (21) EP19720580.0
(31) 2016136066 2015145286 2015145282 (32) 08.07.2016 22.07.2015 22.07.2015 (33) Japan Japan Japan (51) B65D 3/20 B65D 3/26 B65D 85/34 B65D 3/04 B65D 65/06 (11) EP3831732 (21) EP20211121.7 (47) 22.06.2022 (22) 01.12.2020		

(47) 22.06.2022	USE AND MANUFACTURE OF SAID	(21) EP09831183.0
(87) EP2019060923	PACKAGING	(47) 22.06.2022
05.11.2020	(73) ABELLES SANTE	(87) US2009066756
(22) 29.04.2019	(72) RAUD, Olivier	10.06.2010
(54) CLOSURE FOR A CONTAINER AND	FLURIN, Catherine	(22) 04.12.2009
CONTAINER WITH SUCH A CLOSURE	(31) 1856903	(54) PHARMACEUTICAL DISPENSING
(73) Aptar Freyung GmbH	(32) 25.07.2018	SYSTEM AND ASSOCIATED METHOD
(72) FREY, Daniel	(33) France	(73) Remedi Technology Holdings, LLC
KÖNIGSEDER, Bruno	(51) B65D 83/22	(72) CLARK, Justin J.
(51) B65D 71/36	B65D 83/20	HAYES, Thomas P.
(11) EP2958814	(11) EP3766801	FISHER, Christopher J.
(21) EP14754570.1	(21) EP20184696.1	SCHNEIDER, Steven, E.
(47) 22.06.2022	(47) 22.06.2022	STIELAU, Mark
(87) US2014017628	(22) 08.07.2020	GERDEMAN, Roger J.
28.08.2014	(54) DISPENSING DEVICE	HAWKES, Kimberly
(22) 21.02.2014	(73) Coster Technologie Speciali S.p.A.	SNODGRASS, Richard William
(54) CARTON WITH HANDLE	(72) Stenghel, Valentino	HOENIG, Steven D.
(73) Graphic Packaging International, LLC	Righi, Leonardo	(31) 120209 P
(72) REQUENA, Emili	(31) 201900012276	559630
(31) 201361850756 P	(32) 18.07.2019	559601
(32) 22.02.2013	(33) Italy	617075
(33) United States of America	(51) B65D 88/78	(32) 05.12.2008
(51) B65D 71/52	B65D 90/48	15.09.2009
B65D 71/50	F17D 1/14	15.09.2009
B65D 21/02	F17D 3/01	12.11.2009
(11) EP3369675	(11) EP3640158	(33) United States of America
(21) EP17179284.9	(21) EP18817763.8	United States of America
(47) 22.06.2022	(47) 22.06.2022	United States of America
(22) 03.07.2017	(87) CN2018087628	United States of America
(54) CONTAINER CARRIER WITH FLEXIBLE	20.12.2018	(51) B65G 15/34
FLANGE	(22) 21.05.2018	B65G 15/42
(73) Oregon Precision Industries Inc. d.b.a.	(54) HIGH-PERFORMANCE FLEXIBLE	(11) EP3733563
Paktech	SUBMARINE OIL STORAGE SYSTEM	(21) EP18895844.1
(72) MELLOR, Ronald Lee Jr.	(73) PETROLIAM NASIONAL BERHAD	(47) 22.06.2022
BORG, Zakary James	(20076-K)	(87) JP2018047524
(31) 201715449831	(72) XU, Liangbiao	04.07.2019
(32) 03.03.2017	(31) 201720678807 U	(22) 25.12.2018
(33) United States of America	(32) 12.06.2017	(54) CONVEYOR BELT
(51) B65D 77/04	(33) China	(73) Nitta Corporation
B65D 81/38	(51) B65F 1/10	(72) JOUO Masafumi
F25D 3/08	B65F 1/14	SAITO Kensuke
F25D 31/00	D06F 95/00	SATO Yuki
B65D 81/18	(11) EP3565769	MORIMOTO Koki
(11) EP3781495	(21) EP17811193.6	(31) 2017252044
(21) EP19722002.3	(47) 22.06.2022	(32) 27.12.2017
(47) 22.06.2022	(87) DE2017200115	(33) Japan
(87) EP2019059843	12.07.2018	(51) B65G 43/08
24.10.2019	(22) 27.10.2017	B65G 67/20
(22) 16.04.2019	(54) ACCOMMODATING CONTAINER AND	B65G 21/10
(54) MIXED BEVERAGE SET FOR	METHOD FOR OPERATING THE SAME	B65G 47/68
PRODUCING A MIXED BEVERAGE	(73) Witting, Ewald	B65G 47/244
(73) Rondo Ganahl Aktiengesellschaft	(72) Witting, Ewald	B65G 67/24
(72) KECKEIS, Harald	(31) 102017200038	(11) EP3653546
(31) 1062018	(32) 03.01.2017	(21) EP19208370.7
(32) 16.04.2018	(33) Germany	(47) 22.06.2022
(33) Austria	(51) B65G 1/137	(22) 11.11.2019
(51) B65D 81/30	(11) EP3459880	(54) ROBOTIC MATERIAL HANDLING
B65D 5/56	(21) EP17192063.0	SYSTEM
B65D 65/20	(47) 22.06.2022	(73) Intelligated Headquarters LLC
(11) EP3826939	(22) 20.09.2017	(72) WICKS, Matthew R.
(21) EP19742612.5	(54) PICKING SYSTEM BASED ON A	CLUCAS, Dominic George
(47) 22.06.2022	ROBOT WITH ARTICULATED ARM	(31) 201816193127
(87) EP2019070141	(73) Swisslog Evomatic GMBH	(32) 16.11.2018
30.01.2020	(72) GARSTENAUER, Michael	(33) United States of America
(22) 25.07.2019	(51) B65G 1/137	(51) B65G 47/14
(54) PACKAGING FOR PROTECTING A	G07F 17/00	B65G 47/256
CONSUMER GOOD FROM ARTIFICIAL	(11) EP2373557	(11) EP3114055
ELECTROMAGNETIC RADIATION,		(21) EP15714559.0

(47) 22.06.2022	(47) 22.06.2022	(73) DEKRA e.V.
(87) FR2015050518	(22) 28.05.2019	(72) GEHRKE, Matthias
11.09.2015	(54) EXPANDER ROLLER FOR FOLD-FREE	(31) 102014101381
(22) 03.03.2015	EXPANSION OF FOILS E.G.	(32) 05.02.2014
(54) METHOD AND INSTALLATION FOR	(73) Koti Onroerend Goed b.v.	(33) Germany
ORIENTED FEED OF BLANKS	(72) HUYBRECKX, Michel Jozef René	(51) B66B 5/00
(73) La Monnaie de Paris	Lambert	(11) EP3595997
(72) CUREAU Yann	(51) B65H 67/06	(21) EP18710470.8
SAIGNES Frédéric	(11) EP3636569	(47) 22.06.2022
PAGNAC Michel	(21) EP19201649.1	(87) EP2018056130
GUILLEMENET Jérôme	(47) 22.06.2022	20.09.2018
(31) 1451701	(22) 07.10.2019	(22) 13.03.2018
(32) 03.03.2014	(54) BOBBIN PROCESSING DEVICE	(54) METHOD AND DEVICE FOR
(33) France	AND METHOD AND YARN WINDING	MONITORING THE OPERATING
(51) B65G 47/66	SYSTEM	PARAMETERS IN A PERSONAL
B65G 47/84	(73) Murata Machinery, Ltd.	TRANSPORT INSTALLATION
B67C 7/00	(72) SHIMIZU, Ryo	(73) Inventio AG
B65G 21/10	(31) 2018192293	(72) KUSSEROW, Martin
(11) EP3736232	(32) 11.10.2018	TSCHUPPERT, Reto
(21) EP20173953.9	(33) Japan	(31) 17161196
(47) 22.06.2022	(51) B66B 1/32	(32) 15.03.2017
(22) 11.05.2020	(11) EP2918536	(33) European Patent Office (EPO)
(54) DEVICE FOR FEEDING CONTAINERS	(21) EP14159107.3	(51) B66B 9/00
TO A CONTAINER PROCESSING	(47) 22.06.2022	(11) EP3668810
DEVICE AND FILLING SYSTEM	(22) 12.03.2014	(21) EP18743833.8
(73) KRONES AG	(54) CONDITION MONITORING OF	(47) 22.06.2022
(72) Landler, Bruno	VERTICAL TRANSPORT EQUIPMENT	(87) EP2018070656
Schmid, Manfred	(73) ABB Schweiz AG	21.02.2019
(31) 102019112293	(72) Mustonen, Matti	(22) 31.07.2018
(32) 10.05.2019	(51) B66B 1/34	(54) ELEVATOR SYSTEM
(33) Germany	B66B 19/00	(73) Inventio AG
(51) B65H 1/04	B66B 5/00	(72) STUDER, Christian
B65H 1/26	(11) EP3653555	HUSMANN, Josef
(11) EP2769945	(21) EP18206659.7	(31) 17186585
(21) EP14155743.9	(47) 22.06.2022	(32) 17.08.2017
(47) 22.06.2022	(22) 16.11.2018	(33) European Patent Office (EPO)
(22) 19.02.2014	(54) ELEVATOR ARRANGEMENT AND	(51) B66B 13/28
(54) Sheet tray, sheet feeder with sheet tray,	METHOD	B66B 13/16
image forming apparatus with sheet tray,	(73) KONE Corporation	(11) EP3608282
and image reading device with sheet tray	(72) Valjus, Petteri	(21) EP18306101.9
(73) Kyocera Document Solutions Inc.	(51) B66B 5/00	(47) 22.06.2022
(72) Kawashima, Tetsuro	(11) EP3033289	(22) 10.08.2018
(31) 2013033308	(21) EP14746996.9	(54) ELEVATOR CAR APRON
(32) 22.02.2013	(47) 22.06.2022	(73) Otis Elevator Company
(33) Japan	(87) EP2014066274	(72) Sirgu, Gerard
(51) B65H 18/02	19.02.2015	Schach, Clement
B65H 23/198	(22) 29.07.2014	Trouvain, Guillaume
B29C 59/04	(54) MONITORING SYSTEM OF A LIFT	(51) B81B 3/00
B65H 18/08	SYSTEM	H04R 3/04
B65H 18/22	(73) Inventio AG	B81B 7/00
B65H 18/10	(72) SONNENMOSER, Astrid	H04R 19/00
B65H 18/16	TSCHUPPERT, Reto	H04R 19/04
B65H 18/26	KUSSEROW, Martin	(11) EP3449645
(11) EP3507221	(31) 13180168	(21) EP17722626.3
(21) EP17847320.3	(32) 13.08.2013	(47) 22.06.2022
(47) 22.06.2022	(33) European Patent Office (EPO)	(87) US2017029980
(87) US2017048956	(51) B66B 5/00	02.11.2017
08.03.2018	(11) EP3102523	(22) 27.04.2017
(22) 28.08.2017	(21) EP15703560.1	(54) MICROELECTROMECHANICAL
(54) WEB WINDING DEVICE	(47) 22.06.2022	SYSTEMS (MEMS) MICROPHONE
(73) Kimberly-Clark Worldwide, Inc.	(87) EP2015052403	BIAS VOLTAGE
(72) SEYMOUR, Robert, James	13.08.2015	(73) InvenSense, Inc.
(31) 201662381776 P	(22) 05.02.2015	(72) MOSS, Brian
(32) 31.08.2016	(54) MEASURING SYSTEM AND	IVO DE ROO, Dion
(33) United States of America	MEASURING METHOD FOR TESTING	LAFORT, Adrianus Maria
(51) B65H 23/025	THE CATCHING DEVICE OF AN	HARNEY, Kieran
(11) EP3744668	ELEVATOR	(31) 201615142696
(21) EP19075008.3		(32) 29.04.2016

(33) United States of America	PAVLAKOVICH, Walter, N	(33) China
(51) C01B 3/38	(31) 945954 P	(51) C03B 37/014
C01B 3/40	830781 P	(11) EP3878823
B01J 37/20	(32) 25.06.2007	(21) EP21160340.2
B01J 23/40	14.07.2006	(47) 22.06.2022
B01J 23/46	(33) United States of America	(22) 02.03.2021
B01J 23/74	United States of America	(54) MANUFACTURING METHOD OF
H01M 8/12	(51) C02F 1/40	POROUS GLASS BASE MATERIAL
H01M 8/0612	G01N 1/30	FOR OPTICAL FIBER
(11) EP2969923	G01N 1/36	(73) SHIN-ETSU CHEMICAL CO., LTD.
(21) EP14712994.4	G01N 1/28	(72) NODA, Naoto
(47) 22.06.2022	G01N 1/31	(31) 2020043917
(87) US2014022027	(11) EP2969968	(32) 13.03.2020
25.09.2014	(21) EP14764755.6	(33) Japan
(22) 07.03.2014	(47) 22.06.2022	(51) C03B 37/04
(54) CATALYSTS FOR HYDROCARBON	(87) US2014030409	C03C 25/14
REFORMING	18.09.2014	C03C 25/26
(73) LG Fuel Cell Systems Inc.	(22) 17.03.2014	D04H 1/4218
(72) BUDGE, John R.	(54) METHOD OF REMOVING FLOATATION	D04H 1/655
(31) 201313837544	LIQUID	D04H 3/004
(32) 15.03.2013	(73) Angros, Lee H.	D04H 3/12
(33) United States of America	(72) Angros, Lee H.	(11) EP2648857
(51) C01B 32/921	(31) 201361791178 P	(21) EP11847285.1
C01B 32/914	(32) 15.03.2013	(47) 22.06.2022
C01B 32/949	(33) United States of America	(87) US2011063720
H01L 31/0224	(51) C02F 1/44	14.06.2012
H01L 51/52	C02F 1/467	(22) 07.12.2011
H01L 33/42	C02F 101/12	(54) APPARATUS FOR CONTROLLING
C04B 35/56	(11) EP3853179	MOISTURE IN THE MANUFACTURE OF
C04B 35/58	(21) EP19765401.5	GLASS FIBER INSULATION
(11) EP3197832	(47) 22.06.2022	(73) Owens Corning Intellectual Capital, LLC
(21) EP15843168.4	(87) EP2019074768	(72) MIRTH, David, R.
(47) 22.06.2022	26.03.2020	INGLIS, Frank, Bruce
(87) US2015051588	(22) 17.09.2019	BURN, Terry
31.03.2016	(54) METHOD FOR REMOVING A	PELLEGRIN, Michael, Timothy
(22) 23.09.2015	CONTAMINANT FROM WASTEWATER	JOHNSON, Timothy, J.
(54) PHYSICAL FORMS OF MXENE	FROM AN INDUSTRIAL PLANT AND	(31) 421310 P
MATERIALS EXHIBITING NOVEL	A SYSTEM FOR PERFORMING SUCH	421306 P
ELECTRICAL AND OPTICAL	METHOD	421301 P
CHARACTERISTICS	(73) Yara International ASA	(32) 09.12.2010
(73) Drexel University	(72) BRERETON, Clive M. H.	09.12.2010
(72) GOGOTSI, Yury	CHLADEK, Petr	09.12.2010
FAFARMAN, Aaron, Thomas	MIELKE, Eric, Robin	(33) United States of America
BARSOUM, Michel, W.	(31) 18194743	United States of America
GHIDIU, Michael, J.	(32) 17.09.2018	United States of America
DILLON, Andrew Devries	(33) European Patent Office (EPO)	(51) C03C 15/00
(31) 201562214380 P	(51) C02F 9/00	(11) EP3310729
201462055155 P	C02F 1/36	(21) EP16734514.9
(32) 04.09.2015	C02F 1/52	(47) 22.06.2022
25.09.2014	C02F 1/56	(87) US2016037554
(33) United States of America	C02F 1/66	22.12.2016
United States of America	C02F 3/32	(22) 15.06.2016
(51) C02F 1/28	C02F 103/00	(54) METHOD OF DECORATING A
B01D 37/02	(11) EP3789353	SUBSTRATE SURFACE AND
C12H 1/07	(21) EP20192665.6	ARTICLES THEREBY
(11) EP2684589	(47) 22.06.2022	(73) Corning Incorporated
(21) EP13177485.3	(22) 25.08.2020	(72) BAZEMORE, Brandon, Allen
(47) 22.06.2022	(54) ECOLOGICAL REMEDIATION METHOD	FENTON, Matthew, Wade
(22) 13.07.2007	FOR WATER BODIES RICH IN HIGH-	DEJNEKA, Matthew, John
(54) Method for producing a composition for	TURBIDITY COLLOIDAL PARTICLES	JIN, Yuhui
filtering and removing particles and/or	(73) NANJING INSTITUTE OF GEOGRAPHY	SMITH, Charlene, Marie
constituents from a fluid	& LIMNOLOGY. CHINESE ACADEMY	(31) 201562182030 P
(73) Imerys Filtration Minerals, Inc.	OF SCIENCES	(32) 19.06.2015
(72) MASTRUP, Niles, S	(72) GU, Xiaozhi	(33) United States of America
REES, Robert, H	CHEN, Kaining	(51) C03C 15/00
HU, Quingchun	MA, Shuzhan	C03C 17/34
NYAMEKYE, George, A.	(31) 201910865924	C03C 17/28
TIHOMIROV, Larisa	(32) 09.09.2019	(11) EP3265435

(21) EP16714993.9	C05G 5/40	B01D 1/06
(47) 22.06.2022	(11) EP3201160	(11) EP3741741
(87) FR2016050474	(21) EP15757552.3	(21) EP19741627.4
09.09.2016	(47) 22.06.2022	(47) 22.06.2022
(22) 02.03.2016	(87) GB2015052476	(87) JP2019001268
(54) METHOD FOR PRODUCING RELIEF	07.04.2016	25.07.2019
STRUCTURES ON A HOLLOW GLASS	(22) 27.08.2015	(22) 17.01.2019
OBJECT AND HOLLOW GLASS	(54) PELLETISING PROCESS USING	(54) METHOD OF PRODUCING
OBJECT THUS PRODUCED	STARCH	(METH)ACRYLIC ACID OR ESTER
(73) Saverglass	(73) Anglo American Woodsmith Limited	THEREOF
(72) MEHAUX, Daniel	(72) EVANS, Mike	(73) Mitsubishi Chemical Corporation
(31) 1551759	EVANS, Jim	(72) OGAWA Yasushi
(32) 02.03.2015	FARNWORTH, Steve	NAKAMURA Masanari
(33) France	(31) 201417290	(31) 2019003553
(51) C04B 35/10	(32) 30.09.2014	2018007446
C04B 35/52	(33) United Kingdom	(32) 11.01.2019
C04B 35/56	(51) C07C 5/333	19.01.2018
C04B 35/565	C07C 11/06	(33) Japan
C04B 35/571	B01J 8/04	Japan
C04B 35/58	C07C 11/02	(51) C07C 67/20
C04B 38/00	(11) EP3665143	C07C 69/54
(11) EP3837229	(21) EP18843325.4	B01J 19/24
(21) EP19790678.7	(47) 22.06.2022	B01J 19/18
(47) 22.06.2022	(87) US2018045471	B01J 4/00
(87) FR2019052205	14.02.2019	(11) EP3057932
26.03.2020	(22) 07.08.2018	(21) EP14786866.5
(22) 19.09.2019	(54) PROCESSES FOR PRODUCING	(47) 22.06.2022
(54) METHOD FOR MANUFACTURING A	OLEFINS FROM PARAFFINS	(87) EP2014072366
CONSOLIDATED DENSIFIED PART	(73) UOP LLC	23.04.2015
FROM CERAMIC OR CARBON	(72) DZIABIS, Gary A.	(22) 17.10.2014
(73) Commissariat à l'énergie atomique et aux	(31) 201715672755	(54) ESTERIFICATION UNIT FOR
énergies alternatives	(32) 09.08.2017	PRODUCING CRUDE METHYL
Centre National de la Recherche	(33) United States of America	METHACRYLATE, ESTERIFICATION
Scientifique	(51) C07C 45/50	PROCESS USING SAID UNIT AND
UNIVERSITE DE BORDEAUX	C07C 47/02	PLANT COMPRISING SAID UNIT
(72) BAUX, Anthony	B01J 31/18	(73) Trinseo Europe GmbH
CHOLLON, Georges	B01J 21/18	(72) BERNARDIN, Yves
ALLEMAND, Alexandre	B01J 35/04	BILLON, Romain
PIQUERO, Thierry	B01J 23/46	MARCARIAN, Xavier
JACQUES, Sylvain	B01J 31/02	VALLET, Florent
(31) 1858524	B01J 37/02	(31) 1360181
(32) 20.09.2018	(11) EP3632886	(32) 18.10.2013
(33) France	(21) EP19200444.8	(33) France
(51) C04B 38/02	(47) 22.06.2022	(51) C07C 67/62
C04B 28/00	(22) 30.09.2019	C07C 69/653
C04B 111/28	(54) METHOD FOR THE	(11) EP3281934
(11) EP3665137	HYDROFORMYLATION OF	(21) EP16776718.5
(21) EP18797033.0	SHORT CHAIN OLEFINS USING A	(47) 22.06.2022
(47) 22.06.2022	HETEROGENISED CATALYST SYSTEM	(87) JP2016061625
(87) GB2018053072	WITHOUT IONIC LIQUID	13.10.2016
09.05.2019	(73) Evonik Operations GmbH	(22) 08.04.2016
(22) 24.10.2018	(72) Kristen, Marc Oliver	(54) STABILIZATION OF 2-
(54) GEOPOLYMERIC FOAM COMPRISING	Franke, Robert	FLUOROACRYLIC ACID DERIVATIVES
TRIPLE-LAYERED STRUCTURE FOR	Kreis, Peter	WITH ALDEHYDES
PROTECTING A SUBSTRATE	Stenger, Frank	(73) Daikin Industries, Ltd.
(73) Advanced Innergy Ltd	Hecht, Corinna	(72) HAMADA, Tomohito
(72) SHEPHERD, Simon	Haßelberg, Jennifer	MIYAZAKI, Manaho
PALMAN, Riccardo	(31) 18198787	MATSUURA, Makoto
MALLORIE, Michael	(32) 05.10.2018	KISHIKAWA, Yosuke
(31) 201717934	(33) European Patent Office (EPO)	GOTOU, Akihiro
(32) 31.10.2017	(51) C07C 51/44	YOSHIYAMA, Asako
(33) United Kingdom	B01D 3/10	(31) 2015080380
(51) C05G 3/00	B01D 3/14	(32) 09.04.2015
C05D 1/00	B01D 3/34	(33) Japan
C05D 3/00	B01D 5/00	(51) C07C 211/36
C05D 5/00	C07C 57/07	C08G 59/50
C05F 11/00	F28F 9/22	(11) EP3571182
C05G 5/12	C07C 51/50	(21) EP17822567.8

(47) 22.06.2022	(87) CZ2017000008	(31) 201610325811
(87) EP2017081313	31.08.2017	201511004527
14.06.2018	(22) 20.02.2017	(32) 16.05.2016
(22) 04.12.2017	(54) CRYSTALLINE MODIFICATIONS	28.12.2015
(54) N,N-DIAMINOPROPYL-2-METHYL- CYCLOHEXANE-1,3-DIAMINE AND N,N'-DIAMINOPROPYL-4-METHYL- CYCLOHEXANE-1,3-DIAMINE AND THEIR USE AS HARDENERS FOR EPOXY RESINS	{METHYL[(4-METHYLPYPERAZIN-1- YL)ACETYL]AMINO} PHENYLAMINO] (PHENYL)METHYLIDENE)-2- OXO-2,3-DIHYDRO-1H-INDOLE-6- CARBOXYLATE SALTS AND METHODS OF PREPARATION THEREOF	(33) China China
(73) BASF SE	(73) Zentiva, K.S.	(51) C07D 215/36
(72) PANCHENKO, Alexander	(72) GURGUT, Tomas	C07D 401/04
GUTFRUCHT, Norbert	TIEGER, Eszter	C07D 401/12
ERNST, Martin	DAMMER, Ondrej	A61K 31/47
GORMAN, Irene	TKADLECOVA, Marcela	A61K 31/4709
STEGMANN, Veit	(31) 20160104	A61P 19/06
GRUENANGER, Christian	(32) 24.02.2016	A61P 19/02
HOFMANN, Marc	(33) Czech Republic	A61P 9/12
MELDER, Johann-Peter	(51) C07D 211/70	A61P 9/00
(31) 16202180	C07D 211/78	A61P 13/12
(32) 05.12.2016	C07D 211/80	A61P 39/02
(33) European Patent Office (EPO)	C07D 213/50	A61P 17/06
(51) C07C 407/00	C07D 241/04	(11) EP3388420
C07C 409/34	C07D 241/08	(21) EP16872373.2
C07C 409/38	C09D 5/32	(47) 22.06.2022
(11) EP3728187	A61K 8/40	(87) CN2016108688
(21) EP18816069.1	(11) EP3204355	15.06.2017
(47) 22.06.2022	(21) EP16847624.0	(22) 06.12.2016
(87) EP2018084885	(47) 22.06.2022	(54) QUINOLINE COMPOUNDS, PREPARATION METHOD THEREOF, AND USE THEREOF AS URATE TRANSPORTER INHIBITOR DRUG
27.06.2019	(87) AU2016051162	(73) Hinova Pharmaceuticals Inc.
(22) 14.12.2018	01.06.2017	(72) FAN, Lei
(54) PROCESS FOR PREPARING A POWDERY ORGANIC PEROXIDE FORMULATION	(22) 28.11.2016	XU, Kexin
(73) Nouryon Chemicals International B.V.	(54) PHOTOSTABLE COMPOUNDS, ABSORBING COMPOUNDS AND USES THEREOF	LUO, Tongchuan
(72) OVERKAMP, Johannes Willibrordus	(73) Commonwealth Scientific and Industrial Research Organisation	CHEN, Yuanwei
Antonius	(72) YORK, Mark	LI, Xinghai
KROSENDIJK, Edgard Everick	RYAN, John	ZHANG, Shaohua
TALMA, Auke Gerardus	(31) 2015904932	DU, Wu
VAN DEN BERG, Michel	(32) 27.11.2015	CHEN, Ke
(31) 17208545	(33) Australia	(31) 201510896887
(32) 19.12.2017	(51) C07D 215/227	(32) 07.12.2015
(33) European Patent Office (EPO)	C07D 215/38	(33) China
(51) C07D 207/444	C07D 239/80	(51) C07D 215/38
C08F 8/30	C07D 263/58	A61K 31/47
C07B 63/00	C07D 265/18	A61K 31/166
(11) EP3636634	A01N 43/42	A61P 25/28
(21) EP18849469.4	A01N 43/54	A61P 35/00
(47) 22.06.2022	A01N 43/86	(11) EP3458444
(87) KR2018007765	(11) EP3398940	(21) EP17799969.5
04.07.2019	(21) EP16880842.6	(47) 22.06.2022
(22) 09.07.2018	(47) 22.06.2022	(87) US2017032784
(54) METHOD FOR PURIFYING N- SUBSTITUTED MALEIMIDE	(87) CN2016107516	23.11.2017
(73) LG Chem, Ltd.	06.07.2017	(22) 16.05.2017
(72) KIM, Eun Kyo	(22) 28.11.2016	(54) HISTONE DEACETYLASE 6 INHIBITORS AND USE THEREOF
CHEON, Joo Young	(54) HIGH STRESS RESISTANT PLANT GROWTH REGULATOR AND PREPARATION METHOD AND USE THEREOF	(73) Taipei Medical University National Taiwan University
KIM, Mi Kyung	(73) CAS Center for Excellence in Molecular Plant Sciences	(72) LIOU, Jing-Ping
LEE, Jeong Seok	(72) LIU, Xue	TENG, Che-Ming
(31) 20170179166	ZHANG, Yulu	PAN, Shioh-Lin
(32) 26.12.2017	WANG, Qihua	YANG, Chia-Ron
(33) Korea (Republic)	CAO, Minjie	(31) 201662336863 P
(51) C07D 209/34	ZHU, Jiankang	(32) 16.05.2016
A61K 31/404		(33) United States of America
A61P 35/04		(51) C07D 215/42
(11) EP3419964		C07D 401/12
(21) EP17711075.6		(11) EP3180314
(47) 22.06.2022		(21) EP15767345.0
		(47) 22.06.2022
		(87) NL2015050555

18.02.2016	(31) 2017240521	(87) US2016022858
(22) 29.07.2015	(32) 15.12.2017	22.09.2016
(54) PROCESS FOR PREPARING SYNTHETIC INTERMEDIATES FOR PREPARING TETRAHYDROQUINOLINE DERIVATIVES	(33) Japan	(22) 17.03.2016
(73) NewAmsterdam Pharma B.V.	(51) C07D 307/77	(54) ANTIFUNGAL COMPOUNDS AND PROCESSES FOR MAKING
(72) LEDRU, Amandine	C07D 493/14	(73) Mycovia Pharmaceuticals, Inc.
SEERDEN, Johannes Paulus Gerardus	C07D 493/04	(72) BONNAUD, Thierry
FORD, John	A61K 31/38	WIRTH, David, Dale
(31) PCT/NL2014/050556	A61P 31/18	EHIWE, Tracy
(32) 12.08.2014	A61P 43/00	HOEKSTRA, William, J.
(33) World Intellectual Property Office (WIPO)	(11) EP3538090	(31) 201562135682 P
(51) C07D 239/70	(21) EP17869625.8	(32) 19.03.2015
A61K 31/517	(47) 22.06.2022	(33) United States of America
A61P 29/00	(87) US2017060840	
C07D 405/06	17.05.2018	(51) C07D 403/12
C07D 401/04	(22) 09.11.2017	A61K 31/416
A61P 1/00	(54) TRICYCLIC P2-LIGAND CONTAINING HIV-PROTEASE INHIBITORS AGAINST HIV/AIDS	A61P 11/06
A61P 1/04	(73) Purdue Research Foundation	A61P 19/02
A61P 1/16	(72) MITSUYA, Hiroaki	(11) EP3433248
A61P 3/04	NYALAPATLA, Prasanth Reddy	(21) EP17712779.2
A61P 3/06	GHOSH, Arun K.	(47) 22.06.2022
A61P 3/10	(31) 201662419850 P	(87) EP2017056838
A61P 7/00	(32) 09.11.2016	28.09.2017
A61P 9/10	(33) United States of America	(22) 22.03.2017
A61P 9/12	(51) C07D 307/87	(54) PHYSICAL FORM OF A SGR MODULATOR
A61P 11/00	(11) EP3889143	(73) Astrazeneca AB
A61P 11/06	(21) EP19891658.7	(72) CHAOYI, Deng
A61P 13/12	(47) 22.06.2022	(31) PCT/CN2016/077095
A61P 19/02	(87) CN2019110807	(32) 23.03.2016
A61P 25/00	04.06.2020	(33) World Intellectual Property Office (WIPO)
(11) EP3539952	(22) 12.10.2019	(51) C07D 403/12
(21) EP19165684.2	(54) METHOD FOR PREPARING ESCITALOPRAM BIS- HYDROXYNAPHTHOATE CRYSTAL FORM A	C07D 403/14
(47) 22.06.2022	(73) Zhejiang Huahai Pharmaceutical Co., Ltd.	C07D 409/12
(22) 30.07.2015	Shanghai Aobo Pharmtech, Inc., Ltd.	C07D 409/14
(54) SUBSTITUTED BICYCLIC DIHYDROPYRIMIDINONES AND THEIR USE AS INHIBITORS OF NEUTROPHIL ELASTASE ACTIVITY	(72) CHEN, Xi	A61K 31/5513
(73) Boehringer Ingelheim International GmbH	XU, Wei	A61P 35/00
(72) RIES, Uwe Joerg	GU, Hong	(11) EP3337795
GNAMM, Christian	(31) 201811212608	(21) EP16756759.3
OOST, Thorsten	(32) 26.11.2018	(47) 22.06.2022
HOESCH, Holger	(33) China	(87) GB2016052565
PETERS, Stefan	(51) C07D 309/34	02.03.2017
MORSCHHAEUSER, Gerd	A61P 31/04	(22) 19.08.2016
ANDERSKEWITZ, Ralf	A61K 31/351	(54) PIPERIDINOBENZODIAZEPINE COMPOUNDS WITH ANTI PROLIFERATIVE ACTIVITY
(31) 14179288	(11) EP3393473	(73) Femtogenix Limited
(32) 31.07.2014	(21) EP16879970.8	(72) THURSTON, David Edwin
(33) European Patent Office (EPO)	(47) 22.06.2022	JACKSON, Paul Joseph Mark
(51) C07D 261/04	(87) US2016067774	RAHMAN, Khondaker Mirazur
C07C 249/08	29.06.2017	(31) 201514928
C07C 251/40	(22) 20.12.2016	(32) 21.08.2015
C07B 61/00	(54) SMALL MOLECULE LIPID II INHIBITORS	(33) United Kingdom
(11) EP3725782	(73) University of Maryland, Baltimore	(51) C07D 403/12
(21) EP18888261.7	(72) DE LEEUW, Erik	C07D 405/14
(47) 22.06.2022	FLETCHER, Steven	C07D 307/93
(87) JP2018045921	CHAUHAN, Jamal	C07D 209/76
20.06.2019	MACKERELL, Alexander	A61K 31/122
(22) 13.12.2018	(31) 201562270184 P	A61K 31/194
(54) NOVEL METHOD FOR PRODUCING 5,5-DISUBSTITUTED-4,5- DIHYDROISOXAZOLE	(32) 21.12.2015	A61K 31/343
(73) Kumiai Chemical Industry Co., Ltd.	(33) United States of America	A61K 31/4035
(72) NAGATA, Toshihiro	(51) C07D 401/06	A61P 7/00
	(11) EP3271347	A61K 31/4245
	(21) EP16765738.6	(11) EP3383846
	(47) 22.06.2022	(21) EP16871116.6
		(47) 22.06.2022
		(87) NZ2016050188
		08.06.2017
		(22) 30.11.2016

(54) CARBON MONOXIDE RELEASING NORBORNENONE COMPOUNDS	A61P 35/00	A61K 31/4375
(73) Otago Innovation Limited	(11) EP3569601	A61P 1/16
(72) RENNISON, David	(21) EP19184604.7	A61P 1/18
BRIMBLE, Margaret Anne	(47) 22.06.2022	A61P 9/00
SAMMUT, Ivan Andrew	(22) 04.08.2017	A61P 11/00
JAY-SMITH, Morgan	(54) N-(PHENYLSULFONYL)BENZAMIDES AND RELATED COMPOUNDS AS BCL-2 INHIBITORS	A61P 13/12
GILES, Gregory	(73) The Regents of The University of Michigan	A61P 17/00
LARSEN, David Samuel	(72) CHEN, Jianyong	A61P 19/10
KUEH, Jui Thiang Brian	WANG, Shaomeng	A61P 27/02
HARRISON, Joanne Clare	(31) 201762454101 P	A61P 35/00
STANLEY, Nathan John	201662371504 P	A61P 37/06
READ, Morgayn Iona	(32) 03.02.2017	A61P 43/00
SMITH, Robin Andrew James	05.08.2016	(11) EP3538525
WOODS, Laura Molly	(33) United States of America	(21) EP17801230.8
HEWITT, Russell James	United States of America	(47) 22.06.2022
LARSEN, Lesley	(51) C07D 471/04	(87) US2017060376
(31) 201562261072 P	A61P 1/16	17.05.2018
(32) 30.11.2015	A61K 31/437	(22) 07.11.2017
(33) United States of America	(11) EP3571200	(54) 3-SUBSTITUTED PROPIONIC ACIDS AS ALPHA V INTEGRIN INHIBITORS
(51) C07D 413/14	(21) EP18702425.2	(73) Bristol-Myers Squibb Company
C07D 403/14	(47) 22.06.2022	(72) YE, Xiang-Yang
A61K 31/553	(87) EP2018051110	JACUTIN-PORTE, Swanee E.
A61P 35/00	26.07.2018	DHANUSU, Suresh
(11) EP3481822	(22) 17.01.2018	HAN, Xiaojun
(21) EP17740578.4	(54) PROTEIN KINASE INHIBITORS FOR PROMOTING LIVER REGENERATION OR REDUCING OR PREVENTING HEPATOCYTE DEATH	GUERNON, Leatte R.
(47) 22.06.2022	(73) HepaRegeniX GmbH	ZHAO, Guohua
(87) US2017040866	(72) SELIG, Roland	BALASUBRAMANIAN, Palanikumar
11.01.2018	KLÖVEKORN, Phillip	SELVAKUMAR, Kumaravel
(22) 06.07.2017	LAUFER, Stefan	PARKER, Michael F.
(54) MULTIFUNCTIONAL INHIBITORS OF MEK/PI3K AND MTOR/MEK/PI3K BIOLOGICAL PATHWAYS AND THERAPEUTIC METHODS USING THE SAME	ALBRECHT, Wolfgang	DEVASTHALE, Pratik
(73) The Regents of The University of Michigan	PRÄFKE, Bent	CIVIELLO, Rita
(72) ROSS, Brian, D.	(31) 17204638	(31) 201662418848 P
VAN DORT, Marcian	17151787	(32) 08.11.2016
(31) 201762454163 P	(32) 30.11.2017	(33) United States of America
201662359001 P	17.01.2017	(51) C07D 471/04
(32) 03.02.2017	(33) European Patent Office (EPO)	C07D 519/00
06.07.2016	European Patent Office (EPO)	A61K 31/437
(33) United States of America	(51) C07D 471/04	A61P 35/00
United States of America	C07D 487/04	(11) EP3713941
(51) C07D 413/14	C07D 491/048	(21) EP18880606.1
C07D 487/10	C07D 513/04	(47) 22.06.2022
A61K 31/517	A61K 31/437	(87) CN2018117295
A61K 31/551	A61P 11/06	31.05.2019
A61P 37/00	(11) EP3596072	(22) 23.11.2018
(11) EP3847170	(21) EP18711294.1	(54) PYRAZOLOPYRIDINONE COMPOUNDS
(21) EP18765626.9	(47) 22.06.2022	(73) Janssen Pharmaceutica NV
(47) 22.06.2022	(87) EP2018056129	(72) QIN, Luoheng
(87) EP2018073920	20.09.2018	WAN, Zhao-Kui
12.03.2020	(22) 13.03.2018	LIU, Qian
(22) 06.09.2018	(54) PYRAZOLOCHLOROPHENYL COMPOUNDS, COMPOSITIONS AND METHODS OF USE THEREOF	GUO, Haibing
(54) NOVEL CYCLIC AMIDINE COMPOUNDS FOR THE TREATMENT OF AUTOIMMUNE DISEASE	(73) F. Hoffmann-La Roche AG	CHEUNG, Wing Shun
(73) F. Hoffmann-La Roche AG	(72) ZAK, Mark	(31) PCT/CN2017/112835
(72) QIU, Zongxing	HANAN, Emily J.	(32) 24.11.2017
XU, Hongtao	ROMERO, F. Anthony	(33) World Intellectual Property Office (WIPO)
ZHU, Wei	YUEN, Po-wai	(51) C07D 471/08
DEY, Fabian	(31) PCT/CN2017/076598	A61K 31/439
ZOU, Ge	(32) 14.03.2017	A61P 31/04
SHEN, Hong	(33) World Intellectual Property Office (WIPO)	(11) EP3519411
(51) C07D 471/04	(51) C07D 471/04	(21) EP17783790.3
A61K 31/437	C07D 491/04	(47) 22.06.2022
		(87) EP2017074873
		05.04.2018
		(22) 29.09.2017
		(54) HETEROCYCLIC COMPOUNDS AND THEIR USE IN PREVENTING OR TREATING BACTERIAL INFECTIONS

(73) Mutabilis	(87) US2018065677	TAMRAZ, Wilma
(72) RICHARD, Sébastien	20.06.2019	LEE, Min, L.
LEDOUSSAL, Benoît	(22) 14.12.2018	REN, Shunlin
SIMON, Christophe	(54) CYCLIC DINUCLEOTIDES AS STING	KIM, Jin, Koung
FAIVRE, Fabien	AGONISTS	KIM, Meej
OLIVEIRA, Chrystelle	(73) Janssen Biotech, Inc.	MIKSZTAL, Andrew, R.
LE FRALLIEC, Géraldine	(72) LAQUERRE, Sylvia	XU, Leyuan
FARESCOUR, Laurence	THURING, Johannes Wilhelmus John	WU, Hongwei
LE-STRAT, Frédéric	Fitzgerald	(31) 201762470578 P
CARAVANO, Audrey	BEIGELMAN, Leonid	201662370024 P
CHASSET, Sophie	ZHONG, Minghong	(32) 13.03.2017
BRIAS, Julie	RICHTER, Mark	02.08.2016
CHEVREUIL, Francis	CONNOLLY, Peter J.	(33) United States of America
BARBION, Julien	VIELLEVOYE, Marcel	United States of America
LEBEL, Rémi	THATIKONDA, Santhosh Kumar	(51) C07K 5/103
VOMSCHEID, Sophie	EMANUEL, Stuart	C07K 7/02
LECOINTE, Nicolas	BIGNAN, Gilles	C07D 211/66
(31) 16306261	EDWARDS, James Patrick	A61P 29/00
(32) 30.09.2016	SCHEPENS, Wim Gert Griet	(11) EP3722286
(33) European Patent Office (EPO)	WANG, Guangyi	(21) EP18886827.7
(51) C07D 487/04	(31) 201762599111 P	(47) 22.06.2022
C07D 471/04	(32) 15.12.2017	(87) CN2018119309
A61K 31/535	(33) United States of America	13.06.2019
A61K 31/519	(51) C07J 9/00	(22) 05.12.2018
A61K 31/437	C07J 17/00	(54) SALT OF A PHENYLPROPIONAMIDE
A61P 3/10	C12P 33/20	DERIVATIVE AND PREPARATION
A61P 35/00	A23L 2/60	METHOD THEREFOR
(11) EP3052501	A23L 27/30	(73) Jiangsu Hengrui Medicine Co., Ltd.
(21) EP14851209.8	(11) EP3368542	Shanghai Hengrui Pharmaceutical Co.,
(47) 22.06.2022	(21) EP16860816.4	Ltd
(87) SG2014000468	(47) 22.06.2022	(72) CAO, Xiaoli
09.04.2015	(87) US2016059187	WANG, Lin
(22) 03.10.2014	04.05.2017	YE, Jingquan
(54) BICYCLIC ALKYNE DERIVATIVES AND	(22) 27.10.2016	MA, Yahui
USES THEREOF	(54) HIGH INTENSITY SWEETENERS	FENG, Jun
(73) Agency for Science, Technology and	(73) Firmenich Incorporated	SHAO, Qiyun
Research	(72) HAMMAKER, Jeffrey, R.	HE, Feng
(72) CHENNAMANENI, Lohitha Rao	DITSCHUN, Tanya	(31) 201711272474
NACRO, Kassoum	COLQUITT, Justin	(32) 06.12.2017
(31) 201317545	SERVANT, Nicole	(33) China
(32) 03.10.2013	NORIEGA, Chris, Edano	(51) C07K 14/47
(33) United Kingdom	MANAM, Rama	A61P 25/16
(51) C07F 5/02	PATRON, Andrew	A61K 38/00
A61K 31/69	GONSALVES, Nicole	(11) EP3441769
A61P 35/00	(31) 201562248206 P	(21) EP18195817.4
(11) EP3672977	(32) 29.10.2015	(47) 22.06.2022
(21) EP18755481.1	(33) United States of America	(22) 13.02.2015
(47) 22.06.2022	(51) C07J 31/00	(54) PHOSPHORYLATED UBIQUITIN
(87) EP2018072485	C07C 401/00	PROTEIN
28.02.2019	(11) EP3494125	(73) Tokyo Metropolitan Institute of Medical
(22) 21.08.2018	(21) EP17837516.8	Science
(54) BORONIC ACID DERIVATIVES	(47) 22.06.2022	(72) OKATSU, Kei
(73) Merck Patent GmbH	(87) US2017044840	MATSUDA, Noriyuki
(72) KLEIN, Markus	08.02.2018	SAEKI, Yasushi
SCHADT, Oliver	(22) 01.08.2017	GO, Etsu
ESDAR, Christina	(54) COMPOSITIONS COMPRISING 5-	KOYANO, Fumika
(31) 17187636	CHOLESTEN-3, 25-DIOL, 3-SULFATE	KIMURA, Mayumi
(32) 24.08.2017	(25HC3S) OR PHARMACEUTICALLY	(31) 2014028449
(33) European Patent Office (EPO)	ACCEPTABLE SALT THEREOF	(32) 18.02.2014
(51) C07H 21/02	AND AT LEAST ONE CYCLIC	(33) Japan
A61K 31/7084	OLIGOSACCHARIDE	(51) C07K 14/735
C07H 21/04	(73) Durect Corporation	A61K 47/68
A61P 31/00	Virginia Commonwealth University	G01N 33/68
A61P 31/12	The United States Government as	A61K 38/00
A61P 35/00	Represented by The Department of	(11) EP3632928
(11) EP3724205	Veterans Affairs	(21) EP18856285.4
(21) EP18830620.3	(72) LIN, Weiqi	(47) 22.06.2022
(47) 22.06.2022	NING, Yanxia	(87) KR2018010783

21.03.2019	C07K 14/00	(72) SCHULZ, Tobias
(22) 13.09.2018	A61K 39/00	FISCHER, Wolfgang
(54) FC-GAMMA RECEPTOR MUTANTS	(11) EP2970503	(31) 18185248
(73) Kookmin University Industry Academy Cooperation Foundation	(21) EP14775035.0	(32) 24.07.2018
(72) JUNG, Sang Taek	(47) 22.06.2022	(33) European Patent Office (EPO)
KO, Sanghwan	(87) US2014025890	(51) C08F 10/00
JO, Migyeong	02.10.2014	C08F 4/62
HWANG, Bora	(22) 13.03.2014	C08F 4/646
(31) 20170132864	(54) ANTI-(+) --METHAMPHETAMINE	C08F 4/6592
20170132863	MONOCLONAL ANTIBODIES	C08F 210/16
20170132862	(73) BioVentures, LLC	C08L 23/08
20170118771	(72) OWENS, Samuel, Michael	C08F 4/64
20170118770	HENRY, Ralph	C08F 290/04
20170118769	BROWN, Alicia	(11) EP3124506
(32) 12.10.2017	(31) 201313802688	(21) EP15770050.1
12.10.2017	(32) 13.03.2013	(47) 22.06.2022
12.10.2017	(33) United States of America	(87) JP2015059425
15.09.2017	(51) C08B 37/00	01.10.2015
15.09.2017	C08J 3/28	(22) 26.03.2015
15.09.2017	(11) EP3740513	(54) OLEFIN RESIN AND METHOD FOR PRODUCING SAME
(33) Korea (Republic)	(21) EP19715979.1	(73) Mitsui Chemicals, Inc.
Korea (Republic)	(47) 22.06.2022	(72) MATSUGI, Tomoaki
Korea (Republic)	(87) IB2019051192	IWASHITA, Akihiko
Korea (Republic)	22.08.2019	NAKAMURA, Tatsuya
Korea (Republic)	(22) 14.02.2019	YANAGIMOTO, Yasushi
Korea (Republic)	(54) IMPROVED PROCESS FOR THE PREPARATION OF DALTEPARIN SODIUM	SAITO, Junji
(51) C07K 16/10	(73) Biological E Limited	(31) 2014068305
A61K 39/395	(72) CHINTAKUNTA, Vamsee Krishna	(32) 28.03.2014
G01N 33/50	VEDULA, Manohar Sarma	(33) Japan
(11) EP3333187	MANTENA, Narender Dev	(51) C08F 210/16
(21) EP17198417.2	KADABOINA, Rajasekhar	(11) EP3356430
(47) 22.06.2022	(31) 201841005592	(21) EP16778178.0
(22) 08.12.2008	(32) 14.02.2018	(47) 22.06.2022
(54) ANTIBODIES AGAINST INFLUENZA VIRUS AND METHODS OF USE THEREOF	(33) India	(87) US2016054088
(73) Burnham Institute for Medical Research Dana-Farber Cancer Institute, Inc.	(51) C08F 2/34	06.04.2017
(72) MARASCO, Wayne	C08F 2/42	(22) 28.09.2016
LIDDINGTON, Robert	C08F 10/00	(54) A POLYMERIZATION PROCESS FOR PRODUCING ETHYLENE BASED POLYMERS
SUI, Jianhua	(11) EP3237458	(73) Dow Global Technologies LLC
(31) 91599	(21) EP15817345.0	(72) JAGANATHAN, Arvind
5725	(47) 22.06.2022	YOUNG, Andrew
(32) 25.08.2008	(87) EP2015080943	VAIDYA, Tulaza
06.12.2007	30.06.2016	DO, Hien
(33) United States of America	(22) 22.12.2015	BROWN, Susan
United States of America	(54) PROCESS FOR TRANSITIONING BETWEEN INCOMPATIBLE CATALYSTS	DELORBE, Johnathan
(51) C07K 16/18	(73) SABIC Global Technologies B.V.	FONTAINE, Philip P.
(11) EP3250593	(72) BANAT, Yahya	ZHANG, Chunming
(21) EP16702990.9	FELLAHI, Said	(31) 201562234910 P
(47) 22.06.2022	AL-HUMYDI, Abdulaziz Hamad	(32) 30.09.2015
(87) IB2016050416	(31) 14199685	(33) United States of America
04.08.2016	(32) 22.12.2014	(51) C08F 293/00
(22) 28.01.2016	(33) European Patent Office (EPO)	C08L 53/02
(54) ANTI-TRANSTHYRETIN ANTIBODIES	(51) C08F 6/22	C09J 153/02
(73) Prothena Biosciences Limited	C08F 265/04	(11) EP3604367
University Health Network	C08L 51/04	(21) EP18774206.9
(72) NIJJAR, Tarlochan, S.	C08L 25/12	(47) 22.06.2022
CHAKRABARTTY, Avijit	(11) EP3827032	(87) JP2018013412
HIGAKI, Jeffrey, N.	(21) EP19742215.7	04.10.2018
(31) 201562266555 P	(47) 22.06.2022	(22) 29.03.2018
201562109004 P	(87) EP2019069764	(54) BLOCK COPOLYMER AND METHOD FOR PRODUCING BLOCK COPOLYMER
(32) 11.12.2015	30.01.2020	(73) Denka Company Limited
28.01.2015	(22) 23.07.2019	(72) HAGIWARA Shogo
(33) United States of America	(54) PROCESS FOR PREPARING GRAFT RUBBER COMPOSITIONS WITH IMPROVED DEWATERING	YAMAGISHI Uichiro
United States of America	(73) INEOS Styrolution Group GmbH	ISHIGAKI Yuhei
(51) C07K 16/44		

AIZAWA Takashi	(32) 19.12.2014	(22) 17.03.2020
NISHINO Wataru	(33) South Africa	(54) TRIBLOCK COPOLYMER AND PREPARATION METHOD THEREFOR
(31) 2017067178	(51) C08G 59/14	(73) LG CHEM, LTD.
(32) 30.03.2017	(11) EP3505550	(72) CHOI, Jung Yun
(33) Japan	(21) EP18212170.7	KIM, Chul Woong
(51) C08G 18/10	(47) 22.06.2022	HEO, Sungwoon
C08G 18/48	(22) 13.12.2018	(31) 20200031969
C08G 18/66	(54) WETTING AND DISPERSING AGENT WITH RHEOLOGICAL PROPERTY	20190034614
C08G 18/72	(73) Evonik Operations GmbH	(32) 16.03.2020
C08G 18/16	(72) Rödiger, Sandra	26.03.2019
(11) EP3310825	Kleinsteinberg, Frank	(33) Korea (Republic)
(21) EP16730145.6	Favresse, Philippe	Korea (Republic)
(47) 22.06.2022	Grewing, Manuela	
(87) US2016035564	Flock, Birgit	(51) C08G 63/16
22.12.2016	(31) 17210626	C08G 63/42
(22) 02.06.2016	(32) 27.12.2017	(11) EP3464416
(54) TWO-PART POLYURETHANE ADHESIVES MADE USING ISOCYANATE-TERMINATED QUASI-PREPOLYMERS BASED ON POLY (BUTYLENE OXIDE)	(33) European Patent Office (EPO)	(21) EP17726300.1
(73) DDP Specialty Electronic Materials US, LLC	(51) C08G 59/40	(47) 22.06.2022
(72) CADERAS, Ilona	C08G 59/50	(87) EP2017062799
SCHMATLOCH, Stefan	(11) EP3774984	30.11.2017
(31) 201562181369 P	(21) EP19714653.3	(22) 26.05.2017
(32) 18.06.2015	(47) 22.06.2022	(54) POLYMERS, PROCESSES, COMPOSITIONS&USES
(33) United States of America	(87) EP2019058033	(73) Covestro (Netherlands) B.V.
(51) C08G 18/48	03.10.2019	(72) KONING, Cornelis Erme
C08G 18/12	(22) 29.03.2019	BUIJSEN, Paulus Franciscus Anna
C08G 18/34	(54) PHENALKAMINE EPOXY CURING AGENTS AND EPOXY RESIN COMPOSITIONS CONTAINING THE SAME	DRIJFHOUT, Jan Pieter
C08G 18/40	(73) Evonik Operations GmbH	VELDHUIS, Theo
(11) EP3692085	(72) ROUMPELAKIS, Emmanouil	MOLHOEK, Leendert Jan
(21) EP18778930.0	COOK, Michael	(31) 17154451
(47) 22.06.2022	VEDAGE, Gamini Ananda	16171747
(87) EP2018076852	LAL, Gauri Sankar	(32) 02.02.2017
11.04.2019	(31) 201862650376 P	27.05.2016
(22) 02.10.2018	PCT/EP2019/057481	(33) European Patent Office (EPO)
(54) VISCO-ELASTIC ELEMENT BASED ON A POLYURETHANE FOAM	(32) 30.03.2018	European Patent Office (EPO)
(73) Covestro Deutschland AG	26.03.2019	(51) C08G 63/48
(72) DÖRR, Sebastian	(33) United States of America	C09D 17/00
MOTLEY, Jeffrey	World Intellectual Property Office (WIPO)	C08G 63/52
WEISER, Marc-Stephan	(51) C08G 59/50	C08G 63/91
PLUG, Sascha	C08G 59/56	C09D 167/07
(31) 17195351	(11) EP3853280	C09D 167/08
(32) 07.10.2017	(21) EP19765478.3	C09D 7/61
(33) European Patent Office (EPO)	(47) 22.06.2022	C08K 3/22
(51) C08G 18/48	(87) EP2019073939	C08K 3/013
C08G 18/62	26.03.2020	(11) EP3728396
C08G 18/75	(22) 09.09.2019	(21) EP18815736.6
C08G 18/76	(54) CURING AGENT COMPOSITION FOR AN EPOXY RESIN COMPOSITION, EPOXY RESIN COMPOSITION AND MULTI-COMPONENT EPOXY RESIN SYSTEM	(47) 22.06.2022
C08G 18/32	(73) Hilti Aktiengesellschaft	(87) EP2018085105
(11) EP3233954	(72) BEHRENS, Nicole	27.06.2019
(21) EP15820635.9	(31) 18195417	(22) 17.12.2018
(47) 22.06.2022	(32) 19.09.2018	(54) ALKYD FOR PIGMENT PASTE
(87) IB2015059787	(33) European Patent Office (EPO)	(73) Akzo Nobel Coatings International B.V.
23.06.2016	(51) C08G 63/08	(72) RIJLAARSDAM, Eric Harry Jacobus
(22) 18.12.2015	C08G 63/85	VAN STREUN, Karel Hindrik
(54) POLYURETHANES	C08G 63/82	(31) 17208977
(73) Strait Access Technologies Holdings (PTY) LTD	C08G 63/85	(32) 20.12.2017
(72) COURY, Arthur	(11) EP3795607	(33) European Patent Office (EPO)
BEZUIDENHOUT, Deon	(21) EP20779374.6	(51) C08G 63/52
COETZEE, Johan	(47) 22.06.2022	C08F 222/00
CONRADIE, David Gideon	(87) KR2020003639	C08G 61/08
DE VILLIERS, Jandré	01.10.2020	C08F 222/10
(31) 201409373		(11) EP3851477
		(21) EP21151002.9
		(47) 22.06.2022
		(22) 17.08.2017
		(54) HIGH-WEIGHT GLYCERIDE OLIGOMERS AND METHODS OF MAKING THE SAME

(73) Wilmar Trading Pte Ltd	(31) 16161430	(22) 11.04.2018
(72) SNEAD, Thomas E. COHEN, Steven A.	(32) 21.03.2016	(54) PNEUMATIC TIRE
(31) 201615239830	(33) European Patent Office (EPO)	(73) The Yokohama Rubber Co., Ltd.
(32) 18.08.2016	(51) C08J 3/12	(72) SUGIURA, Hiroki
(33) United States of America	F26B 5/06	(31) 2017097393
(51) C08G 64/30	(11) EP3844209	(32) 16.05.2017
C08G 64/24	(21) EP19748554.3	(33) Japan
(11) EP3728398	(47) 22.06.2022	(51) C08L 23/12
(21) EP18814638.5	(87) EP2019071168	(11) EP3484956
(47) 22.06.2022	05.03.2020	(21) EP17746232.2
(87) EP2018084562	(22) 07.08.2019	(47) 22.06.2022
27.06.2019	(54) PROCESS FOR PREPARING A POLYMER POWDER	(87) US2017041954
(22) 12.12.2018	(73) Evonik Operations GmbH	25.01.2018
(54) METHOD FOR PRODUCING A POLYCARBONATE USING AN ORGANIC SOLVENT BASED ON HYDROCHLOROCARBON	(72) MELK, Verena ENGEL, Andrea NIEPOTH, Peter	(22) 13.07.2017
(73) Covestro Intellectual Property GmbH & Co. KG	(31) 18191923	(54) LOW DENSITY POLYOLEFIN RESINS WITH HIGH DIMENSIONAL STABILITY
(72) HEIJL, Jan YAO, Xiaoxin SLUYTS, Erik OOMS, Pieter	(32) 31.08.2018	(73) Equistar Chemicals LP
(31) 17207886	(33) European Patent Office (EPO)	(72) DAMMANN, Michael J. YANG, Changlai GLENISTER, Peter J.
(32) 18.12.2017	(51) C08J 9/00	(31) 201662363729 P
(33) European Patent Office (EPO)	C08L 7/02	(32) 18.07.2016
(51) C08G 65/02	C09D 107/02	(33) United States of America
C08G 65/26	B64D 37/02	(51) C08L 23/12
C08G 18/32	B65D 90/22	(11) EP3613805
(11) EP3681925	(11) EP3851481	(21) EP19193407.4
(21) EP18772992.6	(21) EP20152416.2	(47) 22.06.2022
(47) 22.06.2022	(47) 22.06.2022	(22) 23.08.2019
(87) US2018047252	(22) 17.01.2020	(54) CELLULOSE COMPOSITE RESIN AND METHOD FOR THE PRODUCTION THEREOF
21.03.2019	(54) SELF-SEALING FUEL TANK	(73) Panasonic Holdings Corporation
(22) 21.08.2018	(73) Pluscom Holding B.V.	(72) HAMABE, Masashi IMANISHI, Masayoshi NISHINO, Shouma NAGINO, Toshifumi
(54) CONTINUOUS PROCESS FOR MAKING POLYETHER POLYOLS	(72) Huijzen, Ronald Dick Tuzcu, Gözde Havinga, Jakob Sikkes Naus, Johannes Hubertus	(31) 2019102327
(73) Dow Global Technologies LLC	(51) C08K 5/00	2018157637
(72) MASY, Jean-Paul BABB, David A.	C08K 9/08	(32) 31.05.2019
(31) 201762559109 P	C08K 3/013	24.08.2018
(32) 15.09.2017	(11) EP3615600	(33) Japan Japan
(33) United States of America	(21) EP18722338.3	(51) C08L 23/12
(51) C08G 75/00	(47) 22.06.2022	C08K 5/3435
C08J 3/00	(87) US2018027816	C08L 23/16
C08J 3/14	01.11.2018	C08L 53/00
C08F 6/28	(22) 16.04.2018	(11) EP3310857
C08G 65/40	(54) SURFACE TREATED TALC AND POLYMER COMPOSITIONS FOR HIGH TEMPERATURE APPLICATIONS	(21) EP15895232.5
C08G 65/46	(73) Specialty Minerals (Michigan) Inc.	(47) 22.06.2022
C08G 75/02	(72) WERNETT, Patrick C.	(87) CN2015081738
C08G 75/20	(31) 201715708608	22.12.2016
C08G 75/23	201762490939 P	(22) 18.06.2015
(11) EP3433300	(32) 19.09.2017	(54) THERMALLY CONDUCTIVE ELASTOMERIC COMPOSITES
(21) EP17710296.9	27.04.2017	(73) Dow Global Technologies LLC
(47) 22.06.2022	(33) United States of America United States of America	(72) HAN, Tao CHEN, Hongyu YANG, Yunfeng
(87) EP2017055992	(51) C08L 9/06	(51) C08L 33/00
28.09.2017	B60C 1/00	H01M 10/0565
(22) 14.03.2017	B60C 11/01	H01M 4/13
(54) DESALINATION OF POLYARYL ETHERS BY MEANS OF MELT EXTRACTION	B60C 11/03	H01M 4/62
(73) BASF SE	C08K 3/04	H01M 50/414
(72) GRAMLICH, Simon ULZHOEFER, Angela GASSMANN, Michel STAMMER, Achim NIEDERMAIER, Frank	C08K 3/06	H01M 50/417
	C08L 7/00	H01M 50/423
	C08L 9/00	H01M 50/429
	(11) EP3626480	(11) EP3648226
	(21) EP18803199.1	(21) EP18823468.6
	(47) 22.06.2022	
	(87) JP2018015273	
	22.11.2018	

(47) 22.06.2022	(73) Techno-UMG Co., Ltd.	(21) EP18196802.5
(87) JP2018023306	(72) EGAWA, Kazuya	(47) 22.06.2022
03.01.2019	MOCHIZUKI, Isamu	(22) 26.09.2018
(22) 19.06.2018	(31) 2010191094	(54) REACTION RESIN SEALING FOR
(54) ELECTROLYTE COMPOSITION,	(32) 27.08.2010	MULTI-FUNCTION MARKINGS
ELECTROLYTE MEMBRANE,	(33) Japan	(73) Röhm GmbH
ELECTRODE AND BATTERY	(51) C08L 71/00	(72) KLEIN, Alexander
(73) Nippon Shokubai Co., Ltd.	B01D 67/00	STICKELMAIER, Georg
(72) SHIBATA, Shin-ya	B01D 69/00	LOTZ, Janos
ARAKAWA, Motohiro	B01D 71/00	<hr/>
(31) 2017125319	C08J 5/18	(51) C09D 5/02
(32) 27.06.2017	C08L 63/00	C09D 5/03
(33) Japan	C08L 81/06	C09D 5/44
<hr/>	D01F 6/78	B33Y 70/00
(51) C08L 53/02	(11) EP3475364	C08L 53/00
C08K 5/01	(21) EP17729147.3	(11) EP3700984
C08L 91/00	(47) 22.06.2022	(21) EP18801113.4
G09B 23/30	(87) EP2017064469	(47) 22.06.2022
(11) EP3851492	28.12.2017	(87) US2018056839
(21) EP21152514.2	(22) 14.06.2017	02.05.2019
(47) 22.06.2022	(54) USE OF A SOLUTION OF	(22) 22.10.2018
(22) 28.11.2017	POLYSULFONE IN N-ACYL-	(54) PROCESS FOR FORMING A POWDER
(54) COMPOUND RESIN	MORPHOLINE FOR THE FABRICATION	(73) Dow Global Technologies LLC
(73) Kuraray Trading Co., Ltd.	OF UF MEMBRANES	(72) FAN, Yi
(72) ISHII, Masaru	(73) DuPont Safety & Construction, Inc.	SINGH, Harpreet
(31) 2016230268	(72) GRONWALD, Oliver	BISWAS, Sanjib
(32) 28.11.2016	KARL, Ulrich	GORIN, Craig F.
(33) Japan	MARION, Nicolas	DERMODY, Daniel L.
<hr/>	WEBER, Martin	TOMCZAK, Thomas L.
(51) C08L 67/02	(31) 16175857	(31) 201762576907 P
B29C 65/16	(32) 23.06.2016	(32) 25.10.2017
C08K 3/013	(33) European Patent Office (EPO)	(33) United States of America
C08K 7/14	<hr/>	<hr/>
B29C 65/82	(51) C08L 91/06	(51) C09D 5/28
B29K 509/00	C08L 95/00	C09D 5/29
B29C 65/00	C08J 11/12	B05D 3/06
B29K 105/16	C10C 3/02	B05D 5/06
B29K 509/02	(11) EP3414302	B05D 7/02
C08G 63/183	(21) EP17749885.4	B05D 7/14
C08G 63/199	(47) 22.06.2022	C23C 14/34
(11) EP3901215	(87) CA2017050172	C23C 14/00
(21) EP20175837.2	17.08.2017	F24B 7/00
(47) 22.06.2022	(22) 13.02.2017	F24B 9/00
(22) 20.05.2020	(54) POLYMER-MODIFIED ASPHALT WITH	(11) EP2994243
(54) LASER WELDABLE COMPOSITIONS,	WAX ADDITIVE	(21) EP14730738.3
PRODUCTS AND USES THEREOF	(73) GreenMantra Recycling Technologies Ltd	(47) 22.06.2022
(73) Chang Chun Plastics Co., Ltd.	(72) DIMONDO, Domenic	(87) EP2014001092
(72) HWANG, Kuen-Yuan	GUILLON, Chris	13.11.2014
LIN, Te-Shun	(31) 201662295035 P	(22) 24.04.2014
CHENG, Po-Yuan	(32) 13.02.2016	(54) GLOSS DEGREE ADJUSTMENT OF
LIN, Yung-Sheng	(33) United States of America	PLASTICS SUBSTRATES HAVING A
HUNG, Cheng-Hsiang	<hr/>	METALLIC FINISH
TSAI, Hsin-Hsien	(51) C09C 1/42	(73) Oerlikon Surface Solutions AG, Pfäffikon
CHOU, June-Yen	C09D 7/61	(72) SCHAEFER, Rüdiger
(31) 202016853044	C08K 3/34	ROSEZIN, Marc
(32) 20.04.2020	C08K 11/00	WEHRLE, Johannes
(33) United States of America	(11) EP3650503	(31) 102013007926
<hr/>	(21) EP18204639.1	(32) 10.05.2013
(51) C08L 69/00	(47) 22.06.2022	(33) Germany
C08L 23/00	(22) 06.11.2018	<hr/>
C08L 51/00	(54) COLOUR COMPOSITION AND A	(51) C09D 5/33
C08L 57/00	FILLER FOR SUCH A COLOUR	(11) EP3383962
C08L 83/04	COMPOSITION	(21) EP16819357.1
(11) EP3409724	(73) Gebrüder Dorfner GmbH & Co. Kaolin-	(47) 22.06.2022
(21) EP18179149.2	und Kristallquarzsand-Werke KG	(87) GB2016053814
(47) 22.06.2022	(72) Kräuter, Reinhard	08.06.2017
(22) 22.08.2011	Kaltenecker, Oliver	(22) 02.12.2016
(54) CONTACTING PART MADE OF	Freund, Klaus-Jürgen	(54) REFLECTIVE COATING
A THERMOPLASTIC RESIN	<hr/>	(73) JBRD SA
COMPOSITION WITH REDUCED	(51) C09D 5/00	(72) BOULLE, Jean-Raymond
SQUEAKING NOISES	(11) EP3628706	THEOBALD, Michael

ANGENENT, Michael	(32) 16.11.2017	SATO Tomoharu
(31) 201521463	(33) United States of America	ITOH Hisanori
(32) 04.12.2015	(51) C09D 133/14	MATSUMOTO Takaji
(33) United Kingdom	C08F 220/30	OTSUKA Masashi
(51) C09D 11/101	C07C 69/76	OTAKE Masaya
B41M 7/00	G03F 7/00	(31) 2017001852
C09D 4/00	(11) EP3500637	(32) 10.01.2017
C09D 11/30	(21) EP17754699.1	(33) Japan
(11) EP3580287	(47) 22.06.2022	(51) C09K 3/30
(21) EP18703337.8	(87) EP2017070726	C09K 5/04
(47) 22.06.2022	22.02.2018	C08J 9/14
(87) EP2018053304	(22) 16.08.2017	(11) EP3253844
16.08.2018	(54) POLYMER COMPOSITIONS FOR SELF-	(21) EP16706084.7
(22) 09.02.2018	ASSEMBLY APPLICATIONS	(47) 22.06.2022
(54) ACRYLATE-BASED MONOMERS FOR	(73) Merck Patent GmbH	(87) US2016016327
USE AS REACTIVE DILUENTS IN	(72) WU, Hengpeng	11.08.2016
PRINTING FORMULATIONS	YIN, Jian	(22) 03.02.2016
(73) BASF SE	LIN, Guanyang	(54) COMPOSITIONS COMPRISING
(72) FLECKENSTEIN, Christoph	(31) 201662376793 P	Z-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE
BARO, Juergen	(32) 18.08.2016	AND USES THEREOF
MISSKE, Andrea	(33) United States of America	(73) The Chemours Company FC, LLC
BECK, Erich	(51) C09J 7/21	(72) KONTOMARIS, Konstantinos
KALLER, Martin	H02G 3/04	CREAZZO, Joseph Anthony
FLEISCHHAKER, Friederike	(11) EP3714018	MINOR, Barbara Haviland
(31) 17155623	(21) EP18759290.2	SUN, Xuehui
(32) 10.02.2017	(47) 22.06.2022	BALDYCHEV, Ivan Sergejevich
(33) European Patent Office (EPO)	(87) EP2018072652	PENG, Sheng
(51) C09D 11/52	31.05.2019	NAPPA, Mario Joseph
C09D 11/322	(22) 22.08.2018	(31) 201562153583 P
C09D 11/38	(54) ORANGE COLORING OF TEXTILE	201562113246 P
C09D 11/36	SUPPORTS TAKING INTO	(32) 28.04.2015
(11) EP3870659	CONSIDERATION TRANSITION	06.02.2015
(21) EP19791258.7	METAL-BASED PIGMENTS	(33) United States of America
(47) 22.06.2022	(73) Certoplast Technische Klebebänder	United States of America
(87) EP2019079049	GmbH	(51) C09K 5/04
30.04.2020	(72) LEERMANN, Timo	C10M 171/00
(22) 24.10.2019	RAMBUSCH, René	(11) EP3694948
(54) INKJET PRINTING PROCESS	(31) 202017107156 U	(21) EP18792760.3
(73) Luxembourg Institute of Science and	(32) 24.11.2017	(47) 22.06.2022
Technology (LIST)	(33) Germany	(87) US2018054087
(72) SETTE, Daniele	(51) C09K 3/00	18.04.2019
DEFAY, Emmanuel	A23L 27/20	(22) 03.10.2018
GODARD, Nicolas	A61K 8/42	(54) COMPOSITIONS CONTAINING
GLINSEK, Sebastjan	A61Q 5/02	DIFLUOROMETHANE,
(31) 100971	A61Q 11/00	TETRAFLUOROPROPENE, AND
(32) 25.10.2018	A61Q 19/10	CARBON DIOXIDE AND USES
(33) Luxembourg	C07C 233/60	THEREOF
(51) C09D 123/14	C07C 233/61	(73) The Chemours Company FC, LLC
C08L 23/08	A23F 3/40	(72) HUGHES, Joshua
F16L 58/04	A23F 5/46	MINOR, Barbara Haviland
F16L 58/18	A23G 3/34	(31) 201862625375 P
B32B 27/32	A23G 3/36	201762571472 P
B29C 45/14	A23G 4/06	(32) 02.02.2018
B29L 23/00	A23G 9/32	12.10.2017
B29L 31/24	A23L 2/38	(33) United States of America
(11) EP3710541	A23L 2/56	United States of America
(21) EP18807530.3	C12G 3/06	(51) C09K 9/02
(47) 22.06.2022	(11) EP3569671	G02F 1/1516
(87) US2018059720	(21) EP18739432.5	(11) EP3652235
23.05.2019	(47) 22.06.2022	(21) EP18832823.1
(22) 08.11.2018	(87) JP2018000208	(47) 22.06.2022
(54) METHOD FOR COATING A PIPELINE	19.07.2018	(87) US2018041681
FIELD JOINT	(22) 09.01.2018	17.01.2019
(73) Dow Global Technologies LLC	(54) METHYLMENTHOL DERIVATIVE	(22) 11.07.2018
(72) KUMAR, Bhawesh	AND COOL-SENSATION IMPARTER	(54) ELECTROCHROMIC POLYMER AND
BROWN, Mark W.	COMPOSITION CONTAINING SAME	SYNTHESIS AND USES THEREOF
MEHTA, Rujul M.	(73) Takasago International Corporation	(73) Furcifer Inc.
(31) 201762587093 P	(72) HARADA Makoto	(72) MEI, Jianguo

ZHOU, Yan	B01J 8/34	C10N 30/00
HE, Jiazhi	(11) EP3601484	C10N 40/04
(31) 201762532693 P	(21) EP18775530.1	C10N 70/00
(32) 14.07.2017	(47) 22.06.2022	(11) EP3495461
(33) United States of America	(87) US2018024273	(21) EP18197140.9
(51) C09K 11/06	04.10.2018	(47) 22.06.2022
H01L 51/00	(22) 26.03.2018	(22) 27.09.2018
(11) EP3844243	(54) VESSEL FOR REMOVING	(54) AUTOMOTIVE TRANSMISSION FLUID
(21) EP19756197.0	HYDROCARBONS ON CATALYST	COMPOSITIONS FOR IMPROVED
(47) 22.06.2022	(73) UOP LLC	ENERGY EFFICIENCY
(87) EP2019072670	(72) KRON, Kyle L.	(73) Infineum International Limited
05.03.2020	KIM, Minwoo	(72) KAH SAR, Laura Anderson
(22) 26.08.2019	SANDACZ, Michael S.	KIM, Hahnsoo
(54) MATERIALS FOR ORGANIC	(31) 201715476444	(31) 201715836990
ELECTROLUMINESCENT DEVICES	(32) 31.03.2017	(32) 11.12.2017
(73) Merck Patent GmbH	(33) United States of America	(33) United States of America
(72) LACKNER, Aaron	(51) C10G 45/08	(51) C10M 149/12
LINGE, Rouven	B01J 38/52	C10N 20/04
MEYER, Sebastian	B01J 23/85	C10N 20/00
RODRIGUEZ, Lara-Isabel	B01J 23/882	C10N 30/06
(31) 18191167	B01J 23/883	C10N 40/25
(32) 28.08.2018	B01J 23/94	(11) EP3492567
(33) European Patent Office (EPO)	B01J 38/60	(21) EP18203212.8
(51) C09K 11/06	B01J 38/62	(47) 22.06.2022
H01L 51/00	B01J 37/02	(22) 29.10.2018
C07D 307/77	B01J 31/02	(54) LUBRICATING OIL ADDITIVES
(11) EP3844242	(11) EP1680486	(73) Infineum International Limited
(21) EP19756194.7	(21) EP04765745.7	(72) Becer, Remzi
(47) 22.06.2022	(47) 22.06.2022	Phillips, Daniel
(87) EP2019072662	(87) EP2004010982	Strong, Anthony James
05.03.2020	21.04.2005	Cattoz, Beatrice
(22) 26.08.2019	(22) 30.09.2004	Hartweg, Manuel
(54) MATERIALS FOR ORGANIC	(54) PROCESS FOR ACTIVATING A	Schwarz, Andrew
ELECTROLUMINESCENT DEVICES	HYDROTREATING CATALYST	(31) 17204465
(73) Merck Patent GmbH	(73) Albemarle Netherlands B.V.	(32) 29.11.2017
(72) RODRIGUEZ, Lara-Isabel	Nippon Ketjen Co., Ltd	(33) European Patent Office (EPO)
LACKNER, Aaron	(72) KAMO, Tetsuro	(51) C10M 163/00
LINGE, Rouven	VAN HOUTERT, Franciscus, Wilhelmus	C10M 169/04
MEYER, Sebastian	JANSEN, Marcel, Adriaan	C10N 10/04
(31) 18191164	NISHIMOTO, Naohiro	C10N 20/04
(32) 28.08.2018	ADO, Toshiyuki	C10N 30/04
(33) European Patent Office (EPO)	(31) 516714 P	C10N 30/00
(51) C09K 11/66	03078071	C10N 40/25
C09K 11/77	(32) 03.11.2003	C10N 70/00
H05B 33/10	03.10.2003	(11) EP3222699
H01L 33/50	(33) United States of America	(21) EP17159948.3
H01L 33/52	European Patent Office (EPO)	(47) 22.06.2022
B29C 41/22	(51) C10L 1/04	(22) 08.03.2017
B29C 39/02	C10G 69/04	(54) ADDITIVE CONCENTRATES
H01L 33/48	(11) EP3640316	(73) Infineum International Limited
H01L 33/62	(21) EP19215875.6	(72) Marsh, Adam
(11) EP3617291	(47) 22.06.2022	Woodward, Philip James
(21) EP19193543.6	(22) 30.06.2016	(31) 16161585
(47) 22.06.2022	(54) HYDROCARBON COMPOSITION	(32) 22.03.2016
(22) 26.08.2019	(73) ExxonMobil Research and Engineering	(33) European Patent Office (EPO)
(54) METHOD OF MANUFACTURING LIGHT	Company	(51) C10M 171/02
EMITTING DEVICE	(72) KAR, Kenneth Chi Hang	C10M 101/02
(73) Nichia Corporation	RUBIN-PITEL, Sheryl B.	C10N 20/02
(72) NAKANO, Makoto	BROWN, Stephen H.	C10N 30/02
NAKATA, Kenji	BARRAI, Federico	C10N 30/08
(31) 2019090621	CUNNINGHAM, Brian A.	C10N 40/02
2018158528	(31) 201562186678 P	C10N 40/04
(32) 13.05.2019	(32) 30.06.2015	C10N 40/25
27.08.2018	(33) United States of America	C10N 30/04
(33) Japan	(51) C10M 141/08	C10N 30/00
Japan	C10M 141/10	(11) EP3645688
(51) C10G 11/18	C10M 161/00	(21) EP18734961.8
B01J 19/32	C10N 30/06	(47) 22.06.2022

(87) IB2018054001	27.08.2020	C12N 5/074
03.01.2019	(22) 27.01.2020	C12N 5/0789
(22) 05.06.2018	(54) AN EXTRUDED SOAP BAR WITH HIGH	B01L 3/00
(54) LUBRICATING OIL COMPOSITION	WATER CONTENT	G01N 33/50
(73) Chevron Oronite Company LLC	(73) Unilever IP Holdings B.V.	(11) EP3548606
(72) BROWN, Martin Joseph	(72) BANKAR, Pravin	(21) EP17877051.7
PALAZZOTTO, John Dominic	MURTHY KAMSU, Venkata,	(47) 22.06.2022
(31) 201715634623	Satyanarayana	(87) US2017062840
(32) 27.06.2017	SETHNA, Simone	07.06.2018
(33) United States of America	(31) 19157900	(22) 21.11.2017
(51) C10M 177/00	(32) 19.02.2019	(54) IN VITRO GASTROINTESTINAL
F01M 1/08	(33) European Patent Office (EPO)	MODEL COMPRISING LAMINA
F01M 9/02	(51) C11D 9/00	PROPRIA-DERIVED CELLS
F16N 7/40	C11D 9/10	(73) Emulate, Inc.
C10N 30/00	C11D 9/22	(72) KERNS, S., Jordan
C10N 30/02	C11D 9/26	KASENDRA, Magdalena
C10N 40/25	C11D 17/00	OBRIGEWITCH, Jenifer
(11) EP3341595	(11) EP3927804	SALMON, Michael
(21) EP16838609.2	(21) EP20703054.5	(31) 201662429436 P
(47) 22.06.2022	(47) 22.06.2022	(32) 02.12.2016
(87) DK2016050286	(87) EP2020053338	(33) United States of America
02.03.2017	27.08.2020	(51) C12N 5/071
(22) 24.08.2016	(22) 10.02.2020	C12N 5/077
(54) METHOD AND APPARATUS FOR	(54) HIGH WATER HARD BARS	(11) EP3133149
PREPARING AN OIL TO BE SUPPLIED	COMPRISING COMBINATION OF TYPE	(21) EP15779733.3
TO THE CYLINDERS OF A TWO-	AND AMOUNT OF ELECTROLYTES	(47) 22.06.2022
STROKE CROSSHEAD ENGINE	(73) Unilever IP Holdings B.V.	(87) JP2015061893
(73) A.P. Møller - Mærsk A/S	(72) ALVES DE MATTOS, Rodrigo	22.10.2015
(72) EMBLETON, Mark	OURA, Enio, Mitsuki	(22) 17.04.2015
BAK WEIMAR, Henrik	LEOPOLDINO, Sergio, Roberto	(54) METHOD FOR PREPARING
OLSSON, Martin	BORTOLAI, Gislene, Splendore	OSTEOBLASTS AND OSTEOBLAST
(31) 201500497	YAROVOY, Yuriy, Konstantinovich	INDUCER
(32) 24.08.2015	(31) 19157894	(73) Kyoto Prefectural Public University
(33) Denmark	(32) 19.02.2019	Corporation
(51) C11D 3/18	(33) European Patent Office (EPO)	(72) KISHIDA, Tsunao
A61K 8/34	(51) C12M 1/00	YAMAMOTO, Kenta
A61K 8/92	B01D 43/00	MAZDA, Osam
C11D 3/20	B01D 21/28	YAMAMOTO, Toshiro
C11D 1/66	C12M 1/26	(31) 2014086757
C11D 1/74	(11) EP3341463	(32) 18.04.2014
(11) EP3775134	(21) EP16725630.4	(33) Japan
(21) EP19713986.8	(47) 22.06.2022	(51) C12N 5/0735
(47) 22.06.2022	(87) US2016029382	C12N 5/079
(87) US2019022221	09.03.2017	(11) EP2410044
10.10.2019	(22) 26.04.2016	(21) EP11174158.3
(22) 14.03.2019	(54) ACOUSTIC PERFUSION DEVICES	(47) 22.06.2022
(54) AQUEOUS CLEANING FORMULATION	(73) Flodesign Sonics, Inc.	(22) 29.12.2005
(73) Dow Global Technologies, LLC	(72) KENNEDY, III, Thomas J.	(54) Stem cells culture systems
Rohm and Haas Company	CHITALE, Kedar	(73) HADASIT MEDICAL RESEARCH
(72) BUTTERICK, Robert	MILLER, Erik	SERVICES AND DEVELOPMENT LTD.
KEENAN, Andrea C.	PRESZ, JR., Walter M.	(72) Ben Shushan, Etti
BACKER, Scott	ROSS-JOHNSRUD, Benjamin	Tannenbaum, Shelly
MILLER, Daniel S.	LIPKENS, Bart	Banin, Eyal
DAUGS, Edward D.	WINIARSKI, Lauryn	Itsykson, Pavel
TUCKER, Christopher J.	(31) 201514975307	Reubinoff, Benjamin
(31) 201862652388 P	201562256952 P	(31) 639809 P
(32) 04.04.2018	201562243211 P	(32) 29.12.2004
(33) United States of America	201562211057 P	(33) United States of America
(51) C11D 7/14	(32) 18.12.2015	(51) C12N 5/0783
C11D 9/10	18.11.2015	C12N 5/10
C11D 9/18	19.10.2015	A61K 35/17
C11D 9/22	28.08.2015	C07K 16/28
C11D 13/18	(33) United States of America	C12N 15/13
C11D 17/00	United States of America	(11) EP3253865
(11) EP3927803	United States of America	(21) EP16746922.0
(21) EP20701345.9	United States of America	(47) 22.06.2022
(47) 22.06.2022	(51) C12N 5/02	(87) SG2016050063
(87) EP2020051915	C12N 5/071	11.08.2016

(22) 05.02.2016	13153839	(51) C12N 15/113
(54) METHODS FOR ENHANCING EFFICACY OF THERAPEUTIC IMMUNE CELLS	13153837 13153836 13153835	C12N 15/63 (11) EP3498845
(73) National University of Singapore	13153834	(21) EP18204734.0
(72) CAMPANA, Dario	13153831	(47) 22.06.2022
KAMIYA, Takahiro	13153829	(22) 01.04.2015
(31) 201562130970 P	13153824	(54) CRISPR/CAS-RELATED METHODS AND COMPOSITIONS FOR TREATING HERPES SIMPLEX VIRUS TYPE 1 (HSV-1)
201562112765 P	(32) 26.02.2013	(73) Editas Medicine, Inc.
(32) 10.03.2015	26.02.2013	(72) FRIEDLAND, Ari E.
06.02.2015	26.02.2013	BUMCROT, David A.
(33) United States of America	26.02.2013	WELSTEAD, G. Grant
United States of America	26.02.2013	MAEDER, Morgan L.
(51) C12N 9/22	26.02.2013	(31) 201461973793 P
C12P 19/34	26.02.2013	(32) 01.04.2014
C40B 30/04	26.02.2013	(33) United States of America
C40B 40/06	26.02.2013	
C12Q 1/68	26.02.2013	(51) C12N 15/63
C12Q 1/6834	26.02.2013	C07K 14/705
C12Q 1/6832	26.02.2013	A61P 27/02
C12Q 1/6818	26.02.2013	(11) EP3350330
(11) EP3800249	26.02.2013	(21) EP16770708.2
(21) EP20198764.1	26.02.2013	(47) 22.06.2022
(47) 22.06.2022	04.02.2013	(87) EP2016071558
(22) 08.02.2017	04.02.2013	23.03.2017
(54) DETECTION OF NUCLEIC ACIDS	04.02.2013	(22) 13.09.2016
(73) The Regents of The University of Michigan	04.02.2013	(54) NOVEL THERAPEUTICAL TOOLS AND METHODS FOR TREATING BLINDNESS BY TARGETING PHOTORECEPTORS
(72) WALTER, Nils	04.02.2013	(73) Friedrich Miescher Institute for Biomedical Research
JOHNSON-BUCK, Alexander	04.02.2013	(72) NELIDOVA, Dasha
TEWARI, Muneesh	04.02.2013	ROSKA, Botond
(31) 201662293589 P	04.02.2013	JUETTNER, Josephine
(32) 10.02.2016	04.02.2013	(31) 15185327
(33) United States of America	04.02.2013	(32) 15.09.2015
(51) C12N 9/24	04.02.2013	(33) European Patent Office (EPO)
C12R 1/645	04.02.2013	
(11) EP3686280	04.02.2013	(51) C12P 19/14
(21) EP20154581.1	04.02.2013	C12P 19/12
(47) 22.06.2022	(33) European Patent Office (EPO)	C13K 13/00
(22) 03.02.2014	European Patent Office (EPO)	C12N 9/42
(54) CARBOHYDRATE DEGRADING POLYPEPTIDE AND USES THEREOF	European Patent Office (EPO)	(11) EP3438272
(73) DSM IP Assets B.V.	European Patent Office (EPO)	(21) EP17775453.8
(72) LOS, Alrik Pieter	European Patent Office (EPO)	(47) 22.06.2022
APPELDOORN, Maaïke	European Patent Office (EPO)	(87) JP2017013380
DE JONG, René Marcel	European Patent Office (EPO)	05.10.2017
(31) 13156703	European Patent Office (EPO)	(22) 30.03.2017
13156690	European Patent Office (EPO)	(54) METHOD FOR PRODUCING XYLO-OLIGOSACCHARIDE
13156702	European Patent Office (EPO)	(73) Toray Industries, Inc.
13156682	European Patent Office (EPO)	(72) KASAHARA, Takuya
13156701	European Patent Office (EPO)	YAMADA, Katsushige
13156688	European Patent Office (EPO)	KURIHARA, Hiroyuki
13156698	European Patent Office (EPO)	YAMADA, Chiaki
13156678	European Patent Office (EPO)	(31) 2016070758
13156696	European Patent Office (EPO)	(32) 31.03.2016
13156685	European Patent Office (EPO)	(33) Japan
13156694	European Patent Office (EPO)	(51) C12P 21/02
13156679	European Patent Office (EPO)	C12M 1/00
13156693	European Patent Office (EPO)	C07K 5/083
13156684	European Patent Office (EPO)	(11) EP3049530
13156692	European Patent Office (EPO)	(21) EP14777515.9
13153833	European Patent Office (EPO)	(47) 22.06.2022
13153821	European Patent Office (EPO)	(87) EP2014002520
13153823	European Patent Office (EPO)	02.04.2015
13153825	European Patent Office (EPO)	(22) 17.09.2014
13153828	European Patent Office (EPO)	
13153841	European Patent Office (EPO)	
13153840	European Patent Office (EPO)	

<p>(54) METHOD FOR CELL-FREE PROTEIN SYNTHESIS IN THE PRESENCE OF A CASPASE INHIBITOR</p> <p>(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.</p> <p>(72) KUBICK, Stefan QUAST, Robert WÜSTENHAGEN, Doreen STECH, Marlitt</p> <p>(31) 102013020900 102013015977</p> <p>(32) 11.12.2013 25.09.2013</p> <p>(33) Germany Germany</p> <hr/> <p>(51) C12Q 1/37 C07K 14/47 G01N 33/50 C07K 14/33 C12N 9/52</p> <p>(11) EP3529371 (21) EP17794256.2 (47) 22.06.2022 (87) EP2017076762 26.04.2018 (22) 19.10.2017</p> <p>(54) A FUNCTIONAL DETECTION ASSAY DEVOID OF ANTIBODIES FOR SEROTYPING OF BOTULINUM NEUROTOXINS</p> <p>(73) Toxogen GmbH</p> <p>(72) RUMMEL, Andreas WEISEMANN, Jasmin</p> <p>(31) 16195083 (32) 21.10.2016 (33) European Patent Office (EPO)</p> <hr/> <p>(51) C12Q 1/66 (11) EP3394285 (21) EP16820240.6 (47) 22.06.2022 (87) EP2016081893 29.06.2017 (22) 20.12.2016</p> <p>(54) MICROBIAL CELL VIABILITY ASSAY FOR DETECTION OF OR DETERMINING SLURRY CONTAMINATION</p> <p>(73) Omya International AG</p> <p>(72) BRÜLSAUER, Karin GLAUBITZ, Joachim RUPP, Katharina</p> <p>(31) 201562272152 P 15202170 (32) 29.12.2015 22.12.2015</p> <p>(33) United States of America European Patent Office (EPO)</p> <hr/> <p>(51) C12Q 1/68 C12P 19/34 C12N 15/10</p> <p>(11) EP3186399 (21) EP15837033.8 (47) 22.06.2022 (87) US2015046519 03.03.2016 (22) 24.08.2015</p>	<p>(54) METHODS FOR RAPID AND SENSITIVE DETECTION OF HOTSPOT MUTATIONS</p> <p>(73) Duke University</p> <p>(72) YAN, Hai BIGNER, Darell YANG, Rui HANSEN, Landon HE, Yiping DIPLAS, Bill H.</p> <p>(31) 201462041197 P (32) 25.08.2014 (33) United States of America</p> <hr/> <p>(51) C12Q 1/6806 G01N 33/48 G01N 33/50</p> <p>(11) EP3430169 (21) EP17767427.2 (47) 22.06.2022 (87) US2017022502 21.09.2017 (22) 15.03.2017</p> <p>(54) METHODS OF MULTI-ASSAY PROCESSING AND ANALYSIS</p> <p>(73) Abbott Molecular Inc.</p> <p>(72) KESSLER, Jack PAWLOWSKI, Frank SKINNER, Joseph, P. NANA, Sonal, Sadaria</p> <p>(31) 201662308625 P (32) 15.03.2016 (33) United States of America</p> <hr/> <p>(51) C12Q 1/6818 G06Q 10/08</p> <p>(11) EP3516079 (21) EP17853744.5 (47) 22.06.2022 (87) US2017052234 29.03.2018 (22) 19.09.2017</p> <p>(54) MOLECULAR PRODUCT AUTHENTICATION SYSTEMS</p> <p>(73) President and Fellows of Harvard College</p> <p>(72) YIN, Peng KIM, Jongmin KISHI, Jocelyn, Yoshiko SCHAUS, Thomas, E. STRASSMANN, Steven, Henry</p> <p>(31) 201762502522 P 201662407331 P 201662396932 P (32) 05.05.2017 12.10.2016 20.09.2016</p> <p>(33) United States of America United States of America United States of America</p> <hr/> <p>(51) C12Q 1/6869 C12Q 1/6806</p> <p>(11) EP3456846 (21) EP18201501.6 (47) 22.06.2022 (22) 17.04.2015</p> <p>(54) SYSTEMS AND METHODS FOR BARCODING NUCLEIC ACID</p> <p>(73) President and Fellows of Harvard College</p>	<p>Vilnius University</p> <p>(72) Mazutis, Linas Klein, Allon Moshe Weitz, David A. Akartuna, Ilke Kirschner, Marc W.</p> <p>(31) 201462072944 P 201462066188 P 201462065348 P 201461982001 P</p> <p>(32) 30.10.2014 20.10.2014 17.10.2014 21.04.2014</p> <p>(33) United States of America United States of America United States of America United States of America</p> <hr/> <p>(51) C12Q 1/6869 C12Q 1/6806</p> <p>(11) EP3662085 (21) EP18841428.8 (47) 22.06.2022 (87) US2018045419 07.02.2019 (22) 06.08.2018</p> <p>(54) SEQUENCING OUTPUT DETERMINATION AND ANALYSIS WITH TARGET-ASSOCIATED MOLECULES IN QUANTIFICATION ASSOCIATED WITH BIOLOGICAL TARGETS</p> <p>(73) Billiontoone, Inc.</p> <p>(72) TSAO, David ATAY, Oguzhan</p> <p>(31) 201762541565 P (32) 04.08.2017 (33) United States of America</p> <hr/> <p>(51) C12Q 1/6886 C12Q 1/6858</p> <p>(11) EP3825421 (21) EP20205138.9 (47) 22.06.2022 (22) 24.03.2015</p> <p>(54) DETECTION OF GENE FUSIONS BY INTRAGENIC DIFFERENTIAL EXPRESSION (IDE) USING AVERAGE CYCLE THRESHOLDS</p> <p>(73) Quest Diagnostics Investments Incorporated</p> <p>(72) Cheng, Shih-Min</p> <p>(31) 201461969897 P (32) 25.03.2014 (33) United States of America</p> <hr/> <p>(51) C12Q 1/6886 G01N 33/574</p> <p>(11) EP3556870 (21) EP19173920.0 (47) 22.06.2022 (22) 25.07.2011</p> <p>(54) METHOD FOR USING GENE EXPRESSION TO DETERMINE PROGNOSIS OF PROSTATE CANCER</p> <p>(73) Genomic Health, Inc.</p> <p>(72) PELHAM, Robert GODDARD, Audrey COWENS, Wayne CHERBAVAZ, Diana</p>
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BAKER, Joffre B.	C22C 38/32	(11) EP3688200
CRAGER, Michael	C22C 38/38	(21) EP18789316.9
KIEFER, Michael C.	C22C 38/60	(47) 22.06.2022
BAEHNER, Frederick L.	B32B 15/01	(87) AT2018000071
LEE, Mark	(11) EP3730635	04.04.2019
MADDALA, Tara	(21) EP18890761.2	(22) 07.09.2018
SHAK, Steven	(47) 22.06.2022	(54) MOLYBDENUM SINTERED PART AND METHOD OF MANUFACTURING
(31) 201161485536 P	(87) KR2018011679	(73) Plansee SE
41431010 P	27.06.2019	(72) STORF, Robert
36821710 P	(22) 02.10.2018	O'SULLIVAN, Michael
(32) 12.05.2011	(54) HIGH-STRENGTH STEEL SHEET HAVING EXCELLENT IMPACT PROPERTIES AND FORMABILITY AND METHOD FOR MANUFACTURING	HUBER, Karl
16.11.2010	SAME	EIDENBERGER-SCHOBER, Michael
27.07.2010	(73) POSCO	(31) 21717 U
(33) United States of America	(72) CHOI, Kang-Hyun	(32) 29.09.2017
United States of America	AHN, Yeon-Sang	(33) Austria
United States of America	SEO, Chang-Hyo	(51) C22C 9/00
(51) C12Q 1/689	(31) 20170177910	C22F 1/08
(11) EP3523447	(32) 22.12.2017	H01B 1/02
(21) EP17786854.4	(33) Korea (Republic)	C22F 1/00
(47) 22.06.2022	(51) C21D 9/46	H01B 5/02
(87) EP2017075265	(11) EP2737093	(11) EP3550043
12.04.2018	(21) EP12817056.0	(21) EP17876398.3
(22) 04.10.2017	(47) 22.06.2022	(47) 22.06.2022
(54) A METHOD FOR THE DETECTION OF LEGIONELLA	(87) CA2012000700	(87) JP2017037927
(73) National University of Ireland Galway	31.01.2013	07.06.2018
(72) MINOGUE, Elizabeth	(22) 25.07.2012	(22) 20.10.2017
BARRY, Thomas	(54) PRODUCT AND PROCESS BY LOCALIZED HEAT TREATMENT OF SHEET STEEL	(54) COPPER ALLOY WIRE ROD
REDDINGTON, Kate	(73) Magna International Inc.	(73) Furukawa Electric Co., Ltd.
(31) 16192489	(72) AMTMANN, Maximilian	(72) MITOSE Kengo
(32) 05.10.2016	SHULKIN, Boris	SEKIYA Shigeki
(33) European Patent Office (EPO)	VAN GELDER, Aldo	(31) 2016234460
(51) C12Q 1/70	GU, Hongping	(32) 01.12.2016
C12Q 1/6806	(31) 201161511283 P	(33) Japan
(11) EP3768866	(32) 25.07.2011	(51) C22C 13/02
(21) EP19730853.9	(33) United States of America	C22C 13/00
(47) 22.06.2022	(51) C22B 7/00	B23K 35/26
(87) EP2019066374	C22B 26/12	(11) EP3476520
26.12.2019	C01D 15/08	(21) EP17910490.6
(22) 20.06.2019	C01G 53/00	(47) 22.06.2022
(54) METHOD FOR DISCRIMINATING BETWEEN LIVE AND DEAD MICROBES IN A SAMPLE	H01M 10/54	(87) JP2017033364
(73) PathoQuest	H01M 10/052	21.03.2019
(72) ELOIT, Marc	H01M 4/525	(22) 14.09.2017
BEURDELEY, Pascale	H01M 4/505	(54) LEAD-FREE SOLDER ALLOY, ELECTRONIC CIRCUIT BOARD, AND ELECTRONIC CONTROL DEVICE
CRUVEILLER, Stéphane	(11) EP3715486	(73) Tamura Corporation
(31) 19305439	(21) EP20166436.4	(72) ARAI Masaya
18305777	(47) 22.06.2022	NAKANO Takeshi
(32) 03.04.2019	(22) 27.03.2020	MUNEKAWA Yurika
20.06.2018	(54) METHOD FOR REGENERATING LITHIUM PRECURSOR	HORI Atsushi
(33) European Patent Office (EPO)	(73) SK Innovation Co., Ltd.	KATSUYAMA Tsukasa
European Patent Office (EPO)	(72) LA, Yeon Hwa	(51) C22C 21/12
(51) C21D 8/04	HA, Dong Wook	C22C 21/16
C21D 9/46	(31) 20190035139	C22F 1/057
C21D 8/02	(32) 27.03.2019	C22C 21/14
C22C 38/02	(33) Korea (Republic)	(11) EP3728667
C22C 38/04	(51) C22C 1/04	(21) EP18833951.9
C22C 38/06	C22C 27/04	(47) 22.06.2022
C23C 2/02	B22F 5/00	(87) FR2018053316
C23C 2/28	C22F 1/16	27.06.2019
C23C 2/40	B22F 3/02	(22) 17.12.2018
C23C 2/06	B22F 3/04	(54) IMPROVED PROCESS FOR MANUFACTURING SHEETS MADE OF ALUMINIUM-COPPER-LITHIUM ALLOY FOR AIRCRAFT FUSELAGE MANUFACTURE AND CORRESPONDING SHEET
C21D 6/00	B22F 3/10	
C22C 38/00	B22F 3/12	
C22C 38/22		
C22C 38/26		
C22C 38/28		

(73) Constellium Isoire	(54) TI-NB ALLOY SPUTTERING TARGET	H01M 8/124
(72) LORENZINO, Pablo	AND METHOD FOR MANUFACTURING	(11) EP3835455
(31) 1762674	SAME	(21) EP20212884.9
(32) 20.12.2017	(73) JX Nippon Mining & Metals Corporation	(47) 22.06.2022
(33) France	(72) ODA, Kunihiro	(22) 09.12.2020
(51) C23C 2/12	ASANO, Takayuki	(54) CLAMPING PLATE INCORPORATING
C22C 18/04	(31) 2016062545	A HEATING ELEMENT AND
C22C 21/10	(32) 25.03.2016	ELECTROCHEMICAL DEVICE
C23C 2/06	(33) Japan	COMPRISING IT
C23C 2/40	(51) C23C 22/86	(73) Commissariat à l'Energie Atomique et
(11) EP3508610	C23C 22/34	aux Energies Alternatives
(21) EP17846291.7	C23C 22/46	(72) ROUX, Guilhem
(47) 22.06.2022	(11) EP3715504	PLANQUE, Michel
(87) JP2017030323	(21) EP18880271.4	(31) 1914273
08.03.2018	(47) 22.06.2022	(32) 12.12.2019
(22) 24.08.2017	(87) JP2018043073	(33) France
(54) HOT-DIP AL-ZN ALLOY COATED	31.05.2019	(51) C30B 11/00
STEEL SHEET	(22) 21.11.2018	C30B 15/00
(73) JFE Steel Corporation	(54) METHOD FOR PRODUCING	C30B 29/12
(72) YOSHIDA, Masahiro	CONVERSION-TREATED ALLOY	C09K 11/77
MATSUZAKI, Akira	MATERIAL AND DEVICE FOR	(11) EP2984213
(31) 2016172945	REGENERATING CONVERSION	(21) EP14722265.7
(32) 05.09.2016	TREATMENT SOLUTION USED	(47) 22.06.2022
(33) Japan	IN METHOD FOR PRODUCING	(87) FR2014050893
(51) C23C 14/06	CONVERSION-TREATED ALLOY	16.10.2014
C23C 14/32	MATERIAL	(22) 11.04.2014
C23C 14/54	(73) Nippon Steel Corporation	(54) PRODUCTION OF AN ELPASOLITE-
C23C 28/04	(72) TSUTO, Akira	TYPE SCINTILLATOR MATERIAL
(11) EP3239349	MATSUMOTO, Keishi	(73) SAINT-GOBAIN CRISTAUX &
(21) EP16167040.1	IWATA, Sayuri	DETECTEURS
(47) 22.06.2022	MIYAJIMA, Makoto	(72) BLAHUTA, Samuel
(22) 26.04.2016	TAKAGI, Takamitsu	HUCHET, Raphaël
(54) WEAR RESISTANT TETRAHEDRAL	(31) 2018076359	OUSPENSKI, Vladimir
DIAMOND LIKE CARBON LAYER	2017226309	LEJAY, Julien
(73) IHI Ionbond AG	(32) 11.04.2018	(31) 1353354
(72) Dolchinkov, Ivailo	24.11.2017	(32) 12.04.2013
Van der Kolk, Gerrit-Jan	(33) Japan	(33) France
(51) C23C 14/22	Japan	(51) D01F 6/60
C23C 14/34	(51) C23C 26/00	D01F 1/10
C23C 14/14	B21B 1/02	(11) EP3440243
C23C 14/50	B21B 3/00	(21) EP16723237.0
(11) EP3587619	B22D 21/06	(47) 22.06.2022
(21) EP18179694.7	B22D 29/00	(87) IB2016000432
(47) 22.06.2022	C22C 14/00	26.05.2016
(22) 25.06.2018	C22F 1/18	(22) 04.04.2016
(54) AN APPARATUS FOR DEPOSITING	B22D 21/00	(54) BIODEGRADABLE POLYAMIDE FIBER,
MATERIAL ON THE SURFACE OF A	(11) EP3202952	PROCESS FOR OBTAINING SUCH
SUBSTRATE	(21) EP14903122.1	FIBER AND POLYAMIDE ARTICLE
(73) Deutsches Elektronen-Synchrotron	(47) 22.06.2022	MADE THEREFROM
DESY	(87) JP2014076084	(73) Rhodia Poliamida e Especialidades S.A.
(72) Schlage Kai	07.04.2016	(72) HANSU PAK, Pierre
Röhlsberger Ralf	(22) 30.09.2014	REDONDO BONALDI, Renata
Gurieva Tatiana	(54) TITANIUM CAST PRODUCT UNLIKELY	MACRET, Richard
Willing Svenja	TO EXHIBIT SURFACE DEFECTS AND	GORESCU, Gabriel
Bocklage Lars	METHOD OF MANUFACTURING THE	(51) D04B 27/08
Siemens Andrey	SAME	(11) EP3819414
Adolff Christian	(73) Nippon Steel Corporation	(21) EP19834088.7
(51) C23C 14/34	(72) KUNIEDA, Tomonori	(47) 22.06.2022
C22C 1/02	FUJII, Hideki	(87) CN2019080811
C22F 1/00	TATSUZAWA, Yoshitsugu	16.01.2020
C22F 1/18	(51) C25B 1/04	(22) 01.04.2019
(11) EP3418422	C25B 9/19	(54) NEEDLE SELECTION APPARATUS
(21) EP17770342.8	C25B 9/70	AND METHOD FOR LATCH NEEDLE
(47) 22.06.2022	C25B 15/08	WARP KNITTING MACHINE
(87) JP2017011696	H01M 8/04007	(73) Tiangong University
28.09.2017	H01M 8/2457	(72) LI, Meiqi
(22) 23.03.2017	H01M 8/248	YANG, Kun
	H01M 8/00	(31) 201810766816

(32) 13.07.2018	F25D 23/02	(21) EP17834166.5
(33) China	F25D 23/06	(47) 22.06.2022
(51) D04B 27/26	(11) EP3636866	(87) JP2017026368
D04B 27/08	(21) EP19200991.8	01.02.2018
(11) EP3933084	(47) 22.06.2022	(22) 20.07.2017
(21) EP20182789.6	(22) 02.10.2019	(54) INKJET TEXTILE PRINTING METHOD,
(47) 22.06.2022	(54) A HOUSEHOLD APPLIANCE HAVING A	COLORED COMPOSITION, INKJET
(22) 29.06.2020	PART BEING RELEASABLY ATTACHED	INK, INK CARTRIDGE, AND DYE
(54) WARP KNITTING MACHINE WITH A	(73) BSH Hausgeräte GmbH	POLYMER
DIRECTION CHANGING GEAR	(72) Caglin, Muharrem Ümit	(73) FUJIFILM Corporation
(73) KARL MAYER STOLL R&D GmbH	Uysal, Özgür	(72) FUJIE, Yoshihiko
(72) List, Jürgen	Ilman, Ercan	TANI, Yukio
Al Ahmad, Ahmad	(31) 201815130	(31) 2016148850
(51) D05C 7/10	(32) 12.10.2018	(32) 28.07.2016
B23K 26/02	(33) Turkey	(33) Japan
D06C 23/02	(51) D06F 81/02	(51) D21H 13/36
(11) EP3467178	D06F 79/02	C08J 5/18
(21) EP18198575.5	D06F 73/00	C08J 5/24
(47) 22.06.2022	(11) EP3853405	D04H 1/413
(22) 04.10.2018	(21) EP20715396.6	D21H 13/02
(54) APPARATUS FOR MAKING	(47) 22.06.2022	D21H 13/10
DECORATIONS ON AT LEAST ONE	(87) EP2020059753	D21H 21/56
SHEET-LIKE MEDIUM AND PROCESS	15.10.2020	D21H 13/50
FOR CALIBRATING SAID APPARATUS	(22) 06.04.2020	D21H 21/54
(73) Seit Elettronica Srl	(54) STAND STEAMER WITH PIVOTABLE	(11) EP3741913
(72) CODELLO, Edoardo	BOARD	(21) EP19896596.4
(31) 201700111446	(73) Koninklijke Philips N.V.	(47) 22.06.2022
(32) 04.10.2017	(72) SIN, Hee, Poh	(87) JP2019047711
(33) Italy	MA, Kok, Wah	18.06.2020
(51) D06F 31/00	LIM, Lid, Jlen	(22) 05.12.2019
C11D 11/00	(31) 19179886	(54) WEB, STAMPABLE SHEET, AND
(11) EP3458637	19167721	EXPANSION MOLDED PRODUCT
(21) EP17800342.2	(32) 13.06.2019	(73) K-Plasheet Corporation
(47) 22.06.2022	08.04.2019	TOYOTA BOSHOKU KABUSHIKI
(87) US2017033877	(33) European Patent Office (EPO)	KAISHA
23.11.2017	European Patent Office (EPO)	(72) TAKAGI, Tsutomu
(22) 22.05.2017	(51) D06F 87/00	ARAKI, Yutaka
(54) METHOD OF WASHING FABRIC	D06F 75/12	HANATANI, Seiji
ARTICLES IN A CONTINUOUS BATCH	D06F 73/00	HATTORI, Atsuhiko
TUNNEL WASHER	(11) EP3467193	YASUMI, Tadaaki
(73) Pellerin Milnor Corporation	(21) EP18198085.5	(31) 2018233906
(72) POY, Russell, H.	(47) 22.06.2022	(32) 13.12.2018
(31) 201662339457 P	(22) 02.10.2018	(33) Japan
(32) 20.05.2016	(54) CREASE REMOVAL DEVICE FITTED	(51) E01B 19/00
(33) United States of America	WITH A STEAM CHAMBER PROVIDED	E01B 21/02
(51) D06F 39/08	WITH A CLEANING OPENING	E01C 9/04
D06F 37/26	(73) SEB S.A.	E01C 9/06
(11) EP2935680	(72) GELUS, Dominique	(11) EP3337926
(21) EP13805933.2	(31) 1759361	(21) EP16757196.7
(47) 22.06.2022	(32) 05.10.2017	(47) 22.06.2022
(87) EP2013076986	(33) France	(87) EP2016069400
26.06.2014	(51) D06P 5/00	23.02.2017
(22) 17.12.2013	B41J 2/01	(22) 16.08.2016
(54) IMPROVED DISCHARGE SYSTEM FOR	C08G 18/32	(54) DEVICE FOR COVERING AT
LAUNDRY TREATMENT APPLIANCE	C09B 67/20	LEAST ONE COMPONENT OF A
(73) Electrolux Home Products Corporation	C09B 69/10	RAIL FASTENING DEVICE FOR A
N.V.	C09D 11/328	FASTENING POINT, AND FASTENING
(72) BONDI, Martino	D06P 1/16	DEVICE
PESSOT, Marco	D06P 5/20	(73) Vossloh Fastening Systems GmbH
PEROSA, Vittorio	C09B 11/28	(72) RADEMACHER, Lutz
CINELLO, Mauro	D06P 5/30	AYDOGAN, Osman
(31) 12198906	C08G 18/73	GNACZYNSKI, Martin
(32) 21.12.2012	C08G 18/08	JONCA, Michael
(33) European Patent Office (EPO)	C08G 18/22	BEDNARCZYK, Adrian
(51) D06F 39/14	D06P 1/00	(31) 102015113742
E05F 5/02	C08G 18/38	(32) 19.08.2015
F24C 15/02	B41J 2/175	(33) Germany
(11) EP3492651	(51) E01C 5/00	

E01C 5/06	Germany	(33) United States of America
(11) EP3830339	(51) E02D 7/18	(51) E02F 3/04
(21) EP19789577.4	E02D 11/00	B65G 47/40
(47) 22.06.2022	(11) EP3109365	B65G 17/12
(87) DE2019000197	(21) EP16171351.6	(11) EP3108067
06.02.2020	(47) 22.06.2022	(21) EP15752328.3
(22) 23.07.2019	(22) 25.05.2016	(47) 22.06.2022
(54) PAVING STONE AND PAVING PRODUCED USING SAME	(54) METHOD FOR CONTROLLING A VIBRATION RAMMER	(87) US2015016795
(73) Schröder, Detlef	(73) Liebherr-Werk Nenzing GmbH	27.08.2015
(72) Schröder, Detlef	(72) Kaufmann, Gerhard	(22) 20.02.2015
(31) 102018006064	Schwarzahns, Andreas	(54) A METHOD OF MAKING A PLURALITY OF BUCKETS FOR A BUCKET
(32) 01.08.2018	Jussel, Patrick	ELEVATOR
(33) Germany	(31) 102015008015	(73) Tapco, Inc.
(51) E01C 23/22	(32) 22.06.2015	(72) TAYLOR, Paul D.
(11) EP3760792	(33) Germany	(31) 201414186769
(21) EP20189799.8	(51) E02D 23/00	(32) 21.02.2014
(47) 22.06.2022	E02D 23/02	(33) United States of America
(22) 09.01.2018	E02D 23/08	(51) E02F 3/34
(54) ELECTRIC LINE STRIPER	E02D 25/00	(11) EP2280122
(73) Graco Minnesota Inc.	E02B 3/06	(21) EP10171189.3
(72) SCHROEDER, James C.	E02B 3/14	(47) 22.06.2022
SHULTZ, Mark D.	(11) EP3505683	(22) 29.07.2010
LARSEN, David M.	(21) EP16914284.1	(54) VERTICAL LIFT ARM DEVICE
(31) 201762444153 P	(47) 22.06.2022	(73) CNH Industrial Italia S.p.A.
(32) 09.01.2017	(87) KR2016010058	(72) England, Mark L.
(33) United States of America	01.03.2018	Wagner, Ed
(51) E01D 15/00	(22) 08.09.2016	Reyes, David
F15B 15/14	(54) CAISSON BLOCK CONSTRUCTION	Plante, Sean
E01D 15/06	METHOD	(31) 511152
F15B 1/02	(73) Yujoo Co., Ltd.	(32) 29.07.2009
(11) EP3438469	(72) KIM, Sang Gi	(33) United States of America
(21) EP17184853.4	(31) 20160107522	(51) E02F 3/43
(47) 22.06.2022	(32) 24.08.2016	E02F 9/20
(22) 04.08.2017	(33) Korea (Republic)	(11) EP3680394
(54) BRIDGE WITH PIVOT ARM DEVICE	(51) E02D 27/42	(21) EP18854981.0
(73) Robert Bosch GmbH	E02D 27/50	(47) 22.06.2022
(72) Bijmans, Pieter	(11) EP3625394	(87) JP2018031506
(51) E01F 15/14	(21) EP18725806.6	14.03.2019
(11) EP3656924	(47) 22.06.2022	(22) 27.08.2018
(21) EP18208381.6	(87) EP2018062596	(54) SHOVEL
(47) 22.06.2022	22.11.2018	(73) Sumitomo Heavy Industries, Ltd.
(22) 26.11.2018	(22) 15.05.2018	(72) ONO, Tetsuji
(54) END TERMINAL FOR A SAFETY GUARDRAIL	(54) FOUNDATION FOR SUPPORTING A WIND TURBINE, A METHOD FOR MOUNTING THE FOUNDATION, AND A WIND POWER INSTALLATION	(31) 2017172830
(73) Tata Steel UK Limited	(73) Powertower AB	(32) 08.09.2017
(72) SIRMAN, Steven Charles	(72) KARLSSON, Roger	(33) Japan
MUSTARD, Trevor Raymond	RUIN, Edvard	(51) E02F 3/43
BLOWEY, Andrew Thomas	(31) 1750609	E02F 9/26
LONG, Raymond William	(32) 16.05.2017	E02F 9/24
(51) E02B 9/00	(33) Sweden	(11) EP3396070
F03B 3/18	(51) E02D 27/42	(21) EP18169542.0
F03B 15/18	E04H 12/22	(47) 22.06.2022
(11) EP3953578	F03D 13/20	(22) 26.04.2018
(21) EP20713533.6	(11) EP3699360	(54) WORK MACHINE WITH BUCKET MONITORING
(47) 22.06.2022	(21) EP20156947.2	(73) CNH Industrial Italia S.p.A.
(87) EP2020056851	(47) 22.06.2022	(72) ELKINS, Scott A.
15.10.2020	(22) 12.02.2020	(31) 201715499427
(22) 13.03.2020	(54) METHOD OF CONNECTING A TOWER TO A FOUNDATION AND TOWER FOUNDATION ASSEMBLY	(32) 27.04.2017
(54) HYDROELECTRIC POWER PLANT	(73) General Electric Company	(33) United States of America
(73) Voith Patent GmbH	(72) Voss, Stefan Bernhard	(51) E02F 3/88
(72) SCHABASSER, Martin	(31) 201916281451	E02F 3/92
(31) 102019133291	(32) 21.02.2019	(11) EP3969670
102019109118		(21) EP20800588.4
(32) 06.12.2019		(47) 22.06.2022
08.04.2019		(87) EP2020080155
(33) Germany		27.05.2021

(22) 27.10.2020	(73) Rico Sport & Vastgoed B.V. Konings, Marinus	(54) POSITIONING WASHER AND PROCEDURE FOR INITIAL FIXING OF A FASTENING ELEMENT
(54) DREDGING METHOD AND APPARATUS	(72) KONINGS, Marinus	(73) EJOT SE & Co. KG
(73) HARWICH HAVEN AUTHORITY	(31) 2019017	(72) HACKLER, Erhard
(72) WARNER, Jeremy, David	(32) 02.06.2017	HEINRICH, Kostja
(31) 202007660	(33) Netherlands	
201916776	(51) E04C 5/07	(51) E04G 11/48
(32) 22.05.2020	(11) EP3705657	E04G 25/04
18.11.2019	(21) EP20161189.4	E04G 25/06
(33) United Kingdom	(47) 22.06.2022	E04G 11/38
United Kingdom	(22) 05.03.2020	E04G 11/50
(51) E02F 3/92	(54) TEXTILE REINFORCING STRUCTURE	(11) EP3662119
E02F 5/02	FOR A COMPONENT, METHOD	(21) EP18743832.0
E02F 5/08	FOR PRODUCING A REINFORCING	(47) 22.06.2022
E02F 5/14	STRUCTURE, COMPONENT AND	(87) EP2018070652
E02F 3/24	SEMI-FINISHED PART	07.02.2019
(11) EP2743406	(73) CarboCon GmbH	(22) 31.07.2018
(21) EP13195624.5	(72) SCHÜTZE, Elisabeth	(54) FORMWORK SUPPORT, FORMWORK
(47) 22.06.2022	CURBACH, Manfred	ARRANGEMENT AND METHOD
(22) 04.12.2013	SCHUMANN, Alexander	OF DEMOULDING A FORMWORK
(54) Device for excavating a channel	RAPS, Klaus	ARRANGEMENT
(73) Groenservice Marissen NV	(31) 102019122073	(73) DOKA GmbH
(72) Marissen, Raf	102019105493	(72) GREUL, Thomas
(31) 201200845	(32) 16.08.2019	BURGSTALLER, Gerald
(32) 17.12.2012	05.03.2019	(31) 17183906
(33) Belgium	(33) Germany	(32) 31.07.2017
(51) E03D 9/03	Germany	(33) European Patent Office (EPO)
B65D 83/04	(51) E04D 13/16	(51) E04G 21/04
E03D 1/012	E04D 13/17	B60S 9/22
E03D 9/02	(11) EP3375950	B66C 23/78
(11) EP3587685	(21) EP18161577.4	(11) EP3650615
(21) EP18179719.2	(47) 22.06.2022	(21) EP19207589.3
(47) 22.06.2022	(22) 13.03.2018	(47) 22.06.2022
(22) 26.06.2018	(54) ROOF SPACE INSULATION	(22) 07.11.2019
(54) CARRIER ELEMENT FOR A CLEANING	INSTALLATION AND METHOD FOR	(54) AUTOMATIC CONCRETE PUMP
ELEMENT TO BE INSERTED IN A	ROOF SPACE INSULATION	(73) Liebherr-Mischtechnik GmbH
FLUSH TANK	(73) Rockwool International A/S	(72) Westermann, Karl
(73) Geberit International AG	(72) PASINI, Thierry	Lang, Stefan
(72) FURRER, Martin	PASQUERO, Daniela	Haberkorn, Rainer
BRÄNDLI, Pascal	(31) 1752068	(31) 102018127828
(51) E04B 1/348	(32) 14.03.2017	(32) 07.11.2018
(11) EP2855788	(33) France	(33) Germany
(21) EP13728103.6	(51) E04F 13/06	(51) E04G 21/12
(47) 22.06.2022	E04F 19/06	(11) EP3483360
(87) DK2013050155	(11) EP3854963	(21) EP18208035.8
28.11.2013	(21) EP20212693.4	(47) 22.06.2022
(22) 21.05.2013	(47) 22.06.2022	(22) 24.04.2009
(54) A MODULAR HOUSE, A MODULAR	(22) 09.12.2020	(54) BRAKE SYSTEM OF WIRE REEL
HOUSING SYSTEM, A METHOD FOR	(54) PROFILE SYSTEM WITH CORNER	IN REINFORCING BAR BINDING
BUILDING A MODULAR HOUSE AND	CONNECTING ELEMENT	MACHINE
USE OF A MODULAR HOUSE	(73) Schlüter-Systems KG	(73) MAX CO., LTD.
(73) worldFLEXhome ApS	(72) SCHLÜTER, Marc	(72) ITAGAKI, Osamu
(72) BACH-SØRENSEN, Anders	(31) 202020100337 U	(31) 2009092693
(31) 201270276	(32) 23.01.2020	2008130641
(32) 24.05.2012	(33) Germany	2008130646
(33) Denmark	(51) E04F 13/08	(32) 07.04.2009
(51) E04B 7/16	F16B 5/02	19.05.2008
E04B 1/32	F16B 43/00	19.05.2008
E04B 1/342	F16B 37/00	(33) Japan
E04H 3/16	F16B 1/00	Japan
(11) EP3631114	(11) EP3405624	Japan
(21) EP18731545.2	(21) EP16701334.1	(51) E04H 4/16
(47) 22.06.2022	(47) 22.06.2022	(11) EP3832053
(87) NL2018050355	(87) EP2016051326	(21) EP20199895.2
06.12.2018	27.07.2017	(47) 22.06.2022
(22) 30.05.2018	(22) 22.01.2016	(22) 02.10.2020
(54) CANOPY FOR SELECTIVELY COVERING AN AREA		

(54) SUCTION HEAD WITH CENTRAL DEFLECTOR FOR CLEANING SWIMMING POOLS	(54) LOAD SYSTEM FOR BUILDING OPENINGS	(47) 22.06.2022
(73) Kokido Development Limited	(73) Ehret GmbH	(87) IB2017055999
(72) ROUMAGNAC, Max	(72) GIELEN, Ralf	05.04.2018
BRUNEEL, Jean	(31) 102017007613	(22) 29.09.2017
(31) 1913598	(32) 14.08.2017	(54) DEVICE FOR CLOSING AND OPENING PANELS, IN PARTICULAR PANELS OF ELECTRICAL HOUSEHOLD APPLIANCES SUCH AS WASHING MACHINES AND THE LIKE
(32) 02.12.2019	(33) Germany	(73) Elettrotecnica Rold S.R.L.
(33) France	(51) E05B 67/24	(72) ROCCHITELLI, Stefano
(51) E04H 17/02	E05B 67/02	MANSUTTI, Alessandro
E04H 17/10	E05B 27/08	(31) 201600098473
E04F 11/18	E05B 17/14	(32) 30.09.2016
E01F 13/02	E05B 17/18	(33) Italy
E04H 17/06	(11) EP3693527	(51) E05D 1/04
E04H 17/04	(21) EP20152438.6	E05D 11/08
E04H 17/16	(47) 22.06.2022	(11) EP2940237
E04H 17/24	(22) 17.01.2020	(21) EP15166089.1
(11) EP3572602	(54) PADLOCK WITH INTEGRATED KEYWAY	(47) 22.06.2022
(21) EP19182951.4	(73) Brady Worldwide, Inc.	(22) 30.04.2015
(47) 22.06.2022	(72) MELKOVITZ, Jack C.	(54) A HINGE ASSEMBLY
(22) 13.04.2015	GRIMMER, Larry R.	(73) Keylite Roof Windows Limited
(54) VERTICAL CABLE BARRIER	(31) 201916269228	(72) COYLE, Sean
(73) Fortress Iron, LP	(32) 06.02.2019	MC CLOSKEY, Aaron
(72) SHERSTAD, Matthieu Carlyle	(33) United States of America	(31) 201407636
BURT, Kevin T.	(51) E05B 81/00	(32) 30.04.2014
(31) 201461979055 P	G07B 15/00	(33) United Kingdom
(32) 14.04.2014	(11) EP3555392	(51) E05D 3/06
(33) United States of America	(21) EP17832055.2	E05D 3/12
(51) E05B 47/06	(47) 22.06.2022	E05D 11/10
E05B 47/00	(87) EP2017082571	(11) EP3805497
E05B 15/04	21.06.2018	(21) EP19202429.7
(11) EP3620598	(22) 13.12.2017	(47) 22.06.2022
(21) EP19195983.2	(54) ARRANGEMENT FOR MANIPULATING A VEHICLE DOOR LOCK REMOTE CONTROL DEVICE	(22) 10.10.2019
(47) 22.06.2022	(73) Tapcar AS	(54) DOOR CHECK ASSEMBLY
(22) 06.09.2019	(72) STRAND-BERGESEN, Børge	(73) MAGNA STEYR Fahrzeugtechnik AG & Co KG
(54) COUPLING DEVICE FOR A DOOR FITTING, DOOR FITTING SYSTEM AND METHOD FOR COUPLING OR UNCOUPLING OF A COUPLING DEVICE	BRANDENBERGER, Dennis	(72) GUPTA, Manoj Kumar
(73) DOM-Sicherheitstechnik GmbH & Co. KG	(31) 20161977	(51) E05D 15/46
(72) REDDIG, Stephan	(32) 13.12.2016	E05F 1/10
HOHF, Andres	(33) Norway	E05F 5/02
VEELMANN, Martin	(51) E05B 81/50	(11) EP3124729
KNIE, Ottmar	E05B 81/06	(21) EP15178920.3
KAISER, Thomas	E05B 81/34	(47) 22.06.2022
(31) 102018122016	E05B 15/04	(22) 29.07.2015
(32) 10.09.2018	E05B 81/14	(54) HOLDING ELEMENT FOR ADJUSTING A COVER OF A PIECE OF FURNITURE
(33) Germany	(11) EP3781769	(73) Flap Competence Center kft
(51) E05B 55/00	(21) EP19723637.5	(72) Mollnar, Attila
E05B 15/02	(47) 22.06.2022	(51) E05D 15/56
(11) EP3385478	(87) DE2019100313	E05B 15/00
(21) EP17164636.7	24.10.2019	E05C 9/16
(47) 22.06.2022	(22) 05.04.2019	(11) EP3611323
(22) 03.04.2017	(54) ACTUATOR ASSEMBLY FOR DOOR LATCH FOR VEHICLES	(21) EP19188368.5
(54) LATCH LOCK	(73) Kiekert AG	(47) 22.06.2022
(73) Kale Kilit ve Kalip Sanayi Anonim Sirketi	(72) INAN, Ömer	(22) 25.07.2019
(72) ACAR, Mahmut	SCHIFFER, Holger	(54) ACTUATING GEAR FOR LIFTING AND LOWERING A LIFTING SLIDING ELEMENT AND LIFTING SLIDING ELEMENT PROVIDED WITH SUCH AN ACTUATING GEAR
(51) E05B 65/00	SCHOLZ, Michael	(73) MACO Technologie GmbH
E05C 1/04	SZEGENY, Peter	(72) Mitterlehner, Stefan
E05C 17/48	(31) 102018109477	(31) 102019109639
E05B 53/00	(32) 20.04.2018	102018120031
(11) EP3444417	(33) Germany	(32) 11.04.2019
(21) EP18188473.5	(51) E05C 3/16	17.08.2018
(47) 22.06.2022	E05C 3/40	
(22) 10.08.2018	E05B 17/00	
	E05B 15/02	
	(11) EP3519654	
	(21) EP17791159.1	

(33) Germany Germany	HEPPNER, Matthias	(51) E06B 9/174 E06B 9/50
(51) E05F 1/10	(31) 102016201106	(11) EP3441554
(11) EP3613932	(32) 26.01.2016	(21) EP18188018.8
(21) EP19203475.9	(33) Germany	(47) 22.06.2022
(47) 22.06.2022	(51) E05F 15/42	(22) 08.08.2018
(22) 19.02.2015	(11) EP3575534	(54) SUPPORT UNIT FOR A DRIVE UNIT OF A CLOSING OR PROTECTIVE DEVICE
(54) ACTUATOR FOR FURNITURE VALVES	(21) EP19173659.4	(73) Acomax GmbH
(73) Julius Blum GmbH	(47) 22.06.2022	(72) Walter-Seifart, Rolf
(72) NUSSBICHLER, Harald HUBER, Edgar	(22) 09.05.2019	(31) 102017118146
(31) 1832014	(54) DEVICE FOR SECURING THE LEAF MOVEMENTS OF AN AUTOMATIC REVOLVING DOOR BY MEANS OF A SENSOR SYSTEM	(32) 09.08.2017
(32) 14.03.2014	(73) GEZE GmbH	(33) Germany
(33) Austria	(72) HUCKER, Dr., Matthias	(51) E06B 9/327 E06B 9/58
(51) E05F 3/20	(31) 102018208440	(11) EP3759303
E05F 1/12	(32) 29.05.2018	(21) EP19701962.3
(11) EP3255235	(33) Germany	(47) 22.06.2022
(21) EP15880826.1	(51) E06B 3/30	(87) AT2019060020 29.08.2019
(47) 22.06.2022	E06B 3/20	(22) 21.01.2019
(87) CN2015077724	E04D 13/035	(54) MOUNTING BRACKET FOR GUIDE RAILS
11.08.2016	(11) EP3591160	(73) WO & WO Sonnenlichtdesign GmbH & Co KG
(22) 28.04.2015	(21) EP19184756.5	(72) JUD, Christian HAMMER, Anton THOMANN, Michael
(54) HINGE PROVIDING CUSHIONING EFFECT AND APPARATUS PROVIDED WITH THE HINGE	(47) 22.06.2022	(31) 501682018
(73) Midea Group Co., Ltd. Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.	(22) 05.07.2019	(32) 26.02.2018
(72) MI, Xiaodong	(54) A WINDOW FRAME ADAPTED FOR USE AS A SASH OR A STATIONARY FRAME, AND A METHOD FOR MAKING A WINDOW FRAME	(33) Austria
YANG, Lin	(73) VKR Holding A/S	(51) E06C 7/48
LIN, Minyu	(72) MEYER-HANSEN, Michael	(11) EP3686391
ZHU, Shiping	SIMONSEN, Sverre	(21) EP20153420.3
(31) 201510066884	HARDING, Vanessa Margaret	(47) 22.06.2022
(32) 06.02.2015	DOMMERT, Matthias	(22) 23.01.2020
(33) China	(31) PA201870471	(54) HOLDING DEVICE CONFIGURED FOR HOLDING A LADDER AGAINST A SURFACE
(51) E05F 5/02	(32) 06.07.2018	(73) SADE - Compagnie Generale de Travaux d'Hydraulique
(11) EP2893110	(33) Denmark	(72) VIALAN, Eric
(21) EP13756487.8	(51) E06B 3/54	(31) 1900698
(47) 22.06.2022	E06B 3/263	(32) 25.01.2019
(87) EP2013068233	(11) EP3568560	(33) France
13.03.2014	(21) EP18708467.8	(51) E21B 4/14 B25D 9/14
(22) 04.09.2013	(47) 22.06.2022	(11) EP3708763
(54) STOP ARRANGEMENT FOR A POSITON-CHANGEABLE ELEMENT, ON A VEHICLE BODY	(87) GR2018000002 19.07.2018	(21) EP19162773.6
(73) Bayerische Motoren Werke Aktiengesellschaft	(22) 15.01.2018	(47) 22.06.2022
(72) ALDERSLEY, Nicholas	(54) SEMI-INVISIBLE COMBINATION FOR SLIDING DOORS WHICH ALLOWS THE UNHINDERED PASSAGE	(22) 14.03.2019
(31) 102012215875	(73) Orama Minimal Frames Ltd	(54) ROCK DRILLING ARRANGEMENT AND MACHINE
(32) 07.09.2012	(72) TSIMBIKOS, Georgios	(73) Sandvik Mining and Construction Oy
(33) Germany	(31) 20170100009	(72) Viinikka, Matti KOSKIMÄKI, Antti HÄMÄLÄINEN, Mikko
(51) E05F 11/38	(32) 13.01.2017	(51) E21B 17/01 F16L 1/12 F16L 13/04
B60J 1/17	(33) Greece	(11) EP3702577
E05D 15/16	(51) E06B 7/36	(21) EP20158447.1
(11) EP3408484	(11) EP3401491	(47) 22.06.2022
(21) EP17701442.0	(21) EP17189058.5	(22) 17.01.2017
(47) 22.06.2022	(47) 22.06.2022	(54) FATIGUE PERFORMANCE ENHANCER
(87) EP2017050913	(22) 01.09.2017	(73) ExxonMobil Upstream Research Company
03.08.2017	(54) DOOR LEAF FOR A FINGER PROTECTION FRAME	(72) WANG, Howard H.
(22) 18.01.2017	(73) AZ Metallbau GmbH	
(54) WINDOW LIFTER ASSEMBLY WITH MULTIPART PANE GUIDE ELEMENT FOR A FLUSH PANE DESIGN, AND ASSEMBLY METHOD	(72) Merwitz, Frank Pflug, Sascha Erl, Sven	
(73) Brose Fahrzeugteile SE & Co. Kommanditgesellschaft, Bamberg	(31) 202017102791 U	
(72) FREYMUTH, Ian	(32) 10.05.2017	
GRIESMANN, Manuel	(33) Germany	

<p>KAN, Wan-Cai (31) 201662296112 P (32) 17.02.2016 (33) United States of America</p> <hr/> <p>(51) E21B 21/08 E21B 21/10 (11) EP3559395 (21) EP17884335.5 (47) 22.06.2022 (87) US2017065006 28.06.2018 (22) 07.12.2017 (54) STAGED ANNULAR RESTRICTION FOR MANAGED PRESSURE DRILLING (73) Schlumberger Technology B.V. (72) HAM, Jeffrey CARTER, Shelby Wayne SOTO, Henrix BUSHMAN, Jerod (31) 201662437850 P (32) 22.12.2016 (33) United States of America</p> <hr/> <p>(51) E21B 23/06 E21B 33/12 E21B 34/06 E21B 41/00 E21B 17/10 E21B 47/12 E21B 43/12 (11) EP3548692 (21) EP17832797.9 (47) 22.06.2022 (87) IB2017001616 14.06.2018 (22) 06.12.2017 (54) WELL COMPLETION SYSTEM (73) Saudi Arabian Oil Company Wireless Instrumentation Systems AS (72) HANSEN, Stian Marius CLAYBOROUGH, Henrik Wanvik FELLINGHAUG, Jarl André ARSALAN, Muhammed (31) 201662430395 P (32) 06.12.2016 (33) United States of America</p> <hr/> <p>(51) E21B 33/035 E21B 34/16 E21B 43/12 (11) EP3722553 (21) EP19167734.3 (47) 22.06.2022 (22) 08.04.2019 (54) SUBSEA CONTROL SYSTEM (73) NOV Process & Flow Technologies AS (72) GRIMSETH, Tom MIKALSEN, Kristian</p> <hr/> <p>(51) E21B 33/12 C08K 7/02 C09J 11/08 C09J 121/00 C09K 3/10 (11) EP3068841 (21) EP14810007.6 (47) 22.06.2022 (87) NL2014050789 21.05.2015 (22) 17.11.2014 (54) SWELLABLE SEALS AND THEIR USE</p>	<p>(73) Harres B.V. (72) SEYGER, Roger Martin (31) 2011810 (32) 15.11.2013 (33) Netherlands</p> <hr/> <p>(51) E21B 41/00 E21B 47/00 E21B 47/10 E21B 49/00 (11) EP3707345 (21) EP18804478.8 (47) 22.06.2022 (87) US2018058449 16.05.2019 (22) 31.10.2018 (54) DETERMINING WELLBORE LEAK CROSSFLOW RATE BETWEEN FORMATIONS IN AN INJECTION WELL (73) Saudi Arabian Oil Company (72) AL-AJMI, Mohammed, D. AL-HAJRI, Nasser, Mubarak (31) 201715805813 (32) 07.11.2017 (33) United States of America</p> <hr/> <p>(51) E21B 41/02 F16K 17/04 F16K 17/16 F16K 17/40 E21B 34/06 E21B 37/06 E21B 34/10 F16K 47/04 (11) EP3704346 (21) EP18801124.1 (47) 22.06.2022 (87) US2018057002 09.05.2019 (22) 23.10.2018 (54) CHEMICAL INJECTION VALVE ENHANCED SEALING CAPABILITY (73) Weatherford Technology Holdings, LLC (72) STERNAMAN, Brian M. STOKKELAND, Kaj JOERPELAND, Sven C. SALIHBEGOVIC, Zlatko X. (31) 201715799176 (32) 31.10.2017 (33) United States of America</p> <hr/> <p>(51) E21B 43/12 E21B 43/38 (11) EP3569814 (21) EP19176617.9 (47) 22.06.2022 (22) 31.03.2016 (54) FLUID DRIVEN PRESSURE BOOSTING SYSTEM FOR OIL AND GAS APPLICATIONS (73) Saudi Arabian Oil Company (72) WANG, Shoubo XIAO, Jinjiang LASTRA, Rafael (31) 201562141434 P (32) 01.04.2015 (33) United States of America</p> <hr/> <p>(51) E21B 43/12 E21B 47/09 (11) EP3452693 (21) EP17737676.1</p>	<p>(47) 22.06.2022 (87) US2017039412 04.01.2018 (22) 27.06.2017 (54) ELECTRICAL SUBMERSIBLE PUMP WITH PROXIMITY SENSOR (73) Saudi Arabian Oil Company (72) ROTH, Brian, A. XIAO, Jinjiang (31) 201615196696 (32) 29.06.2016 (33) United States of America</p> <hr/> <p>(51) E21D 11/00 E21D 11/38 (11) EP3436665 (21) EP17725788.8 (47) 22.06.2022 (87) NO2017050077 05.10.2017 (22) 29.03.2017 (54) A TUNNEL WALL ELEMENT AND A METHOD OF ASSEMBLING TUNNEL WALLS COMPRISING THE TUNNEL WALL ELEMENTS (73) FOAMROX AS (72) JAKOBSEN, Rolf (31) 20160611 20160515 (32) 13.04.2016 30.03.2016 (33) Norway Norway</p> <hr/> <p>(51) F01D 5/14 (11) EP2971521 (21) EP13861517.4 (47) 22.06.2022 (87) US2013072315 09.10.2014 (22) 27.11.2013 (54) GAS TURBINE ENGINE FLOW PATH GEOMETRY (73) Rolls-Royce Corporation (72) POWER, Bronwyn RIVERS, Jonathan M. FULAYTER, Roy David (31) 201361776752 P (32) 11.03.2013 (33) United States of America</p> <hr/> <p>(51) F01D 5/14 F01D 9/02 F01D 17/16 F01D 5/28 F02K 1/06 (11) EP3667017 (21) EP19215807.9 (47) 22.06.2022 (22) 12.12.2019 (54) TURBINE ENGINE COMPONENT WITH ADAPTIVE MORPHING GEOMETRY (73) Raytheon Technologies Corporation (72) PRASAD, Dilip CHAUDRY, Zaffir A. KUCZEK, Andrzej Ernest (31) 201816219240 (32) 13.12.2018 (33) United States of America</p> <hr/> <p>(51) F01D 11/04 F04D 29/12</p>
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F02C 6/12	08.06.2018	Dou, Danan
F04D 29/10	08.06.2018	Huang, Shyan-Cherng
F16J 15/34	(33) Germany	(31) 201816007774
F16J 15/40	Germany	201816007776
(11) EP3712385	Germany	(32) 13.06.2018
(21) EP20150955.1	Germany	13.06.2018
(47) 22.06.2022	(51) F01K 23/10	(33) United States of America
(22) 09.01.2020	F22B 1/18	United States of America
(54) TURBOMACHINE AND METHOD FOR OPERATING A TURBOMACHINE	(11) EP3810907	(51) F02D 23/00
(73) ATLAS COPCO ENERGAS GMBH	(21) EP19769058.9	F02D 41/14
(72) Tiefenthal, Marcus	(47) 22.06.2022	F02D 41/00
Wiebe, Frank	(87) EP2019073189	F02D 41/30
(31) 102019107454	12.03.2020	F02M 35/10
(32) 22.03.2019	(22) 30.08.2019	F02B 37/16
(33) Germany	(54) EXHAUST GAS RECIRCULATION IN GAS AND STEAM TURBINES PLANTS	F02B 37/18
(51) F01D 25/18	(73) Siemens Energy Global GmbH & Co. KG	(11) EP3730770
F01D 11/02	(72) MIGL, Matthias	(21) EP17935200.0
(11) EP3741962	TSCHETSCHIK, Denis	(47) 22.06.2022
(21) EP20172537.1	(31) 18193230	(87) JP2017046104
(47) 22.06.2022	(32) 07.09.2018	27.06.2019
(22) 30.04.2020	(33) European Patent Office (EPO)	(2) 22.12.2017
(54) COVER FOR ROTATABLE SHAFT OF GAS TURBINE ENGINE	(51) F01K 25/10	(54) INTERNAL COMBUSTION ENGINE AND METHOD OF CONTROLLING SAME
(73) Raytheon Technologies Corporation	F02C 3/34	(73) Renault s.a.s
(72) ADAMS, James D.	(11) EP3445955	Nissan Motor Co., Ltd.
ZHENG, Zhijun	(21) EP17721213.1	(72) ARAKI, Takashi
(31) 201916420341	(47) 22.06.2022	KIMURA, Yoshiyasu
(32) 23.05.2019	(87) IB2017052283	HAMAMOTO, Takayuki
(33) United States of America	26.10.2017	
(51) F01D 25/28	(22) 20.04.2017	(51) F02D 41/02
(11) EP3821111	(54) SYSTEM AND METHOD FOR OXIDATION OF HYDROCARBON GASES	B60W 30/184
(21) EP19759295.9	(73) 8 Rivers Capital, LLC	F02D 41/14
(47) 22.06.2022	(72) MCGRODDY, Peter Michael	B60W 30/186
(87) EP2019070894	FORREST, Brock Alan	(11) EP3530916
12.03.2020	FETVEDT, Jeremy Eron	(21) EP18203467.8
(22) 02.08.2019	(31) 201662325752 P	(47) 22.06.2022
(54) DEVICE AND METHODS FOR THE DISASSEMBLY AND/OR ASSEMBLY OF AN ANNULAR COMPONENT	(32) 21.04.2016	(22) 30.10.2018
(73) Siemens Energy Global GmbH & Co. KG	(33) United States of America	(54) METHOD FOR OPERATING A VEHICLE, IN PARTICULAR A COMMERCIAL VEHICLE
(72) KOWALZIK, Christian	(51) F01L 3/10	(73) MAN Truck & Bus SE
MÜLLER, Dirk	(11) EP3628896	(72) Berchtold, Florian
(31) 102018214996	(21) EP19209347.4	(31) 102017129828
(32) 04.09.2018	(47) 22.06.2022	(32) 13.12.2017
(33) Germany	(22) 06.12.2016	(33) Germany
(51) F01K 7/38	(54) VALVE STEM SEAL	(51) F02K 1/09
F01D 15/10	(73) NOK Corporation	F02K 1/72
F01D 25/12	(72) NISHIMURA, Nobuhiro	(11) EP3724480
H02K 5/18	ONODERA, Hiroshi	(21) EP18822443.0
H02K 7/18	KISHIRO, Masamichi	(47) 22.06.2022
(11) EP3578765	OYAMA, Takayuki	(87) GB2018053545
(21) EP19177173.2	(31) 2015239102	20.06.2019
(47) 22.06.2022	(32) 08.12.2015	(22) 06.12.2018
(22) 29.05.2019	(33) Japan	(54) VARIABLE AREA FAN NOZZLE FOR TURBOFAN AIRCRAFT ENGINE
(54) LOW PRESSURE STEAM TURBINE SYSTEM AND OPERATING METHOD FOR A TURBO SET AND FOR A LOW PRESSURE STEAM TURBINE SYSTEM	(51) F01N 3/10	(73) SHORT BROTHERS PLC
(73) Fludema GmbH	F01N 13/00	(72) MCEVOY, Finbarr
(72) Jager, Georg	F01N 9/00	DAVISON, Gary
Lücke, Philipp	F01N 3/20	(31) 201720950
(31) 102018209177	F01N 3/021	(32) 15.12.2017
102018209203	(11) EP3581773	(33) United Kingdom
102018209178	(21) EP19175383.9	(51) F02M 35/10
102018209204	(47) 22.06.2022	F16L 11/15
(32) 08.06.2018	(22) 20.05.2019	F16L 9/22
08.06.2018	(54) EXHAUST GAS TREATMENT SYSTEM AND METHOD HAVING IMPROVED LOW TEMPERATURE PERFORMANCE	F16L 27/10
	(73) Deere & Company	B29C 65/02
	(72) Ponnaiyan, Ayyappan	B29C 65/48
		B29C 65/00

B29L 31/00	(21) EP18719790.0	(21) EP20705760.5
F16L 27/11	(47) 22.06.2022	(47) 22.06.2022
(11) EP3784897	(87) EP2018059526	(87) EP2020054984
(21) EP19717249.7	25.10.2018	03.09.2020
(47) 22.06.2022	(22) 13.04.2018	(22) 26.02.2020
(87) EP2019058592	(54) CABLE FOR THE STATIONARY	(54) METHOD FOR HOLDING A MOBILE
31.10.2019	ATTACHMENT OF A HIGH-ALTITUDE	PART OF A WIND TURBINE
(22) 05.04.2019	WIND TURBINE	(73) B&R Industrial Automation GmbH
(54) PIPE DUCT FOR INTAKE AIR SYSTEM	(73) Sanfritsch GmbH	(72) KRONBERGER, Peter
OF AN INTERNAL COMBUSTION	(72) WÖLL, Oliver	(31) 19159740
ENGINE	(31) 102017206747	(32) 27.02.2019
(73) Mahle International GmbH	(32) 21.04.2017	(33) European Patent Office (EPO)
(72) KOHLER, Samuel	(33) Germany	(51) F03D 7/02
FISCHER, Robert	(51) F03D 7/00	F03D 17/00
(31) 102018206615	(11) EP3587802	(11) EP3690234
(32) 27.04.2018	(21) EP18893345.1	(21) EP19155336.1
(33) Germany	(47) 22.06.2022	(47) 22.06.2022
(51) F03B 3/12	(87) CN2018108668	(22) 04.02.2019
F03B 3/18	21.11.2019	(54) WIND TURBINE CONTROL
F04D 29/60	(22) 29.09.2018	(73) Siemens Gamesa Renewable Energy A/
(11) EP3942173	(54) METHOD AND DEVICE FOR NOISE	S
(21) EP19715016.2	CONTROL OF A PLURALITY OF WIND	(72) Steffensen, Michael Bilet Skovgaard
(47) 22.06.2022	TURBINE GENERATOR SYSTEMS	Hawkins, Samuel H.
(87) EP2019057245	(73) Beijing Goldwind Science & Creation	(51) F03D 7/04
01.10.2020	Windpower Equipment Co. Ltd.	F03D 7/02
(22) 22.03.2019	(72) OU, Fashun	(11) EP3613981
(54) METHOD FOR ASSEMBLING A	(31) 201810482517	(21) EP19191895.2
HYDROPOWER DEVICE	(32) 18.05.2018	(47) 22.06.2022
(73) Voith Patent GmbH	(33) China	(22) 15.08.2019
(72) KECK, Benjamin	(51) F03D 7/02	(54) CONTROL OF A WIND TURBINE
SIENZ, Stephan	(11) EP3673172	(73) VESTAS WIND SYSTEMS A/S
MERKL, Christian	(21) EP18758539.3	(72) NIELSEN, Anders Steen
(51) F03D 1/06	(47) 22.06.2022	HOVGAARD, Tobias Gybel
F03D 3/06	(87) DK2018050192	GRUNNET, Jacob Deleuran
F01D 5/14	28.02.2019	(31) PA201870538
(11) EP2028366	(22) 08.08.2018	(32) 20.08.2018
(21) EP08007761.3	(54) WIND TURBINE SAFETY BRAKE	(33) Denmark
(47) 22.06.2022	CONTROL STRATEGY	(51) F03D 7/04
(22) 23.04.2008	(73) Vestas Wind Systems A/S	F16H 1/22
(54) WIND TURBINE BLADE WITH ANTI-	(72) KRABBE, Michael Riis	(11) EP3483427
NOISE DEVICES	(31) PA201770636	(21) EP17824357.2
(73) SIEMENS GAMESA RENEWABLE	(32) 24.08.2017	(47) 22.06.2022
ENERGY INNOVATION &	(33) Denmark	(87) JP2017025028
TECHNOLOGY, S.L.	(51) F03D 7/02	11.01.2018
(72) Garcillán Rueda, Luis Miguel	(11) EP3343026	(22) 07.07.2017
Matesanz Gil, Alvaro	(21) EP17150174.5	(54) WINDMILL DRIVE SYSTEM AND
(31) 200701494	(47) 22.06.2022	WINDMILL
(32) 31.05.2007	(22) 03.01.2017	(73) Nabtesco Corporation
(33) Spain	(54) METHODS AND SYSTEMS FOR	(72) NOHARA Osamu
(51) F03D 1/06	CONTROLLING A WIND TURBINE	OSAKO Haruna
F03D 80/40	(73) General Electric Company	(31) 2016135953
(11) EP3478959	(72) DAVOUST, Samuel	(32) 08.07.2016
(21) EP17734980.0	MARKHAM, Thomas Stephen	(33) Japan
(47) 22.06.2022	(51) F03D 7/02	(51) F03D 9/25
(87) DK2017050220	(11) EP3702611	F03D 7/02
04.01.2018	(21) EP19159737.6	F03D 7/04
(22) 29.06.2017	(47) 22.06.2022	(11) EP3074629
(54) BUSBARS IN A STACKING	(22) 27.02.2019	(21) EP14806171.6
ARRANGEMENT	(54) METHOD FOR ADJUSTING AN	(47) 22.06.2022
(73) Vestas Wind Systems A/S	ADJUSTING DEVICE OF A WIND	(87) DK2014050403
(72) SPANDLEY, Luke	TURBINE	04.06.2015
BADGER, Paul	(73) B&R Industrial Automation GmbH	(22) 27.11.2014
BUGGY, Stephen	(72) Festerling, Alexander	(54) POWER-RAMPING PITCH FEED-
(31) 201670482	Forthuber, Friedrich	FORWARD
(32) 30.06.2016	Kronberger, Peter	(73) Vestas Wind Systems A/S
(33) Denmark	(51) F03D 7/02	(72) BOWYER, Robert
(51) F03D 5/00	(11) EP3902993	THOMSEN, Jesper Sandberg
(11) EP3612729		NØRLUND THOMSEN, Carsten

KJÆR, Martin Ansbjerg	(73) SABIC Global Technologies B.V.	(32) 07.10.2014
(31) 201370731	(72) YOUSSEF, Ahmed, Abouelfetouh	(33) Japan
(32) 29.11.2013	LEGG, Richard	(51) F04C 15/06
(33) Denmark	FERRARIS, Dane	F04C 18/02
(51) F03D 80/60	LOWRY, Vern	F04C 23/00
(11) EP3880959	(31) 17200372	(11) EP3760868
(21) EP19805531.1	(32) 07.11.2017	(21) EP19204818.9
(47) 22.06.2022	(33) European Patent Office (EPO)	(47) 22.06.2022
(87) DK2019050344	(51) F04B 35/00	(22) 23.10.2019
22.05.2020	(11) EP3835579	(54) COMPRESSOR
(22) 13.11.2019	(21) EP20206898.7	(73) LG Electronics Inc.
(54) METHOD OF COOLING A WIND	(47) 22.06.2022	(72) LEE, Donggeun
TURBINE	(22) 11.11.2020	KIM, Sungchoon
(73) VESTAS WIND SYSTEMS A/S	(54) COMPRESSOR AND METHOD FOR	(31) 20190078521
(72) STAGHØJ, Michael	CONVEYING AND COMPRESSING A	(32) 01.07.2019
(31) PA201870751	CONVEYING FLUID INTO A TARGET	(33) Korea (Republic)
(32) 16.11.2018	SYSTEM	(51) F04D 15/00
(33) Denmark	(73) Maximator Gmbh	F04D 29/66
(51) F03G 1/02	(72) Degenhardt, Phil	F04D 13/06
F03G 1/06	Bierwisch, Michael	(11) EP3592980
F16F 1/12	(31) 102019133576	(21) EP18711027.5
B64D 41/00	(32) 09.12.2019	(47) 22.06.2022
(11) EP3263944	(33) Germany	(87) EP2018054888
(21) EP16461533.8	(51) F04B 37/08	13.09.2018
(47) 22.06.2022	(11) EP3710699	(22) 28.02.2018
(22) 01.07.2016	(21) EP18819482.3	(54) METHOD FOR OPERATING
(54) SPRING COMPRESSION DEVICE	(47) 22.06.2022	A CIRCULATION PUMP AND
(73) Hamilton Sundstrand Corporation	(87) US2018061367	CIRCULATION PUMP FOR CARRYING
(72) Banach, Pawel	23.05.2019	OUT THE METHOD
Przemyslaw, Kielczykowski	(22) 15.11.2018	(73) KSB SE & Co. KGaA
(51) F04B 1/20	(54) CRYOPUMP WITH ENHANCED	(72) ECKL, Martin
F04B 1/2014	FRONTAL ARRAY	SCHULLERER, Joachim
F04B 53/08	(73) Edwards Vacuum LLC	HAUCK, Patrick
F03C 1/06	(72) CASELLO, John, J.	LAUE, Stefan
(11) EP3737862	MAHONEY, Paul, K.	EBELT, Gerd
(21) EP19700638.0	(31) 201762588209 P	(31) 102017203960
(47) 22.06.2022	(32) 17.11.2017	(32) 10.03.2017
(87) EP2019050202	(33) United States of America	(33) Germany
18.07.2019	(51) F04B 39/06	(51) F04D 17/16
(22) 07.01.2019	(11) EP3953583	F04D 19/04
(54) HYDRAULIC MACHINE, HYDRAULIC	(21) EP21729238.2	F04D 27/00
ASSEMBLY HAVING THE HYDRAULIC	(47) 22.06.2022	(11) EP3660317
MACHINE, AND HYDRAULIC AXLE	(87) EP2021063638	(21) EP18208807.0
HAVING THE HYDRAULIC MACHINE	16.12.2021	(47) 22.06.2022
(73) Robert Bosch GmbH	(22) 21.05.2021	(22) 28.11.2018
(72) BIEROD, Jan Lukas	(54) COMPRESSOR SYSTEM AND	(54) VACUUM DEVICE
RYZYNAR, Saskia	METHOD FOR CONTROLLING	(73) PFEIFFER VACUUM GMBH
GUENDER, Andreas	A COOLING DEVICE OF A	(72) Böttcher, Jochen
HUETTL, Rene	COMPRESSOR SYSTEM	Koch, Christian
SCHWACKE, Johannes	(73) KNORR-BREMSE Systeme für	(51) F04D 19/04
STEFANJUK, Oleg	Schienenfahrzeuge GmbH	F04D 29/52
SCHOLZ, Marco	(72) LANGE, Stefan	F04D 29/02
HANAUER, Emil	KRAMLICH, Adrian	F04D 29/64
(31) 102018200345	(31) 102020115300	(11) EP3048306
(32) 11.01.2018	(32) 09.06.2020	(21) EP14846575.0
(33) Germany	(33) Germany	(47) 22.06.2022
(51) F04B 15/02	(51) F04C 2/10	(87) JP2014065157
F04B 53/08	F04C 15/00	26.03.2015
F04B 53/18	(11) EP3205881	(22) 06.06.2014
(11) EP3706891	(21) EP15849177.9	(54) VACUUM PUMP WITH DEFORMABLE
(21) EP18800109.3	(47) 22.06.2022	STATOR COMPONENT
(47) 22.06.2022	(87) JP2015072134	(73) Edwards Japan Limited
(87) EP2018080476	14.04.2016	(72) SAKAGUCHI Yoshiyuki
16.05.2019	(22) 04.08.2015	(31) 2013191485
(22) 07.11.2018	(54) INTERNAL GEAR PUMP	(32) 17.09.2013
(54) USE OF A PISTON SYSTEM	(73) Toyooki Kogyo Co., Ltd.	(33) Japan
FOR FORMING AN ELASTOMER	(72) WATANABE, Noritaka	(51) F04D 25/06
AGGLOMERATE COMPOSITION	(31) 2014206065	

F04D 29/063	(21) EP16727292.1	(47) 22.06.2022
F04D 29/056	(47) 22.06.2022	(87) IB2018059442
F02B 33/40	(87) DE2016200193	06.06.2019
F02B 39/10	03.11.2016	(22) 29.11.2018
F02B 39/14	(22) 25.04.2016	(54) BAG CARRYING DEVICE FOR A
H02K 5/16	(54) DIAGONAL OR RADIAL FAN HAVING A	MOTOR VEHICLE AND MOTOR
H02K 9/19	GUIDE DEVICE	VEHICLE COMPRISING SAID BAG
(11) EP3452708	(73) Ziehl-Abegg SE	CARRYING DEVICE
(21) EP16901146.7	(72) GROSS, Andreas	(73) PIAGGIO & C. S.p.A.
(47) 22.06.2022	HUB, Sandra	(72) SANTUCCI, Mario
(87) US2016031251	LOERCHER, Frieder	MARIOTTI, Valentino
09.11.2017	ERNEMANN, Lothar	(31) 201700137149
(22) 06.05.2016	(31) 102015207800	(32) 29.11.2017
(54) RETENTION COMPONENT FOR	(32) 28.04.2015	(33) Italy
TURBOMACHINERY DEVICE	(33) Germany	<hr/>
(73) Borgwarner Inc.	(51) F04F 5/44	(51) F16B 31/02
(72) STONER, Allen, D., II	F04F 5/16	G01B 7/16
FRASER, Brock, S.	F04F 5/46	F16B 13/00
<hr/>		(11) EP3803140
(51) F04D 27/02	(11) EP3617530	(21) EP19729671.8
F02C 6/08	(21) EP18790052.7	(47) 22.06.2022
F02C 9/18	(47) 22.06.2022	(87) EP2019064254
F04D 29/66	(87) CN2018000159	12.12.2019
F01D 17/10	01.11.2018	(22) 03.06.2019
F16K 47/04	(22) 02.05.2018	(54) FASTENING ARRANGEMENT AND
F16K 3/02	(54) BLADELESS FAN AND AIR OUTLET	MEASUREMENT METHOD
(11) EP3597927	CYLINDER THEREOF	(73) fischerwerke GmbH & Co. KG
(21) EP19195221.7	(73) Ying, Hui	(72) SUCHY, Ulrich
(47) 22.06.2022	(72) Ying, Hui	LEHMANN, David
(22) 21.07.2015	(31) 201710307957	SCHÄTZLE, Joachim
(54) BLEED VALVE WITH RESONANCE	(32) 29.04.2017	RIEXINGER, Sven
CHAMBER INTEGRATED IN THE	(33) China	HORN, Sebastian
CLOSING MEMBER	<hr/>	(31) 102019113850
(73) Raytheon Technologies Corporation	(51) F16B 2/18	102018113303
(72) QUIN, W. Marshall	E04G 21/32	(32) 23.05.2019
TOPOL, David A.	F16B 2/12	05.06.2018
BOYER, Mark	F16B 45/00	(33) Germany
ROSEBERRY, Bryan	(11) EP3822493	Germany
LITTLE, Jonathan D.	(21) EP19209789.7	<hr/>
DESFOSES, Brian	(47) 22.06.2022	(51) F16B 37/06
MORIN, Bruce L.	(22) 18.11.2019	(11) EP3309414
HOLCHIN, John	(54) ANCHORING DEVICE FOR SHORING	(21) EP17193868.1
(31) 201462027372 P	WALLS	(47) 22.06.2022
(32) 22.07.2014	(73) CBR Rock Master Sp z o.o. Sp k.	(22) 28.09.2017
(33) United States of America	(72) Biela, Tomasz	(54) FUNCTIONAL ELEMENT FOR GAS-
<hr/>	Golkowski, Mariusz	TIGHT APPLICATION TO A SHEET
(51) F04D 29/24	(51) F16B 5/02	METAL COMPONENT, ASSEMBLED
F04D 29/46	(11) EP3365562	COMPONENT AND METHOD
F04D 29/02	(21) EP16778231.7	(73) Profil Verbindungstechnik GmbH & Co.
(11) EP3559476	(47) 22.06.2022	KG
(21) EP17826045.1	(87) EP2016072237	(72) Ellis, Adrian
(47) 22.06.2022	27.04.2017	Humpert, Richard
(87) US2017066019	(22) 20.09.2016	(31) 102016119479
28.06.2018	(54) PLATE-LIKE COMPONENT WITH A	(32) 12.10.2016
(22) 13.12.2017	FASTENING DEVICE REACHING	(33) Germany
(54) CENTRIFUGAL PUMP WITH ADAPTIVE	THROUGH THE PLATE-LIKE	<hr/>
PUMP STAGES	COMPONENT	(51) F16B 37/08
(73) Saudi Arabian Oil Company	(73) ElringKlinger AG	(11) EP3540245
(72) EJIM, Chidirim Enoch	(72) MORENO-LECHADO, Sergio	(21) EP19163408.8
MELO, Rafael Adolfo Lastra	GLAUBER, Andreas	(47) 22.06.2022
(31) 201715645839	(31) 102015118117	(22) 18.03.2019
201662437249 P	(32) 23.10.2015	(54) SNAP NUT CONCRETE ANCHOR
(32) 10.07.2017	(33) Germany	ASSEMBLY
21.12.2016	<hr/>	(73) Black & Decker Inc.
(33) United States of America	(51) F16B 7/10	(72) WILEY, Jessica
United States of America	F16B 45/00	WANG, Yanchao
<hr/>	B62K 19/40	CHAMBERLAIN, Matthew
(51) F04D 29/28	B62J 7/08	DUNNING, Jack
F04D 29/44	B62J 11/00	Horky, John
F04D 29/62	(11) EP3717787	(31) 201815923052
(11) EP3289223	(21) EP18827235.5	(32) 16.03.2018

(33) United States of America	F16D 9/08	(54) DAMPED HEATSINK DISK BRAKE ASSEMBLY
(51) F16C 11/06	F16D 1/10	(73) Goodrich Corporation
F16C 33/10	F16F 15/30	(72) RIEBE, Gary C.
(11) EP3669092	F16C 23/08	(31) 201514943510
(21) EP18847063.7	F16C 35/077	(32) 17.11.2015
(47) 22.06.2022	F16C 19/54	(33) United States of America
(87) CA2018050999	F16C 27/06	(51) F16F 13/10
21.02.2019	(11) EP3516247	F16F 13/26
(22) 16.08.2018	(21) EP16704904.8	(11) EP3449150
(54) BALL JOINT WITH INJECTION MOLDED BEARING	(47) 22.06.2022	(21) EP17705351.9
(73) Multimatic, Inc.	(87) GB2016050324	(47) 22.06.2022
(72) SPARROW, Thomas Alexander	18.08.2016	(87) EP2017053093
GRUBER, Rudolf	(22) 11.02.2016	02.11.2017
ALEXANDER, Ryan Warren	(54) LINK MEMBER FOR A FLYWHEEL	(22) 13.02.2017
(31) 201862681990 P	(73) Punch Flybrid Limited	(54) SWITCHABLE OR CONTROLLABLE HYDROMOUNT
201762546091 P	(72) JONES, Daniel Richard	(73) ContiTech Vibration Control GmbH
(32) 07.06.2018	CROSS, Doug	(72) MARIENFELD, Peter
16.08.2017	(31) 201502358	WERHAHN, Max
(33) United States of America	(32) 12.02.2015	GENDERJAHN, Robert
United States of America	(33) United Kingdom	(31) 102016206946
(51) F16C 19/52	(51) F16D 3/2233	(32) 25.04.2016
F16C 33/58	F16D 3/2245	(33) Germany
G01L 5/00	(11) EP2778454	(51) F16F 15/04
G01L 1/24	(21) EP12847560.5	F16F 1/373
F16C 33/38	(47) 22.06.2022	G01M 1/16
(11) EP3722628	(87) JP2012077189	(11) EP3470810
(21) EP20167520.4	16.05.2013	(21) EP17877700.9
(47) 22.06.2022	(22) 22.10.2012	(47) 22.06.2022
(22) 01.04.2020	(54) FIXED CONSTANT-VELOCITY UNIVERSAL JOINT	(87) JP2017043187
(54) ROLLER BEARING, WIND TURBINE AND METHOD FOR CONTROLLING THE SAME	(73) NTN Corporation	14.06.2018
(73) SKF (China) Co Ltd	(72) HIRUKAWA Hiroyasu	(22) 30.11.2017
Aktiebolaget SKF	YAMAZAKI Kenta	(54) VIBRATION ISOLATION MEMBER AND IMBALANCE DETECTOR EQUIPPED WITH VIBRATION ISOLATION MEMBER
(72) Zeillinger, Robert	(31) 2011247445	(73) Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.
Xu, Jerry	(32) 11.11.2011	(72) YAMASHITA, Katsuya
Zhang, Lichao	(33) Japan	MIURA, Shuichi
Guo, Mingchun	(51) F16D 3/84	DAMMOTO, Yosuke
(31) 201910288865	(11) EP3728888	YOSHIKAWA, SHOTA
(32) 11.04.2019	(21) EP18803557.0	NAGAI, Naoyuki
(33) China	(47) 22.06.2022	(31) 2016237649
(51) F16C 33/20	(87) EP2018079428	(32) 07.12.2016
F16C 17/02	27.06.2019	(33) Japan
(11) EP3862586	(22) 26.10.2018	(51) F16G 13/16
(21) EP21155146.0	(54) SAFETY GUARD SUPPORT FOR POWER TAKE OFF JOINTS AND SHAFTS	(11) EP3755923
(47) 22.06.2022	(73) Sparex Limited	(21) EP19708962.6
(22) 04.02.2021	(72) BURGESS, Jeremy	(47) 22.06.2022
(54) SLIDING MEMBER	(31) 201721801	(87) EP2019054247
(73) DAIDO METAL COMPANY LTD.	(32) 22.12.2017	29.08.2019
(72) NAKAJIMA, Hideyuki	(33) United Kingdom	(22) 20.02.2019
(31) 2020018617	(51) F16D 55/224	(54) MONITORING SYSTEM FOR CABLE DRAG CHAINS
(32) 06.02.2020	F16D 55/31	(73) Igus GmbH
(33) Japan	F16D 65/52	(72) BARTEN, Dominik
(51) F16C 33/20	B61H 5/00	JAEKER, Thilo-Alexander
F16C 17/04	(11) EP3336374	(31) 202018100962 U
(11) EP3862587	(21) EP16306707.7	(32) 21.02.2018
(21) EP21155147.8	(47) 22.06.2022	(33) Germany
(47) 22.06.2022	(22) 16.12.2016	(51) F16H 1/28
(22) 04.02.2021	(54) MECHANICAL BRAKE	F16H 57/08
(54) SLIDING MEMBER	(73) Ratier-Figeac SAS	(11) EP3707408
(73) DAIDO METAL COMPANY LTD.	(72) PROUZET, Bertrand	(21) EP18877015.0
(72) NAKAJIMA, Hideyuki	(51) F16D 55/36	(47) 22.06.2022
(31) 2020018619	(11) EP3770457	(87) CA2018051419
(32) 06.02.2020	(21) EP20195491.4	16.05.2019
(33) Japan	(47) 22.06.2022	
(51) F16D 3/06	(22) 14.11.2016	

(22) 08.11.2018	(21) EP19197527.5	F16H 61/688
(54) GEARBOX	(47) 22.06.2022	(11) EP3494329
(73) Genesis Advanced Technology Inc.	(22) 16.09.2019	(21) EP17746122.5
(72) KLASSEN, James Brent	(54) POWER TRANSMISSION DEVICE FOR	(47) 22.06.2022
BOS, Richard	VEHICLE	(87) EP2017069448
(31) 201862757158 P	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	08.02.2018
201762583484 P	(72) FUKAI, Masayuki	(22) 01.08.2017
(32) 07.11.2018	HARASHIMA, Terasu	(54) HYDRAULIC SYSTEM FOR AN
08.11.2017	OITA, Shinji	AUTOMATIC TRANSMISSION OF A
(33) United States of America	FUJIKAWA, Megumi	MOTOR VEHICLE
United States of America	OHGATA, Yusuke	(73) Audi AG
(51) F16H 7/02	(31) 2018195439	(72) WEINHARDT, Mathias
B60T 13/74	(32) 16.10.2018	(31) 102016214375
F16G 1/28	(33) Japan	(32) 03.08.2016
F16H 55/38	(51) F16H 55/08	(33) Germany
F16G 1/10	F16H 1/28	(51) F16H 63/18
(11) EP3617551	F16H 1/46	F16H 61/32
(21) EP18791688.7	F16H 1/26	(11) EP3597968
(47) 22.06.2022	(11) EP3768994	(21) EP19187058.3
(87) JP2018013062	(21) EP19711330.1	(47) 22.06.2022
01.11.2018	(47) 22.06.2022	(22) 18.07.2019
(22) 28.03.2018	(87) EP2019056389	(54) A GEARBOX ASSEMBLY
(54) HELICALLY TOOTHED BELT POWER	26.09.2019	(73) Williams Grand Prix Engineering Limited
TRANSMITTING DEVICE	(22) 14.03.2019	(72) Oxley, Alistair
(73) Mitsuboshi Belting Ltd.	(54) PLANETARY GEARBOX HAVING	Nevill, Doug
(72) SUZUKI, Norihito	SINGLE-TOOTH SUN GEAR HAVING	(31) 201811724
IDEGUCHI, Isao	EVOLOID TOOTHING	(32) 18.07.2018
YOSHIDA, Masakuni	(73) MAUL KONSTRUKTIONEN GMBH	(33) United Kingdom
(31) 2018037197	(72) MAUL, Hans-Erich	(51) F16H 63/34
2017088566	(31) 102018107021	(11) EP3943784
(32) 02.03.2018	(32) 23.03.2018	(21) EP21183648.1
27.04.2017	(33) Germany	(47) 22.06.2022
(33) Japan	(51) F16H 55/36	(22) 05.07.2021
Japan	(11) EP3623660	(54) VEHICLE PARKING LOCK MECHANISM
(51) F16H 19/06	(21) EP19195052.6	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(11) EP3797230	(47) 22.06.2022	(72) MORISE, Masaru
(21) EP19725679.5	(22) 03.09.2019	(31) 2020124777
(47) 22.06.2022	(54) A PULLEY COMPRISING AN INSERT	(32) 21.07.2020
(87) EP2019062671	(73) Ford Global Technologies, LLC	(33) Japan
28.11.2019	(72) KWOK, Ada	(51) F16J 15/00
(22) 16.05.2019	FISK, Thomas	F16J 15/16
(54) TWISTED STRING TRANSMISSION	WADE, Robert	F16J 15/44
(73) Bioservo Technologies Aktiefolag	MOORES, Jason	F01D 11/00
(72) EWALDSSON, Martin, Oskar, Gustaf	(31) 201814925	F16J 15/34
(31) 1850594	(32) 13.09.2018	(11) EP3680518
(32) 21.05.2018	(33) United Kingdom	(21) EP19218056.0
(33) Sweden	(51) F16H 61/02	(47) 22.06.2022
(51) F16H 25/20	F16H 61/68	(22) 19.12.2019
F16H 25/22	G01M 13/02	(54) SEAL ASSEMBLY WITH BUFFERED LIP
(11) EP3633234	(11) EP3129682	SEAL
(21) EP19200936.3	(21) EP15741937.5	(73) Rolls-Royce Corporation
(47) 22.06.2022	(47) 22.06.2022	(72) Black, Joseph
(22) 01.10.2019	(87) EP2015057516	(31) 201916697398
(54) LINEAR ACTUATOR WITH	15.10.2015	201962792260 P
ALTERNATE POWER PATH AND A	(22) 07.04.2015	(32) 27.11.2019
CORRESPONDING METHOD	(54) METHOD FOR EVALUATING THE	14.01.2019
(73) Eaton Intelligent Power Limited	SHIFTING BEHAVIOUR OF A MOTOR	(33) United States of America
(72) FOOTE, Peter	VEHICLE TRANSMISSION	United States of America
IUGA, Ioan	(73) AVL List GmbH	(51) F16J 15/34
(31) 201916585112	(72) BOGNER, Erik	F16H 57/029
201862739937 P	MUELLER-WERTH, Thomas Frank	F16C 33/78
(32) 27.09.2019	WOHLFAHRT, Martin	(11) EP3267079
02.10.2018	SCHATZ, Patrick	(21) EP16275097.0
(33) United States of America	PFLUEGER, Falko	(47) 22.06.2022
United States of America	(31) 102014005398	(22) 08.07.2016
(51) F16H 37/02	(32) 11.04.2014	(54) ROTARY SEALING ARRANGEMENT
F16D 41/14	(33) Germany	(73) Goodrich Actuation Systems Limited
(11) EP3640500	(51) F16H 61/12	

(72) Davies, Stephen	LEFOL, Frédéric Jacques Gérard	(73) Westinghouse Electric Company LLC
(51) F16K 11/02	(31) 1560383	(72) WEPFER, Robert, M.
F16K 11/048	(32) 29.10.2015	(31) 201113197010
F16K 17/02	(33) France	(32) 03.08.2011
F16K 17/04	(51) F21S 41/147	(33) United States of America
F16K 27/02	F21S 41/26	(51) F22B 37/00
F24D 19/10	F21S 41/29	F22B 37/58
(11) EP3388721	F21S 41/33	B23P 19/02
(21) EP16873246.9	F21S 41/39	G21D 1/00
(47) 22.06.2022	F21S 45/47	(11) EP3453960
(87) KR2016013148	B60Q 1/00	(21) EP18188017.0
15.06.2017	(11) EP3221185	(47) 22.06.2022
(22) 15.11.2016	(21) EP15804171.5	(22) 08.08.2018
(54) THREE-WAY VALVE	(47) 22.06.2022	(54) METHOD FOR DISMANTLING A
(73) Kyungdong Navien Co., Ltd.	(87) FR2015053113	STEAM GENERATOR
(72) YANG, Hyun Ik	26.05.2016	(73) Nukem Technologies Engineering
MIN, Man Hong	(22) 18.11.2015	Services GmbH
(31) 20150173321	(54) LIGHTING UNIT FOR A VEHICLE AND	(72) BIENIA, Harald
(32) 07.12.2015	CORRESPONDING VEHICLE	BRÜGGEMANN, Pascal
(33) Korea (Republic)	(73) Renault s.a.s	(31) 102017118075
(51) F16L 9/18	(72) GROSDIDIER, François	(32) 09.08.2017
F16L 27/087	(31) 1461158	(33) Germany
F16L 39/00	(32) 18.11.2014	(51) F23D 23/00
F16L 39/04	(33) France	F23J 11/02
(11) EP2705291	(51) F21V 15/01	F23L 3/00
(21) EP12779287.7	F21Y 115/10	(11) EP3837472
(47) 22.06.2022	(11) EP3788301	(21) EP19718658.8
(87) US2012035340	(21) EP19728127.2	(47) 22.06.2022
08.11.2012	(47) 22.06.2022	(87) EP2019059612
(22) 27.04.2012	(87) IB2019053583	20.02.2020
(54) APPARATUS FOR AXIALLY	07.11.2019	(22) 15.04.2019
TRANSFERRING FLUIDS TO A	(22) 02.05.2019	(54) ASSEMBLY HAVING TWO BURNERS
PLURALITY OF COMPONENTS	(54) LUMINAIRE	(73) Truma Gerätetechnik GmbH & Co. KG
(73) Allison Transmission, Inc.	(73) Wiva Group S.P.A.	(72) SCHMOLL, Andreas
(72) REDELMAN, James A.	(72) RANIERI, Giuseppe	ARMBRUSTER, Uwe
ANDERSON, Mark L.	BARTOLINI, Gianni	(31) 102018006493
RASZKOWSKI, James A.	ANGIOLONI, Marco	(32) 17.08.2018
(31) 201113099584	TRENTI, Luigi	(33) Germany
(32) 03.05.2011	(31) 201800004998	(51) F23K 5/00
(33) United States of America	(32) 02.05.2018	(11) EP3757459
(51) F16P 3/14	(33) Italy	(21) EP19183158.5
H04N 13/239	(51) F21V 21/088	(47) 22.06.2022
H04N 13/271	H05B 47/105	(22) 28.06.2019
G06V 20/52	(11) EP3330592	(54) DEVICE FOR HANDLING
G06V 20/64	(21) EP17203804.4	COMBUSTION GAS
(11) EP3200122	(47) 22.06.2022	(73) Pittway Sarl
(21) EP16152709.8	(22) 27.11.2017	(72) KAMMERAHL, Andreas
(47) 22.06.2022	(54) TRANSPORTABLE AND PORTABLE	METKER, Clemens
(22) 26.01.2016	LAMP AND METHOD FOR SWITCHING	PETERSMANN, Martin
(54) OPTOELECTRONIC SENSOR AND	SUCH A LAMP	OLDEHUS, Ulrich
METHOD FOR SECURE DETECTION	(73) Eaton Protection Systems IP GmbH &	BAARDA, Gerrit Jan
OF OBJECTS OF AT LEAST A CERTAIN	Co. KG	QUATMANN, Anton
SIZE	(72) BURMEISTER, Jens	MUNSTERHUIS, Wim
(73) SICK AG	OTT, Toni	(51) F23N 5/02
(72) Braune, Ingolf	(31) 102016224067	(11) EP3816513
(51) F17C 7/02	(32) 02.12.2016	(21) EP19205660.4
F04B 15/08	(33) Germany	(47) 22.06.2022
(11) EP3368815	(51) F22B 37/00	(22) 28.10.2019
(21) EP16859050.3	F22B 1/02	(54) METHOD FOR IMPROVING
(47) 22.06.2022	F16K 17/30	THE HOMOGENIZATION OF
(87) CN2016103566	(11) EP2740126	THE TEMPERATURES IN A
04.05.2017	(21) EP12820123.3	STEAM METHANE REFORMER
(22) 27.10.2016	(47) 22.06.2022	BY ADJUSTING THE POWER
(54) DEVICE FOR TRANSPORTING	(87) US2012046340	DISTRIBUTION
LIQUEFIED GAS AND METHOD	07.02.2013	(73) L'AIR LIQUIDE, SOCIETE ANONYME
THEREOF	(22) 12.07.2012	POUR L'ETUDE ET L'EXPLOITATION
(73) Cryodirect Limited	(54) NUCLEAR STEAM GENERATOR	DES PROCEDES GEORGES CLAUDE
(72) FIAT, Pierre	STEAM NOZZLE FLOW RESTRICTOR	(72) TUDORACHE, Diana

LAGARDE, Julien	(31) 201615395314	F24F 11/36
AMMOURI, Fouad	(32) 30.12.2016	F24F 11/89
LODIER, Guillaume	(33) United States of America	F24F 13/22
(51) F23N 5/08	(51) F24C 15/02	G01M 3/18
F23N 5/24	A47B 77/02	(11) EP3901526
F23R 3/34	(11) EP3450855	(21) EP20171304.7
F23R 3/50	(21) EP18186649.2	(47) 22.06.2022
(11) EP3757460	(47) 22.06.2022	(22) 24.04.2020
(21) EP19183461.3	(22) 31.07.2018	(54) CEILING-MOUNTED AIR
(47) 22.06.2022	(54) MINI-OVEN WITH A COVERING	CONDITIONING UNIT FOR A HEAT
(22) 28.06.2019	ELEMENT FOR THE OPENING OF THE	PUMP COMPRISING A REFRIGERANT
(54) GAS TURBINE ENGINE WITH	COOKING CAVITY OF THE MINI-OVEN	CIRCUIT WITH A REFRIGERANT
ACTIVE PROTECTION FROM FLAME	(73) SEB Asia Limited	LEAKAGE SENSOR
EXTINCTION AND METHOD OF	(72) CHAN, Chi-Wah	(73) Daikin Europe N.V.
OPERATING A GAS TURBINE ENGINE	(31) 1852708	Daikin Industries, Ltd.
(73) Ansaldo Energia Switzerland AG	1758062	(72) Srail, Tomas
(72) SINGLA, Ghislain	(32) 28.03.2018	Kokes, Lukas
SMITH, Richard	31.08.2017	Zdvoranova, Adela
SIERRA SANCHEZ, Patricia	(33) France	(51) F24F 1/22
(51) F23R 3/06	France	F24F 1/10
F23R 3/16	(51) F24C 15/16	F24F 1/16
F23R 3/00	(11) EP3781872	F24F 1/38
(11) EP3559555	(21) EP19709879.1	F24F 1/12
(21) EP17883134.3	(47) 22.06.2022	F24F 1/40
(47) 22.06.2022	(87) EP2019055422	(11) EP3764003
(87) US2017061697	24.10.2019	(21) EP19774862.7
28.06.2018	(22) 05.03.2019	(47) 22.06.2022
(22) 15.11.2017	(54) OVEN	(87) JP2019012197
(54) COMPONENT FOR A GAS TURBINE	(73) Paul Hettich GmbH & Co. KG	03.10.2019
ENGINE WITH A CONTURED	(72) REDIKOP, Christian	(22) 22.03.2019
COOLING PASSAGE	BRAUN, Johann	(54) REFRIGERATION CYCLE DEVICE
(73) GENERAL ELECTRIC COMPANY	LEßMANN, Johann-Sebastian	(73) DAIKIN INDUSTRIES, LTD.
(72) WERTZ, Aaron	REHAGE, Daniel	(72) UKIBUNE, Masanori
(31) 201615390084	(31) 102018109429	OKAMOTO, Tetsuya
(32) 23.12.2016	(32) 19.04.2018	HISAYAMA, Kazushi
(33) United States of America	(33) Germany	TSUMURA, Yoshinobu
(51) F23R 3/28	(51) F24C 15/20	CHEN, Kebi
F23R 3/34	(11) EP3686496	(31) 2018070228
F02C 7/22	(21) EP19213481.5	(32) 30.03.2018
(11) EP3598004	(47) 22.06.2022	(33) Japan
(21) EP19185516.2	(22) 04.12.2019	(51) F24F 8/00
(47) 22.06.2022	(54) VAPOUR HOOD AND METHOD FOR	F24F 8/108
(22) 10.07.2019	CHANGING FILTER UNITS	F24F 13/20
(54) MULTIPOINT INJECTION SYSTEM FOR	(73) Miele & Cie. KG	(11) EP2175962
A GAS TURBINE ENGINE	(72) Schüsseler, Dirk	(21) EP08793094.7
(73) Collins Engine Nozzles, Inc.	Eckardt, Gerd	(47) 22.06.2022
(72) RYON, Jason A.	Robbert, Andreas	(87) KR2008004580
SAMO, Joseph	(31) 102019101589	12.02.2009
ZINK, Gregory A.	(32) 23.01.2019	(22) 07.08.2008
PROCIW, Lev Alexander	(33) Germany	(54) AIR CLEANER
(31) 201816031696	(51) F24D 10/00	(73) Woongjin Coway Co., Ltd.
(32) 10.07.2018	F24D 19/10	(72) KIM, Seung Ki
(33) United States of America	F28D 20/00	BAE, Jun Hyung
(51) F23R 3/34	(11) EP3818305	(31) 20070096111
F23R 3/10	(21) EP19733700.9	20070079680
F23D 14/64	(47) 22.06.2022	(32) 20.09.2007
(11) EP3346187	(87) EP2019066153	08.08.2007
(21) EP17208181.2	09.01.2020	(33) Korea (Republic)
(47) 22.06.2022	(22) 19.06.2019	Korea (Republic)
(22) 18.12.2017	(54) GEOTHERMAL HEATING SYSTEM AND	(51) F24F 11/00
(54) FUEL INJECTORS AND METHODS OF	A CONTROLLER FOR THE SAME	F24F 12/00
USE IN GAS TURBINE COMBUSTOR	(73) E.ON Sverige AB	F24F 11/30
(73) General Electric Company	(72) EKESTUBBE, Jonas	F24F 11/74
(72) NATARAJAN, Jayaprakash	(31) 18181409	F24F 110/00
DICINTIO, Richard Martin	(32) 03.07.2018	(11) EP3173706
HOFFMAN, Seth Reynolds	(33) European Patent Office (EPO)	(21) EP16200481.6
ZHAO, Wei	(51) F24F 1/0047	(47) 22.06.2022
PENTECOST, Ronnie Ray		(22) 24.11.2016

(54) DEVICE FOR AIR EXCHANGE IN BUILDINGS	(21) EP16883640.1 (47) 22.06.2022	(72) VANDERMEULEN, Peter F. (31) 201361783176 P (32) 14.03.2013 (33) United States of America
(73) LIMODOR Lüftungstechnik GmbH & Co KG	(87) JP2016050578 13.07.2017	<hr/>
(72) Wissing, Ralf Weigl, Andreas	(22) 08.01.2016	(51) F25B 49/02
(31) 510162015	(54) AIR-CONDITIONING DEVICE	F25B 5/02
(32) 27.11.2015	(73) Mitsubishi Electric Corporation	G05B 23/02
(33) Austria	(72) MORIMOTO, Osamu	F24F 11/36
<hr/>	INOUE, Seiji	F24F 11/52
(51) F24F 13/22	ISHIMURA, Katsuhiro	F25B 13/00
C02F 1/50	MOTOMURA, Yuji	(11) EP3572744
C02F 1/68	<hr/>	(21) EP17892453.6
(11) EP3450874	(51) F25B 1/00	(47) 22.06.2022
(21) EP18192107.3	F25D 23/06	(87) JP2017001766
(47) 22.06.2022	F25D 23/10	26.07.2018
(22) 31.08.2018	F16L 59/065	(22) 19.01.2017
(54) HVAC FLUID CHEMICAL TREATMENT SYSTEM	(11) EP3500804	(54) REFRIGERATION CYCLE APPARATUS
(73) AC Freeflow, LLC	(21) EP16913611.6	(73) Mitsubishi Electric Corporation
(72) SPICER, Louis	(47) 22.06.2022	(72) WADA, Makoto
ITALIA, Richmond	(87) US2016047558	ISHIMURA, Katsuhiro
(31) 201816117895	22.02.2018	MATSUDA, Takuya
201762553253 P	(22) 18.08.2016	MOTOMURA, Yuji
(32) 30.08.2018	(54) REFRIGERATOR CABINET	<hr/>
01.09.2017	(73) Whirlpool Corporation	(51) F25D 21/14
(33) United States of America	(72) NAIK, Abhay	F25D 17/06
United States of America	ALLARD, Paul B.	(11) EP3722711
<hr/>	BECKNER, Jeffrey P.	(21) EP19739003.2
(51) F24S 25/30	FRATTINI, Gustavo	(47) 22.06.2022
F24S 25/632	HUNTER, Lynne F.	(87) CN2019070868
F24S 25/634	<hr/>	18.07.2019
F24S 25/70	(51) F25B 9/14	(22) 08.01.2019
(11) EP3865784	(11) EP3775718	(54) REFRIGERATOR
(21) EP20157504.0	(21) EP19718976.4	(73) Haier Smart Home Co., Ltd.
(47) 22.06.2022	(47) 22.06.2022	(72) XU, Chaoge
(22) 14.02.2020	(87) US2019025945	LI, Hongliang
(54) SYSTEM AND METHOD FOR MOUNTING A SOLAR PANEL ONTO A SUBSTANTIALLY FLAT MOUNTING SURFACE	17.10.2019	WU, Guangrui
(73) Esdec B.V.	(22) 05.04.2019	DING, Xiao
(72) DE GRAAF, Jan-Floris	(54) PNEUMATIC DRIVE CRYOCOOLER	LI, Penghui
SMIT, Maarten Alexander	(73) Edwards Vacuum LLC	LIANG, Xing
GOORMAN, Johannes Sander	(72) STIRA, Mark A.	CHEN, Qing
<hr/>	BARTLETT, Allen J.	WANG, Ning
(51) F24S 30/40	SALVETTI, Matteo F.	LIU, Chang
(11) EP3516309	SYSSOEV, Sergei	(31) 201810020184
(21) EP17780887.0	(31) 201862655093 P	201810020183
(47) 22.06.2022	(32) 09.04.2018	201810019798
(87) IB2017055268	(33) United States of America	201810020188
29.03.2018	<hr/>	(32) 09.01.2018
(22) 01.09.2017	(51) F25B 21/02	09.01.2018
(54) SOLAR PANEL TRACKING SYSTEM	F28D 15/02	09.01.2018
(73) SOLARISFLOAT, LDA.	F25D 17/06	09.01.2018
(72) CORREIA, Nuno	(11) EP3540336	(33) China
GOMES, Carla	(21) EP19157115.7	China
TEIXEIRA DA SILVA, Jorge	(47) 22.06.2022	China
PINA, Luis	(22) 14.02.2019	China
MOITA, Nuno	(54) REFRIGERATOR	<hr/>
PINTO, Ricardo	(73) LG Electronics Inc.	(51) F25D 25/02
(31) 2016109620	(72) Lee, Woosung	A47B 88/90
(32) 20.09.2016	Lee, Jihun	A47B 88/427
(33) Portugal	(31) 20180029205	(11) EP3722715
<hr/>	(32) 13.03.2018	(21) EP18886891.3
(51) F25B 1/00	(33) Korea (Republic)	(47) 22.06.2022
F25B 13/00	<hr/>	(87) CN2018112302
F25B 25/00	(51) F25B 29/00	13.06.2019
F24F 1/26	F25B 30/00	(22) 29.10.2018
F24F 1/32	F24F 3/14	(54) DRAWER ASSEMBLY STRUCTURE AND REFRIGERATOR HAVING SAME
F24F 1/0007	(11) EP3614072	(73) Qingdao Haier Co., Ltd.
(11) EP3401609	(21) EP19197884.0	(72) HE, Wenhua
	(47) 22.06.2022	WANG, Ning
	(22) 14.03.2014	ZHANG, Heng
	(54) SPLIT LIQUID DESICCANT AIR CONDITIONING SYSTEM	
	(73) Emerson Climate Technologies, Inc.	

JIANG, Xiaokui	(33) Sweden	07.12.2017
(31) 201711299036	(51) F28D 15/02	(22) 17.05.2017
(32) 08.12.2017	F25D 9/00	(54) HEAT EXCHANGER TUBE
(33) China	H01L 23/473	(73) Wieland-Werke AG
(51) F25D 29/00	H05K 7/20	(72) EL HAJAL, Jean
(11) EP3702708	H01L 23/427	GOTTERBARM, Achim
(21) EP19160325.7	H01L 23/467	KNAB, Manfred
(47) 22.06.2022	(11) EP3096103	LUTZ, Ronald
(22) 01.03.2019	(21) EP15737056.0	(31) 102016006914
(54) METHOD AND DEVICE FOR COOLING	(47) 22.06.2022	(32) 01.06.2016
FOOD PRODUCTS	(87) JP2015000163	(33) Germany
(73) Electrolux Professional S.p.A.	23.07.2015	(51) F28F 9/00
(72) FABIAN, Federico	(22) 15.01.2015	(11) EP3444555
MENEGHIN, Ilaria	(54) COOLING APPARATUS AND	(21) EP17461591.4
GALLINA, Riccardo	ELECTRONIC APPARATUS	(47) 22.06.2022
(51) F26B 3/02	(73) NEC Corporation	(22) 17.08.2017
F26B 21/00	(72) SAKAMOTO, Hitoshi	(54) FRAME FOR A HEAT EXCHANGER
F26B 3/06	HACHIYA, Mahiro	(73) Valeo Autosystemy Sp. z o.o.
F26B 11/04	YOSHIKAWA, Minoru	(72) SUS, Pawel
(11) EP3551950	(31) 2014005775	KACZMARCZYK, Mateusz
(21) EP17877660.5	(32) 16.01.2014	(51) F41A 17/32
(47) 22.06.2022	(33) Japan	F41A 17/56
(87) US2017065290	(51) F28F 1/32	F41A 19/12
14.06.2018	F25D 21/04	F41A 19/44
(22) 08.12.2017	F28F 17/00	F41A 17/46
(54) ACCELERATED DRYING OF SOFT	F28F 13/18	(11) EP3865807
CAPSULES IN A CONTROLLED	F28F 13/04	(21) EP21156874.6
ENVIRONMENT	F28F 19/00	(47) 22.06.2022
(73) R.P. Scherer Technologies, LLC	(11) EP3059541	(22) 12.02.2021
(72) HART, Norton Richard	(21) EP13895540.6	(54) SAFETY MECHANISM FOR FIREARMS
FULPER, Lester David	(47) 22.06.2022	(73) Sturm Ruger&Company, Inc.
(31) 201662431569 P	(87) JP2013006134	(72) LESENFANTS, Marc
(32) 08.12.2016	23.04.2015	(31) 202062975247 P
(33) United States of America	(22) 15.10.2013	(32) 12.02.2020
(51) F27B 1/02	(54) METHOD OF PRESERVING HEAT	(33) United States of America
C21C 5/46	EXCHANGE SURFACE AND METHOD	(51) F41G 1/16
F27D 3/18	OF COOLING MOIST AIR	F41G 1/38
F27D 3/16	(73) NATOMICS Co., Ltd.	F41G 1/54
F27B 1/20	(72) MATSUSHITA, Sho	(11) EP3737908
F27B 1/16	SEKI, Mitsuo	(21) EP19705225.1
F27D 99/00	OHKUBO, Hidetoshi	(47) 22.06.2022
(11) EP3559578	(51) F28F 1/40	(87) IB2019050670
(21) EP17818592.2	F28F 1/42	29.08.2019
(47) 22.06.2022	F28F 1/18	(22) 28.01.2019
(87) EP2017084517	F28F 1/36	(54) BALLISTIC CORRECTION DEVICE FOR
28.06.2018	(11) EP3465055	THE SIGHT MEMBERS OF WEAPONS
(22) 22.12.2017	(21) EP17725858.9	(73) Piazza, Fabrizio
(54) A LANCE TUBE	(47) 22.06.2022	Petrone, Giuseppe Vittorio
(73) AB Sandvik Materials Technology	(87) EP20170000596	Baggio, Roberto
(72) HÄLL, Henrik	07.12.2017	(72) Petrone, Giuseppe Vittorio
ERIKSSON, Olle	(22) 17.05.2017	Piazza, Fabrizio
(31) 16206888	(54) HEAT EXCHANGER TUBE	Baggio, Roberto
(32) 23.12.2016	(73) Wieland-Werke AG	(31) 201800002838
(33) European Patent Office (EPO)	(72) GOTTERBARM, Achim	(32) 20.02.2018
(51) F28D 9/00	KNAB, Manfred	(33) Italy
F28F 3/04	EL HAJAL, Jean	(51) F41H 11/02
(11) EP3149423	LUTZ, Ronald	B64C 39/02
(21) EP15726105.8	(31) 102016006967	F41H 11/04
(47) 22.06.2022	(32) 01.06.2016	(11) EP3540364
(87) EP2015061753	(33) Germany	(21) EP19162336.2
03.12.2015	(51) F28F 1/40	(47) 22.06.2022
(22) 27.05.2015	F28F 1/42	(22) 12.03.2019
(54) HEAT EXCHANGER	F28F 1/18	(54) DRONE INTERCEPTOR SYSTEM,
(73) SWEP International AB	F28F 1/36	AND METHODS AND COMPUTER
(72) DAHLBERG, Tomas	(11) EP3465057	PROGRAM PRODUCTS USEFUL IN
ANDERSSON, Sven	(21) EP17727102.0	CONJUNCTION THEREWITH
(31) 1450634	(47) 22.06.2022	(73) Elta Systems Ltd.
(32) 27.05.2014	(87) EP20170000595	(72) Klar, Gil

(31) 25807718	REID, Eric M.	(54) A GEO-FENCE SYSTEM
(32) 13.03.2018	(31) 201916658751	(73) eBay, Inc.
(33) Israel	(32) 21.10.2019	(72) CHEUNG, Dennis
(51) F42B 12/24	(33) United States of America	(31) 201314098111
F42B 12/32	(51) G01B 21/04	(32) 05.12.2013
(11) EP3403047	G01B 11/03	(33) United States of America
(21) EP16701721.9	(11) EP3821202	(51) G01C 11/00
(47) 22.06.2022	(21) EP19742306.4	G06F 30/12
(87) CH2016000005	(47) 22.06.2022	G06F 30/13
20.07.2017	(87) EP2019068290	G06T 17/05
(22) 15.01.2016	16.01.2020	G01C 15/00
(54) WARHEAD	(22) 08.07.2019	G06T 17/00
(73) Saab Bofors Dynamics Switzerland Ltd.	(54) APPARATUS AND METHOD FOR	(11) EP2883215
(72) GRUNDER, Bruno	CONTACTLESS CHECKING OF THE	(21) EP13829448.3
CONRAD, Markus	DIMENSIONS AND/OR SHAPE OF A	(47) 22.06.2022
HERREN, Christian	COMPLEX-SHAPED BODY	(87) AU2013000864
(51) G01B 11/06	(73) Marposs Societa' Per Azioni	20.02.2014
G01B 11/25	(72) DALLA CASA, Maurizio	(22) 07.08.2013
G01N 21/90	CONTI, Pier Paolo	(54) BUILDING MODELLING SYSTEM
(11) EP3791129	(31) 201800007052	(73) Auto-Measure Pty Limited
(21) EP19722135.1	201800007050	(72) BOSDRIESZ, James
(47) 22.06.2022	(32) 10.07.2018	(31) 2013203521
(87) EP2019061866	10.07.2018	2012903470
14.11.2019	(33) Italy	(32) 10.04.2013
(22) 08.05.2019	Italy	13.08.2012
(54) METHOD FOR CHECKING AN OBJECT	(51) G01B 21/04	(33) Australia
MADE OF TRANSPARENT MATERIAL	G01B 11/24	Australia
AND CORRESPONDING CHECKING	(11) EP3693697	(51) G01C 21/32
SYSTEM	(21) EP19155778.4	B60W 50/00
(73) Marposs Societa' Per Azioni	(47) 22.06.2022	G06F 16/29
(72) DALLA CASA, Maurizio	(22) 06.02.2019	G06T 11/20
MONTECCHI, Marco	(54) METHOD FOR CALIBRATING A 3D	(11) EP3259558
(31) 201800005143	MEASUREMENT ARRANGEMENT AND	(21) EP16706909.5
(32) 08.05.2018	3D MEASUREMENT ARRANGEMENT	(47) 22.06.2022
(33) Italy	(73) OptiNav Sp. z o.o.	(87) IB2016050914
(51) G01B 11/24	(72) Kraszewski, Maciej	25.08.2016
A61C 9/00	Wójcik, Adrian	(22) 19.02.2016
A61B 5/00	Jaworski, David	(54) METHOD AND APPARATUS FOR
A61B 5/107	(51) G01B 21/16	CONVERTING FROM AN ANALYTICAL
G06T 7/50	G06F 30/00	CURVE ROAD GEOMETRY TO A
G01B 11/25	G06T 19/00	CLOTHOID ROAD GEOMETRY
H04N 13/204	G06T 19/20	(73) HERE Global B.V.
(11) EP3685118	F01D 5/00	(72) DORUM, Ole Henry
(21) EP19731558.3	F01D 5/22	(31) 201514625754
(47) 22.06.2022	F01D 11/00	(32) 19.02.2015
(87) US2019035160	(11) EP3130887	(33) United States of America
16.04.2020	(21) EP16183799.2	(51) G01D 5/14
(22) 03.06.2019	(47) 22.06.2022	H01F 1/032
(54) DEVICE AND METHOD FOR	(22) 11.08.2016	H01F 41/02
DETERMINING SURFACE TOPOLOGY	(54) VIRTUAL TURBOMACHINE BLADE	(11) EP3637060
AND ASSOCIATED COLOR	CONTACT GAP INSPECTION	(21) EP19208301.2
(73) DENTSPLY SIRONA Inc.	(73) General Electric Company	(47) 22.06.2022
(72) TEWES, Michael	(72) CONNOR, James Ryan	(22) 23.01.2014
BERNER, Markus	ERNO, Jeffrey David	(54) CONTOURED-FIELD MAGNETS
(31) 201816154805	SALM, Jacob Andrew	(73) Arnold Magnetic Technologies AG
(32) 09.10.2018	(31) 201514824464	(72) MARTINEK, Gerhard
(33) United States of America	(32) 12.08.2015	WYSS, Urs
(51) G01B 11/24	(33) United States of America	(31) 201313803933
G01B 11/245	(51) G01C 9/00	201361758369 P
G05B 19/418	H04W 4/02	(32) 14.03.2013
(11) EP3812699	H04W 4/021	30.01.2013
(21) EP20193918.8	G06Q 30/02	(33) United States of America
(47) 22.06.2022	(11) EP3074723	United States of America
(22) 01.09.2020	(21) EP14867705.7	(51) G01D 5/20
(54) SCANNING APPARATUS AND	(47) 22.06.2022	G01B 7/00
METHOD OF SCANNING	(87) US2014068803	(11) EP3708966
(73) The Boeing Company	11.06.2015	(21) EP20167042.9
(72) VALENZUELA, Dario I.	(22) 05.12.2014	(47) 22.06.2022

(22) 22.02.2017	(32) 17.11.2017	(21) EP12714639.7
(54) METHOD FOR ASSEMBLING A SENSOR	06.04.2017	(47) 22.06.2022
(73) MediaTek Inc.	(33) Germany	(87) EP2012056102
(72) Muratov, Vladimir A. Shiu, Da-shan	Germany	11.10.2012
(31) 201715434315	(51) G01D 21/00	(22) 03.04.2012
201662298512 P	G06F 13/40	(54) VIBRATION TYPE MEASURING TRANSDUCER AND METHOD FOR ITS PRODUCTION
(32) 16.02.2017	H03K 19/0175	(73) Endress+Hauser Flowtec AG
23.02.2016	G05B 19/042	(72) HUBER, Christof
(33) United States of America	(11) EP3388793	WIESMANN, Michael
United States of America	(21) EP18162788.6	ANKLIN, Martin
(51) G01D 5/20	(47) 22.06.2022	DRAHM, Wolfgang
G01P 3/48	(22) 20.03.2018	RIEDER, Alfred
F02D 41/00	(54) ELECTRONIC ASSEMBLY FOR PERIPHERAL DEVICES OF AN AIRCRAFT	(31) 102011006971
G01P 3/488	(73) Liebherr-Aerospace Lindenberg GmbH	(32) 07.04.2011
F02D 41/28	(72) Fink, Cornelius	(33) Germany
(11) EP3622255	Immler, Thomas	(51) G01F 1/84
(21) EP18724221.9	(31) 102017003660	G01F 15/18
(47) 22.06.2022	(32) 13.04.2017	F16L 41/02
(87) EP2018062128	(33) Germany	G01N 9/00
15.11.2018	(51) G01F 1/00	G01N 11/16
(22) 09.05.2018	G01F 1/66	(11) EP3458815
(54) MEASURING ARRANGEMENT FOR MEASURING A ROTATIONAL POSITION AND/OR A ROTATIONAL SPEED OF A CRANKSHAFT	G01F 15/14	(21) EP17720468.2
(73) Rheinmetall Air Defence AG	G02B 6/44	(47) 22.06.2022
(72) FRICK, Henry Roger	G02B 6/50	(87) EP2017060079
(31) 102018108019	(11) EP3665441	23.11.2017
102017110391	(21) EP18769419.5	(22) 27.04.2017
(32) 05.04.2018	(47) 22.06.2022	(54) FLUID PIPE SYSTEM WITH MANIFOLD FOR THE VIBRONIC MEASUREMENT OF PHYSICAL PARAMETERS OF FLOWING FLUIDS
12.05.2017	(87) GB2018052287	(73) Endress+Hauser Flowtec AG
(33) Germany	14.02.2019	(72) WERNER, Marc
Germany	(22) 10.08.2018	SCHLACHTER, Natalie
(51) G01D 5/244	(54) CONTAINMENT SYSTEM FOR SENSING ELEMENTS	(31) 102016109058
H02K 11/21	(73) Nuron Limited	(32) 17.05.2016
H02P 6/16	(72) MCCULLOCH, Andrew	(33) Germany
H02P 21/18	DICKENSON, Paul	(51) G01F 23/24
(11) EP3832264	AINGER, Michael	G01F 23/263
(21) EP20211502.8	(31) 201712911	(11) EP3740741
(47) 22.06.2022	(32) 11.08.2017	(21) EP18829317.9
(22) 03.12.2020	(33) United Kingdom	(47) 22.06.2022
(54) ENCODER OFFSET FINE TUNING	(51) G01F 1/66	(87) EP2018085471
(73) Rockwell Automation Technologies, Inc.	G01F 1/667	25.07.2019
(72) Li, Bing	G01F 15/02	(22) 18.12.2018
MATSUO, Takayoshi	G01F 25/10	(54) PROBE UNIT
(31) 201916702350	G01N 29/12	(73) Endress+Hauser SE+Co. KG
(32) 03.12.2019	G01N 29/44	(72) LINIGER, Jeannette
(33) United States of America	(11) EP3298359	BECHTEL, Gerd
(51) G01D 11/30	(21) EP16718683.2	SCHMIDT, Robert
E04G 21/04	(47) 22.06.2022	FERRARO, Franco
B66C 13/44	(87) EP2016059308	HUWYLER, Willy
B66C 13/46	24.11.2016	(31) 102018101206
(11) EP3607276	(22) 26.04.2016	(32) 19.01.2018
(21) EP18719765.2	(54) METHOD FOR DETERMINING A PIPE WALL RESONANCE FREQUENCY, AND CLAMP-ON-ULTRASONIC FLOWMETER	(33) Germany
(47) 22.06.2022	(73) Endress+Hauser Flowtec AG	(51) G01F 23/28
(87) EP2018058887	(72) PLOß, Peter	G01S 13/86
11.10.2018	BEZDEK, Michal	G01F 23/24
(22) 06.04.2018	FRÖHLICH, Thomas	G01F 23/26
(54) ROTATIONAL ANGLE SENSOR HOLDING SYSTEM	RUPITSCH, Stefan J.	(11) EP3073229
(73) Schwing GmbH	KISSLING, Beat	(21) EP15161432.8
(72) HAUSCHILD, Lisa	(31) 102015107752	(47) 22.06.2022
SEGSCHNEIDER, Bernd	(32) 18.05.2015	(22) 27.03.2015
SCHEFFER, Heinrich	(33) Germany	(54) RADAR FILL LEVEL MEASURING DEVICE WITH INTEGRATED LIMIT LEVEL SENSOR
(31) 202017106990 U	(51) G01F 1/84	(73) VEGA Grieshaber KG
102017107430	(11) EP2694928	

(72) Fehrenbach, Josef Schultheiss, Daniel	(32) 30.09.2015 (33) Japan	(11) EP3839458 (21) EP20212344.4 (47) 22.06.2022
(51) G01F 23/296 G01N 29/22 G01N 11/16 G01N 29/07 G01N 29/02 G01N 29/46 G01N 9/00	(51) G01J 3/10 (11) EP3414536 (21) EP17707386.3 (47) 22.06.2022 (87) FR2017050278 17.08.2017 (22) 07.02.2017	(22) 08.12.2020 (54) ENERGY STORAGE DEVICE COMPRISING A THERMO-CHROMATIC INDICATOR (73) Renault s.a.s (72) GYAN, Philippe (31) 1914798 (32) 18.12.2019 (33) France
(11) EP3213041 (21) EP15756664.7 (47) 22.06.2022 (87) EP2015070029 06.05.2016 (22) 02.09.2015 (54) VIBRONIC SENSOR (73) Endress+Hauser SE+Co. KG (72) HENKEL, Ira KUHNEN, Raphael WIMBERGER, Peter	(73) Commissariat à l'Energie Atomique et aux Energies Alternatives (72) NICOLETTI, Sergio BRUN, Mickaël (31) 1651129 (32) 12.02.2016 (33) France	(51) G01L 1/22 G01L 1/18 G01L 3/04 (11) EP3772640 (21) EP19191055.3 (47) 22.06.2022 (22) 09.08.2019 (54) ELECTRIC CIRCUITRY FOR STRAIN MEASUREMENT (73) Sciosense B.V. (72) Lemke, Frank Jedelhauser, Georg Hertner, Oliver Bahnmüller, Friedrich
(31) 102014115693 (32) 29.10.2014 (33) Germany	(51) G01J 3/28 (11) EP3899462 (21) EP19818077.0 (47) 22.06.2022 (87) EP2019085010 25.06.2020 (22) 13.12.2019 (54) METHOD FOR THE IDENTIFICATION OF AN INCORRECTLY CALIBRATED OR NON-CALIBRATED INFRARED SPECTROMETER AND FOR THE CORRECTION OF A SPECTRUM RECORDED ON AN INCORRECTLY OR NON-CALIBRATED INFRARED SPECTROMETER (73) Evonik Operations GmbH (72) REIMANN, Ingolf MÜLLER, Christoph REISING, Joachim	(51) G01L 3/10 (11) EP3608645 (21) EP19190575.1 (47) 22.06.2022 (22) 07.08.2019 (54) SENSOR DEVICE (73) JTEKT CORPORATION (72) TSURUO, Hiroto (31) 2018150736 (32) 09.08.2018 (33) Japan
(51) G01G 19/18 G01G 19/06 A22C 21/00 B65G 17/16 B65G 17/20 A22B 5/00 G01G 23/06 (11) EP3442345 (21) EP17783375.3 (47) 22.06.2022 (87) US2017027999 19.10.2017 (22) 17.04.2017 (54) OFFSET WEIGHING APPARATUS (73) Baader Linco, Inc. (72) O'DELL, Ryan LAUER, Gerald BARNETT, Douglas PINKSTON, Kenneth GILLESPIE, Joshua J.	(31) 18212853 (32) 17.12.2018 (33) European Patent Office (EPO)	(51) G01L 5/102 (11) EP3524952 (21) EP19156392.3 (47) 22.06.2022 (22) 11.02.2019 (54) MEASURING DEVICE (73) Datainabox S.r.l. (72) Salgarelli, Luca Milan, Emiliano Facconi, Massimo (31) 20180002651 (32) 13.02.2018 (33) Italy
(31) 201662323442 P (32) 15.04.2016 (33) United States of America	(51) G01J 3/42 H04N 5/33 (11) EP3772637 (21) EP20189822.8 (47) 22.06.2022 (22) 06.08.2020 (54) DETECTION DEVICE AND DETECTION SYSTEM (73) Canon Kabushiki Kaisha (72) IIMORI, Kento KAIFU, Noriyuki (31) 2019145527 (32) 07.08.2019 (33) Japan	(22) 11.02.2019 (54) MEASURING DEVICE (73) Datainabox S.r.l. (72) Salgarelli, Luca Milan, Emiliano Facconi, Massimo (31) 20180002651 (32) 13.02.2018 (33) Italy
(51) G01H 11/08 G10H 3/14 H01L 41/053 H01L 41/113 H01L 41/193 H04R 17/02 (11) EP3358319 (21) EP16850995.8 (47) 22.06.2022 (87) JP2016075244 06.04.2017 (22) 29.08.2016 (54) SENSOR UNIT AND MUSICAL INSTRUMENT (73) Yupo Corporation Yamaha Corporation (72) IIDA Seiichiro MIYATA Tomoya HIYAMA Kunio KODAMA Hidekazu KOIKE Hiroshi (31) 2015195323	(51) G01K 11/12 H01M 50/24 H01M 10/42 H01M 10/48 H01M 10/613 H01M 10/627 H01M 10/637 H01M 10/6551 H01M 10/658 H01M 50/204 H01M 50/222 H01M 50/249 G01K 11/125	(51) G01L 9/00 G01L 9/08 G01L 23/10 G01L 23/20 G01L 23/22 (11) EP3657145 (21) EP20151584.8 (47) 22.06.2022 (22) 25.03.2015 (54) PRESSURE DETECTION DEVICE (73) CITIZEN FINEDEVICE CO., LTD. Citizen Watch Co., Ltd. (72) YOMOYAMA, Masanori SATSUTA, Hitoshi NAKAMURA, Rikoku (31) 2014067065 (32) 27.03.2014

(33) Japan	(72) REED, Timothy	(72) GYENES, Alexander
(51) G01M 3/28	MORRELL, Michael M.	KIMZEY, Michael J.
F16L 17/035	(31) 201361793771 P	(31) 201562168654 P
(11) EP3601985	(32) 15.03.2013	(32) 29.05.2015
(21) EP18712634.7	(33) United States of America	(33) United States of America
(47) 22.06.2022	(51) G01N 19/02	(51) G01N 21/64
(87) EP2018058017	(11) EP3830549	G01N 1/24
04.10.2018	(21) EP19759769.3	G01N 33/483
(22) 28.03.2018	(47) 22.06.2022	G01N 21/94
(54) DEVICES FOR SEAL TESTING, TUBULAR JUNCTION AND CORRESPONDING USE	(87) US2019043859	G01N 21/47
(73) Saint-Gobain Pam Canalisation	06.02.2020	(11) EP3561491
(72) LIU, Yang	(22) 29.07.2019	(21) EP17884740.6
ALEXANDRE, Pascal	(54) DEVICE AND METHODS FOR TORQUE MEASUREMENT OF FRICTION VIA PULSED INTERFERENCE CONTACT	(47) 22.06.2022
GENELOT, Pierre	(73) Covestro LLC	(87) KR2017014264
(31) 1752790	(72) YEAGER, Mark A.	28.06.2018
(32) 31.03.2017	(31) 201816050452	(22) 06.12.2017
(33) France	(32) 31.07.2018	(54) MEASURING DEVICE FOR DETECTING MICROORGANISMS IN AIR
(51) G01M 7/02	(33) United States of America	(73) LG Electronics Inc.
F16F 15/02	(51) G01N 21/27	(72) LEE, Sujin
F16F 7/10	G01N 21/64	SON, Ina
G01M 5/00	G01N 33/558	SUNG, Bongjo
(11) EP3821153	(11) EP3077798	LEE, Sanggu
(21) EP19734404.7	(21) EP14821017.2	(31) 20160175862
(47) 22.06.2022	(47) 22.06.2022	20160175861
(87) EP2019067671	(87) US2014068829	20160175860
16.01.2020	11.06.2015	(32) 21.12.2016
(22) 02.07.2019	(22) 05.12.2014	21.12.2016
(54) SYSTEM FOR IDENTIFICATION AND ACTIVE CONTROL OF VIBRATIONS IN A STRUCTURE AND RELATING METHOD	(54) METHOD FOR REDUCING ANALYZER VARIABILITY USING A NORMALIZATION TARGET	21.12.2016
(73) Isaac S.r.l.	(73) QUIDEL CORPORATION	(33) Korea (Republic)
(72) RIPAMONTI, Francesco	(72) STEADMAN, Jhobe	Korea (Republic)
BUSSINI, Alberto	BOOKER, David, Dickson	Korea (Republic)
(31) 201800007173	(31) 201361913078 P	(51) G01N 21/64
(32) 13.07.2018	(32) 06.12.2013	G01N 21/01
(33) Italy	(33) United States of America	(11) EP3058350
(51) G01N 1/30	(51) G01N 21/35	(21) EP14799676.3
G01N 1/06	G01N 33/02	(47) 22.06.2022
G01N 1/36	(11) EP3734254	(87) EP2014072034
G01N 1/28	(21) EP20170982.1	23.04.2015
G01N 23/2251	(47) 22.06.2022	(22) 14.10.2014
G01N 1/32	(22) 23.04.2020	(54) MEASURING APPARATUS, MEASURING AND EVALUATION APPARATUS AND MEASUREMENT DATA SYSTEM
(11) EP3885737	(54) METHOD FOR DETERMINING WATER SOLUBLE PROTEIN CONTENT (WSPC) IN SOYBEAN BY NEAR INFRARED SPECTROSCOPY (NIRS)	(73) OASE GmbH
(21) EP21163355.7	(73) Yangtze University	(72) GRIESBACH, Ralf
(47) 22.06.2022	Institute of Crop Sciences, Chinese Academy of Agricultural Sciences	WILLUWEIT, Thomas
(22) 18.03.2021	(72) XU, Ruixin	(31) 13188557
(54) METHOD FOR OBSERVING BIOLOGICAL TISSUE SAMPLE	QIU, Lijuan	(32) 14.10.2013
(73) Hitachi High-Tech Science Corporation	WANG, Jun	(33) European Patent Office (EPO)
(72) ASAHATA, Tatsuya	SONG, Jian	(51) G01N 21/77
MAN, Xin	(31) 201910339010	G01N 21/64
(31) 2020047397	(32) 25.04.2019	G01N 33/544
(32) 18.03.2020	(33) China	G01N 33/58
(33) Japan	(51) G01N 21/64	G01N 31/22
(51) G01N 15/14	C07D 207/46	(11) EP3172312
G01N 21/53	(11) EP3786619	(21) EP15824391.5
G02B 5/20	(21) EP20187653.9	(47) 22.06.2022
(11) EP2972205	(47) 22.06.2022	(87) US2015041739
(21) EP14720321.0	(22) 27.05.2016	28.01.2016
(47) 22.06.2022	(54) COMPOUNDS FOR LABELING AMINE- CONTAINING COMPOUNDS, AND THEIR USE	(22) 23.07.2015
(87) US2014024840	(73) Agilent Technologies, Inc.	(54) FLUORESCENT MATERIAL FOR SENSING AN ANALYTE
25.09.2014		(73) Senseonics, Incorporated
(22) 12.03.2014		(72) WHITEHURST, Todd
(54) SORTING FLOW CYTOMETER		EMKEN, Jeremy
(73) Beckman Coulter, Inc.		HUFFSTETLER, Philip

(31) 201462027997 P	(51) G01N 25/72	DUBOIS, Valentin
(32) 23.07.2014	(11) EP3137887	(31) 1600253
(33) United States of America	(21) EP15718920.0	1600167
(51) G01N 21/86	(47) 22.06.2022	1500508
(11) EP2539695	(87) EP2015059421	(32) 09.09.2016
(21) EP11704982.5	05.11.2015	17.05.2016
(47) 22.06.2022	(22) 29.04.2015	14.12.2015
(87) EP2011052613	(54) PHOTOTHERMAL EXAMINATION	(33) Sweden
01.09.2011	METHOD AND CORRESPONDING	Sweden
(22) 22.02.2011	EXAMINATION UNIT	Sweden
(54) A METHOD FOR DETERMINING A	(73) FRAMATOME	(51) G01N 27/414
CORRECT TEST PERFORMANCE FOR	(72) CAULIER, Yannick	G01N 33/543
A FLOW TEST ELEMENT	TAGLIONE, Matthieu	C12Q 1/68
(73) B.R.A.H.M.S GmbH	(31) 1453989	H01L 29/78
(72) ECKHARDT, Florian	(32) 30.04.2014	H01L 29/423
(31) 10001817	(33) France	H01L 27/088
(32) 23.02.2010	(51) G01N 27/02	C12Q 1/6874
(33) European Patent Office (EPO)	G01N 15/06	(11) EP3285067
(51) G01N 21/898	(11) EP3532831	(21) EP17167536.6
G01N 3/56	(21) EP17792000.6	(47) 22.06.2022
G01N 33/36	(47) 22.06.2022	(22) 14.12.2007
(11) EP3477288	(87) EP2017076313	(54) APPARATUS FOR MEASURING
(21) EP17198676.3	03.05.2018	ANALYTES USING FET ARRAYS
(47) 22.06.2022	(22) 16.10.2017	(73) Life Technologies Corporation
(22) 26.10.2017	(54) SENSOR ELEMENT FOR	(72) BUSTILLO, James
(54) A METHOD OF MEASURING STAIN	DETERMINING PARTICLES IN A FLUID	JOHNSON, Kim L
REMOVAL	MEDIUM	ROTHBERG, Johnathan M
(73) The Procter & Gamble Company	(73) Robert Bosch GmbH	HINZ, Wolfgang
(72) AMADOR ZAMARRENO, Carlos	(72) HERWEG, Karola	(31) 956324 P
(51) G01N 22/00	TIEFENBACH, Andy	948748 P
G01N 22/02	BAARS, Enno	870073 P
G01N 33/02	(31) 102016221372	(32) 16.08.2007
(11) EP3598113	(32) 28.10.2016	10.07.2007
(21) EP18768688.6	(33) Germany	14.12.2006
(47) 22.06.2022	(51) G01N 27/02	(33) United States of America
(87) JP2018007807	G01N 27/06	United States of America
20.09.2018	F01P 11/14	United States of America
(22) 01.03.2018	G01N 33/18	(51) G01N 27/72
(54) NON-DESTRUCTIVE DETECTION	(11) EP3250913	G01R 33/07
METHOD, NON-DESTRUCTIVE	(21) EP15880557.2	(11) EP3403083
DETECTION DEVICES, AND NON-	(47) 22.06.2022	(21) EP16885412.3
DESTRUCTIVE DETECTION	(87) US2015013986	(47) 22.06.2022
PROGRAM	04.08.2016	(87) US2016065747
(73) National Institute of Advanced Industrial	(22) 30.01.2015	20.07.2017
Science and Technology	(54) SENSORS FOR COOLING SYSTEM	(22) 09.12.2016
(72) NAGAIISHI, Hiroshi	FLUID ATTRIBUTES	(54) FAST HALL EFFECT MEASUREMENT
HORIBE, Masahiro	(73) Hewlett Packard Enterprise Development	SYSTEM
KON, Seitaro	LP	(73) LAKE SHORE CRYOTRONICS, INC.
(31) 2017053063	(72) MCAULIFFE, Keith Mathew	(72) LINDEMUTH, Jeffrey R.
(32) 17.03.2017	CADER, Tahir	(31) 201614996719
(33) Japan	FRANZ, John	(32) 15.01.2016
(51) G01N 23/2252	LONG, Greg Scott	(33) United States of America
(11) EP3786626	ROGACS, Anita	(51) G01N 29/04
(21) EP20193412.2	(51) G01N 27/327	G01N 29/22
(47) 22.06.2022	G01N 33/487	(11) EP3244202
(22) 28.08.2020	(11) EP3391037	(21) EP17166434.5
(54) METHOD FOR PROCESSING ENERGY-	(21) EP16822629.8	(47) 22.06.2022
DISPERSIVE X-RAY ANALYSIS	(47) 22.06.2022	(22) 13.04.2017
DATA GENERATED BY ELECTRON	(87) EP2016081019	(54) PIPING INSPECTION APPARATUS
MICROSCOPY	22.06.2017	(73) Hitachi, Ltd.
(73) Commissariat à l'Energie Atomique et	(22) 14.12.2016	(72) OHSHIMA, Yuki
aux Energies Alternatives	(54) CRACK STRUCTURES, TUNNELING	KIMURA, Toshimi
(72) SOREL, Julien	JUNCTIONS USING CRACK	KONO, Naoyuki
SAGHI, Zineb	STRUCTURES AND METHODS OF	MIKI, Masahiro
(31) 1909593	MAKING SAME	(31) 2016095912
(32) 30.08.2019	(73) Zedna AB	(32) 12.05.2016
(33) France	(72) STEMME, Göran	(33) Japan
	NIKLAUS, Frank	(51) G01N 30/46

G01N 30/26	(72) EBRAHIM, Alireza	AAS, Flemming
C07K 1/22	SPATES, Christopher	(51) G01N 35/00
G01N 30/88	DE VORE, Karl	G01N 35/10
B01D 15/20	(31) 201161536902 P	(11) EP2591369
B01D 15/22	(32) 20.09.2011	(21) EP11734187.5
B01D 15/08	(33) United States of America	(47) 22.06.2022
(11) EP3018475	(51) G01N 33/53	(87) IB2011052773
(21) EP14820358.1	G01N 33/96	12.01.2012
(47) 22.06.2022	G01N 1/28	(22) 24.06.2011
(87) JP2014066232	(11) EP3421998	(54) AUTOMATED SYSTEM FOR
08.01.2015	(21) EP18189314.0	SELECTIVELY PROCESSING A
(22) 19.06.2014	(47) 22.06.2022	SAMPLE.
(54) SEPARATION METHOD	(22) 07.09.2012	(73) Siemens Healthineers Nederland B.V.
(73) Hitachi Plant Services Co., Ltd.	(54) CUSTOMIZED QUALITY CONTROLS	(72) EVERS, Toon
(72) MURAKAMI, Sei	FOR ANALYTICAL ASSAYS	NIEUWENHUIS, Jeroen
SHIBUYA, Keisuke	(73) Bio-Rad Laboratories, Inc.	(31) 10169034
KONDO, Takeyuki	(72) DE VORE, Karl	(32) 09.07.2010
TADA, Yasuhiko	EBRAHIM, Alireza	(33) European Patent Office (EPO)
(31) 2013142061	SPATES, Christopher	(51) G01N 35/02
(32) 05.07.2013	(31) 201161536902 P	G01N 35/10
(33) Japan	(32) 20.09.2011	(11) EP2817637
(51) G01N 33/28	(33) United States of America	(21) EP13752275.1
G01N 33/30	(51) G01N 33/574	(47) 22.06.2022
G01N 21/78	(11) EP3221700	(87) US2013027280
G01N 33/20	(21) EP15802296.2	29.08.2013
(11) EP3245511	(47) 22.06.2022	(22) 22.02.2013
(21) EP16700444.9	(87) US2015061073	(54) SYSTEMS FOR LOADING SAMPLES
(47) 22.06.2022	26.05.2016	(73) Perkinelmer UK Limited
(87) EP2016050523	(22) 17.11.2015	Liebold, Steven Edward
21.07.2016	(54) PRKACB FUSIONS	White, Nigel Thornton Hopley
(22) 13.01.2016	(73) Blueprint Medicines Corporation	PerkinElmer Health Sciences, Inc.
(54) METHOD AND KIT FOR DOSING	(72) STRANSKY, Nicolas	Millard, Gary Vincent
IRON IONS IN LUBRICATING	(31) 201462081445 P	(72) WHITE, Nigel Thornton Hopley
COMPOSITIONS	(32) 18.11.2014	LIEBOLD, Steven Edward
(73) Total Marketing Services	(33) United States of America	MILLARD, Gary Vincent
(72) MAIROT, Grégory	(51) G01N 33/68	(31) 201213607120
DEMAILLE, Camille	(11) EP3788379	201261603224 P
BARON, Christian	(21) EP19722071.8	(32) 07.09.2012
SIGNOL, Catherine	(47) 22.06.2022	24.02.2012
DEBUISSIER, Thomas	(87) EP2019061169	(33) United States of America
DARGENT, Luc	07.11.2019	United States of America
(31) 1550285	(22) 01.05.2019	(51) G01N 35/04
(32) 14.01.2015	(54) A METHOD OF DIAGNOSING OR	G01N 35/00
(33) France	PROGNOSING A NEUROLOGICAL	G06K 7/10
(51) G01N 33/49	DISORDER	(11) EP2367013
G01N 35/00	(73) University Of Ulster	(21) EP11158794.5
G01N 33/493	(72) DUDDY, William	(47) 22.06.2022
(11) EP3742169	DUGUEZ, Stephanie	(22) 18.03.2011
(21) EP18900947.5	(31) 201807178	(54) SAMPLE ANALYZER
(47) 22.06.2022	(32) 01.05.2018	(73) Sysmex Corporation
(87) JP2018043415	(33) United Kingdom	(72) TOKUNAGA, Kazutoshi
25.07.2019	(51) G01N 35/00	(31) 2010068422
(22) 26.11.2018	B01F 13/08	2010062097
(54) SPECIMEN PROCESSING SYSTEM	(11) EP1583952	(32) 24.03.2010
(73) Hitachi High-Tech Corporation	(21) EP02795053.4	18.03.2010
(72) ONIZAWA, Kuniaki	(47) 22.06.2022	(33) Japan
BABA, Shunsuke	(87) DK2002000892	Japan
(31) 2018004998	08.07.2004	(51) G01N 35/10
(32) 16.01.2018	(22) 20.12.2002	B01L 3/02
(33) Japan	(54) BLOOD ANALYSER AND METHOD FOR	B08B 3/02
(51) G01N 33/53	HANDLING AND ANALYZING BLOOD	(11) EP3438674
(11) EP3421999	SAMPLES CONTAINED IN BLOOD	(21) EP17001318.9
(21) EP18189319.9	SAMPLERS	(47) 22.06.2022
(47) 22.06.2022	(73) Radiometer Medical ApS	(22) 01.08.2017
(22) 07.09.2012	(72) HANSEN, Erik Kjoelbye	(54) METHOD AND DEVICE FOR
(54) CUSTOMIZED QUALITY CONTROLS	HVIDTFELDT, Kristian Jacob	CLEANING PIPPETING TIPS
FOR ANALYTICAL ASSAYS	FREDERIKSEN, Caspar Buchholtz	(73) Euroimmun Medizinische
(73) Bio-Rad Laboratories, Inc.		Labordiagnostika AG

(72) ALLERHEILIGEN-STOLZMANN, Steffen SCHULZE, Tassilo BUSCHTEZ, Michael SCHROEDER, Steffen	(47) 22.06.2022 (87) US2012070867 26.06.2014 (22) 20.12.2012	(21) EP19156325.3 (47) 22.06.2022 (22) 11.02.2019 (54) VECTOR MAGNETOMETER WITH LINEAR AND CIRCULAR POLARISATION
(51) G01P 3/49 G01P 3/50 G01P 3/54 G01D 5/20	(54) METHOD AND APPARATUS FOR DETERMINING CHARACTERISTICS OF AN INPUT SIGNAL	(73) Commissariat à l'énergie atomique et aux énergies alternatives
(11) EP3865879	(72) MEARNS, Brian, Patrick	(72) PALACIOS LALOY, Agustin
(21) EP20156827.6 (47) 22.06.2022 (22) 12.02.2020	(51) G01R 23/10 G01R 31/317	(31) 1851170 (32) 12.02.2018 (33) France
(54) INDUCTIVE SENSOR DEVICE AND METHOD OF DETECTING MOVEMENT OF AN OBJECT	(11) EP3385728 (21) EP17165083.1 (47) 22.06.2022 (22) 05.04.2017	(51) G01R 33/032 G01R 33/26
(73) Jaquet Technology Group AG (72) Farrugia, Andre	(54) AN AUTOMOTIVE SAFETY ELECTRONIC CONTROL SYSTEM	(11) EP3717920 (21) EP18815965.1 (47) 22.06.2022
(51) G01R 15/20 G01R 19/00	(73) Veoneer Sweden AB (72) LECHAUX, Thomas	(87) EP2018083026 06.06.2019
(11) EP3726229 (21) EP18889183.2 (47) 22.06.2022 (87) JP2018045571 20.06.2019	(72) JEANNARD, Jean-Francois	(22) 29.11.2018
(22) 11.12.2018	(51) G01R 31/36 H02J 7/14 B60R 16/03	(54) APPARATUS FOR DETERMINING A MAGNETIC FIELD AND METHOD OF DETERMINING A MAGNETIC FIELD
(54) CURRENT SENSOR	(11) EP3038852 (21) EP14748220.2 (47) 22.06.2022	(73) Artha AG (72) PFIFFNER, Peter BETANCOURT, Christopher
(73) Alps Alpine Co., Ltd. (72) ABE, Minoru TAMURA, Manabu	(87) EP2014067066 05.03.2015 (22) 08.08.2014	(31) 102017128283 (32) 29.11.2017 (33) Germany
(31) 2017238462 (32) 13.12.2017 (33) Japan	(54) ENERGY MANAGEMENT CONTROL DEVICE AND METHOD FOR DETERMINING A CHARACTERISTIC VARIABLE OF AN ELECTROCHEMICAL ENERGY STORAGE MEANS	(51) G01R 33/34 G01R 33/36 G01R 33/341
(51) G01R 15/20 H02M 1/00 H02M 3/00 H02M 3/158 H02M 7/00 H02M 7/48 H02M 7/5387	(73) Volkswagen AG (72) BAUMGARTH, Marco (31) 102013217045 (32) 27.08.2013 (33) Germany	(11) EP3022571 (21) EP14741834.7 (47) 22.06.2022 (87) EP2014065060 22.01.2015 (22) 15.07.2014
(11) EP3817214 (21) EP19824600.1 (47) 22.06.2022 (87) JP2019014504 02.01.2020	(51) G01R 31/52 (11) EP3608152 (21) EP18187507.1 (47) 22.06.2022 (22) 06.08.2018	(54) LAMINATE DESIGN-BASED RADIO FREQUENCY COIL UNIT FOR MRI
(22) 01.04.2019	(54) METHOD FOR DETECTING AN ISOLATION FAULT	(73) Koninklijke Philips N.V. (72) LIPS, Oliver (31) 13176969 (32) 18.07.2013 (33) European Patent Office (EPO)
(54) POWER CONVERSION DEVICE	(73) Ningbo Geely Automobile Research & Development Co. Ltd.	(51) G01R 33/341 G01R 33/34 G01R 33/36
(73) Mitsubishi Electric Corporation (72) SAKAMOTO, Tatsuro (31) 2018120984 (32) 26.06.2018 (33) Japan	(72) ISAKSSON, Björn	(11) EP3598158 (21) EP17903814.6 (47) 22.06.2022 (87) CN2017118571 04.10.2018 (22) 26.12.2017
(51) G01R 19/32 G01R 31/40	(51) G01R 31/66 G01R 31/28	(54) RADIO-FREQUENCY COIL FOR MAGNETIC RESONANCE DEVICE
(11) EP3517983 (21) EP18213101.1 (47) 22.06.2022 (22) 17.12.2018	(11) EP3671245 (21) EP19210874.4 (47) 22.06.2022 (22) 22.11.2019	(73) Hefei Institutes of Physical Science of Chinese Academy of Science
(54) VOLTAGE AND TEMPERATURE MONITORING IN POWER SUPPLIES	(54) EMBEDDED CONTINUITY TEST CIRCUIT	(72) ZHONG, Kai YANG, Hongyi
(73) NXP B.V. (72) Degen, Peter Theodorus Johannes (31) 201815860340 (32) 02.01.2018 (33) United States of America	(73) NXP USA, Inc. (72) Abhishek, Kumar Jagannathan, Srikanth Hector, Sanchez (31) 201816223329 (32) 18.12.2018 (33) United States of America	(31) 201710191106 (32) 28.03.2017 (33) China
(51) G01R 23/10	(51) G01R 33/032	(51) G01R 33/561 G01R 33/483
(11) EP2936172 (21) EP12890543.7	(51) G01R 33/26 (11) EP3524990	(11) EP3931586 (21) EP20704325.8 (47) 22.06.2022

(87) EP2020054159 03.09.2020	(73) C360 Technologies, Inc.	(47) 22.06.2022
(22) 18.02.2020	(72) TOMKO, Joseph, B.	(22) 28.06.2021
(54) PARALLEL MR IMAGING USING WAVE- ENCODING	LOWRY, Brian, C.	(54) LASER SCANNER
(73) Koninklijke Philips N.V.	WIMER, Evan, A.	(73) SICK AG
(72) BÖRNERT, Peter	(31) 201562205997 P	(72) Nübling, Ralf Ulrich
ZHOU, Zechen	(32) 17.08.2015	Baumgartner, August
(31) 201962809779 P	(33) United States of America	(31) 102020119490
19170549	(51) G01S 5/02	(32) 23.07.2020
(32) 25.02.2019	H04W 4/02	(33) Germany
23.04.2019	H04W 64/00	(51) G01S 7/484
(33) United States of America	G01S 1/04	G01S 7/4865
European Patent Office (EPO)	G01S 5/00	G01S 7/487
(51) G01R 33/563	(11) EP2767844	G01S 17/86
A61B 6/04	(21) EP14168260.9	G01S 17/894
A61B 6/00	(47) 22.06.2022	G01S 7/481
A61B 5/026	(22) 28.03.2012	H04M 1/72403
A61B 5/0275	(54) Methods and apparatus for triggering	G01S 13/86
A61B 5/055	cooperative positioning or learning in a	H04M 1/725
G01R 33/56	wireless network	(11) EP3751307
(11) EP3207397	(73) Qualcomm Incorporated	(21) EP20177707.5
(21) EP15787262.3	(72) Jovicic, Aleksandar	(47) 22.06.2022
(47) 22.06.2022	Richardson, Thomas	(22) 01.06.2020
(87) FR2015052728	Measson, Cyril	(54) SELECTION OF PULSE REPETITION
21.04.2016	Li, Junyi	INTERVALS FOR SENSING TIME OF
(22) 09.10.2015	(31) 201113073840	FLIGHT
(54) SYSTEM AND METHOD FOR	(32) 28.03.2011	(73) Apple Inc.
ESTIMATING AN AMOUNT OF	(33) United States of America	(72) CHUNG, Gary
INTEREST OF A DYNAMIC ARTERY/ TISSUE/VEIN SYSTEM	(51) G01S 7/41	MANDAI, Shingo
(73) Olea Medical	G01S 13/60	HEZAR, Rahmi
(72) BOUTELIER, Timothé	G01S 13/88	NICLASS, Cristiano L
DJERIDANE, Fayçal	G01S 13/89	BUETTGEN, Bernhard
(31) 1459822	G01S 13/93	SHRESTHA, Darshan
(32) 13.10.2014	(11) EP3620811	OGGIER, Thierry
(33) France	(21) EP18193143.7	LAIFENFELD, Moshe
(51) G01R 35/00	(47) 22.06.2022	(31) 201962859211 P
G01R 27/28	(22) 07.09.2018	(32) 10.06.2019
(11) EP3232218	(54) METHOD FOR DETERMINING THE	(33) United States of America
(21) EP17165836.2	POSITION OF A VEHICLE	(51) G01S 7/52
(47) 22.06.2022	(73) Aptiv Technologies Limited	G01S 15/93
(22) 10.04.2017	(72) Dörr, Wolfgang	G01S 7/524
(54) IN-LINE CALIBRATION MODULE, PROGRAMMABLE DEVICE, AND CALIBRATION AND MEASUREMENT SYSTEM	Westerhoff, Jens	G01S 7/526
(73) Rohde & Schwarz GmbH & Co. KG	(51) G01S 7/48	(11) EP3665498
(72) Reck, Christoph	G01S 17/93	(21) EP18750176.2
Leibfritz, Martin	G01S 17/42	(47) 22.06.2022
Weber, Michael	G01S 17/87	(87) EP2018071025
(31) 102016206104	G01S 17/931	14.02.2019
(32) 12.04.2016	G06K 9/62	(22) 02.08.2018
(33) Germany	G06N 3/08	(54) SELF-TESTING MEASURING SYSTEM
(51) G01S 3/04	G06V 10/22	AND METHOD FOR OPERATING A
G06F 3/0481	G06V 10/60	SELF-TESTING MEASURING SYSTEM
H04N 7/00	G06V 10/82	(73) Elmos Semiconductor SE
H04N 7/01	G06V 20/56	(72) SCHMIDT, André
H04N 7/08	(11) EP3553566	SCHLAUTMANN, Guido
H04N 5/232	(21) EP16925037.0	HEPPEKAUSEN, Stefanie
(11) EP3338106	(47) 22.06.2022	(31) 102018107826
(21) EP16837699.4	(87) CN2016113089	102017118101
(47) 22.06.2022	05.07.2018	102017118107
(87) US2016047175	(22) 29.12.2016	102017118106
23.02.2017	(54) METHOD AND APPARATUS FOR	102017118105
(22) 16.08.2016	DETECTING GROUND ENVIRONMENT	102017118104
(54) GENERATING OBJECTS IN REAL TIME	(73) Huawei Technologies Co., Ltd.	102017118103
PANORAMIC VIDEO	(72) CAO, Tongtong	102017118102
	SHAO, Yunfeng	102017118100
	YAO, Jun	102017118099
	(51) G01S 7/481	102017118098
	G01S 17/42	102017118097
	(11) EP3943973	102017118096
	(21) EP21182130.1	(32) 03.04.2018

09.08.2017	(73) Ibeo Automotive Systems GmbH	(73) Koninklijke Philips N.V.
09.08.2017	(72) KÖHLER, Michael	(72) RADAELLI, Alessandro Guido
09.08.2017	KIEHN, Michael	STEGEHUIS, Herman
09.08.2017	(31) 16163529	WIECZOREK, Herfried Karl
09.08.2017	15194125	ALVING, Peter Lex
09.08.2017	(32) 01.04.2016	JACOBS, Johannes Wilhelmus Maria
09.08.2017	11.11.2015	KOK, Christiaan
09.08.2017	(33) European Patent Office (EPO)	(31) 16188564
09.08.2017	European Patent Office (EPO)	(32) 13.09.2016
09.08.2017	(51) G01S 17/93	(33) European Patent Office (EPO)
09.08.2017	G01S 7/484	(51) G01T 1/20
09.08.2017	G01S 7/486	A61B 6/00
(33) Germany	G01S 7/487	G21K 4/00
Germany	G01S 17/10	G01T 1/202
Germany	(11) EP3614175	(11) EP3392678
Germany	(21) EP18190429.3	(21) EP16875384.6
Germany	(47) 22.06.2022	(47) 22.06.2022
Germany	(22) 23.08.2018	(87) JP2016085342
Germany	(54) METHOD AND DEVICE FOR	22.06.2017
Germany	OPTICALLY MEASURING DISTANCES	(22) 29.11.2016
Germany	(73) Ibeo Automotive Systems GmbH	(54) SCINTILLATOR PANEL AND
Germany	(72) Birnbacher, Wolfgang	RADIATION DETECTOR
Germany	Kiehn, Michael	(73) Hamamatsu Photonics K.K.
Germany	(51) G01S 17/93	(72) KUSUYAMA, Yutaka
Germany	G06K 9/00	YAMASHITA, Masanori
(51) G01S 17/10	G01S 17/02	JONISHI, Hidenori
G01S 7/487	G01S 17/04	TOYAMA, Shintaro
G01S 7/486	G01S 17/86	OSAWA, Hirotake
G01S 7/4863	G01S 17/931	(31) 2015243188
(11) EP3683599	G01S 7/481	(32) 14.12.2015
(21) EP19152055.0	G06V 10/147	(33) Japan
(47) 22.06.2022	(11) EP3623845	(51) G01V 3/20
(22) 16.01.2019	(21) EP19189292.6	E21B 47/00
(54) METHOD AND DEVICE FOR	(47) 22.06.2022	(11) EP3510425
OPTICALLY MEASURING DISTANCES	(22) 31.07.2019	(21) EP16808825.0
(73) Ibeo Automotive Systems GmbH	(54) SENSOR AND AUTONOMOUS	(47) 22.06.2022
(72) Birnbacher, Wolfgang	VEHICLE	(87) RU2016000622
(51) G01S 17/10	(73) SICK AG	15.03.2018
G01S 17/36	(72) Pfister, Michael	(22) 12.09.2016
G01S 17/42	(31) 102018122263	(54) WELL INFILTRATION AREA
G01S 17/86	(32) 12.09.2018	CALCULATION USING LOGGING
G01S 17/89	(33) Germany	WHILE DRILLING DATA
G01S 7/481	(51) G01S 17/931	(73) Geoquest Systems B.V.
G01S 7/497	G01S 7/497	(72) ISMAGILOV, Airat
G01S 7/51	G01S 7/481	BOKAREV, Anton Yurievich
(11) EP3598174	(11) EP3399339	(51) G01V 99/00
(21) EP19185309.2	(21) EP18168371.5	G01V 1/30
(47) 22.06.2022	(47) 22.06.2022	(11) EP3671290
(22) 09.07.2019	(22) 20.04.2018	(21) EP19217871.3
(54) LASER SCANNER WITH ENHANCED	(54) MOTOR VEHICLE AND SENSOR	(47) 22.06.2022
DYMANIC RANGE IMAGING	ASSEMBLY FOR A MOTOR VEHICLE,	(22) 19.12.2019
(73) Faro Technologies, Inc.	METHOD FOR OPERATING SAME	(54) DYNAMIC RESERVOIR
(72) OSSIG, Martin	(73) AUDI AG	CHARACTERIZATION
FLOHR, Daniel	(72) Brok, Tobias	(73) Geoquest Systems B.V.
(31) 201862698522 P	(31) 102017207024	Services Pétroliers Schlumberger
(32) 16.07.2018	(32) 26.04.2017	(72) SAMSON, Barys
(33) United States of America	(33) Germany	BOGUSH, Aleksandr
(51) G01S 17/10	(51) G01T 1/161	(31) 201862784423 P
G01S 17/42	A61B 6/00	(32) 22.12.2018
G01S 7/481	G01T 1/164	(33) United States of America
(11) EP3374793	(11) EP3513220	(51) G02B 5/00
(21) EP16795318.1	(21) EP17761525.9	G02B 1/111
(47) 22.06.2022	(47) 22.06.2022	G02B 1/113
(87) EP2016077499	(87) EP2017072277	B29C 37/00
18.05.2017	22.03.2018	B29C 59/16
(22) 11.11.2016	(22) 06.09.2017	B29C 33/38
(54) METHOD AND DEVICE FOR	(54) COMBINED IMAGING DETECTOR FOR	B29C 59/02
OPTICALLY MEASURING DISTANCES	X-RAY AND NUCLEAR IMAGING	B29C 35/08

(11) EP3699649	(22) 19.04.2012	(33) France
(21) EP18873053.5	(54) ASYMMETRIC OPTICALLY	(51) G02B 6/42
(47) 22.06.2022	EFFECTIVE SURFACE RELIEF	(11) EP3933471
(87) JP2018017949	MICROSTRUCTURES AND METHOD	(21) EP20202079.8
09.05.2019	OF MAKING THEM	(47) 22.06.2022
(22) 09.05.2018	(73) ROLIC Technologies AG	(22) 15.10.2020
(54) METHOD FOR MANUFACTURING	(72) JAQUET, Sylvain	(54) OPTICAL COUPLING APPARATUS
LIGHT ABSORBER	IBN-ELHAJ, Mohammed	(73) Ningbo Qunxin Micro-Electronics Co., Ltd
(73) National Institute of Advanced Industrial	MARTZ, Julien	(72) CHAO, Yang
Science and Technology	(31) 11163126	(31) 202010616266
(72) AMEMIYA, Kuniaki	(32) 20.04.2011	(32) 30.06.2020
(31) 2017212380	(33) European Patent Office (EPO)	(33) China
(32) 02.11.2017	(51) G02B 6/024	(51) G02B 13/00
(33) Japan	G02B 6/036	G02B 27/64
(51) G02B 5/02	G02B 6/028	H04N 5/225
G01S 17/08	(11) EP3486699	G02B 9/12
G01B 11/00	(21) EP17850308.2	G02B 26/08
(11) EP3373049	(47) 22.06.2022	(11) EP3581981
(21) EP17209931.9	(87) CN2017101991	(21) EP19180230.5
(47) 22.06.2022	22.03.2018	(47) 22.06.2022
(22) 22.12.2017	(22) 17.09.2017	(22) 14.06.2019
(54) PROJECTION LIGHT SOURCE DEVICE	(54) CRACK-RESISTANT PANDA	(54) CAMERA ASSEMBLY AND
(73) Panasonic Intellectual Property	POLARIZATION-MAINTAINING	ELECTRONIC DEVICE USING THE
Management Co., Ltd.	OPTICAL FIBER	SAME
(72) FUKUI, Atsushi	(73) Yangtze Optical Fibre and Cable Joint	(73) GUANGDONG OPPO MOBILE
FUJITA, Masaru	Stock Limited Company	TELECOMMUNICATIONS CORP., LTD.
(31) 2017044449	(72) TONG, Yilin	(72) ZHANG, Gong
(32) 09.03.2017	TONG, Weijun	(31) 201810613614
(33) Japan	YANG, Kun	201820929310 U
(51) G02B 5/02	ZHENG, Wei	(32) 14.06.2018
G02B 27/42	CAO, Beibei	14.06.2018
G09F 3/02	YANG, Wu	(33) China
G02B 5/18	ZHANG, Xinben	China
B42D 25/425	WANG, Zhendong	(51) G02B 13/04
B42D 25/29	LEI, Gaoqing	G02B 13/16
B42D 25/324	(31) 201610831262	G02B 15/177
B42D 25/328	(32) 19.09.2016	G02B 27/00
G09F 3/00	(33) China	(11) EP2287648
(11) EP3040747	(51) G02B 6/38	(21) EP10171595.1
(21) EP16155630.3	(11) EP3707541	(47) 22.06.2022
(47) 22.06.2022	(21) EP18847142.9	(22) 02.08.2010
(22) 18.04.2008	(47) 22.06.2022	(54) Optical system and optical apparatus
(54) DISPLAY AND LABELED ARTICLE	(87) IB2018001415	having the same
(73) Toppan Printing Co., Ltd.	09.05.2019	(73) Canon Kabushiki Kaisha
(72) TODA, Toshiki	(22) 06.11.2018	(72) MAEDA, Yuuki
(51) G02B 5/02	(54) SHROUD FOR SC OPTICAL	(31) 2010156009
G02B 27/42	CONNECTOR	2009188460
G09F 3/02	(73) PPC Broadband Fiber Ltd.	(32) 08.07.2010
G02B 5/18	(72) LEESON, Kim	17.08.2009
G09F 3/00	TREZISE, Shaun	(33) Japan
B42D 25/425	(31) 201762582180 P	Japan
B42D 25/29	(32) 06.11.2017	(51) G02B 21/00
B42D 25/324	(33) United States of America	G02B 21/24
B42D 25/328	(51) G02B 6/38	G02B 21/26
(11) EP3040746	(11) EP2821828	H01J 37/02
(21) EP16155629.5	(21) EP14164495.5	H01J 37/22
(47) 22.06.2022	(47) 22.06.2022	(11) EP3146374
(22) 18.04.2008	(22) 11.04.2014	(21) EP15730863.6
(54) DISPLAY AND LABELED ARTICLE	(54) ADAPTOR FOR A MULTI-TERMINAL	(47) 22.06.2022
(73) Toppan Printing Co., Ltd.	CONNECTOR WITH A HOUSING	(87) NL2015050368
(72) TODA, Toshiki	AND RELATED MULTI-TERMINAL	26.11.2015
(51) G02B 5/18	CONNECTOR	(22) 22.05.2015
B42D 25/29	(73) RADIALL	(54) METHOD FOR POSITIONING A FOCAL
(11) EP2699951	(72) Demaret, Emmanuel	PLANE OF A LIGHT IMAGING DEVICE
(21) EP12717096.7	Sourdillon, Gilles	AND APPARATUS ARRANGED FOR
(47) 22.06.2022	Mougin, Sylvain	APPLYING SAID METHOD
(87) EP2012057133	(31) 1353390	(73) DELMIC IP B.V.
26.10.2012	(32) 15.04.2013	(72) LIV HAMARAT, Nalan

NARVAEZ, Angela Carolina	(11) EP3249444	Suzuki, Yuto
KRUIT, Pieter	(21) EP16740055.5	Yonezawa, Hideo
HOOGENBOOM, Jacob Pieter	(47) 22.06.2022	Kono, Akifumi
(31) 2012874	(87) JP2016050994	Fukumoto, Yasuyuki
(32) 23.05.2014	28.07.2016	Kita, Yuki
(33) Netherlands	(22) 14.01.2016	Fujikawa, Akihiro
(51) G02B 23/08	(54) WEARABLE DISPLAY DEVICE AND	Tsuji, Hirohiko
G02B 15/167	IMAGE DISPLAY METHOD	Mori, Yasuhiro
(11) EP3193202	(73) Sony Interactive Entertainment Inc.	(31) 2011234180
(21) EP14901568.7	Sony Group Corporation	2011233763
(47) 22.06.2022	(72) MIYAZAKI, Rei	(32) 25.10.2011
(87) CN2014086271	KIKUCHI, Koji	25.10.2011
17.03.2016	ARAKI, Takamasa	(33) Japan
(22) 11.09.2014	NAKAMURA, Masatoshi	Japan
(54) MOBILE TERMINAL	TADA, Syotaro	(51) G02F 1/1334
(73) Huawei Technologies Co. Ltd.	(31) 2015109883	G02F 1/1333
(72) YIN, Hang	2015009835	B32B 7/02
PENG, Xinlu	(32) 29.05.2015	B32B 27/18
SUN, Yufei	21.01.2015	(11) EP3570094
DUAN, Haitao	(33) Japan	(21) EP18739252.7
(51) G02B 27/00	Japan	(47) 22.06.2022
G02B 27/01	(51) G02F 1/01	(87) JP2018000457
(11) EP3847498	G02F 1/225	19.07.2018
(21) EP19753316.9	(11) EP3615994	(22) 11.01.2018
(47) 22.06.2022	(21) EP18721217.0	(54) LIGHT CONTROL FILM
(87) EP2019071423	(47) 22.06.2022	(73) Nitto Denko Corporation
12.03.2020	(87) US2018026485	(72) YONEZAWA Hideyuki
(22) 09.08.2019	01.11.2018	HIRAI Mariko
(54) DISPLAY APPARATUS COMPRISING	(22) 06.04.2018	OTSUKA Masanori
A SELF-ILLUMINATED SCREEN	(54) THERMO-OPTIC PHASE SHIFTER	FUJINO Nozomi
ELEMENT, MOTOR VEHICLE	FOR SEMICONDUCTOR OPTICAL	(31) 2018002118
COMPRISING A DISPLAY APPARATUS,	WAVEGUIDE	2017004114
AND ASSOCIATED OPERATING	(73) Cisco Technology, Inc.	(32) 10.01.2018
METHOD	(72) ADAMS, Donald	13.01.2017
(73) Audi AG	ANDERSON, Sean P.	(33) Japan
(72) ZACHAR, Andrej	(31) 201715498274	Japan
HÉLOT, Jacques	(32) 26.04.2017	(51) G02F 1/13357
MERTENS, Joris	(33) United States of America	(11) EP3767383
(31) 102018215264	(51) G02F 1/1333	(21) EP20185886.7
(32) 07.09.2018	B60J 3/00	(47) 22.06.2022
(33) Germany	G02F 1/1339	(22) 15.07.2020
(51) G02B 27/01	B60J 3/04	(54) LIGHTING DEVICE AND DISPLAY
C03C 27/12	(11) EP3719564	DEVICE
G02B 5/26	(21) EP18881213.5	(73) Funai Electric Co., Ltd.
G02B 5/30	(47) 22.06.2022	(72) KOBAYASHI, Tomohiro
G02B 27/28	(87) JP2018042880	(31) 2019134023
(11) EP3260905	31.05.2019	(32) 19.07.2019
(21) EP16752572.4	(22) 20.11.2018	(33) Japan
(47) 22.06.2022	(54) LIGHT CONTROL UNIT AND LIGHT	(51) G02F 1/1345
(87) JP2016054790	CONTROL PLATE FOR WINDOW	H01L 27/32
25.08.2016	(73) Toppan Printing Co., Ltd.	(11) EP3748425
(22) 19.02.2016	(72) TSUJI Masaki	(21) EP20171448.2
(54) COMBINER AND HEAD-UP DISPLAY	(31) 2017226921	(47) 22.06.2022
SYSTEM	(32) 27.11.2017	(22) 27.04.2020
(73) FUJIFILM Corporation	(33) Japan	(54) DISPLAY DEVICE
(72) ICHIHASHI, Mitsuyoshi	(51) G02F 1/1333	(73) Samsung Display Co., Ltd.
ANZAI, Akihiro	G02F 1/13357	(72) Yang, Taehoon
OKI, Kazuhiro	H04N 5/655	Cho, Seunghwan
(31) 2015032019	F21V 8/00	Kim, Taewoo
(32) 20.02.2015	(11) EP3282309	Choi, Jonghyun
(33) Japan	(21) EP17187586.7	Kang, Kinyeng
(51) G02B 27/02	(47) 22.06.2022	(31) 20190065474
G09F 9/00	(22) 24.10.2012	(32) 03.06.2019
H04N 5/64	(54) DISPLAY DEVICE	(33) Korea (Republic)
G06T 5/00	(73) Funai Electric Co., Ltd.	(51) G02F 1/155
G02B 3/00	(72) Horiuchi, Hirofumi	E06B 3/67
G02B 25/00	Yamanaka, Takahito	B60J 3/04
G02B 27/01	Yokawa, Akira	G02F 1/15

G02F 1/153	H04N 5/225	102012203716
G02F 1/163	G03B 17/02	201261709510 P
G02F 1/1523	G03B 5/00	201261608685 P
(11) EP2883108	(11) EP3657244	(32) 04.10.2012
(21) EP13827579.7	(21) EP19211528.5	09.03.2012
(47) 22.06.2022	(47) 22.06.2022	04.10.2012
(87) US2013053966	(22) 25.07.2013	09.03.2012
13.02.2014	(54) CAMERA MODULE	(33) Germany
(22) 07.08.2013	(73) LG INNOTEK CO. LTD	Germany
(54) ELECTROCHROMIC MULTI-LAYER	(72) SOO, Kim Min	United States of America
DEVICES WITH COMPOSITE	(31) 20120083028	United States of America
ELECTRICALLY CONDUCTIVE LAYERS	(32) 30.07.2012	(51) G03F 7/20
(73) Kinestral Technologies, Inc.	(33) Korea (Republic)	H05H 7/04
(72) ZIEBARTH, Jonathan	(51) G03F 7/00	G01J 1/26
BERGH, Howard S.	C25D 1/00	G02B 1/06
TIMMERMAN, Nicolas	G04B 13/02	G02B 5/20
(31) 201261681133 P	G04B 15/14	G01J 1/04
(32) 08.08.2012	(11) EP3841433	G21K 1/10
(33) United States of America	(21) EP19756370.3	H01S 3/09
(51) G02F 1/17	(47) 22.06.2022	G01J 1/42
(11) EP3489741	(87) EP2019072484	G02B 26/02
(21) EP17830898.7	27.02.2020	H01S 3/00
(47) 22.06.2022	(22) 22.08.2019	(11) EP3514630
(87) JP2017025225	(54) METHOD FOR MANUFACTURING	(21) EP19152558.3
25.01.2018	A TIMEPIECE COMPONENT AND	(47) 22.06.2022
(22) 11.07.2017	COMPONENT PRODUCED BY THIS	(2) 17.06.2014
(54) LIGHT CONTROL LAMINATE AND	METHOD	(54) FREE ELECTRON LASER AND
RESIN SPACER FOR LIGHT CONTROL	(73) Nivarox-FAR S.A.	METHOD OF GENERATING AN EUV
LAMINATES	(72) GOLFIER, Clare	RADIATION BEAM USING THE SAME
(73) Sekisui Chemical Co., Ltd.	SALIHU, Fatmir	(73) ASML Netherlands B.V.
(72) YAMADA, Yasuyuki	CUSIN, Pierre	(72) DONKER, Rilpho Ludovicus
UEDA, Saori	(31) 18190253	FRIJNS, Olav Waldemar Vladimir
NAKAJIMA, Minoru	(32) 22.08.2018	ENGELEN, Wouter Joep
(31) 2016141590	(33) European Patent Office (EPO)	LOOPSTRA, Erik Roelof
(32) 19.07.2016	(51) G03F 7/20	DE VRIES, Gosse Charles
(33) Japan	(11) EP3655822	BANINE, Vadim Yevgenyevich
(51) G03B 17/56	(21) EP18750354.5	GRIMMINCK, Leonardus Adrianus
(11) EP3712699	(47) 22.06.2022	Gerardus
(21) EP20168586.4	(87) EP2018069780	DE JAGER, Pieter Willem Herman
(47) 22.06.2022	24.01.2019	NIENHUYIS, Han-Kwang
(22) 21.12.2016	(22) 20.07.2018	KRUIZINGA, Borgert
(54) CAMERA GIMBAL MOUNT SYSTEM	(54) SYSTEM AND PROCESS FOR DIRECT	LUITEN, Otger Jan
(73) GoPro, Inc.	CURING OF PHOTOPOLYMER	AKKERMANS, Johannes Antonius
(72) MUHLENKAMP IV, John George	PRINTING PLATES	Gerardus
YUI, Stephen	(73) Esko-Graphics Imaging GmbH	NIKIPELOV, Andrey
CASAREZ, Theresa Loney	(72) SIEVERS, Wolfgang	LITVINENKO, Vladimir
HARRISON, Ryan	(31) 201762534962 P	(31) 201461941332 P
(31) 201615385279	(32) 20.07.2017	201361889954 P
201562274077 P	(33) United States of America	201361836619 P
(32) 20.12.2016	(51) G03F 7/20	14171782
31.12.2015	G02B 5/09	14169803
(33) United States of America	G02B 27/48	14164037
United States of America	G02B 5/08	14152443
(51) G03B 30/00	G02B 27/09	(32) 18.02.2014
(11) EP3783429	(11) EP2823360	11.10.2013
(21) EP19192829.0	(21) EP13707849.9	18.06.2013
(47) 22.06.2022	(47) 22.06.2022	10.06.2014
(22) 21.08.2019	(87) EP2013054233	26.05.2014
(54) METHOD AND APPARATUS FOR	12.09.2013	09.04.2014
ASSEMBLING A CAMERA MODULE	(22) 04.03.2013	24.01.2014
FOR A MOTOR VEHICLE	(54) ILLUMINATION OPTICS FOR EUV	(33) United States of America
(73) Veoneer Sweden AB	PROJECTION LITHOGRAPHY AND	United States of America
(72) KNUTSSON, Per	OPTICAL SYSTEM HAVING SUCH AN	United States of America
KÄLLMAN, Elin	ILLUMINATION OPTICS	European Patent Office (EPO)
WIGREN, Roger	(73) Carl Zeiss SMT GmbH	European Patent Office (EPO)
(51) G03B 30/00	(72) DEGÜNTHER, Markus	European Patent Office (EPO)
G03B 3/10	PATRA, Michael	European Patent Office (EPO)
G02B 7/08	(31) 102012218076	(51) G03G 9/097

(11) EP3674805	(54) POWDER DISCHARGING STRUCTURE AND POWDER CYLINDER	(21) EP09168975.2
(21) EP19219787.9		(47) 22.06.2022
(47) 22.06.2022	(73) Tangshan Caofeidian Imaging Technology Ltd. Co.	(22) 11.11.2003
(22) 27.12.2019	(72) WANG, Hongbin	(54) Device for reconstructing video holograms
(54) TONER	CHEN, Bo	(73) SeeReal Technologies GmbH
(73) CANON KABUSHIKI KAISHA	(31) 201810115704	(72) Schwerdtner, Armin
(72) YAMAWAKI, Kentaro	(32) 06.02.2018	(31) 10253292
TOMINAGA, Tsuneyoshi	(33) China	(32) 13.11.2002
SATO, Masamichi	(51) G03G 15/08	(33) Germany
TANAKA, Masatake	G03G 21/18	
KOTOTANI, Shohei	(11) EP3637192	(51) G04B 15/10
KATSURA, Taiji	(21) EP19207356.7	G04B 17/04
(31) 2018247079	(47) 22.06.2022	G04B 23/02
(32) 28.12.2018	(22) 13.12.2013	G04B 19/26
(33) Japan	(54) PROCESS CARTRIDGE	G04B 19/243
(51) G03G 9/097	(73) CANON KABUSHIKI KAISHA	G04B 13/00
(11) EP3674806	(72) HIRUKAWA, Kuniaki	(11) EP3855255
(21) EP19219788.7	GOFUKU, Shuichi	(21) EP20152932.8
(47) 22.06.2022	MAESHIMA, Hideki	(47) 22.06.2022
(22) 27.12.2019	mitsui, Yoshihiro	(22) 21.01.2020
(54) TONER	(31) 2012273204	(54) LOCKING DEVICE FOR TIMEPIECES
(73) CANON KABUSHIKI KAISHA	(32) 14.12.2012	(73) Patek Philippe SA Genève
(72) NISHIKAWA, Koji	(33) Japan	(72) Hide, James
HOTTA, Yojiro	(51) G03G 15/20	
FURUI, Takaaki	(11) EP2793085	(51) G04B 37/22
HASHIMOTO, Yasuhiro	(21) EP14164916.0	A44C 27/00
NOMURA, Shotaro	(47) 22.06.2022	C23C 18/00
NAGASHIMA, Yuujirou	(22) 16.04.2014	G04B 19/12
(31) 2018247140	(54) Image forming apparatus	G04B 45/00
(32) 28.12.2018	(73) CANON KABUSHIKI KAISHA	C23C 8/36
(33) Japan	(72) Nishida, Satoshi	C23C 8/04
(51) G03G 15/00	Akamatsu, Takaaki	(11) EP3389427
(11) EP3454132	Kan, Shogo	(21) EP16798154.7
(21) EP18191512.5	Nanataki, Hideo	(47) 22.06.2022
(47) 22.06.2022	Suzuki, Akimichi	(87) EP2016078036
(22) 29.08.2018	Umeda, Kensuke	22.06.2017
(54) IMAGE FORMING APPARATUS AND TONER AMOUNT CALCULATING METHOD	Mitani, Takanori	(22) 17.11.2016
(73) KYOCERA Document Solutions Inc.	(31) 2014060011	(54) ZIRCONIA PANEL ELEMENT WITH SELECTIVE COLOURING
(72) MASHIMO, Takayuki	2013095195	(73) The Swatch Group Research and Development Ltd
MUTSUO, Toshiaki	2013086375	(72) FAURE, Cédric
TANAKA, Hiroki	(32) 24.03.2014	CURCHOD, Loïc
(31) 2017172612	30.04.2013	SPRINGER, Simon
(32) 08.09.2017	17.04.2013	WILLEMIN, Michel
(33) Japan	(33) Japan	(31) 15201251
(51) G03G 15/00	Japan	(32) 18.12.2015
G03G 15/06	Japan	(33) European Patent Office (EPO)
G03G 15/02	(51) G03G 21/18	
(11) EP3438755	(11) EP3572883	(51) G04D 7/00
(21) EP18185486.0	(21) EP19166055.4	G04D 7/04
(47) 22.06.2022	(47) 22.06.2022	(11) EP3832400
(22) 25.07.2018	(22) 29.03.2019	(21) EP19213433.6
(54) IMAGE FORMING APPARATUS	(54) METHOD FOR MANUFACTURING IMAGE BEARING UNIT AND METHOD FOR MANUFACTURING CARTRIDGE	(47) 22.06.2022
(73) CANON KABUSHIKI KAISHA	(73) CANON KABUSHIKI KAISHA	(22) 04.12.2019
(72) TOMII, Hiroshi	(72) NUMATA, Tetsuya	(54) DEVICE AND METHOD FOR MEASURING THE PLAY OF A TIMEPIECE ELEMENT
YAGO, Toshihisa	MAKIGUCHI, Daisuke	(73) ETA SA Manufacture Horlogère Suisse
TANAKA, Sumito	MURAKAMI, Ryuta	(72) RICHARD, Murielle
(31) 2017151756	MATSUMARU, Naoki	GANGUIN, Fabrice
(32) 04.08.2017	HORIKAWA, Tadashi	
(33) Japan	(31) 2018068209	(51) G05B 19/042
(51) G03G 15/08	(32) 30.03.2018	G05B 19/05
(11) EP3800509	(33) Japan	(11) EP3759556
(21) EP19750848.4	(51) G03H 1/22	(21) EP19709220.8
(47) 22.06.2022	H04N 13/00	(47) 22.06.2022
(87) CN2019074121	G03H 1/08	(87) US2019018475
15.08.2019	(11) EP2138911	24.10.2019
(22) 31.01.2019		(22) 19.02.2019

(54) OUTPUT MODULE, CONTROL SYSTEM AND METHOD FOR TESTING AN OUTPUT MODULE CONNECTED TO A COMPLEX LOAD	(54) CONTROL DEVICE, CONTROL METHOD FOR CONTROL DEVICE, INFORMATION PROCESSING PROGRAM, AND RECORDING MEDIUM	(47) 22.06.2022 (87) EP2019071228 13.02.2020 (22) 07.08.2019
(73) Siemens Aktiengesellschaft	(73) Omron Corporation	(54) SYSTEM AND METHOD FOR REMOTELY MANAGING CONFIGURATION OF INDUSTRIAL MACHINES
(72) KRAUSE, Peter	(72) KOJIMA, Tatsuya	(73) Siemens Aktiengesellschaft
(31) 201815957269	(72) TOKU, Takahiro	(72) VERMA, Amit
(32) 19.04.2018	(31) 2017205426	(31) 18187752
(33) United States of America	(32) 24.10.2017	(32) 07.08.2018
(51) G05B 19/042	(33) Japan	(33) European Patent Office (EPO)
G05B 19/05	(51) G05B 19/418	(51) G05B 23/02
H05K 7/14	B23Q 3/155	(11) EP3497527
(11) EP3948448	B25J 5/00	(21) EP16771060.7
(21) EP20719633.8	B23Q 17/09	(47) 22.06.2022
(47) 22.06.2022	(11) EP3872590	(87) US2016052025
(87) EP2020060742	(21) EP20160200.0	22.03.2018
29.10.2020	(47) 22.06.2022	(22) 16.09.2016
(22) 16.04.2020	(22) 28.02.2020	(54) GENERATION OF FAILURE MODELS FOR EMBEDDED ANALYTICS AND DIAGNOSTICS
(54) METHOD, SOFTWARE TERMINAL AND SYSTEM OF TERMINALS FOR CHANGING CONTROL SOFTWARE OF AN AUTOMATION SYSTEM	(54) METHOD FOR OPERATING AT LEAST ONE MACHINE TOOL MANAGEMENT SYSTEM, TOOL MACHINE MANAGEMENT SYSTEM AND AUTONOMOUS CHANGING SYSTEM	(73) Siemens Aktiengesellschaft
(73) Beckhoff Automation GmbH	(73) Schwäbische Werkzeugmaschinen GmbH	(72) ROSCA, Justinian
(72) EVENBURG, Birger	(72) Weisser, Stefan	LAMPARTER, Steffen
(72) MERSCH, Henning	(51) G05B 19/418	(51) G05B 23/02
(31) 102019110884	G06F 11/14	(11) EP3821310
(32) 26.04.2019	H04L 67/104	(21) EP19731224.2
(33) Germany	H04L 67/1095	(47) 22.06.2022
(51) G05B 19/042	H04L 67/1074	(87) EP2019065443
G06F 3/0362	H04L 67/12	16.01.2020
G06F 3/038	H04W 4/80	(22) 13.06.2019
G06F 3/01	(11) EP2354875	(54) METHOD FOR COMPENSATING FOR AN ERROR FUNCTION OF A FIELD DEVICE IN AN AUTOMATION TECHNOLOGY SYSTEM
G05G 1/08	(21) EP11152520.0	(73) Endress+Hauser SE+Co. KG
(11) EP3662346	(47) 22.06.2022	(72) KILIAN, Markus
(21) EP18765536.0	(22) 28.01.2011	SCHMIDT, Ralf
(47) 22.06.2022	(54) Peer-to-Peer exchange of data resources in a control system	BIRGEL, Eric
(87) AT2018060168	(73) Rockwell Automation Technologies, Inc.	BUCHNER, Reinhard
07.02.2019	(72) Gordon, Kevin G.	(31) 102018116893
(22) 27.07.2018	Jasper, Taryl J.	(32) 12.07.2018
(54) CONTROL DEVICE FOR INDUSTRIAL MACHINES	Kalan, Michael	(33) Germany
(73) KEB Industrial Automation GmbH	(31) 695869	(51) G05B 23/02
(72) FISCHER, Harald	(32) 28.01.2010	(11) EP3786747
MAHR, Wolfgang	(33) United States of America	(21) EP19194242.4
(31) 506422017	(51) G05B 19/418	(47) 22.06.2022
(32) 01.08.2017	H04L 12/46	(22) 29.08.2019
(33) Austria	(11) EP3367194	(54) METHOD FOR MONITORING THE OPERATIONAL FUNCTIONALITY OF A SYSTEM CONTROL SYSTEM
(51) G05B 19/05	(21) EP17157661.4	(73) Siemens Aktiengesellschaft
(11) EP3586203	(47) 22.06.2022	(72) Schweigert, Harald
(21) EP17715369.9	(22) 23.02.2017	(51) G05B 23/02
(47) 22.06.2022	(54) COMMISSIONING OF MACHINES WITH VIRTUAL COMPONENTS IN ISOLATED OPERATION WITHOUT IP ADDRESS ALLOCATION	(11) EP3677975
(87) US2017023984	(73) Siemens Aktiengesellschaft	(21) EP19214619.9
27.09.2018	(72) Talanis, Thomas	(47) 22.06.2022
(22) 24.03.2017	Höme, Stephan	(22) 09.12.2019
(54) RESILIENT FAILOVER OF INDUSTRIAL PROGRAMMABLE LOGIC CONTROLLERS	Peschmann, Steffen	(54) SYSTEMS AND METHODS FOR MONITORING AND DETERMINING HEALTH OF A COMPONENT
(73) Siemens Aktiengesellschaft	Albrecht, Harald	(73) Simmonds Precision Products, Inc.
(72) SONG, Zhen	Rziha, Martin	(72) DUKE, Alan M.
MARTINEZ CANEDO, Arquimedes	(51) G05B 19/418	(31) 201916241416
VELDINK, Mike	H04L 41/0803	(32) 07.01.2019
(51) G05B 19/05	(11) EP3818421	
(11) EP3702852	(21) EP19749729.0	
(21) EP18871093.3		
(47) 22.06.2022		
(87) JP2018037462		
02.05.2019		
(22) 05.10.2018		

(33) United States of America	(31) 201816176955	(73) SZ DJI Technology Co., Ltd.
(51) G05D 1/00	201862737684 P	(72) ZHOU, You
(11) EP3788451	(32) 31.10.2018	YAN, Jiaqi
(21) EP19724609.3	27.09.2018	ZHAO, Cong
(47) 22.06.2022	(33) United States of America	FENG, Xuyang
(87) IB2019052884	United States of America	(51) G05D 21/02
07.11.2019	(51) G05D 1/00	(11) EP3598265
(22) 08.04.2019	G06F 11/36	(21) EP19181001.9
(54) CONTROLLING A VEHICLE USING A	G06F 9/455	(47) 22.06.2022
REMOTELY LOCATED LASER AND AN	(11) EP3948468	(22) 18.06.2019
ON-BOARD CAMERA	(21) EP21701281.4	(54) FLUID MIXING SYSTEM FOR MIXING
(73) Saudi Arabian Oil Company	(47) 22.06.2022	COMPONENTS FOR A LIQUID
King Abdullah University of Science and	(87) EP2021051076	PRODUCT
Technology	21.10.2021	(73) KRONES Aktiengesellschaft
(72) ALZUHAI, Khalid Fahad	(22) 19.01.2021	(72) Engel, Erwin
SHAMMA, Jeff S.	(54) CONTROLLER FOR A VEHICLE,	(31) 102018211406
ABDELLATIF, Fadl	METHOD FOR TESTING A PROGRAM	(32) 10.07.2018
SHAQURA, Mohammad Z.	ELEMENT OF A VEHICLE FUNCTION,	(33) Germany
(31) 201862778075 P	AND MOTOR VEHICLE COMPRISING A	(51) G05G 1/02
201862666197 P	CONTROLLER	G05G 5/05
(32) 11.12.2018	(73) Audi AG	G05G 9/02
03.05.2018	(72) HOFMOCKEL, Klaus	H03K 17/97
(33) United States of America	SICKLINGER, Stefan	(11) EP3374839
United States of America	(31) 102020110271	(21) EP16795012.0
(51) G05D 1/00	(32) 15.04.2020	(47) 22.06.2022
B60W 30/00	(33) Germany	(87) EP2016077282
B64C 39/00	(51) G05D 1/02	18.05.2017
G08G 1/00	G01S 17/931	(22) 10.11.2016
G08G 1/01	G01S 17/89	(54) REMOTE-CONTROL SYSTEM WITH
G08G 1/04	G01S 17/86	HOMOPOLAR MAGNETS
(11) EP3757708	G06T 7/70	(73) FM Marketing GmbH
(21) EP20181891.1	G01S 17/42	(72) MAIER, Ferdinand
(47) 22.06.2022	G01C 21/36	(31) 102015119485
(22) 24.06.2020	B60W 40/076	(32) 11.11.2015
(54) METHOD AND APPARATUS FOR	B60W 30/095	(33) Germany
USING DRONE ON MOVING OBJECT	G01C 21/34	(51) G06F 1/02
(73) Kia Corporation	G08G 1/16	G06F 1/025
Ajou University Industry-Academic	G01C 3/06	H01J 37/32
Cooperation Foundation	B60W 30/10	H03K 5/00
HYUNDAI MOTOR COMPANY	(11) EP3663882	(11) EP3317742
(72) PARK, Kiyoon	(21) EP18841153.2	(21) EP16740975.4
KIM, Jiwon	(47) 22.06.2022	(47) 22.06.2022
YUN, Ilsoo	(87) JP2018027840	(87) EP2016065386
PARK, Sungho	07.02.2019	05.01.2017
RYU, Seungkyu	(22) 25.07.2018	(22) 30.06.2016
JEONG, Harim	(54) INFORMATION PROCESSING DEVICE,	(54) DEVICE AND METHOD FOR
KWON, Cheolwoo	INFORMATION PROCESSING	GENERATING A PLURALITY
PARK, Sangmin	METHOD, PROGRAM AND MOBILE	OF CLOCK SIGNALS OR HIGH-
HA, Jae Jun	UNIT	FREQUENCY SIGNALS
(31) 20190075262	(73) Sony Group Corporation	(73) TRUMPF Hüttlinger GmbH + Co. KG
(32) 24.06.2019	(72) DOBA, Kentaro	(72) VOR DEM BROCKE, Manuel
(33) Korea (Republic)	OYAIZU, Hideki	SCHWERG, Nikolai
(51) G05D 1/00	SUTOU, Yasuhiro	HOFSTETTER, Christoph
G05D 1/02	YAMAZAKI, Toshio	PENA VIDAL, Alberto
G06K 9/62	MOTOYAMA, Takuto	BANNWARTH, Armin
G06K 9/46	(31) 2017151476	GREDE, André
G06F 3/16	(32) 04.08.2017	GRUNER, Daniel
(11) EP3814865	(33) Japan	BOCK, Christian
(21) EP19783943.4	(51) G05D 1/10	WINTERHALTER, Markus
(47) 22.06.2022	G05D 1/00	(31) 102015212243
(87) US2019053200	(11) EP3446190	(32) 30.06.2015
02.04.2020	(21) EP16901942.9	(33) Germany
(22) 26.09.2019	(47) 22.06.2022	(51) G06F 1/16
(54) SELF-AWARE VISUAL-TEXTUAL CO-	(87) CN2016082188	G06F 3/01
GROUNDING NAVIGATION AGENT	23.11.2017	G06F 3/042
(73) salesforce.com, inc.	(22) 16.05.2016	G06F 9/451
(72) MA, Chih-Yao	(54) SYSTEMS AND METHODS FOR	G06F 11/07
XIONG, Caiming	COORDINATING DEVICE ACTIONS	G06T 19/00

G09G 3/00	G06F 1/20	(87) KR2014008931
G09G 5/14	H05K 7/20	21.01.2016
G02B 27/01	(11) EP3716009	(22) 25.09.2014
G06F 3/147	(21) EP18912791.3	(54) TACTILE INFORMATION PROVIDING DEVICE
G09G 5/00	(47) 22.06.2022	(73) CK Materials Lab Co., Ltd.
G06F 3/0487	(87) CN2018081461	(72) KIM, Hyeong Jun
(11) EP3599532	03.10.2019	DO, Seoung Hun
(21) EP19187087.2	(22) 30.03.2018	(31) 20140121348
(47) 22.06.2022	(54) CHASSIS OF SERVER AND SERVER	20140090910
(22) 14.11.2017	(73) Huawei Technologies Co., Ltd.	(32) 12.09.2014
(54) A SYSTEM FOR IMPORTING USER INTERFACE DEVICES INTO VIRTUAL/AUGMENTED REALITY	(72) LU, Dongming	18.07.2014
(73) Logitech Europe S.A.	CHEN, Lv	(33) Korea (Republic)
(72) HARVEY, Stephen	SUN, Hao	Korea (Republic)
TWOHIG, Marcel	(51) G06F 1/30	
CONNELLAN, Andreas	G06F 11/14	(51) G06F 3/01
MEISSER, Mathieu	(11) EP3164782	G06F 3/03
CURRAN, Noirin	(21) EP15753719.2	G06K 9/00
MURPHY, Padraig	(47) 22.06.2022	G06T 19/00
O'SULLIVAN, Damien	(87) FR2015051830	G06F 3/0346
TROTMAN, Ciaran	07.01.2016	(11) EP3714354
GUTIERREZ, Mario	(22) 02.07.2015	(21) EP18836938.3
ROUVINEZ, Thomas	(54) METHOD FOR SECURING THE CUTTING OFF OF THE POWER SUPPLY TO A USB DEVICE	(47) 22.06.2022
KEHOE, Aidan	(73) PSA Automobiles SA	(87) US2018060944
ONORIO, Dennin	(72) ADJADJ, Mehdi	31.05.2019
ZIMMERMANN, Remy	BOISSERIE, Antony	(22) 14.11.2018
AHERN, Jerry	(31) 1456418	(54) NAVIGATION IN AUGMENTED REALITY ENVIRONMENT
O'BRADAIGH, Pierce	(32) 03.07.2014	(73) Google LLC
O'KEEFFE, Denis	(33) France	(72) BARROS, Brett
RIVIERE, Olivier	(51) G06F 1/3231	PALOS, Xavier Benavides
(31) 201662421910 P	G06F 1/16	(31) 201715819528
(32) 14.11.2016	G06F 3/01	(32) 21.11.2017
(33) United States of America	(11) EP3647904	(33) United States of America
(51) G06F 1/16	(21) EP19189664.6	(51) G06F 3/041
G06F 3/0488	(47) 22.06.2022	G06F 3/044
(11) EP3610349	(22) 01.08.2019	(11) EP3652625
(21) EP18713496.0	(54) METHOD AND SYSTEM FOR DEVICE ACTIVATION	(21) EP18731700.3
(47) 22.06.2022	(73) Sony Group Corporation	(47) 22.06.2022
(87) US2018021433	(72) Huang, Sangxia	(87) US2018034796
18.10.2018	(31) 1830309	17.01.2019
(22) 08.03.2018	(32) 29.10.2018	(22) 28.05.2018
(54) USING PRESSURE SENSOR INPUT TO SELECTIVELY ROUTE USER INPUTS	(33) Sweden	(54) METHOD FOR TOUCH DETECTION ENHANCEMENT BASED ON IDENTIFYING A COVER FILM ON A TOUCH-SCREEN
(73) Google LLC	(51) G06F 3/01	(73) Microsoft Technology Licensing, LLC
(72) KARLO, Thomas Ramon	A63F 13/24	(72) ORLOVSKY, Michael
SUNDARA-RAJAN, Kishore	A63F 13/285	BAREL, Eliyahu
REYNOLDS, Isaac	(11) EP3014394	(31) 201715647346
(31) 201715483577	(21) EP14819570.4	(32) 12.07.2017
(32) 10.04.2017	(47) 22.06.2022	(33) United States of America
(33) United States of America	(87) US2014044735	
(51) G06F 1/16	08.01.2015	(51) G06F 3/0481
H05K 1/14	(22) 27.06.2014	G06Q 30/06
(11) EP3782006	(54) WHOLE-BODY HUMAN-COMPUTER INTERFACE	(11) EP3200057
(21) EP19718187.8	(73) Rubin, Jacob A.	(21) EP17000086.3
(47) 22.06.2022	Crockett, Robert S.	(47) 22.06.2022
(87) EP2019060247	(72) Rubin, Jacob A.	(22) 18.01.2017
24.10.2019	Crockett, Robert S.	(54) SHORT CUT LINKS IN A GRAPHICAL USER INTERFACE
(22) 19.04.2019	(31) 201361843317 P	(73) Amadeus S.A.S.
(54) DATA CAPTURE SYSTEM FOR INSTRUMENTING A STRUCTURE	(32) 05.07.2013	(72) Smoaca, Andreea
(73) Safran Data Systems	(33) United States of America	Courvoisier, Pierre
(72) GUERRERO, Ghislain	(51) G06F 3/01	Reissman, Pierre-Jean
PINTO, Olivier	B06B 1/04	Pierlot, Loic
(31) 1853458	G08B 6/00	Lee Ken Sang, Jason
(32) 19.04.2018	(11) EP3206107	(31) 1650645
(33) France	(21) EP14897694.7	201615007913
(51) G06F 1/18	(47) 22.06.2022	(32) 27.01.2016

27.01.2016	LING, Fan	(47) 22.06.2022
(33) France	(51) G06F 3/06	(22) 09.07.2020
United States of America	G06F 12/02	(54) RANDOM NUMBER GENERATION
(51) G06F 3/0488	(11) EP3862865	DEVICE AND RANDOM NUMBER
B60K 35/00	(21) EP21154694.0	GENERATION METHOD
B60K 37/06	(47) 22.06.2022	(73) FUJITSU LIMITED
G06F 3/0482	(22) 02.02.2021	(72) TAKATSU, Motomu
(11) EP3765951	(54) SYSTEMS AND METHODS FOR	(31) 2019131765
(21) EP19711146.1	STORAGE DEVICE BLOCK-LEVEL	(32) 17.07.2019
(47) 22.06.2022	FAILURE PREDICTION	(33) Japan
(87) FR2019050307	(73) Samsung Electronics Co., Ltd.	(51) G06F 8/65
19.09.2019	(72) ELYASI, Nima	G06F 9/445
(22) 13.02.2019	CHOI, Changho	(11) EP3410293
(54) TOUCH-SENSITIVE INTERFACE	(31) 202016843823	(21) EP18171873.5
FOR CONTROLLING VEHICLE	202062971773 P	(47) 22.06.2022
APPLICATIONS	(32) 08.04.2020	(22) 11.05.2018
(73) PSA Automobiles SA	07.02.2020	(54) SYSTEMS AND METHODS FOR
(72) JOUBERT, Morgan	(33) United States of America	CONTINUOUS CONFIGURATION
POGNON, Jean Luc	United States of America	DEPLOYMENT
HAMROUN, Darris	(51) G06F 3/16	(73) Palantir Technologies Inc.
DIAKITE KABA, Saran	(11) EP3891597	(72) Schweiger, James
(31) 1852103	(21) EP19828482.0	Montague, Thomas
(32) 12.03.2018	(47) 22.06.2022	Hall, Nicholas
(33) France	(87) US2019064907	Muraj, Hamza
(51) G06F 3/0488	11.06.2020	Free, Jason
G06F 3/048	(22) 06.12.2019	Montgomery, John
G06F 3/03	(54) SYSTEMS AND METHODS OF	Levan, Matthew
G06F 3/042	OPERATING MEDIA PLAYBACK	(31) 201715787335
(11) EP3341826	SYSTEMS HAVING MULTIPLE VOICE	201762507095 P
(21) EP15905586.2	ASSISTANT SERVICES	(32) 18.10.2017
(47) 22.06.2022	(73) Sonos, Inc.	16.05.2017
(87) US2015053191	(72) PARK, Sangah	(33) United States of America
06.04.2017	MYERS, Ryan, Richard	United States of America
(22) 30.09.2015	VEGA ZAYAS, Luis, R.	(51) G06F 8/71
(54) INTERACTIVE DISPLAY SYSTEM	(31) 201816213570	G06F 8/20
(73) Hewlett-Packard Development Company,	(32) 07.12.2018	G06Q 10/06
L.P.	(33) United States of America	G06Q 10/10
(72) HAILPERN, Joshua	(51) G06F 3/16	(11) EP3743803
JUCHEM, Murilo	H04M 1/19	(21) EP18727251.3
(51) G06F 3/0488	(11) EP2629194	(47) 22.06.2022
G06F 3/0481	(21) EP13155267.1	(87) EP2018063515
G06F 3/0482	(47) 22.06.2022	28.11.2019
(11) EP3499355	(22) 14.02.2013	(22) 23.05.2018
(21) EP16914576.0	(54) Secure audio peripheral device	(54) DEVICE AND SYSTEM FOR MODEL
(47) 22.06.2022	(73) High Sec Labs Ltd.	BASED VERSION MANAGEMENT OF
(87) CN2016097647	(72) Soffer, Aviv	ENTITY INSTANCES
08.03.2018	(31) 201213398074	(73) HUAWEI TECHNOLOGIES CO., LTD.
(22) 31.08.2016	(32) 16.02.2012	(72) DE MATTEIS, Luca
(54) APPLICATION INTERFACE DISPLAY	(33) United States of America	THIYAGARAJAH, Janakiraman
METHOD AND TERMINAL DEVICE	(51) G06F 7/53	PUGGELLI, Gianluca
(73) Huawei Technologies Co., Ltd.	(11) EP3841461	LV, Peng
(72) GAN, Yuanli	(21) EP19779292.2	CAM, Osman
LIU, Tao	(47) 22.06.2022	(51) G06F 9/30
(51) G06F 3/0488	(87) US2019051203	(11) EP3607434
G06T 11/00	26.03.2020	(21) EP17729936.9
G06T 11/60	(22) 14.09.2019	(47) 22.06.2022
G06F 3/0484	(54) DIGITAL CIRCUIT WITH COMPRESSED	(87) RU2017000208
(11) EP3575947	CARRY	11.10.2018
(21) EP19187093.0	(73) Groq, Inc.	(22) 06.04.2017
(47) 22.06.2022	(72) CLARK, Christopher, Aaron	(54) VECTOR COMPRESS2 AND EXPAND2
(22) 23.02.2013	ROSS, Jonathan	INSTRUCTIONS WITH TWO MEMORY
(54) SYSTEMS AND METHODS FOR	(31) 201816138726	LOCATIONS
INTERACTIVE IMAGE CARICATURING	(32) 21.09.2018	(73) Intel Corporation
BY AN ELECTRONIC DEVICE	(33) United States of America	(72) ERMOLAEV, Igor
(73) QUALCOMM Incorporated	(51) G06F 7/58	PLOTKINOV, Mikhail
(72) ZHANG, Lei	(11) EP3767456	BOBYR, Alexander
BI, Ning	(21) EP20184874.4	(51) G06F 9/30
ZOU, Xuan		(11) EP3779680

(21) EP20196607.4	G06F 40/117	(87) EP2017067418
(47) 22.06.2022	G06F 40/131	17.01.2019
(22) 19.02.2018	(11) EP3511828	(22) 11.07.2017
(54) PERMUTING IN A MATRIX-VECTOR PROCESSOR	(21) EP17854782.4	(54) METHODS AND ARRANGEMENTS FOR ROBOT DEVICE CONTROL IN A CLOUD
(73) Google LLC	(47) 22.06.2022	(73) Telefonaktiebolaget LM Ericsson (Publ)
(72) CLARK, Christopher Aaron	(87) CN2017103031	(72) SZABO, Geza
TEMAM, Olivier	05.04.2018	RÁCZ, Sándor
ROSS, Jonathan	(22) 22.09.2017	BÁDER, Attila
WOO, Dong Hyuk	(54) INFORMATION PROCESSING METHOD, TERMINAL, AND COMPUTER STORAGE MEDIUM	(51) G06F 9/50
PHELPS, Andrew Everett	(73) Tencent Technology (Shenzhen) Company Limited	H04L 12/24
THORSON, Gregory Michael	(72) LI, Lieqiang	(11) EP3430509
(31) 201715496418	ZHANG, Xubo	(21) EP17708805.1
201762460394 P	(31) 201610877820	(47) 22.06.2022
(32) 25.04.2017	(32) 30.09.2016	(87) EP2017055174
17.02.2017	(33) China	21.09.2017
(33) United States of America		(22) 06.03.2017
United States of America		(54) CONFLICT RESOLUTION IN NETWORK VIRTUALIZATION SCENARIOS
(51) G06F 9/38	(51) G06F 9/451	(73) Nokia Solutions and Networks Oy
G06F 9/30	G06Q 30/06	(72) ANDRIANOV, Anatoly
(11) EP3394737	G06F 9/54	BODOG, Gyula
(21) EP16879797.5	G06Q 10/10	(31) 201662308561 P
(47) 22.06.2022	(11) EP3244312	(32) 15.03.2016
(87) US2016063647	(21) EP17000784.3	(33) United States of America
29.06.2017	(47) 22.06.2022	(51) G06F 9/52
(22) 23.11.2016	(22) 05.05.2017	G06F 15/173
(54) PROCESSING DEVICES TO PERFORM A KEY VALUE LOOKUP INSTRUCTION	(54) A PERSONAL DIGITAL ASSISTANT	G06F 9/54
(73) Intel Corporation	(73) SAP SE	G06F 9/30
(72) DOSHI, Kshitij A.	(72) Jann, Florian	G06F 9/38
OULD-AHMED-VALL, Elmoustapha	Kruse, Matthias	(11) EP3474141
MISHRA, Asit K.	Grammatikakis, Ioannis	(21) EP18200106.5
MARR, Deborah T.	Stefanov, Tzanko	(47) 22.06.2022
(31) 201514757995	Cabahug, Maricel	(22) 12.10.2018
(32) 23.12.2015	Kirchfeld, Stefan	(54) COMPILER METHOD
(33) United States of America	Jann, Annette	(73) Graphcore Limited
(51) G06F 9/4401	Richter, Kai	(72) OSBORNE, Richard Luke Southwell
G06F 13/16	Voutta, Emil	MANGANALL, Jonathan
G06F 9/445	Steiner, Martin	FELIX, Stephen
(11) EP2846259	Wodtke, Dirk	ALEXANDER, Alan Graham
(21) EP14183118.0	Krenkler, Michael	WILKINSON, Daniel John Pelham
(47) 22.06.2022	(31) 201615392375	KNOWLES, Simon Christian
(22) 02.09.2014	201662336100 P	LACEY, David
(54) Method and apparatus for controlling memory startup	(32) 28.12.2016	(31) 201717304
(73) Huawei Technologies Co., Ltd.	13.05.2016	(32) 20.10.2017
(72) Yu, Bingxu	(33) United States of America	(33) United Kingdom
Cai, Zhiyong	United States of America	(51) G06F 9/54
Li, Zhi	(51) G06F 9/50	(11) EP3167370
(31) 201310392586	(11) EP3574613	(21) EP15741433.5
(32) 02.09.2013	(21) EP18761131.4	(47) 22.06.2022
(33) China	(47) 22.06.2022	(87) US2015039170
(51) G06F 9/451	(87) CN2018076994	14.01.2016
G06F 9/445	07.09.2018	(22) 06.07.2015
G06F 3/04817	(22) 23.02.2018	(54) STREAM BASED EVENT PROCESSING UTILIZING VIRTUAL STREAMS AND PROCESSING AGENTS
F04D 19/04	(54) UNIFIED RESOURCE MANAGEMENT IN A DATA CENTER CLOUD ARCHITECTURE	(73) Microsoft Technology Licensing, LLC
F04D 27/00	(73) Huawei Technologies Co., Ltd.	(72) CHEUNG, Felix
(11) EP3627317	(72) HU, Ziang	BYKOV, Sergey
(21) EP19194117.8	HU, Luhui	HESKY, Andrew Alexander
(47) 22.06.2022	ZANG, Hui	GELLER, Alan Stuart
(22) 28.08.2019	(31) 201715448444	KLIOT, Gabriel
(54) METHOD FOR CONFIGURING A VACUUM DEVICE	(32) 02.03.2017	MALYUK, Michael William
(73) Pfeiffer Vacuum GmbH	(33) United States of America	MELAMED, Tamir
(72) Böttcher, Jochen	(51) G06F 9/50	SOMUAH, Henry Hooper
(51) G06F 9/451	B25J 9/16	THELIN, Jorgen
G06F 16/958	(11) EP3652642	
G06F 40/106	(21) EP17737794.2	
	(47) 22.06.2022	

RODI, Robert Louis	(47) 22.06.2022	G06F 16/957
(31) 201414326239	(87) JP2016050604	(11) EP3193270
(32) 08.07.2014	28.07.2016	(21) EP17157948.5
(33) United States of America	(22) 12.01.2016	(47) 22.06.2022
(51) G06F 9/54	(54) VEHICLE CONTROL DEVICE	(22) 10.02.2014
G06F 3/0488	(73) Hitachi Astemo, Ltd.	(54) OUTPUT FUNCTION DIVIDING SYSTEM
(11) EP3676709	(72) FUKUDA Takeshi	(73) Nippon Telegraph and Telephone Corporation
(21) EP18778769.2	EBINA Tomohito	(72) Ishizuka, Mika
(47) 22.06.2022	KOMATSU Hiroaki	Kitabata, Miki
(87) US2018049977	NARISAWA Fumio	Kobayashi, Eiji
03.10.2019	(31) 2015009051	Kashiwagi, Keiichiro
(22) 07.09.2018	(32) 21.01.2015	Kurebayashi, Ryosuke
(54) CONTROLLING THE TRIGGERING OF FUNCTION CALLS FROM CONTENT ITEMS	(33) Japan	Doi, Shinichi
(73) Google LLC	(51) G06F 11/36	Tanaka, Hiroyuki
(72) LAWRENCE, Curt	G06F 8/60	(31) 2013258618
EARNSHAW, Richard	G06F 9/50	2013214357
MARCHIORI, Eugenio	(11) EP3688593	2013024265
(31) 201815938990	(21) EP18792690.2	(32) 13.12.2013
(32) 28.03.2018	(47) 22.06.2022	15.10.2013
(33) United States of America	(87) US2018053628	12.02.2013
(51) G06F 9/54	04.04.2019	(33) Japan
H04L 29/08	(22) 28.09.2018	Japan
(11) EP3688588	(54) REAL-TIME DEBUGGING INSTANCES IN A DEPLOYED CONTAINER PLATFORM	Japan
(21) EP18789540.4	(73) Oracle International Corporation	(51) G06F 13/20
(47) 22.06.2022	(72) CALDATO, Claudio	G06F 21/82
(87) US2018052992	SCHOLL, Boris	G06F 21/74
04.04.2019	(31) 201762566351 P	G06F 13/40
(22) 26.09.2018	(32) 30.09.2017	G06F 15/78
(54) RECEIVING A DATA OBJECT AT A DEVICE	(33) United States of America	G06Q 20/32
(73) Amazon Technologies, Inc.	(51) G06F 12/02	(11) EP3467667
(72) LOLADIA, Rameez	G06F 16/22	(21) EP17819274.6
KRISHNAMOORTHY, Shyam	G06F 16/31	(47) 22.06.2022
YOUNG, Richard David	G06F 16/901	(87) CN2017090591
JAIN, Nihal Chand	(11) EP3857383	04.01.2018
(31) 201715716373	(21) EP19786410.1	(22) 28.06.2017
201715716365	(47) 22.06.2022	(54) SYSTEM-ON-CHIP AND TERMINAL
(32) 26.09.2017	(87) US2019052343	(73) Huawei Technologies Co., Ltd.
26.09.2017	02.04.2020	(72) PAN, Shilin
(33) United States of America	(22) 23.09.2019	(31) 201610512240
United States of America	(54) METHOD FOR VECTORIZING D-HEAPS USING HORIZONTAL AGGREGATION SIMD INSTRUCTIONS	(32) 01.07.2016
(51) G06F 11/14	(73) Oracle International Corporation	(33) China
G06F 16/21	(72) FENDER, Pit	(51) G06F 13/28
G06F 16/27	CHAFFI, Hassan	(11) EP3686745
(11) EP3561694	BRANTNER, Matthias	(21) EP20163192.6
(21) EP17884001.3	SCHLEGEL, Benjamin	(47) 22.06.2022
(47) 22.06.2022	KASTURE, Harshad	(22) 17.03.2017
(87) CN2017115392	(31) 201816139226	(54) TUPLE ENCODING AWARE DIRECT MEMORY ACCESS ENGINE FOR SCRATCHPAD ENABLED MULTICORE PROCESSORS
28.06.2018	(32) 24.09.2018	(73) Oracle International Corporation
(22) 11.12.2017	(33) United States of America	(72) DULLER, Michael
(54) MANAGEMENT METHOD, SYSTEM, AND DEVICE FOR MASTER AND STANDBY DATABASES	(51) G06F 12/14	IDICULA, Sam
(73) Beijing OceanBase Technology Co., Ltd.	(11) EP3809271	HAWKINS, David Joseph
(72) YANG, Zhenkun	(21) EP18930454.6	JAIN, Rishabh
HUANG, Gui	(47) 22.06.2022	BROWN, David A.
(31) 201611183638	(87) CN2018100649	SCHLANGER, Erik
(32) 20.12.2016	20.02.2020	(31) 201615073905
(33) China	(22) 15.08.2018	(32) 18.03.2016
(51) G06F 11/22	(54) SECURE DATA TRANSFER APPARATUS, SYSTEM AND METHOD	(33) United States of America
G06F 9/445	(73) HUAWEI TECHNOLOGIES CO., LTD.	(51) G06F 13/40
G06F 11/14	(72) PAN, Shilin	H05K 1/02
G06F 9/4401	(51) G06F 13/00	(11) EP3734464
G06F 11/07	G06F 3/153	(21) EP20170341.0
(11) EP3249534	G06F 3/0481	(47) 22.06.2022
(21) EP16740009.2	G06F 3/0484	(22) 20.04.2020

(54) INTEGRATED FILTER FOR DE-SENSE REDUCTION	(87) US2017054182 05.04.2018	LAM, Kingtin (31) 201310131430
(73) NXP B.V.	(22) 28.09.2017	(32) 16.04.2013
(72) DELSHADPOUR, Siamak EL SABBAGH, Mahmoud Mohamed Amin MATHEW, Anu	(54) LOGIC REPOSITORY SERVICE USING ENCRYPTED CONFIGURATION DATA	(33) China
(31) 201916397709	(73) Amazon Technologies, Inc.	(51) G06F 16/9535
(32) 29.04.2019	(72) BSHARA, Nafea	G06Q 30/02
(33) United States of America	KHAN, Asif	G06Q 10/10
(51) G06F 13/42	ATTA, Islam Mohamed Hatem	G06F 16/22
(11) EP3893121	Abdulfattah Mohamed	G06F 16/957
(21) EP21159676.2	TANDON, Prateek	(11) EP2817738
(47) 22.06.2022	PETTEY, Christopher, Joseph	(21) EP12869102.9
(22) 26.02.2021	DAVIS, Mark, Bradley	(47) 22.06.2022
(54) METHODS AND ARRANGEMENTS FOR ARRANGING DATA COMMUNICATION BETWEEN ELECTRONIC DEVICES IN A TRANSPORTATION MEANS	(31) 201615280677	(87) FI2012050178
(73) Teknoware Oy	(32) 29.09.2016	29.08.2013
(72) Alava, Matti	(33) United States of America	(22) 22.02.2012
(31) 20205230	(51) G06F 15/78	(54) PREDICTIVE SERVICE ACCESS
(32) 04.03.2020	G06F 12/0893	(73) Nokia Technologies Oy
(33) Finland	G06F 12/0806	(72) BESZTERI, Istvan
(51) G06F 13/42	(11) EP2883151	MONNI, Eki
H04L 12/40	(21) EP13751006.1	TERHO, Mikko
H04L 67/12	(47) 22.06.2022	HELLSTRÖM, Minna
H04L 67/564	(87) US2013054004	LÖNNFORS, Mikko
(11) EP3486794	13.02.2014	(51) G06F 21/10
(21) EP18153105.4	(22) 07.08.2013	G06F 21/62
(47) 22.06.2022	(54) TUNABLE MULTI-TIERED STT-MRAM CACHE FOR MULTI-CORE PROCESSORS	H04L 9/40
(22) 23.01.2018	(73) Qualcomm Incorporated	(11) EP2625646
(54) A COMMUNICATION SYSTEM CONFIGURED FOR TRANSMITTING SENSOR VALUES FROM N SENSING SOURCES TO A CONTROL UNIT	(72) WU, Xiaoxia	(21) EP11831578.7
(73) Sensata Technologies, Inc.	ZHU, Xiaochun	(47) 22.06.2022
(72) BOERRIGTER, Mark Johannes Gerhardus SLOTBOOM, Danny Johannes Hendrikus	KANG, Seung H.	(87) US2011055062
(31) 201715813364	(31) 201213571426	12.04.2012
(32) 15.11.2017	(32) 10.08.2012	(22) 06.10.2011
(33) United States of America	(33) United States of America	(54) MEDIATING RESOURCE ACCESS BASED ON A PHYSICAL LOCATION OF A MOBILE DEVICE
(51) G06F 15/173	(51) G06F 16/178	(73) Citrix Systems Inc.
H04L 12/28	G06F 16/16	(72) MAZZAFERRI, Richard
H04L 29/06	(11) EP3516544	LABORCZALVI, Lee
H04L 29/12	(21) EP1777446.0	DUURSMA, Martin
(11) EP3602315	(47) 22.06.2022	HACKETT, Donovan
(21) EP18774768.8	(87) US2017051243	(31) 390345 P
(47) 22.06.2022	29.03.2018	(32) 06.10.2010
(87) US2018024381	(22) 13.09.2017	(33) United States of America
04.10.2018	(54) POLICY BASED HYDRATION BEHAVIOR IN CLOUD STORAGE SYNCHRONIZATION	(51) G06F 21/32
(22) 26.03.2018	(73) Microsoft Technology Licensing, LLC	G07C 9/00
(54) SECURING PORT FORWARDING THROUGH A NETWORK TRAFFIC HUB	(72) NICHOLS, Jack Allen	G06V 10/98
(73) Cujo LLC	AVERETT, Ed	G06V 40/50
(72) VON GRAVROCK, Einaras KUPERMAN, Leonid	(31) 201615271185	(11) EP3486822
(31) 201762477359 P	(32) 20.09.2016	(21) EP18210478.6
(32) 27.03.2017	(33) United States of America	(47) 22.06.2022
(33) United States of America	(51) G06F 16/903	(22) 08.07.2015
(51) G06F 15/78	G06F 11/16	(54) MOBILE TERMINAL FOR DETERMINING BIOMETRIC DATA
G06F 9/50	G06F 9/54	(73) Bundesdruckerei GmbH
(11) EP3519980	G06F 12/0842	(72) KÜTER, Dr. Joachim
(21) EP17787997.0	(11) EP2985702	WOLF, Dr. Andreas
(47) 22.06.2022	(21) EP13882376.0	(31) 102014109682
	(47) 22.06.2022	(32) 10.07.2014
	(87) CN2013087402	(33) Germany
	23.10.2014	(51) G06F 21/32
	(22) 19.11.2013	H04L 9/40
	(54) DATA PROCESSING METHOD AND DEVICE, AND COMPUTER SYSTEM	(11) EP3111359
	(73) Huawei Technologies Co., Ltd.	(21) EP15708962.4
	(72) SHI, Jinghao	(47) 22.06.2022
	WANG, Cho-li	(87) US2015016173
	ZHU, Wangbin	03.09.2015
		(22) 17.02.2015

(54) METHOD AND SYSTEM FOR EXTRACTING CHARACTERISTIC INFORMATION	COHEN, Almog IZRAELI, Nir SALEM, Shlomi	(54) SYSTEM AND METHOD FOR RESTORATION OF A TRUSTED SYSTEM FIRMWARE STATE
(73) Advanced New Technologies Co., Ltd.	(31) 201562241817 P	(73) Oracle International Corporation
(72) XIA, Jupeng	(32) 15.10.2015	(72) VALENTINO, Ralph P.
HU, Yan	(33) United States of America	HARTWELL, David W.
LI, Junkui	(51) G06F 21/56	HECK, James A.
LI, Xiaoling	(11) EP3674947	(31) 201715466514
(31) 201410072629	(21) EP19181469.8	(32) 22.03.2017
201514622672	(47) 22.06.2022	(33) United States of America
(32) 28.02.2014	(22) 20.06.2019	(51) G06F 21/60
13.02.2015	(54) SYSTEM AND METHOD FOR DETECTION OF A MALICIOUS FILE	G06F 21/62
(33) China	(73) AO Kaspersky Lab	H04L 9/40
United States of America	(72) SHEVELEV, Alexander S.	(11) EP3557469
(51) G06F 21/36	CHISTYAKOV, Alexander S.	(21) EP18168365.7
H04L 9/32	ROMANENKO, Alexey M.	(47) 22.06.2022
G09C 5/00	(31) 2018147233	(22) 20.04.2018
G06K 9/00	201916414907	(54) SYSTEM, METHOD AND COMPUTER PROGRAM FOR SECURE DATA EXCHANGE
G06F 21/87	(32) 28.12.2018	(73) Rohde & Schwarz GmbH & Co. KG
(11) EP3740889	17.05.2019	(72) Quint, Alexander Bruno, Dr.
(21) EP19705983.5	(33) Russian Federation	(51) G06F 21/62
(47) 22.06.2022	United States of America	A61B 3/11
(87) FR2019050090	(51) G06F 21/56	A61B 5/107
25.07.2019	G06F 21/44	(11) EP3208737
(22) 16.01.2019	G06F 13/00	(21) EP16305192.3
(54) DEVICE AND METHOD FOR COMPARING GEOMETRIC FILES	H04L 67/02	(47) 22.06.2022
(73) Xyalis	H04L 67/50	(22) 19.02.2016
(72) MOREY-CHAISEMARTIN, Philippe	(11) EP3726410	(54) METHOD FOR PROVIDING A SET OF DATA RELATIVE TO A WEARER OF AN OPHTHALMIC EQUIPMENT AND METHOD FOR DETERMINING THE OPHTHALMIC EQUIPMENT BASED ON THE SET OF DATA
BENZAKOUR, Farid	(21) EP18900705.7	(73) Essilor International
BEISSER, Eric	(47) 22.06.2022	(72) CLARA, Philippe
BRAULT, Frederic	(87) JP2018034624	(51) G06F 21/62
(31) 1850383	25.07.2019	G06F 16/901
(32) 17.01.2018	(22) 19.09.2018	G06F 16/21
(33) France	(54) INTERPRETATION DEVICE, INTERPRETATION METHOD AND INTERPRETATION PROGRAM	G06F 16/22
(51) G06F 21/51	(73) NIPPON TELEGRAPH AND TELEPHONE CORPORATION	(11) EP3696705
H04L 29/06	(72) CHIBA, Daiki	(21) EP18866339.7
H04L 29/08	KOIDE, Takashi	(47) 22.06.2022
(11) EP2659650	(31) 2018005695	(87) JP2018037596
(21) EP11811272.1	(32) 17.01.2018	18.04.2019
(47) 22.06.2022	(33) Japan	(22) 09.10.2018
(87) US2011067369	(51) G06F 21/56	(54) k-ANONYMIZATION DEVICE, METHOD, AND PROGRAM
05.07.2012	H04L 9/40	(73) Nippon Telegraph And Telephone Corporation
(22) 27.12.2011	G06F 21/55	(72) MASAKI, Shogo
(54) SYSTEMS AND METHODS FOR MULTI-LEVEL TAGGING OF ENCRYPTED ITEMS FOR ADDITIONAL SECURITY AND EFFICIENT ENCRYPTED ITEM DETERMINATION	G06F 21/57	OKADA, Rina
(73) Citrix Systems Inc.	(11) EP3693881	HASEGAWA, Satoshi
(72) ANDERSON, Craig	(21) EP20153608.3	(31) 2017197365
REDDY, Anoop	(47) 22.06.2022	(32) 11.10.2017
(31) 201061428138 P	(22) 03.08.2015	(33) Japan
(32) 29.12.2010	(54) CYBER SECURITY	(51) G06K 7/00
(33) United States of America	(73) Darktrace Limited	G06K 17/00
(51) G06F 21/52	(72) STOCKDALE, Jack Benjamin	G06K 7/10
G06F 21/55	MARKHAM, Alex Ian	(11) EP3948643
G06F 21/56	(31) 201413789	(21) EP20717560.5
(11) EP3885951	(32) 04.08.2014	(47) 22.06.2022
(21) EP21162973.8	(33) United Kingdom	(87) EP2020058424
(47) 22.06.2022	(51) G06F 21/57	08.10.2020
(22) 13.10.2016	(11) EP3602374	(22) 25.03.2020
(54) METHOD OF REMEDIATING OPERATIONS PERFORMED BY A PROGRAM AND SYSTEM THEREOF	(21) EP17817979.2	(54) METHOD, SYSTEM AND DEVICE FOR MONITORING AND LABELLING
(73) Sentinel Labs Israel Ltd.	(47) 22.06.2022	
(72) WEINGARTEN, Tomer	(87) US2017063915	
KARELSBAD, Asaf	27.09.2018	
	(22) 30.11.2017	

<p>BIOLOGICAL AND PHARMACEUTICAL PRODUCTS (73) AT-Biotech Traceability Information Systems, SL (72) AGEA MERINO, Aida MENA, Antoni (31) 19382240 (32) 02.04.2019 (33) European Patent Office (EPO) (51) G06K 7/10 (11) EP3537333 (21) EP16920581.2 (47) 22.06.2022 (87) CN2016104627 11.05.2018 (22) 04.11.2016 (54) SYSTEM FOR RESOLVING EXPOSURE OF AIMING BEAMS OF SCANNING HEAD (73) Shenzhen Idata Technology Company Ltd. (72) WANG, DongSheng (51) G06K 9/00 G06K 9/03 (11) EP1825374 (21) EP05849368.5 (47) 22.06.2022 (87) US2005041799 26.05.2006 (22) 18.11.2005 (54) BIOMETRIC PRINT QUALITY ASSURANCE (73) Bionopoly LLC (72) LOUIS, Jon FISKE, Michael (31) 281120 140810 131652 106930 100803 646463 P 637536 P 631199 P 629868 P (32) 17.11.2005 31.05.2005 17.05.2005 14.04.2005 06.04.2005 24.01.2005 20.12.2004 26.11.2004 18.11.2004 (33) United States of America (51) G06K 15/02 (11) EP3355245 (21) EP18153462.9 (47) 22.06.2022 (22) 25.01.2018</p>	<p>(54) IMAGE PROCESSING METHOD, PRINTING METHOD, IMAGE PROCESSOR, AND PRINTING APPARATUS (73) Seiko Epson Corporation (72) YOSHIKAWA, Eishin (31) 2017212509 2017010968 (32) 02.11.2017 25.01.2017 (33) Japan Japan (51) G06K 19/067 (11) EP3752961 (21) EP19701952.4 (47) 22.06.2022 (87) AT2019050004 22.08.2019 (22) 15.01.2019 (54) METHOD FOR WIRELESS READING OF IDENTIFICATION ELEMENTS (73) Sensideon GmbH (72) FACHBERGER, René (31) 501492018 (32) 16.02.2018 (33) Austria (51) G06K 19/067 (11) EP3766011 (21) EP19710688.3 (47) 22.06.2022 (87) EP2019056428 19.09.2019 (22) 14.03.2019 (54) COMPOSITE SUBSTRATES FOR SAW TAGS FOR RFID AND SENSORS APPLICATIONS (73) Frec'n'sys (72) BALLANDRAS, Sylvain LAROCHE, Thierry (31) 1852279 (32) 16.03.2018 (33) France (51) G06N 3/04 G06N 3/08 (11) EP3398119 (21) EP17711811.4 (47) 22.06.2022 (87) US2017016594 10.08.2017 (22) 03.02.2017 (54) GENERATIVE NEURAL NETWORKS FOR GENERATING IMAGES USING A HIDDEN CANVAS (73) Deepmind Technologies Limited (72) REZENDE, Danilo Jimenez MOHAMED, Shakir DANIHELKA, Ivo (31) 201662292186 P (32) 05.02.2016 (33) United States of America (51) G06N 3/08 G06N 3/00 (11) EP3552156 (21) EP18707703.7 (47) 22.06.2022 (87) EP2018054624 30.08.2018 (22) 26.02.2018</p>	<p>(54) NEURAL EPISODIC CONTROL (73) Deepmind Technologies Limited (72) BLUNDELL, Charles URIA-MARTÍNEZ, Benigno PRITZEL, Alexander BADIA, Adria Puigdomenech (31) 201762463558 P (32) 24.02.2017 (33) United States of America (51) G06N 10/00 G06N 20/00 (11) EP3092716 (21) EP14876050.7 (47) 22.06.2022 (87) US2014072962 09.07.2015 (22) 31.12.2014 (54) CONSTRUCTING AND PROGRAMMING QUANTUM HARDWARE FOR QUANTUM ANNEALING PROCESSES (73) Google LLC (72) MOHSENI, Masoud NEVEN, Hartmut (31) 201461985348 P 201461924207 P (32) 28.04.2014 06.01.2014 (33) United States of America United States of America (51) G06N 10/00 H01L 25/16 H01L 27/18 H01L 39/02 B82Y 10/00 (11) EP3596669 (21) EP17822920.9 (47) 22.06.2022 (87) US2017065668 20.09.2018 (22) 12.12.2017 (54) INTEGRATING CIRCUIT ELEMENTS IN A STACKED QUANTUM COMPUTING DEVICE (73) Google LLC (72) MUTUS, Joshua Yousof KELLY, Julian Shaw (31) 201762470670 P (32) 13.03.2017 (33) United States of America (51) G06Q 20/12 G06Q 20/34 G06Q 20/40 G06K 19/07 G06K 19/077 G07F 7/08 G07F 7/10 (11) EP2370940 (21) EP09760532.3 (47) 22.06.2022 (87) EP2009066034 03.06.2010 (22) 30.11.2009 (54) Tragbarer Gegenstand mit Display und Anwendung zum Durchführen von elektronischen Transaktionen (73) Thales Dis France SAS (72) BOUCHER, Daniel</p>
--	--	---

(31) 08170309	(51) G06T 7/00	(22) 04.05.2011
(32) 28.11.2008	G06T 7/11	(54) SYSTEMS AND METHODS FOR
(33) European Patent Office (EPO)	G06T 7/174	AUTOMATIC DETECTION AND
(51) G06T 5/00	H01L 21/66	TESTING OF IMAGES FOR CLINICAL
(11) EP3825956	(11) EP3516683	RELEVANCE
(21) EP19306502.6	(21) EP17853708.0	(73) Stryker European Operations Holdings
(47) 22.06.2022	(47) 22.06.2022	LLC
(22) 21.11.2019	(87) US2017051901	(72) KOHNEN, Michael
(54) PROCESSING A 3D SIGNAL OF A	29.03.2018	PFRENGLE, Udo
SHAPE ATTRIBUTE OVER A REAL	(22) 15.09.2017	EPTING, Thomas
OBJECT	(54) METHOD FOR DEFOCUS DETECTION	BLAU, Arno
(73) Dassault Systèmes	(73) Kla-Tencor Corporation	(51) G06T 7/73
(72) Randon, Guillaume	(72) JIANG, Xuguang	G06T 7/60
MEHR, Eloi	ZHANG, Yong	G01B 11/02
(51) G06T 5/00	LI, Shifang	G01B 11/00
G06T 5/40	(31) 201715669030	G01B 11/24
(11) EP3254259	201662399251 P	G01C 3/06
(21) EP16701640.1	(32) 04.08.2017	(11) EP3553465
(47) 22.06.2022	23.09.2016	(21) EP17879251.1
(87) EP2016051596	(33) United States of America	(47) 22.06.2022
11.08.2016	United States of America	(87) JP2017043334
(22) 26.01.2016	(51) G06T 7/00	14.06.2018
(54) METHOD AND APPARATUS FOR	G06T 7/20	(22) 01.12.2017
PROCESSING HIGH DYNAMIC RANGE	G06K 9/64	(54) INFORMATION PROCESSING DEVICE
IMAGES	(11) EP2491532	AND INFORMATION PROCESSING
(73) InterDigital Madison Patent Holdings,	(21) EP10785101.6	METHOD
SAS	(47) 22.06.2022	(73) Sony Interactive Entertainment Inc.
(72) LASSERRE, Sébastien	(87) FR2010052154	(72) UCHIDA, Masaki
BORDES, Philippe	28.04.2011	(31) 2016238748
LELEANNEC, Fabrice	(22) 12.10.2010	(32) 08.12.2016
(31) 15305183	(54) METHOD, COMPUTER PROGRAM	(33) Japan
(32) 06.02.2015	AND DEVICE FOR REAL-TIME	(51) G06T 11/40
(33) European Patent Office (EPO)	HYBRID TRACKING OF OBJECT	G06T 15/00
(51) G06T 5/00	REPRESENTATIONS IN AN IMAGE	(11) EP3843045
G06T 7/00	SEQUENCE	(21) EP20386027.5
(11) EP3664016	(73) QUALCOMM Incorporated	(47) 22.06.2022
(21) EP17922433.2	(72) PASQUIER, Thomas	(22) 28.05.2020
(47) 22.06.2022	CHAMOIX, Jérémy	(54) TASK MERGING
(87) CN2017098787	LIVET, Nicolas	(73) Imagination Technologies Limited
28.02.2019	(31) 0957353	(72) Buch, Roger Hernando
(22) 24.08.2017	(32) 20.10.2009	Velentzas, Panagiotis
(54) IMAGE DETECTION METHOD AND	(33) France	Yang, Xile
APPARATUS, AND TERMINAL	(51) G06T 7/11	Broadhurst, Richard
(73) Huawei Technologies Co., Ltd.	G06T 7/174	Howson, John
(72) LU, Henghui	G06T 7/194	(51) G06T 19/20
DING, Xin	H04W 12/02	(11) EP2939217
DONG, Chen	(11) EP3319041	(21) EP13830105.6
(51) G06T 5/00	(21) EP17197319.1	(47) 22.06.2022
G06T 7/30	(47) 22.06.2022	(87) IB2013061021
G06T 9/00	(22) 19.10.2017	03.07.2014
G06T 1/20	(54) IMAGE PROCESSING APPARATUS,	(22) 17.12.2013
G06N 3/02	IMAGE PROCESSING METHOD, AND	(54) COMPUTER-AIDED IDENTIFICATION
(11) EP3555844	STORAGE MEDIUM	OF A TISSUE OF INTEREST
(21) EP18809961.8	(73) Canon Kabushiki Kaisha	(73) Koninklijke Philips N.V.
(47) 22.06.2022	(72) MAYUZUMI, Ichiko	(72) WIEMKER, Rafael
(87) KR2018004978	(31) 2017149980	KLINDER, Tobias
06.12.2018	2016215301	KABUS, Sven
(22) 30.04.2018	(32) 02.08.2017	(31) 201261746182 P
(54) METHOD AND DEVICE FOR	02.11.2016	(32) 27.12.2012
PROCESSING MULTI-CHANNEL	(33) Japan	(33) United States of America
FEATURE MAP IMAGES	Japan	(51) G06V 10/00
(73) Samsung Electronics Co., Ltd.	(51) G06T 7/20	G06V 10/10
(72) CHO, Dae-sung	G06T 7/00	(11) EP3855347
LEE, Won-jae	(11) EP2705497	(21) EP20152781.9
(31) 20170067630	(21) EP11718714.6	(47) 22.06.2022
(32) 31.05.2017	(47) 22.06.2022	(22) 21.01.2020
(33) Korea (Republic)	(87) EP2011057105	(54) DISTINGUISHING HUMAN BEINGS IN
	08.11.2012	A CROWD IN AN IMAGE

(73) Axis AB	(72) HU, Rongying	(31) 2018236920
(72) Winzell, Thomas	(51) G06V 40/16	(32) 19.12.2018
(51) G06V 10/10	(11) EP3023911	(33) Japan
H04N 1/387	(21) EP15195818.8	(51) G07C 9/00
(11) EP3506167	(47) 22.06.2022	G07C 9/23
(21) EP16915530.6	(22) 23.11.2015	G07C 9/28
(47) 22.06.2022	(54) METHOD AND APPARATUS FOR	G07C 9/29
(87) CN2016098762	RECOGNIZING OBJECT, AND	H04W 12/08
15.03.2018	METHOD AND APPARATUS FOR	(11) EP3729385
(22) 12.09.2016	TRAINING RECOGNIZER	(21) EP18814975.1
(54) PROCESSING METHOD AND MOBILE	(73) Samsung Electronics Co., Ltd.	(47) 22.06.2022
DEVICE	(72) Byungin, Yoo	(87) EP2018084797
(73) Huawei Technologies Co., Ltd.	Jaejoon, Han	27.06.2019
(72) LI, Xiaojuan	Changkyo, Lee	(22) 13.12.2018
QIN, Chao	Chang Kyu, Choi	(54) ACCESS CONTROL SYSTEM WITH
GAO, Wenmei	Namjoon, Kim	WIRELESS AUTHENTICATION AND
(51) G06V 20/10	(31) 20150086658	PASSWORD ENTRY
G06V 20/64	20140164232	(73) Inventio AG
G06T 7/70	(32) 18.06.2015	(72) TROESCH, Florian
G06T 7/73	(32) 24.11.2014	(31) 17209079
G06T 7/00	(33) Korea (Republic)	(32) 20.12.2017
G06T 7/246	Korea (Republic)	(33) European Patent Office (EPO)
(11) EP3659113	(51) G07C 3/08	(51) G07C 9/00
(21) EP18769100.1	G07C 5/08	H04W 4/14
(47) 22.06.2022	G06Q 10/08	H04W 4/80
(87) EP2018073687	G06Q 10/00	G08C 23/04
04.04.2019	G07C 5/00	H04W 12/60
(22) 04.09.2018	(11) EP3403245	H04W 84/12
(54) DETECTION SYSTEM, WORKING	(21) EP16819057.7	H04W 4/02
METHOD AND TRAINING METHOD	(47) 22.06.2022	(11) EP3360114
FOR GENERATING A 3D MODEL WITH	(87) EP2016081640	(21) EP16791143.7
REFERENCE DATA	20.07.2017	(47) 22.06.2022
(73) Siemens Mobility GmbH	(22) 19.12.2016	(87) US2016056203
(72) GU, Yecheng	(54) RAIL VEHICLE COMPONENT GROUP	13.04.2017
KLUCKNER, Stefan	AND METHOD FOR GENERATING	(22) 09.10.2016
TETZLAFF, Lukas	A LIFE HISTORY OF A MACHINE	(54) VISIBLE LIGHT COMMUNICATION
HOPPE, Christof	COMPONENT AND SERVICE METHOD	OF AN ACCESS CREDENTIAL IN AN
REINBOTHE, Christoph Konrad	FOR MAINTENANCE	ACCESS CONTROL SYSTEM
(31) 102017217063	(73) Siemens Mobility GmbH	(73) VIDEX, INC.
(32) 26.09.2017	(72) KÖRNER, Olaf	(72) DAVIS, Paul, R.
(33) Germany	KÖHLER, Bernd	(31) 201615289116
(51) G06V 40/13	(31) 16151303	201562239884 P
G06F 3/042	(32) 14.01.2016	(32) 07.10.2016
G06V 10/147	(33) European Patent Office (EPO)	10.10.2015
(11) EP3623921	(51) G07C 5/00	(33) United States of America
(21) EP18913995.9	G08G 1/00	United States of America
(47) 22.06.2022	H04N 7/18	(51) G07D 7/12
(87) CN2018098329	B60R 25/31	(11) EP3221853
06.02.2020	G07C 5/08	(21) EP15800747.6
(22) 02.08.2018	B60R 25/30	(47) 22.06.2022
(54) UNDER-SCREEN BIOMETRIC	G06K 9/00	(87) EP2015076950
RECOGNITION APPARATUS AND	G08B 13/196	26.05.2016
ELECTRONIC DEVICE	(11) EP3754618	(22) 18.11.2015
(73) Shenzhen Goodix Technology Co., Ltd.	(21) EP19898647.3	(54) METHOD AND DEVICE FOR
(72) GUO, Yiping	(47) 22.06.2022	CAPTURING OF EMITTED LIGHT AND
(51) G06V 40/13	(87) JP2019023353	METHOD FOR THE MANUFACTURING
G06F 21/32	25.06.2020	(73) Bundesdruckerei GmbH
G06F 3/044	(22) 12.06.2019	(72) TIETKE, Markus
(11) EP3764277	(54) RECORDING CONTROL DEVICE,	KULIKOVSKA, Olga
(21) EP19868153.8	RECORDING CONTROL SYSTEM,	PAESCHKE, Manfred
(47) 22.06.2022	RECORDING CONTROL METHOD,	KULIKOVSKY, Lazar
(87) CN2019087103	AND RECORDING CONTROL	(31) 102014223745
19.11.2020	PROGRAM	(32) 20.11.2014
(22) 15.05.2019	(73) JVCKenwood Corporation	(33) Germany
(54) FINGERPRINT RECOGNITION	(72) TAKATA, Ryohei	(51) G07D 7/1205
METHOD, APPARATUS, AND	MANTANI, Kotaro	(11) EP3446294
ELECTRONIC DEVICE	OYAMA, Yuki	(21) EP17718885.1
(73) Shenzhen Goodix Technology Co., Ltd.	TSUBOUCHI, Ayane	(47) 22.06.2022

(87) EP2017059205 26.10.2017	Bertacchini, Ugo Tartaro, Andrea	Schanne, Thomas
(22) 18.04.2017	(31) 201900007059	(51) G09B 19/00
(54) DEVICE AND METHOD FOR MONITORING COLOR SECURITY FEATURES	(32) 21.05.2019 (33) Italy	A63B 22/02 A63B 24/00
(73) QUISS Qualitäts-Inspektionssysteme und Service GmbH	(51) G08G 1/0967	(11) EP3244383
(72) GRUBER, Bernhard	B60R 11/00	(21) EP17170820.9
(31) 102016004662	G08G 1/16	(47) 22.06.2022
(32) 18.04.2016	G01S 13/93	(22) 12.05.2017
(33) Germany	B60W 30/14	(54) DEVICE AND METHOD FOR TRAINING A BALL GAME
(51) G07D 11/125	B60W 30/00	(73) Umbrella Software Development GmbH
G07D 11/30	B60R 11/06	(72) REINHOLD, Clemens
(11) EP2463831	G01S 13/931	BUNSEN, Raimo
(21) EP11192339.7	(11) EP3018008	HELD, Daniel
(47) 22.06.2022	(21) EP15003158.1	SKAWRONEK, Oliver
(22) 07.12.2011	(47) 22.06.2022	(31) 102016108982
(54) Method for commissioning a cash box	(22) 04.11.2015	102016108981
(73) Wincor Nixdorf International GmbH	(54) MOTOR VEHICLE	(32) 13.05.2016
(72) Dietz, Oliver	(73) AUDI AG	13.05.2016
Houben, Ralf	(72) Bouzouraa, Mohamed Essayed	(33) Germany
(31) 102010061070	(31) 102014016581	Germany
(32) 07.12.2010	(32) 08.11.2014	(51) G09C 1/00
(33) Germany	(33) Germany	H04L 9/32
(51) G07F 19/00	(51) G08G 1/123	(11) EP3594926
G07D 11/00	(11) EP2772894	(21) EP18305929.4
(11) EP3376482	(21) EP14152592.3	(47) 22.06.2022
(21) EP17161517.2	(47) 22.06.2022	(22) 11.07.2018
(47) 22.06.2022	(22) 27.01.2014	(54) CONNECTED SYNTHETIC PHYSICALLY UNCLONABLE FUNCTION
(22) 17.03.2017	(54) Method and Apparatus for Automated Service Schedule Derivation and Updating	(73) Secure-IC SAS
(54) DOCUMENT OF VALUE PROCESSING DEVICE AND METHOD FOR OPERATING A DOCUMENT OF VALUE PROCESSING DEVICE	(73) HERE Global B.V.	(72) GUILLEY, Sylvain
(73) Wincor Nixdorf International GmbH	(72) Modica, Leo	FACON, Adrien
(72) VON DER LIPPE, Carsten	Stenneth, Leon	(51) G09F 9/30
REDECKER, Bernd	(31) 201313780901	(11) EP3690868
(51) G08B 21/00	(32) 28.02.2013	(21) EP20154083.8
F16K 17/38	(33) United States of America	(47) 22.06.2022
F16K 37/00	(51) G08G 1/16	(22) 28.01.2020
G01F 15/00	B60W 50/00	(54) DISPLAY DEVICE
G01F 1/66	B60W 40/10	(73) LG Electronics Inc.
(11) EP3872457	B60W 30/08	(72) PYO, Jonggil
(21) EP21154544.7	B60W 10/00	(31) 20190011015
(47) 22.06.2022	B60W 40/04	(32) 29.01.2019
(22) 01.02.2021	B60W 60/00	(33) Korea (Republic)
(54) FLAMMABLE FLUID METER ARRANGED FOR DETECTING TEMPERATURE ANOMALIES	(11) EP3591638	(51) G09G 3/20
(73) Sagemcom Energy & Telecom SAS	(21) EP17899128.7	H04N 5/58
(72) TEBoulLE, Henri	(47) 22.06.2022	(11) EP3316238
(31) 2001827	(87) JP2017008310	(21) EP17197793.7
(32) 25.02.2020	07.09.2018	(47) 22.06.2022
(33) France	(22) 02.03.2017	(22) 23.10.2017
(51) G08B 29/04	(54) DRIVE ASSISTANCE METHOD AND DRIVE ASSISTANCE DEVICE	(54) METHOD AND MODULE FOR PROCESSING HIGH DYNAMIC RANGE (HDR) IMAGE AND DISPLAY DEVICE USING THE SAME
(11) EP3748598	(73) Nissan Motor Co., Ltd.	(73) LG Display Co., Ltd.
(21) EP20175080.9	(72) NANRI Takuya	(72) KANG, Yoo-Jin
(47) 22.06.2022	FANG Fang	KIM, Sung-Jin
(22) 15.05.2020	(51) G08G 5/04	(31) 20160143894
(54) METHOD AND SYSTEM FOR DETECTING TAMPERING OF A TARGET DETECTION SYSTEM	G08G 5/00	(32) 31.10.2016
(73) Inxpect S.p.A.	G08G 7/02	(33) Korea (Republic)
(72) Garatti, Marco	G08G 3/02	(51) G09G 5/02
Radaelli, Matteo	(11) EP2942767	H04N 1/64
Nava, Lorenzo	(21) EP14001651.0	H04N 19/85
Degani, Alessio	(47) 22.06.2022	H04N 19/59
	(22) 10.05.2014	(11) EP3257042
	(54) Apparatus and method for warning aircraft	(21) EP16749537.3
	(73) HENSOLDT Sensors GmbH	(47) 22.06.2022
	(72) Schafnitzel, Tobias	

(87) SE2016050058 18.08.2016	G10L 15/16 G10L 15/18	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(22) 28.01.2016	(11) EP3457397	(72) SCHUBERT, Benjamin
(54) PIXEL PRE-PROCESSING AND ENCODING	(21) EP18189533.5 (47) 22.06.2022	LECOMTE, Jérémie DIETZ, Martin
(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 17.08.2018	SCHNABEL, Michael
(72) SAMUELSSON, Jonatan STRÖM, Jacob	(54) OOS SENTENCE GENERATING METHOD AND APPARATUS	(31) 15164126 14182553
(31) 201562115679 P	(73) Samsung Electronics Co., Ltd.	(32) 17.04.2015
(32) 13.02.2015	(72) YOO, Sang Hyun	27.08.2014
(33) United States of America	KIM, Young-Seok	(33) European Patent Office (EPO) European Patent Office (EPO)
(51) G10D 3/10 D07B 1/14	CHOI, Junhwi JEON, Jehun	(51) G10L 19/008 G10L 19/02
(11) EP3113170	(31) 20170119791	(11) EP3940697
(21) EP16169373.4	(32) 18.09.2017	(21) EP21195475.5
(47) 22.06.2022	(33) Korea (Republic)	(47) 22.06.2022
(22) 12.05.2016	(51) G10L 15/22	(22) 15.08.2005
(54) MUSICAL STRING	H04R 3/00	(54) TEMPORAL ENVELOPE SHAPING FOR SPATIAL AUDIO CODING USING FREQUENCY DOMAIN WIENER FILTERING
(73) Thomastik-Infeld Gesellschaft m.b.H.	A61B 34/20	(73) Dolby Laboratories Licensing Corporation
(72) Klanner, Franz Rieger, Bernhard	A61B 90/00 G10L 21/0216 G10L 21/0208	(72) SEEFELDT, Alan J. VINTON, Mark S.
(31) 4252015	A61B 17/00	(31) 604836 P
(32) 02.07.2015	G16H 20/40	(32) 25.08.2004
(33) Austria	(11) EP3893239	(33) United States of America
(51) G10H 1/12 G10H 1/46 G10L 21/02 G10L 21/0364 H03G 3/32 H04S 7/00	(21) EP20168374.5 (47) 22.06.2022 (22) 07.04.2020	(51) G10L 19/008 G10L 19/038 G10L 19/08 H04S 3/00 H04S 7/00 H04R 5/00
(11) EP3748626	(54) SURGICAL SYSTEM CONTROL BASED ON VOICE COMMANDS	(11) EP3100265
(21) EP20177659.8	(73) Stryker European Operations Limited	(21) EP15703712.8
(47) 22.06.2022	(72) GHANAM, Fadi HERRMANN, Florian	(47) 22.06.2022
(22) 01.06.2020	(51) G10L 15/30	(87) US2015013818 06.08.2015
(54) MIXING APPARATUS AND MIXING METHOD	G10L 15/22 G10L 15/18 G10L 15/20	(22) 30.01.2015
(73) Clarion Co., Ltd.	(11) EP3738120	(54) INDICATING FRAME PARAMETER REUSABILITY FOR CODING VECTORS
(72) FUKUE, Kazutomo	(21) EP19703624.7 (47) 22.06.2022	(73) QUALCOMM INCORPORATED
(31) 2019104249	(87) US2019014661 29.08.2019	(72) PETERS, Nils Günther SEN, Dipanjan
(32) 04.06.2019	(22) 23.01.2019	(31) 201514609190 201562102243 P 201462056286 P 201462056248 P 201462032440 P 201462029173 P 201462028282 P 201462027702 P 201462019663 P 201462004128 P 201462004067 P 201462004147 P 201461994794 P 201461949583 P 201461949591 P 201461933731 P 201461933714 P 201461933706 P
(33) Japan	(54) PORTABLE RADIO AND METHOD FOR MANAGING SPEECH RECOGNITION	
(51) G10K 15/02 A63F 13/54	(73) Motorola Solutions, Inc.	
(11) EP3821427	(72) SIMMS, Matthew E. KING, Melanie, STOGNER, Darrell J., PINDER, Ellis A.	
(21) EP19759744.6	(31) 201815901295	
(47) 22.06.2022	(32) 21.02.2018	
(87) IB2019055910 16.01.2020	(33) United States of America	
(22) 11.07.2019	(51) G10L 19/005 G10L 19/02 G10L 19/20 G10L 19/083 G10L 19/24	
(54) METHOD FOR GENERATING AN AUDIO SIGNAL, IN PARTICULAR FOR ACTIVE CONTROL OF THE SOUND OF THE ENGINE OF A LAND VEHICLE, AND CORRESPONDING APPARATUS	(11) EP3618066	
(73) Marelli Europe S.p.A.	(21) EP19202304.2	
(72) NESCI, Walter ARMENI, Saverio DE CESARIS, Simona	(47) 22.06.2022	
(31) 201800007193	(22) 24.08.2015	
(32) 13.07.2018	(54) ENCODER, DECODER AND METHOD FOR ENCODING AND DECODING AUDIO CONTENT USING PARAMETERS FOR ENHANCING A CONCEALMENT	
(33) Italy		
(51) G10L 15/06 G10L 15/22 G06F 16/33 G06F 40/30 G06F 40/56 G06N 3/04 G06N 3/08		

25.07.2014	201318838	(54) Routing and programming for resistive switch arrays
23.07.2014	(32) 12.12.2013	(73) Altera Corporation
22.07.2014	24.10.2013	(72) Lewis, David
01.07.2014	(33) United Kingdom	(31) 201213466847
28.05.2014	United Kingdom	(32) 08.05.2012
28.05.2014	(51) G11B 27/28	(33) United States of America
28.05.2014	G11B 27/034	(51) G16H 10/60
16.05.2014	G06K 9/62	G16H 50/50
07.03.2014	G06T 7/00	(11) EP3332339
07.03.2014	G11B 27/10	(21) EP16744717.6
30.01.2014	G11B 27/32	(47) 22.06.2022
30.01.2014	H04N 5/60	(87) EP2016067725
30.01.2014	(11) EP2643791	09.02.2017
(33) United States of America	(21) EP11788440.3	(22) 26.07.2016
United States of America	(47) 22.06.2022	(54) ASSISTANCE DEVICE AND METHOD FOR AN INTERVENTIONAL HEMODYNAMIC MEASUREMENT
United States of America	(87) EP2011070991	(73) Koninklijke Philips N.V.
United States of America	31.05.2012	(72) RONGEN, Peter MariaJohannes
United States of America	(22) 24.11.2011	HAASE, Christian
United States of America	(54) METHOD AND ASSEMBLY FOR IMPROVED AUDIO SIGNAL PRESENTATION OF SOUNDS DURING A VIDEO RECORDING	BULLENS, Roland Wilhelmus Maria
United States of America	(73) Institut für Rundfunktechnik GmbH	GRASS, Michael
United States of America	(72) HARTMANN, Christian	VAN DER HORST, Arjen
United States of America	MEIER, Michael	(31) 15179819
United States of America	GERSTLBERGER, Iris	(32) 05.08.2015
United States of America	(31) 102010052527	(33) European Patent Office (EPO)
United States of America	(32) 25.11.2010	(51) G16H 20/40
United States of America	(33) Germany	G16H 50/20
United States of America	(51) G11C 7/10	G16H 50/70
United States of America	G11C 11/417	G16H 10/60
(51) G10L 25/51	(11) EP3660849	G06F 40/20
G01R 19/25	(21) EP19209000.9	(11) EP3028190
G06F 3/16	(47) 22.06.2022	(21) EP14832137.5
G06Q 50/00	(22) 13.11.2019	(47) 22.06.2022
(11) EP3803864	(54) MEMORY CIRCUIT SUITABLE FOR PERFORMING COMPUTING OPERATIONS	(87) US2014049301
(21) EP19731539.3	(73) Commissariat à l'Energie Atomique et aux Energies Alternatives	05.02.2015
(47) 22.06.2022	(72) KOOLI, Maha	(22) 31.07.2014
(87) US2019034919	NOEL, Jean-Philippe	(54) IDENTIFICATION OF SURGERY CANDIDATES USING NATURAL LANGUAGE PROCESSING
19.12.2019	CHARLES, Henri-Pierre	(73) Children's Hospital Medical Center
(22) 31.05.2019	(31) 1871578	(72) GREINER, Hansel, M.
(54) LISTENING DEVICE FOR OBTAINING METRICS FROM AMBIENT NOISE, CORRESPONDING METHOD AND COMPUTER-READABLE MEDIUM	(32) 16.11.2018	STANDRIDGE, Shannon, Michelle
(73) Capital One Services, LLC	(33) France	COHEN, Kevin, Bretonnel
(72) BENKREIRA, Abdelkadar M Hamed	(51) G11C 11/22	PESTIAN, John, P.
MOSSOBA, Michael	G11C 7/06	GLAUSER, Tracy, A.
EDWARDS, Joshua	(11) EP3427266	HOLLAND, Katherine, D.
NOVIS, Austen	(21) EP17764219.6	(31) 201361861173 P
BERMUDEZ, Sophie	(47) 22.06.2022	(32) 01.08.2013
(31) 201816005277	(87) US2017021884	(33) United States of America
(32) 11.06.2018	14.09.2017	(51) G16H 30/20
(33) United States of America	(22) 10.03.2017	G06T 7/00
(51) G11B 27/031	(54) OFFSET COMPENSATION FOR FERROELECTRIC MEMORY CELL SENSING	G06K 9/62
H04N 5/262	(73) Micron Technology, Inc.	G06V 10/44
G06T 13/80	(72) VIMERCATI, Daniele	G06V 10/98
G06T 7/20	(31) 201615067838	(11) EP3423967
(11) EP3061092	(32) 11.03.2016	(21) EP17707788.0
(21) EP14799681.3	(33) United States of America	(47) 22.06.2022
(47) 22.06.2022	(51) G11C 13/00	(87) EP2017053953
(87) EP2014072920	H03K 19/177	08.09.2017
30.04.2015	(11) EP2662861	(22) 21.02.2017
(22) 24.10.2014	(21) EP13166757.8	(54) DEVICE, SYSTEM AND METHOD FOR VERIFYING IMAGE-RELATED INFORMATION OF A MEDICAL IMAGE
(54) MOTION TRACKING SYSTEM	(47) 22.06.2022	(73) Koninklijke Philips N.V.
(73) Visible Ink Television Ltd.	(22) 07.05.2013	(72) YOUNG, Stewart
(72) FISHER, Martin		NORDHOFF, Tanja
(31) 201321981		

BUELOW, Thomas	(73) Illinois Tool Works INC.	(47) 22.06.2022
(31) 16157840	(72) VOSE, Mark	(22) 26.09.2018
(32) 29.02.2016	(31) 201815967720	(54) HIGH SPEED DATA TRANSFORMER
(33) European Patent Office (EPO)	(32) 01.05.2018	FOR PATIENT ISOLATION BARRIER
(51) G16H 30/40	(33) United States of America	(73) Karl Storz Imaging, Inc.
G16H 50/70	(51) H01B 1/04	(72) Sanandajifar, Joseph
G06F 16/55	H01B 5/08	(31) 201715718878
(11) EP3557449	C01B 32/168	(32) 28.09.2017
(21) EP17883082.4	H01B 7/00	(33) United States of America
(47) 22.06.2022	(11) EP3703083	(51) H01H 3/32
(87) JP2017041768	(21) EP18871720.1	H01H 3/42
28.06.2018	(47) 22.06.2022	H01H 3/02
(22) 21.11.2017	(87) JP2018039981	H01H 3/26
(54) SIMILAR CASE SEARCH DEVICE, METHOD FOR OPERATION AND PROGRAM FOR OPERATION THEREOF, AND SIMILAR CASE SEARCH SYSTEM	02.05.2019	(11) EP3815120
(73) FUJIFILM Corporation	(22) 26.10.2018	(21) EP18830144.4
(72) KANADA, Shoji	(54) CARBON NANOTUBE COMPOSITE WIRE, CARBON NANOTUBE- COATED ELECTRIC WIRE, AND WIRE HARNESS	(47) 22.06.2022
(31) 2016245304	(73) Furukawa Electric Co., Ltd.	(87) EP2018084011
(32) 19.12.2016	(72) YAMAZAKI, Satoshi	05.03.2020
(33) Japan	AIZAWA, Hideki	(22) 07.12.2018
(51) G16H 40/67	YAMASHITA, Satoshi	(54) DRIVING AN ELECTRICAL SWITCHING CONTACT AND AN ALARM SWITCH
G16H 10/40	HATAMOTO, Kenji	(73) Siemens Energy Global GmbH & Co. KG
(11) EP3270307	(31) 2017207669	(72) GUENTHER, Rene
(21) EP17160558.7	(32) 26.10.2017	LUTHARDT, Andre
(47) 22.06.2022	(33) Japan	GANSER, Patrick
(22) 13.03.2017	(51) H01B 3/44	BIRKHOLZ, Martin
(54) CELL PROCESSING SYSTEM AND METHOD WITH CENTRALIZED DATA MANAGEMENT, MONITORING AND/OR CONTROL	C08F 210/02	(31) 102018214764
(73) Fenwal, Inc.	C08F 2/00	(32) 30.08.2018
(72) BINNINGER, Steven C.	C08L 23/06	(33) Germany
SCHLINKER, Alaina	C08L 23/08	(51) H01H 9/28
WEGENER, Christopher J.	G02B 6/44	H01H 9/16
OLSON, Bret M.	(11) EP3607566	F16P 3/14
(31) 201662361879 P	(21) EP18714536.2	(11) EP3451356
(32) 13.07.2016	(47) 22.06.2022	(21) EP18191165.2
(33) United States of America	(87) EP2018058842	(47) 22.06.2022
(51) G16H 50/00	11.10.2018	(22) 28.08.2018
A61B 5/15	(22) 06.04.2018	(54) LOCKOUT TAGOUT SYSTEM AND METHOD
(11) EP3651162	(54) BOREALIS JACKET COMPOSITION	(73) Rockwell Automation Technologies, Inc.
(21) EP18205003.9	(73) Borealis AG	(72) GRAB, Charles W.
(47) 22.06.2022	(72) SUMERIN, Victor	EKER, Jeffrey T.
(22) 07.11.2018	LIU, Yi	VALENCIA, Joseph E.
(54) METHODS AND DEVICES FOR PERFORMING AN ANALYTICAL MEASUREMENT	THORMAN, Joseph	(31) 201715692958
(73) F. Hoffmann-La Roche AG	HJÄRTFORS, Anna	(32) 31.08.2017
(72) Berg, Max	(31) 17165257	(33) United States of America
Wieder, Herbert	(32) 06.04.2017	(51) H01H 9/36
Sieffert, Daniel	(33) European Patent Office (EPO)	H01H 73/18
Melchinger, Christian	(51) H01F 10/32	H01H 9/44
Guermazi, Zied	G06N 3/063	H01H 9/34
Hailer, Fredrik	(11) EP3640959	(11) EP3598468
Wetzel, Simon	(21) EP19196449.3	(21) EP19186593.0
Limburg, Bernd	(47) 22.06.2022	(47) 22.06.2022
(51) G21G 4/02	(22) 10.09.2019	(22) 16.07.2019
G21C 7/34	(54) RESERVOIR ELEMENT AND NEUROMORPHIC ELEMENT	(54) ARC EXTINGUISHING UNIT OF MOLDED CASE CIRCUIT BREAKER
(11) EP3788641	(73) TDK Corporation	(73) LSIS Co., Ltd.
(21) EP19768928.4	(72) SHIBATA, Tatsuo	(72) LIM, Jeongjae
(47) 22.06.2022	SASAKI, Tomoyuki	OH, Kihwan
(87) US2019023813	(31) PCT/JP2018/033800	(31) 20180100547
28.11.2019	(32) 12.09.2018	20180083684
(22) 25.03.2019	(33) World Intellectual Property Office (WIPO)	(32) 27.08.2018
(54) NEUTRON SEALED SOURCE	(51) H01F 27/28	18.07.2018
	H01F 27/26	(33) Korea (Republic)
	H01F 17/04	Korea (Republic)
	A61B 1/005	(51) H01H 13/10
	(11) EP3462468	H01H 13/04
	(21) EP18000764.3	H01H 3/54
		(11) EP3507818

(21) EP17768706.8	(72) Reuber, Christian	(32) 19.04.2017
(47) 22.06.2022	Gentsch, Dietmar	(33) France
(87) EP2017072146	(51) H01J 37/153	(51) H01L 21/67
08.03.2018	(11) EP3780064	B41J 2/175
(22) 05.09.2017	(21) EP20186011.1	B41J 29/13
(54) HOLDING ADAPTER FOR FIXING	(47) 22.06.2022	B41J 29/02
CONTROL AND SIGNALLING DEVICES	(22) 15.07.2020	(11) EP3474317
AND ALSO ARRANGEMENT	(54) PARTICLE OPTICAL CORRECTOR	(21) EP18201256.7
(73) Eaton Intelligent Power Limited	FREE OF AXIAL ERRORS OF	(47) 22.06.2022
(72) WIESE, Artur	SIXTH ORDER AND ELECTRON	(22) 11.03.2014
SCHAEFER, Joerg	MICROSCOPE WITH CORRECTOR	(54) GAS ENCLOSURE SYSTEMS AND
DOENOGLU, Luetfiye	(73) Ceos Corrected Electron Optical	METHODS UTILIZING AN AUXILIARY
SANAN, Deepak	Systems GmbH	ENCLOSURE
(31) 102016116518	(72) Uhlemann, Dr., Stephan	(73) Kateeva, Inc.
(32) 05.09.2016	(31) 102019122013	(72) VRONSKY, Eliyahu
(33) Germany	(32) 15.08.2019	MAUCK, Justin
(51) H01H 39/00	(33) Germany	ALDERSON, Shandon
G01R 31/327	(51) H01J 37/32	KO, Alexander Sou-Kang
(11) EP3882944	H03H 7/40	(31) 201313802304
(21) EP20163833.5	(11) EP3695434	(32) 13.03.2013
(47) 22.06.2022	(21) EP18795912.7	(33) United States of America
(22) 18.03.2020	(47) 22.06.2022	(51) H01L 21/762
(54) PYRO IGNITER CIRCUIT AND	(87) US2018055492	H01L 27/12
TESTING METHOD	18.04.2019	H01L 29/66
(73) Samsung SDI Co., Ltd.	(22) 11.10.2018	H01L 29/94
(72) Erhart, Michael	(54) METHOD AND APPARATUS FOR	(11) EP3627535
Reinprecht, Wolfgang	CHANGING THE APPARENT SOURCE	(21) EP18914937.0
(51) H01H 50/16	IMPEDANCE OF A GENERATOR	(47) 22.06.2022
H01H 50/04	(73) Advanced Energy Industries, Inc.	(87) CN2018099394
H01H 50/24	(72) VAN ZYL, Gideon Johannes Jacobus	13.02.2020
H01H 51/22	(31) 201762570693 P	(22) 08.08.2018
(11) EP3333872	(32) 11.10.2017	(54) TRENCH CAPACITOR AND METHOD
(21) EP16832508.2	(33) United States of America	FOR MANUFACTURING SAME
(47) 22.06.2022	(51) H01L 21/265	(73) Shenzhen Weitongbo Technology Co.,
(87) JP2016003506	H01L 29/66	Ltd.
09.02.2017	(11) EP1628332	(72) SHEN, Jian
(22) 28.07.2016	(21) EP05291731.7	LU, Bin
(54) ELECTROMAGNETIC RELAY	(47) 22.06.2022	(51) H01L 21/78
(73) Panasonic Intellectual Property	(22) 16.08.2005	H01L 21/683
Management Co., Ltd.	(54) Method of fabricating a thin film device	(11) EP3376526
(72) HOUNOKI, Hironori	(73) Commissariat à l'Énergie Atomique et	(21) EP16864171.0
FUJITA, Izumi	aux Énergies Alternatives	(47) 22.06.2022
KATO, Yoshimasa	(72) Barbe, Jean-Charles	(87) JP2016082983
NAKAHATA, Atsushi	Vinet, Maud	18.05.2017
NISHIYAMA, Machiko	Faynot, Olivier	(22) 07.11.2016
(31) 2015153750	(31) 0408989	(54) METHOD FOR MANUFACTURING
2015153745	(32) 19.08.2004	SEMICONDUCTOR CHIP, AND MASK-
2015153749	(33) France	INTEGRATED SURFACE PROTECTION
(32) 03.08.2015	(51) H01L 21/60	TAPE USED THEREIN
03.08.2015	G06K 19/077	(73) Furukawa Electric Co., Ltd.
03.08.2015	H01L 23/498	(72) OKA, Yoshifumi
(33) Japan	H01L 21/50	UCHIYAMA, Tomoaki
Japan	D02G 3/44	YOKOI, Hiroto
Japan	(11) EP3613074	(31) 2015219738
(51) H01H 71/24	(21) EP18719983.1	2015219736
H02H 7/22	(47) 22.06.2022	(32) 09.11.2015
H01H 39/00	(87) FR2018050955	09.11.2015
H01H 79/00	25.10.2018	(33) Japan
H01H 83/20	(22) 16.04.2018	Japan
H02H 3/05	(54) METHOD FOR JOINING A	(51) H01L 25/075
H02H 3/10	MICROELECTRONIC CHIP TO A WIRE	G09G 3/32
H02H 3/16	ELEMENT	(11) EP3607583
(11) EP3709335	(73) PRIMO1D	(21) EP18722118.9
(21) EP19162182.0	(72) ROLLAND, Delphine	(47) 22.06.2022
(47) 22.06.2022	ANDIA VERA, Gianfranco	(87) FR2018050842
(22) 12.03.2019	MACKANIC, Christopher	11.10.2018
(54) EARTHING MODULE	ARENE, Emmanuel	(22) 04.04.2018
(73) ABB Schweiz AG	(31) 1753404	

(54) LED EMISSIVE IMAGE DISPLAY DEVICE	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	COMPRISING SELF-ALIGNED LIGHT-CONFINING WALLS
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives	STmicroelectronics SA	(73) Aledia
(72) SARRASIN, Denis	(72) Frey, Laurent	(72) DORNEL, Erwan
ROSSINI, Umberto	Jouan, Sebastien	DUPONT, Tiphaine
(31) 1752953	Marty, Michel	JEANNIN, Olivier
(32) 05.04.2017	(31) 1359026	POURQUIER, Eric
(33) France	(32) 19.09.2013	(31) 1855401
(51) H01L 25/075	(33) France	(32) 19.06.2018
H01L 33/62	(51) H01L 27/146	(33) France
H01L 33/48	(11) EP3306666	(51) H01L 27/30
H01L 33/54	(21) EP17192064.8	H01L 51/42
H01L 33/56	(47) 22.06.2022	(11) EP3168877
H01L 33/58	(22) 20.09.2017	(21) EP15425096.3
(11) EP3539358	(54) STACKED IMAGE SENSOR WITH SHIELD BUMPS BETWEEN INTERCONNECTS	(47) 22.06.2022
(21) EP17869020.2	(73) OmniVision Technologies, Inc.	(22) 13.11.2015
(47) 22.06.2022	(72) WEBSTER, Eric A.G.	(54) A WIRE SHAPED COAXIAL PHOTOVOLTAIC SOLAR CELL
(87) US2017060925	GOTO, Takayuki	(73) Bonar N.V.
17.05.2018	MANABE, Sohei	CENTITVC Centre for Nanotechnology and Smart Materials
(22) 09.11.2017	MABUCHI, Keiji	SCEYE Inc
(54) TUNABLE LED EMITTER WITH CONTINUOUS SPECTRUM	FOWLER, Boyd Albert	(72) Gomes, João Manuel Carvalho
(73) LedEngin, Inc.	VENEZIA, Vincent	Durand, Geraldine
(72) YAN, Xiantao	(31) 201615284961	Poças Gonçalves, José Joaquim
LEE, Kachun	(32) 04.10.2016	Chabreck, Peter
ALVARADO, Julio Cesar	(33) United States of America	Dalsgaard, Christian
CHENG, Shifan	(51) H01L 27/146	Cardoso, Nelson Duarte da Silva
(31) 201615348940	(11) EP3794643	Carlos, Pérez
(32) 10.11.2016	(21) EP18726412.2	Graetzel, Michael
(33) United States of America	(47) 22.06.2022	Van den Storme, Manuel
(51) H01L 25/075	(87) EP2018062763	Marques, Antonio Fernando California
H05K 3/40	21.11.2019	Van den Storme, Guy
H05K 1/14	(22) 16.05.2018	Nazeeruddin, Mohammad Khaja
G09G 3/32	(54) INTEGRATION OF A SHORT-WAVE INFRARED DETECTOR WITH CMOS COMPATIBLE SUBSTRATES	Jones, Ian Anthony
H01L 33/62	(73) IRIS Industries SA	Parrein, Tim
(11) EP3712940	(72) FONTCUBERTA MORRAL, Anna	Caputo, Giuseppe
(21) EP19193650.9	CHUNG, Mintae	Canart, Virginie
(47) 22.06.2022	(51) H01L 27/146	Heyse, Pieter
(22) 26.08.2019	(11) EP3830873	Lindstrand, Per
(54) LED DISPLAY MODULE	(21) EP19761922.4	Blanco, Dani
(73) Tetos Co., Ltd.	(47) 22.06.2022	Paquet, Bernard
(72) SONG, Kun Ho	(87) FR2019051855	Swennen, Ives
(31) 20190031575	30.01.2020	Lantus, Muriel
(32) 20.03.2019	(22) 26.07.2019	Caldeira Pinto, André Lourenço
(33) Korea (Republic)	(54) DEVICE FOR DETECTING ELECTROMAGNETIC RADIATION	Little, Philip
(51) H01L 27/12	(73) LYNRED	Balakrishnan, Muralidharan
(11) EP2728620	(72) PERE-LAPERNE, Nicolas	DAR, Mohammad Ibrahim
(21) EP13190994.7	(31) 1857039	Al-Tal, Ibrahim
(47) 22.06.2022	(32) 27.07.2018	Harrison, David
(22) 31.10.2013	(33) France	Fyson, John
(54) Array substrate, manufacturing method thereof and display device	(51) H01L 27/15	Durães, Nelson Manuel Feio
(73) BOE Technology Group Co., Ltd.	H01L 33/54	Barnfield, Lee
(72) Ma, Zhanjie	H01L 33/60	(51) H01L 27/32
(31) 201210429977	H01L 21/77	(11) EP2866261
(32) 31.10.2012	H01L 33/58	(21) EP14189594.6
(33) China	(11) EP3815143	(47) 22.06.2022
(51) H01L 27/146	(21) EP19790611.8	(22) 20.10.2014
(11) EP2851955	(47) 22.06.2022	(54) Organic light emitting display device
(21) EP14184877.0	(87) FR2019051500	(73) Samsung Display Co., Ltd.
(47) 22.06.2022	26.12.2019	(72) JUNG, Jun-Heyung
(22) 16.09.2014	(22) 19.06.2019	(31) 20130124919
(54) Method for fabricating an optical filter in an integrated circuit, and corresponding integrated circuit	(54) METHOD FOR PRODUCING AN OPTOELECTRONIC DEVICE	(32) 18.10.2013
(73) STMicroelectronics (Crolles 2) SAS		(33) Korea (Republic)
		(51) H01L 27/32
		G09G 3/3208
		(11) EP3664145
		(21) EP19213229.8

(47) 22.06.2022	(21) EP17816957.9	FILM, PERPENDICULAR
(22) 03.12.2019	(47) 22.06.2022	MAGNETIZATION FILM STRUCTURE
(54) DISPLAY PANEL	(87) FR2017053327	AND METHOD FOR MANUFACTURING
(73) Samsung Display Co., Ltd.	07.06.2018	SAME, PERPENDICULAR
(72) Jo, Junyoung	(22) 30.11.2017	MAGNETIZATION-TYPE TUNNEL
Yoon, Youngsoo	(54) OPTOELECTRONIC DEVICE WITH	MAGNETORESISTANCE JUNCTION
Jo, Seunghan	LIGHT-EMITTING DIODE WITH	FILM USING THOSE AND
Lee, Jieun	EXTRACTION ENHANCEMENT	METHOD FOR MANUFACTURING
Park, Hyungjun	(73) Commissariat à l'Energie Atomique et	SAME, AND PERPENDICULAR
In, Yunkyeong	aux Energies Alternatives	MAGNETIZATION-TYPE TUNNEL
Sung, Seungwoo	(72) TEMPLIER, François	MAGNETORESISTANCE JUNCTION
Um, Nuree	BOUTAMI, Salim	ELEMENT USING THOSE
Youn, Ilgoo	(31) 1661879	(73) National Institute for Materials Science
An, Junyong	(32) 02.12.2016	(72) SCHEIKE Thomas
(31) 20180154782	(33) France	SUKEGAWA Hiroaki
(32) 04.12.2018	(51) H01L 33/54	MITANI Seiji
(33) Korea (Republic)	B29D 11/00	(31) 2017174000
(51) H01L 27/32	B29C 39/24	(32) 11.09.2017
H01L 51/56	(11) EP3534416	(33) Japan
(11) EP3640991	(21) EP19159641.0	(51) H01L 45/00
(21) EP17910922.8	(47) 22.06.2022	(11) EP3813133
(47) 22.06.2022	(22) 27.02.2019	(21) EP20173384.7
(87) CN2017092874	(54) METHOD OF MANUFACTURING	(47) 22.06.2022
29.11.2018	LIGHT EMITTING DEVICE AND LIGHT	(22) 07.05.2020
(22) 13.07.2017	EMITTING DEVICE	(54) MEMORY DEVICE STRUCTURE AND
(54) MANUFACTURING METHOD OF OLED	(73) NICHIA CORPORATION	METHOD FOR FABRICATING THE
DISPLAY	(72) KONDO, Shinya	SAME
(73) Shenzhen China Star Optoelectronics	WASA, Takuya	(73) United Microelectronics Corp.
Semiconductor Display Technology Co.,	KUMAKURA, Takenori	(72) WANG, Wen-Jen
Ltd.	(31) 2019027346	WANG, Chuan-Fu
(72) LIU, Fangmei	2018035596	CHENG, Chun-Hung
ZHOU, Xingyu	(32) 19.02.2019	(31) 201910999208
(31) 201710389002	28.02.2018	(32) 21.10.2019
(32) 25.05.2017	(33) Japan	(33) China
(33) China	Japan	(51) H01L 51/50
(51) H01L 29/78	(51) H01L 43/02	(11) EP3035403
H01L 21/336	H01L 43/08	(21) EP15197343.5
H01L 29/06	H01L 43/12	(47) 22.06.2022
H01L 29/20	(11) EP3671874	(22) 01.12.2015
(11) EP3627559	(21) EP18215612.5	(54) WHITE ORGANIC LIGHT-EMITTING
(21) EP18195332.4	(47) 22.06.2022	DISPLAY DEVICE
(47) 22.06.2022	(22) 21.12.2018	(73) LG Display Co., Ltd.
(22) 19.09.2018	(54) ZERO-FIELD SWITCHING FOR SOT	(72) CHO, GwiJeong
(54) A III-V SEMICONDUCTOR DEVICE	TECHNOLOGY	KIM, SeUng
AND A METHOD FOR FORMING	(73) IMEC vzw	KIM, TaeShick
A III-V SEMICONDUCTOR DEVICE	(72) KAR, Gouri Sankar	YOO, TaeSun
COMPRISING AN EDGE TERMINATION	GARELLO, Kevin	KAM, YoungSeok
STRUCTURE	(51) H01L 43/10	(31) 20150092495
(73) IMEC VZW	G01R 33/09	20140183569
Universiteit Gent	H01F 10/14	(32) 29.06.2015
(72) BAKERROOT, Benoit	H01F 10/30	18.12.2014
(51) H01L 31/0232	H01L 21/8239	(33) Korea (Republic)
H01L 27/144	H01L 27/105	Korea (Republic)
H01L 27/146	H01L 43/08	(51) H01L 51/56
H01L 31/112	H01L 43/12	H01L 51/52
H01L 31/0224	G01R 33/00	(11) EP3743952
(11) EP3261131	G01R 33/16	(21) EP19743253.7
(21) EP16175572.3	H01F 10/32	(47) 22.06.2022
(47) 22.06.2022	H01F 41/30	(87) US2019014106
(22) 21.06.2016	G11C 11/16	01.08.2019
(54) AN APPARATUS FOR SENSING	(11) EP3683851	(22) 18.01.2019
ELECTROMAGNETIC RADIATION	(21) EP18852964.8	(54) METHOD FOR MASK-FREE OLED
(73) Nokia Technologies Oy	(47) 22.06.2022	DEPOSITION AND MANUFACTURE
(72) Allen, Mark	(87) JP2018031877	(73) OLEDWorks LLC
Harris, Nadine	14.03.2019	(72) HAMER, John
(51) H01L 33/00	(22) 29.08.2018	SPINDLER, Jeffrey
H01L 33/20	(54) PRECURSOR STRUCTURE OF	(31) 201862621616 P
(11) EP3549178	PERPENDICULAR MAGNETIZATION	(32) 25.01.2018

(33) United States of America	AND NONAQUEOUS ELECTROLYTE	(54) A DEVICE AND A METHOD FOR
(51) H01M 4/139	SECONDARY BATTERY	GENERATING ELECTRICAL ENERGY
H01M 4/88	(73) Toda Kogyo Corp.	FROM SOIL DEGRADATION
H01M 4/75	(72) YAMAMOTO, Manabu	(73) Voltaplant Srl
H01M 10/04	MATSUMOTO, Kazutoshi	(72) GRANATA, Mirko Umberto
H01M 4/66	WATANABE, Hiroyasu	ASSINI, Silvia Paola
H01M 4/04	SADAMURA, Hideaki	DI LORENZO, Roberto
(11) EP3389120	KAJIYAMA, Akihisa	MALCOVATI, Piero
(21) EP17831328.4	MASAKI, Ryuta	(31) 201900024643
(47) 22.06.2022	MORITA, Daisuke	(32) 19.12.2019
(87) KR2017007733	MASUKUNI, Hiroaki	(33) Italy
25.01.2018	KOGA, Kazumichi	(51) H01M 8/0606
(22) 18.07.2017	(31) 2011151283	H01M 8/0444
(54) METHOD FOR MANUFACTURING	2011080118	H01M 8/04664
ELECTRODE AND	2011080117	B60L 50/72
CURRENT COLLECTOR FOR	2011080116	(11) EP3494610
ELECTROCHEMICAL DEVICE	(32) 07.07.2011	(21) EP17746494.8
(73) LG Energy Solution, Ltd.	31.03.2011	(47) 22.06.2022
(72) KIM, Eun-Bee	31.03.2011	(87) EP2017069539
LEE, Jung-Pil	31.03.2011	08.02.2018
(31) 20160090985	(33) Japan	(22) 02.08.2017
(32) 18.07.2016	Japan	(54) GENERATOR UNIT HAVING A FUEL
(33) Korea (Republic)	Japan	CELL DEVICE, VEHICLE HAVING A
(51) H01M 4/36	Japan	GENERATOR UNIT OF THIS TYPE
H01M 4/525	(51) H01M 6/32	AND METHOD FOR MONITORING A
H01M 4/485	H01M 4/38	GENERATOR UNIT
H01M 4/62	H01M 4/42	(73) Nissan Motor Co., Ltd.
C01G 51/00	H01M 4/46	AVL List GmbH
H01M 10/052	H01M 6/04	(72) PÖSCHL, Robert
H01M 4/131	(11) EP3544100	MATHÉ, Jörg
H01M 10/0525	(21) EP17871676.7	REISSIG, Michael
(11) EP3509140	(47) 22.06.2022	MAKINSON, Julian
(21) EP17847774.1	(87) JP2017040935	TANAKA, Daiki
(47) 22.06.2022	24.05.2018	(31) 507022016
(87) KR2017013523	(22) 14.11.2017	(32) 02.08.2016
09.05.2019	(54) MOISTURE SENSOR	(33) Austria
(22) 24.11.2017	(73) Nippon Telegraph and Telephone	(51) H01M 10/04
(54) POSITIVE ELECTRODE ACTIVE	Corporation	H01M 10/0587
MATERIAL FOR SECONDARY	(72) ONO, Yoko	H01M 4/36
BATTERY, MANUFACTURING METHOD	HAYASHI, Masahiko	H01M 4/66
THEREOF, AND SECONDARY	NOHARA, Masaya	H01M 4/485
BATTERY COMPRISING SAME	IWATA, Mikayo	H01M 4/38
(73) UNIST (Ulsan National Institute of	KOMATSU, Takeshi	H01M 4/02
Science and Technology)	(31) 2016222906	H01M 10/0585
(72) CHO, Jaephil	(32) 16.11.2016	H01M 10/0525
YOON, Moon Su	(33) Japan	H01M 50/10
(31) 20170144233	(51) H01M 8/02	H01M 50/147
(32) 31.10.2017	H01M 8/04	H01M 50/20
(33) Korea (Republic)	H01M 8/026	H01M 50/40
(51) H01M 4/505	H01M 8/0228	H01M 50/463
C01G 53/00	H01M 8/04119	(11) EP3327849
H01M 4/525	(11) EP2893585	(21) EP16827678.0
C01G 45/12	(21) EP12884330.7	(47) 22.06.2022
C01G 51/00	(47) 22.06.2022	(87) JP2016070622
(11) EP2693534	(87) US2012054102	26.01.2017
(21) EP11862158.0	13.03.2014	(22) 13.07.2016
(47) 22.06.2022	(22) 07.09.2012	(54) SECONDARY BATTERY
(87) JP2011080075	(54) REACTANT FLOW CHANNEL	(73) Vehicle Energy Japan Inc.
04.10.2012	CONFIGURATION TO FACILITATE	(72) IWASA Masaaki
(22) 26.12.2011	WATER REMOVAL	NISHIMORI Hitoshi
(54) MANGANESE-NICKEL COMPOSITE	(73) Audi AG	TANAKA Akihide
OXIDE PARTICLE POWDER,	(72) DARLING, Robert Mason	KUBOTA Osamu
PRODUCTION METHOD THEREFOR,	(51) H01M 8/06	(31) 2015145401
POSITIVE-ELECTRODE ACTIVE	H01M 8/16	(32) 23.07.2015
MATERIAL PARTICLE POWDER	(11) EP3840094	(33) Japan
FOR NONAQUEOUS ELECTROLYTE	(21) EP20215777.2	(51) H01M 10/04
SECONDARY BATTERIES,	(47) 22.06.2022	H01M 50/121
PRODUCTION METHOD THEREFOR,	(22) 18.12.2020	(11) EP3386019

(21) EP17851138.2	(72) KIM, Won Nyeon	(11) EP3836295
(47) 22.06.2022	LEE, Byeong Kyu	(21) EP20765887.3
(87) KR2017010208	JUNG, Tai Jin	(47) 22.06.2022
22.03.2018	KU, Cha Hun	(87) KR2020003084
(22) 18.09.2017	PYO, Jung Kwan	10.09.2020
(54) SECONDARY BATTERY	(31) 20180035137	(22) 04.03.2020
(73) LG Energy Solution, Ltd.	(32) 27.03.2018	(54) BATTERY MODULE, AND BATTERY
(72) KIM, Hyun Min	(33) Korea (Republic)	PACK AND VEHICLE COMPRISING
SHIM, Jung Ah	(51) H01M 10/0585	SAME
OH, Sei Woon	H01M 50/572	(73) LG Energy Solution, Ltd.
LIM, Seong Yoon	H01M 4/02	(72) KIM, Ki-Youn
(31) 20170117320	H01M 4/13	KO, Myung-Hoon
20160119146	H01M 4/04	KIM, Jee-Ho
(32) 13.09.2017	H01M 10/0525	KANG, Gyung-Soo
19.09.2016	H01M 4/131	(31) 20190024839
(33) Korea (Republic)	H01M 4/133	(32) 04.03.2019
Korea (Republic)	H01M 4/134	(33) Korea (Republic)
(51) H01M 10/052	H01M 4/1391	(51) H01M 50/105
H01M 10/0585	H01M 4/1393	H01M 50/136
H01M 10/48	H01M 4/1395	H01M 50/184
H01M 50/572	H01M 4/525	H01M 10/0585
(11) EP3654435	H01M 4/587	H01M 50/463
(21) EP19207024.1	(11) EP3252862	H01M 10/04
(47) 22.06.2022	(21) EP16743337.4	(11) EP3340358
(22) 05.11.2019	(47) 22.06.2022	(21) EP16870899.8
(54) ALL-SOLID LITHIUM SECONDARY	(87) JP2016052122	(47) 22.06.2022
BATTERY, AND DETERIORATION	04.08.2016	(87) KR2016010297
DETERMINATION METHOD OF	(22) 26.01.2016	08.06.2017
ALL-SOLID LITHIUM SECONDARY	(54) SECONDARY BATTERY	(22) 12.09.2016
BATTERY	(73) Envision AESC Japan Ltd.	(54) BATTERY CELL OF IRREGULAR
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(72) HIRAI, Masanori	STRUCTURE WITH IMPROVED
(72) NOSE, Masafumi	YAMAMOTO, Yoshimasa	SEALING RELIABILITY OF CELL CASE
WATANABE, Masaki	TAKAHASHI, Hiroo	(73) LG Energy Solution, Ltd.
(31) 2018215045	TAKEDA, Kouzou	(72) RYU, Sang Baek
(32) 15.11.2018	MATSUU, Masaaki	KIM, Dong Myung
(33) Japan	(31) 2015016710	(31) 20150168607
(51) H01M 10/0525	(32) 30.01.2015	(32) 30.11.2015
H01M 4/131	(33) Japan	(33) Korea (Republic)
H01M 4/485	(51) H01M 10/44	(51) H01M 50/116
H01M 50/491	H02J 7/00	H01M 50/148
H01M 4/02	H01M 10/0525	H01M 50/183
(11) EP3780219	(11) EP3370299	H01M 50/186
(21) EP18913393.7	(21) EP16880785.7	H01M 50/191
(47) 22.06.2022	(47) 22.06.2022	H01M 10/0525
(87) JP2018014450	(87) CN2016105092	(11) EP3679610
10.10.2019	06.07.2017	(21) EP18795369.0
(22) 04.04.2018	(22) 08.11.2016	(47) 22.06.2022
(54) NONAQUEOUS ELECTROLYTE	(54) LITHIUM-ION BATTERY NON-	(87) EP2018078851
BATTERY, AND BATTERY PACK	CONSTANT-VOLTAGE CHARGING	02.05.2019
(73) KABUSHIKI KAISHA TOSHIBA	METHOD FOR CORRECTING AND	(22) 22.10.2018
(72) SHIKOTA, Masataka	COMPENSATING VOLTAGE	(54) BATTERIE CELL AND METHOD FOR
HASEGAWA, Aki	(73) Guangzhou Fullriver Battery New	PRODUCING IT
NAKAZAWA, Toshitada	Technology Co., Ltd.	(73) GS Yuasa International Ltd.
YAMAMOTO, Dai	(72) Li, li	Robert Bosch GmbH
(51) H01M 10/0585	YI, Shiming	(72) RINGK, Andreas
G01B 11/04	TANG, Shengcheng	(31) 102017219324
G01B 11/02	ZENG, Shihua	(32) 27.10.2017
H01M 10/04	(31) 201511032969	(33) Germany
(11) EP3621140	(32) 31.12.2015	(51) H01M 50/20
(21) EP19776778.3	(33) China	(11) EP3888159
(47) 22.06.2022	(51) H01M 10/6572	(21) EP20705899.1
(87) KR2019001926	H01M 10/653	(47) 22.06.2022
03.10.2019	H01M 10/6555	(87) EP2020053477
(22) 18.02.2019	H01M 10/613	20.08.2020
(54) APPARATUS AND METHOD FOR	H01M 10/615	(22) 11.02.2020
MANUFACTURING SECONDARY	H01M 10/625	(54) HOUSING HAVING AT LEAST ONE
BATTERY	H01M 10/659	FIRST AND ONE SECOND HOUSING
(73) LG Energy Solution, Ltd.	H01M 50/204	PART

(73) FAZUA GmbH	G01S 7/03	H01Q 1/48
(72) BIECHELE, Johannes	H01Q 1/44	H01Q 15/00
(31) 102019103295	G01S 13/931	H01Q 1/22
(32) 11.02.2019	H01Q 1/42	H01Q 5/378
(33) Germany	(11) EP3514567	H01Q 9/16
(51) H01M 50/249	(21) EP17861826.0	H01Q 9/06
(11) EP3731303	(47) 22.06.2022	(11) EP3772135
(21) EP20168916.3	(87) JP2017033315	(21) EP18913904.1
(47) 22.06.2022	26.04.2018	(47) 22.06.2022
(22) 09.04.2020	(22) 14.09.2017	(87) JP2018047452
(54) BATTERY CARTRIDGE FOR VEHICLE	(54) DECORATIVE PART FOR VEHICLE	10.10.2019
(73) Xing Power Inc.	AND METHOD FOR MANUFACTURING	(22) 25.12.2018
(72) LIN, Yu-Chung	SAME	(54) ANTENNA DEVICE AND ELECTRONIC
TUCKER, Kareem Azizi	(73) Toyoda Gosei Co., Ltd.	DEVICE
(31) 201916391568	(72) OKUMURA, Koji	(73) Panasonic Intellectual Property
(32) 23.04.2019	MAEDA, Hideto	Management Co., Ltd.
(33) United States of America	(31) 2016207080	(72) TAKAI, Hitoshi
(51) H01P 1/08	2016207079	HAMABE, Taichi
H01P 1/06	(32) 21.10.2016	IMAI, Kazuhiro
(11) EP3605723	(31) 21.10.2016	(31) 2018074153
(21) EP18772423.2	(33) Japan	(32) 06.04.2018
(47) 22.06.2022	Japan	(33) Japan
(87) JP2018011575	(51) H01Q 1/12	(51) H01Q 1/27
27.09.2018	H01Q 1/24	H01Q 13/18
(22) 23.03.2018	H01Q 5/42	H01Q 1/48
(54) HIGH FREQUENCY WINDOW AND	H01Q 15/00	G04G 17/08
MANUFACTURING METHOD FOR THE	H01Q 1/52	G04G 21/04
SAME	H01Q 5/307	G04R 60/12
(73) NEC NETWORK AND SENSOR	H01Q 21/26	(11) EP3298654
SYSTEMS, LTD.	H01Q 21/30	(21) EP16724684.2
(72) NAKANO, Takashi	H01Q 19/10	(47) 22.06.2022
KASAHARA, Akihiko	H01Q 19/18	(87) FI2016050320
(31) 2017059345	H01Q 21/24	24.11.2016
(32) 24.03.2017	(11) EP3539179	(22) 13.05.2016
(33) Japan	(21) EP16921216.4	(54) WIRELESS PORTABLE ELECTRONIC
(51) H01P 3/08	(47) 22.06.2022	DEVICE HAVING A CONDUCTIVE
(11) EP3399588	(87) CN2016105177	BODY THAT FUNCTIONS AS A
(21) EP17169665.1	17.05.2018	RADIATOR
(47) 22.06.2022	(22) 09.11.2016	(73) Nokia Technologies Oy
(22) 05.05.2017	(54) DUAL-BAND RADIATION SYSTEM AND	(72) ERENTOK, Aycan
(54) COMPOSITE SUBSTRATE FOR A	ANTENNA ARRAY THEREOF	(31) 201514714846
WAVEGUIDE AND METHOD OF	(73) Tongyu Communication Inc.	(32) 18.05.2015
MANUFACTURING A COMPOSITE	(72) WU, Zhonglin	(33) United States of America
SUBSTRATE	QIN, Peiyuan	(51) H01Q 7/00
(73) Nokia Solutions and Networks Oy	DING, Can	H01P 1/203
(72) FASANO KOPF, Rose	GUO, Yingjie	H01Q 9/42
BULJA, Senad	(51) H01Q 1/22	(11) EP3387705
RULIKOWSKI, Pawel	H01Q 1/27	(21) EP16718370.6
NOROOZIARAB, Majid	H04B 5/00	(47) 22.06.2022
(51) H01P 5/10	A61B 5/00	(87) EP2016059234
H01Q 21/24	H01Q 5/328	02.11.2017
H01Q 21/06	(11) EP3485531	(22) 26.04.2016
H01Q 21/00	(21) EP17737595.3	(54) ANTENNA ARRANGEMENT
H05K 1/02	(47) 22.06.2022	(73) Huawei Technologies Co., Ltd.
H05K 1/16	(87) EP2017067461	(72) LENIVE, Vlad
(11) EP3084880	18.01.2018	AHLSTRÖM, Alf
(21) EP13899863.8	(22) 11.07.2017	(51) H01Q 21/28
(47) 22.06.2022	(54) MEDICAL IMPLANT WITH WIRELESS	H01Q 15/00
(87) SE2013051578	COMMUNICATION	H01Q 1/52
25.06.2015	(73) Oslo Universitetssykehus HF	H01Q 1/24
(22) 19.12.2013	(72) BERGLAND, Jacob	(11) EP3035440
(54) BALUN	BALASINGHAM, Ilangko	(21) EP15194401.4
(73) SAAB AB	KHALEGHI, Ali	(47) 22.06.2022
(72) WIKSTRÖM, Andreas	(31) 201612175	(22) 12.11.2015
HOLTER, Henrik	(32) 13.07.2016	(54) DISPLAY PANEL WITH TRANSPARENT
FORSLUND, Ola	(33) United Kingdom	CONDUCTOR BASED ISOLATOR
(51) H01Q 1/02	(51) H01Q 1/24	FOR IMPROVED WIRELESS
	H01Q 1/52	COMMUNICATIONS

(73) Intel Corporation	H01R 4/36	(11) EP3211725
(72) PAN, Helen Kankan CHAI, Mei HORINE, Bryce SKINNER, Harry G.	(11) EP3807956 (21) EP19737168.5 (47) 22.06.2022 (87) FR2019051179 19.12.2019	(21) EP16157114.6 (47) 22.06.2022 (22) 24.02.2016 (54) CONNECTOR ASSEMBLY (73) Stäubli Electrical Connectors AG
(31) 201414570903	(22) 23.05.2019	(72) SCHULL, Frédéric
(32) 15.12.2014	(54) METAL CLIP FOR ELECTRICALLY CONNECTING A CONDUCTIVE WIRE TO A METAL ELEMENT	(73) NURDIN, Yannick
(33) United States of America	(73) A. Raymond et Cie	(51) H01R 13/66 H01R 24/28
(51) H01R 4/02 H01R 4/70 H01R 13/506 H01R 13/52 H01R 13/447 H01R 43/00 H01R 11/28	(72) BERNARD, Nicolas (31) 1855270 (32) 15.06.2018 (33) France	(11) EP3429034 (21) EP17845026.8 (47) 22.06.2022 (87) CN2017091316 08.03.2018
(11) EP3716408	(51) H01R 4/64	(22) 30.06.2017
(21) EP19305411.1	H01R 9/05	(54) CABLE STRUCTURE, POWER CORD STRUCTURE, AND ELECTRICAL DEVICE
(47) 22.06.2022	H01R 13/73	(73) Midea Group Co., Ltd. Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.
(22) 29.03.2019	H01R 13/436	(72) LI, Songtao MA, Jianliang ZHANG, Zhenfeng
(54) FLEXIBLE CONTACT SAFETY FOR ELECTRICAL CONNECTION	(11) EP3719933	(31) 201610770061
(73) Nexans	(21) EP20176778.7	(32) 30.08.2016
(72) SCHRÖER, Frank	(47) 22.06.2022 (22) 05.05.2017	(33) China
(51) H01R 4/04 B23K 35/00 B23K 35/02 B23K 35/26 B23K 35/36 B23K 35/362 B23K 3/04 B23K 1/00 B23K 1/20 C09J 7/10 B23K 101/36 B23K 101/42	(54) CONNECTOR DEVICE WITH AT LEAST ONE CONNECTOR (73) Rosenberger Hochfrequenztechnik GmbH & Co. KG (72) Bredbeck, Till (31) 102016109266 102016108402 (32) 20.05.2016 06.05.2016 (33) Germany Germany	(51) H01R 39/56 H01R 43/14 H01R 43/00 (11) EP3841641 (21) EP19768701.5 (47) 22.06.2022 (87) DE2019100751 27.02.2020 (22) 20.08.2019 (54) SLIP RING ASSEMBLY (73) Stemmann-Technik GmbH (72) KRISTEN, Renè DROPMANN, Frank LÖTGERING, Dirk (31) 102018120326 (32) 21.08.2018 (33) Germany
(11) EP3257109	(51) H01R 13/187	(51) H01S 5/50 G01R 31/302 G01R 31/311 G01R 31/26 G01R 31/265
(21) EP16749792.4	H01R 13/17	(11) EP3306761
(47) 22.06.2022	(11) EP3761455	(21) EP16802993.2
(87) US2016017331	(21) EP19183650.1	(47) 22.06.2022
18.08.2016	(47) 22.06.2022	(87) JP2016063864 08.12.2016
(22) 10.02.2016	(22) 01.07.2019	(22) 10.05.2016
(54) ELECTRICAL CONNECTION TAPE	(54) CONNECTING PLUG WITH CENTRAL PIN AND LAMELLA SLEEVE AND CONNECTING SOCKET WITH LAMELLA SLEEVE	(54) LIGHT SOURCE DEVICE AND INSPECTION DEVICE
(73) Alpha Assembly Solutions Inc.	(73) ODU GmbH & Co. KG	(73) Hamamatsu Photonics K.K.
(72) PROKOPIAK, Steven, Dane SINGH, Bawa PANDHER, Ranjit, S. ARORA, Sanyogita TORMEY, Ellen, S.	(72) MANGSTL, Alfred	(72) NISHIZAWA, Mitsunori NAKAMURA, Tomonori
(31) 201562114820 P	(51) H01R 13/453	(31) 2015110187
(32) 11.02.2015	H01R 13/635	(32) 29.05.2015
(33) United States of America	H01R 24/76	(33) Japan
(51) H01R 4/18 H01R 4/70 H01R 43/048	H01R 103/00	(51) H01T 4/04 H01R 13/52 H01R 13/629 H01T 1/12
(11) EP3787119	(11) EP3707783	
(21) EP20193067.4	(21) EP18799746.5	
(47) 22.06.2022	(47) 22.06.2022	
(22) 27.08.2020	(87) EP2018080368 16.05.2019	
(54) ELECTRIC-WIRE-EQUIPPED TERMINAL AND METHOD OF MANUFACTURING THE SAME	(22) 06.11.2018	
(73) Yazaki Corporation	(54) PUSH-ON SOCKET	
(72) UEHARA, Takehiko	(73) H.B.F.	
(31) 2019156241	(72) MARTINEZ GONZALEZ, Jose Manuel	
(32) 29.08.2019	LAMO, Julien	
(33) Japan	RENBIN, Ren	
(51) H01R 4/48 H01R 4/64	(31) 201721468008 U (32) 07.11.2017 (33) China	
	(51) H01R 13/514	
	H01R 13/518	
	H01R 13/6586	
	H01R 13/645	

H01T 4/02	(72) DECATALDO, Cosimo	THE SELF-POWERED SWITCH
(11) EP3391483	MOCELLIN, Dario	DEVICE
(21) EP17703130.9	(31) 201800001511	(73) General Electric Technology GmbH
(47) 22.06.2022	(32) 19.01.2018	(72) Grieshaber, Wolfgang
(87) EP2017052319	(33) Italy	Dupraz, Jean-Pierre
24.08.2017	(51) H02G 3/08	Yang, Yang
(22) 03.02.2017	H02G 3/18	(51) H02H 3/06
(54) ACTUATING ASSEMBLY FOR	(11) EP3309916	H02H 7/28
FORMING AN ISOLATING DISTANCE	(21) EP17306386.8	H02J 3/00
FOR A SURGE ARRESTER	(47) 22.06.2022	H02H 3/253
(73) Siemens Energy Global GmbH & Co. KG	(22) 13.10.2017	(11) EP3806257
(72) SULITZE, Markus	(54) ELECTRICAL EQUIPMENT HOUSING,	(21) EP20200406.5
(31) 102016202327	ELECTRICAL APPARATUS FOR	(47) 22.06.2022
(32) 16.02.2016	SUCH HOUSING AND ELECTRICAL	(22) 06.10.2020
(33) Germany	EQUIPMENT COMPRISING SUCH	(54) SINGLE PHASE FAULT ISOLATION
(51) H01T 13/36	HOUSING AND ELECTRICAL	AND RESTORATION FOR LOSS
H01T 13/54	APPLIANCE	OF VOLTAGE FAULT IN POWER
H01T 21/02	(73) Berker GmbH & Co. KG	DISTRIBUTION NETWORK
(11) EP3771049	(72) DUVIVIER, Laurent	(73) G & W Electric Company
(21) EP20198706.2	VARIN, Bruno	(72) DIFONZO, Nicholas Carmine
(47) 22.06.2022	(31) 1659956	KELLER, Erich
(22) 08.12.2017	(32) 14.10.2016	(31) 201916595272
(54) SPARK PLUG AND METHOD FOR	(33) France	(32) 07.10.2019
MANUFACTURING SAME	(51) H02G 3/08	(33) United States of America
(73) DKT Verwaltungs-GmbH	H02G 15/007	(51) H02H 3/40
(72) Kuhnert, Steffen	H02G 3/22	G01R 31/08
(31) 102017202238	(11) EP2924828	H02H 1/00
(32) 13.02.2017	(21) EP14290079.4	H02H 1/04
(33) Germany	(47) 22.06.2022	(11) EP3813215
(51) H02G 1/06	(22) 26.03.2014	(21) EP19205359.3
H02G 9/02	(54) Removable cable inlet	(47) 22.06.2022
(11) EP3267540	(73) CONNECTEURS ELECTRIQUES	(22) 25.10.2019
(21) EP17180330.7	DEUTSCH	(54) METHOD AND DEVICE FOR
(47) 22.06.2022	(72) Cavailles, Christian	PRODUCING A CLASSIFICATION
(22) 07.07.2017	Quin, Didier	SIGNAL CLASSIFYING AN
(54) METHOD AND DEVICE FOR	Houvenaghel, Fabien	ELECTRICAL IMPEDANCE
INSERTING PIPE WARNING TAPE	(51) H02G 5/10	(73) Siemens Aktiengesellschaft
INTO THE GROUND	H01H 9/52	(72) Yelgin, Yilmaz
(73) HERRENKNECHT	F28D 15/02	Blumschein, Jörg
AKTIENGESELLSCHAFT	H01B 7/42	(51) H02J 3/06
(72) PETERS, Marc	(11) EP3453090	(11) EP3900141
(31) 102016008203	(21) EP17718505.5	(21) EP20702270.8
(32) 07.07.2016	(47) 22.06.2022	(47) 22.06.2022
(33) Germany	(87) EP2017058985	(87) EP2020051862
(51) H02G 1/08	09.11.2017	13.08.2020
(11) EP3598592	(22) 13.04.2017	(22) 27.01.2020
(21) EP19186201.0	(54) COOLING DEVICE	(54) METHODS AND APPARATUS FOR
(47) 22.06.2022	(73) Hitachi Energy Switzerland AG	AN AC NETWORK WITH INCREASED
(22) 15.07.2019	(72) GANTER, Philipp	POWER THROUGHPUT
(54) AN INSERTING SYSTEM OF AT	MAUROUX, Jean-Claude	(73) ReEnergy Holding AG
LEAST ONE ELECTRICAL CABLE	HILLER, Andreas	(72) STOEV, Alexander
INTERNALLY OF A PROTECTIVE TUBE	(31) 16167941	(31) 19156215
(73) Coli, Daniele	(32) 02.05.2016	(32) 08.02.2019
(72) Coli, Daniele	(33) European Patent Office (EPO)	(33) European Patent Office (EPO)
(31) 201800007217	(51) H02H 1/06	(51) H02J 3/36
(32) 16.07.2018	H02H 3/087	(11) EP3780312
(33) Italy	H01H 9/54	(21) EP19916647.1
(51) H02G 3/06	H01H 33/59	(47) 22.06.2022
H02G 3/08	H02M 1/096	(87) CN2019103748
H02G 3/12	H03K 17/10	03.09.2020
H02G 3/14	(11) EP3429045	(22) 30.08.2019
H02G 3/32	(21) EP17290093.8	(54) PASSIVE IMPEDANCE ADAPTER
(11) EP3514900	(47) 22.06.2022	PARAMETER DESIGN METHOD
(21) EP19152903.1	(22) 11.07.2017	AND APPARATUS APPLICABLE TO
(47) 22.06.2022	(54) SELF-POWERED SWITCH DEVICE	FLEXIBLE DIRECT CURRENT
(22) 21.01.2019	ADAPTED TO BE INCLUDED IN A	(73) Electric Power Research Institute. China
(54) JUNCTION BOX	MECHATRONIC CIRCUIT BREAKER	Southern Power Grid
(73) Vimar S.p.A.	AND METHOD FOR CONTROLLING	China Southern Power Grid

<p>(72) ZHAO, Xiaobin ZOU, Changyue XIN, Qingming LI, Yan CHEN, Jun XU, Shukai YANG, Shuangfei RAO, Hong LI, Weiwei (31) 201910146827 (32) 27.02.2019 (33) China <hr/>(51) H02J 3/48 H02J 3/50 H02P 9/00 H02J 3/18 (11) EP3166197 (21) EP15712664.0 (47) 22.06.2022 (87) ES2015070070 11.08.2016 (22) 02.02.2015 (54) CONTROL METHOD FOR A SYSTEM COMPRISING A FREQUENCY CONVERTER CONNECTED TO AN ELECTRICAL GRID (73) Ingeteam Power Technology, S.A. (72) GIRONES REMIREZ, Carlos GIL LIZARBE, Beatriz SANZ CEBALLOS, Eduardo <hr/>(51) H02J 4/00 H02J 13/00 H02J 7/00 (11) EP3799248 (21) EP20191670.7 (47) 22.06.2022 (22) 27.10.2011 (54) METHOD TO MANAGE ENERGY SERVICES FOR A PLURALITY OF ASSETS OF DIFFERENT TYPES. (73) The AES Corporation (72) ZAHURANCIK, John Michael SHELTON, John Christopher (31) 201061424534 P 42178210 P 42179310 P 41959410 P 40728510 P 40729310 P (32) 17.12.2010 10.12.2010 10.12.2010 03.12.2010 27.10.2010 27.10.2010 (33) United States of America United States of America <hr/>(51) H02J 7/00 G05B 9/02 G05B 19/042 (11) EP3869659 (21) EP21157757.2 (47) 22.06.2022 (22) 18.02.2021</p>	<p>(54) ELECTRICAL SUPPLY SYSTEM COMPRISING A PLURALITY OF BATTERIES (73) SpeedInnov (72) BOLLENGIER, Christophe (31) 2001578 (32) 18.02.2020 (33) France <hr/>(51) H02J 7/00 H01M 10/42 (11) EP3516729 (21) EP17853970.6 (47) 22.06.2022 (87) US2017052913 29.03.2018 (22) 22.09.2017 (54) BATTERY MANAGEMENT SYSTEM (73) Artisan Vehicle Systems Inc. (72) KASABA, Michael, E. HICKEY, Kyle HUFF, Brian, R. (31) 201715712110 201762512553 P 201662398857 P (32) 21.09.2017 30.05.2017 23.09.2016 (33) United States of America United States of America United States of America <hr/>(51) H02J 7/00 H02J 50/10 H02J 50/00 (11) EP3852224 (21) EP21151353.6 (47) 22.06.2022 (22) 13.01.2021 (54) WIRELESS CHARGER (73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. (72) YANG, Jun (31) 202020074708 U 202010037378 (32) 14.01.2020 14.01.2020 (33) China China <hr/>(51) H02J 50/80 H02J 7/00 H02J 50/10 H02J 50/40 B60L 50/60 H01F 38/14 (11) EP3463971 (21) EP17807321.9 (47) 22.06.2022 (87) US2017034964 07.12.2017 (22) 30.05.2017 (54) WIRELESSLY DISTRIBUTED AND MULTI-DIRECTIONAL POWER TRANSFER SYSTEMS AND RELATED METHODS (73) The Board Of Trustees Of The University Of Alabama (72) ABU QAHOUC, Jaber A. (31) 201662343113 P (32) 30.05.2016</p>	<p>(33) United States of America <hr/>(51) H02K 1/14 H02K 1/18 H02K 7/18 (11) EP2424076 (21) EP11177298.4 (47) 22.06.2022 (22) 11.08.2011 (54) Segmented stator assembly (73) General Electric Company (72) Zirin, Robert Michael Longtin, Randy Scott DeBlock, Mark John Dawson, Richard Nils Lokhandwalla, Murtuza Haran, Kiruba Sivasubramaniam (31) 871351 (32) 30.08.2010 (33) United States of America <hr/>(51) H02K 1/24 H02K 19/10 (11) EP3082225 (21) EP16165449.6 (47) 22.06.2022 (22) 14.04.2016 (54) METHOD FOR DESIGNING A ROTOR STRUCTURE OF A SYNCHRONOUS RELUCTANCE ELECTRIC MACHINE, AND CORRESPONDING ROTOR FOR A SYNCHRONOUS RELUCTANCE ELECTRIC MACHINE (73) Ge Avio S.r.l. (72) CIPRIANI, Marco RONCHETTO, Davide (31) UB20150608 (32) 14.04.2015 (33) Italy <hr/>(51) H02K 1/276 F04C 29/00 F04C 18/34 F04C 23/00 F04C 18/356 H02K 21/16 (11) EP3136561 (21) EP14890219.0 (47) 22.06.2022 (87) JP2014061286 29.10.2015 (22) 22.04.2014 (54) EMBEDDED PERMANENT MAGNET-TYPE ELECTRIC MOTOR, COMPRESSOR, AND REFRIGERATION/AIR-CONDITIONING DEVICE (73) Mitsubishi Electric Corporation (72) TSUCHIDA, Kazuchika NIGO, Masahiro <hr/>(51) H02K 3/30 H01B 13/00 H02K 15/12 H02K 3/40 H01B 19/02 H01B 19/04 (11) EP3480921 (21) EP16907207.1 (47) 22.06.2022 (87) JP2016003164 04.01.2018</p>
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(22) 01.07.2016	(54) DIRECT DRIVE GENERATOR FOR RENEWABLE ENERGY APPLICATIONS	20160107983
(54) METHOD FOR PRODUCING INSULATING STRUCTURE	(73) Time to Act Limited	(32) 20.12.2016
(73) TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION	(72) KELLY, Hugh-Peter Granville	24.08.2016
(72) KIKUTA, Shinsuke	(31) 201320623	(33) Korea (Republic)
YOSHIMITSU, Tetsuo	(32) 21.11.2013	Korea (Republic)
MURA, Kotaro	(33) United Kingdom	(51) H02M 7/48
TSUDA, Toshihiro	(51) H02K 49/04	H02P 25/22
(51) H02K 5/20	B60L 7/28	H02K 11/30
H02K 7/18	F16D 43/14	H02K 1/14
H02K 9/06	B60L 3/00	H02K 1/27
(11) EP3430708	(11) EP3183804	H02P 21/00
(21) EP17711275.2	(21) EP15834380.6	(11) EP3793079
(47) 22.06.2022	(47) 22.06.2022	(21) EP19800472.3
(87) GB2017050635	(87) NZ2015050113	(47) 22.06.2022
21.09.2017	25.02.2016	(87) JP2019015079
(22) 09.03.2017	(22) 18.08.2015	14.11.2019
(54) ADAPTOR WITH IMPROVED AIRFLOW	(54) TUNING OF A KINEMATIC RELATIONSHIP BETWEEN MEMBERS	(22) 05.04.2019
(73) Cummins Generator Technologies Limited	(73) Eddy Current Limited Partnership	(54) ROTARY MACHINE CONTROL DEVICE
(72) ALI ABBAS, Haider	(72) DIEHL, Andrew Karl	(73) Mitsubishi Electric Corporation
AGRAWAL, Himanshu	ALLINGTON, Christopher James	(72) KATAGIRI, Kodai
ROLSTON, Robert Mitchell	(31) 62763014	IEZAWA, Masahiro
RILEY, Mark Jason	(32) 18.08.2014	HANIOKA, Shota
KAKADE, Abhishek	(33) New Zealand	(31) 2018089289
(31) 201604667	(51) H02M 1/08	(32) 07.05.2018
(32) 18.03.2016	H02M 1/44	(33) Japan
(33) United Kingdom	H02M 3/335	(51) H02M 7/483
(51) H02K 15/06	(11) EP3454462	(11) EP3439158
H02K 15/085	(21) EP16901111.1	(21) EP16896739.6
H02K 15/04	(47) 22.06.2022	(47) 22.06.2022
H02K 3/14	(87) RU2016000271	(87) JP2016059922
H02K 3/28	09.11.2017	05.10.2017
(11) EP3427372	(22) 04.05.2016	(22) 28.03.2016
(21) EP17711589.6	(54) METHOD FOR GENERATING A HIGH PULSE VOLTAGE IN AN INDUCTIVE LOAD	(54) POWER CONVERSION DEVICE
(47) 22.06.2022	(73) Closed-up Joint-Stock Company Drive	(73) Mitsubishi Electric Corporation
(87) EP2017055497	(72) ROMANOV, Yuriy Igorevich	(72) KITAYAMA, Masashi
14.09.2017	MALETSKIY, Stanislav Vladimirovich	UDA, Ryosuke
(22) 08.03.2017	(51) H02M 1/42	KONO, Yoshiyuki
(54) MANUFACTURING METHOD FOR A STATATOR	H02P 27/06	KURODA, Kenichi
(73) Grob-Werke GmbH & Co. KG	(11) EP3240168	HAYASHI, Shigeo
(72) SEIDEL, Korbinian	(21) EP17168312.1	(51) H02M 7/483
FENDT, Simon	(47) 22.06.2022	H02M 7/49
WEGSCHEIDER, Tobias	(22) 26.04.2017	H01L 23/04
RAUSCHER, Ralf	(54) POWER SUPPLY AND DRIVE DEVICE WITH POWER FACTOR CORRECTION FOR A PERMANENT MAGNET ELECTRIC MOTOR	H01L 23/473
WAGNER, Tobias	(73) Phase Motion Control S.p.A.	H01L 25/07
DREIER, Günter	(72) CALVINI, Marco	H01L 25/11
HAGGENMUELLER, Tobias	VENTURINI, Marco	H02M 1/32
(31) 102016107172	(31) UA20162878	(11) EP3598628
102016104235	(32) 26.04.2016	(21) EP19184037.0
(32) 18.04.2016	(33) Italy	(47) 22.06.2022
08.03.2016	(51) H02M 3/158	(22) 03.07.2019
(33) Germany	H02M 1/00	(54) SEMICONDUCTOR ASSEMBLY, CIRCUIT MODULE COMPRISING THE SEMICONDUCTOR ASSEMBLY AND MODULAR MULTILEVEL CONVERTER WITH THE CIRCUIT MODULE
Germany	(11) EP3288163	(73) Siemens Energy Global GmbH & Co. KG
(51) H02K 21/24	(21) EP17184660.3	(72) Hohmann, Fabian
H02K 7/18	(47) 22.06.2022	Schuster, Dominik
H02K 1/27	(22) 03.08.2017	Bakran, Mark-Matthias
H02K 3/04	(54) VOLTAGE CONVERTING APPARATUS AND METHOD OF CONTROLLING VOLTAGE CONVERTING APPARATUS	(31) 102018211900
F03D 9/25	(73) Samsung Electronics Co., Ltd.	(32) 17.07.2018
(11) EP3072223	(72) JUNG, Seungchul	(33) Germany
(21) EP14803205.5	(31) 20160174668	(51) H02P 6/16
(47) 22.06.2022		H02P 6/15
(87) GB2014053436		(11) EP3584924
28.05.2015		(21) EP18754104.0
(22) 20.11.2014		(47) 22.06.2022
		(87) JP2018003596

23.08.2018	Klodowski, Anthony Michael	Sayed, Ayesha
(22) 02.02.2018	Barker, Sidney Allen	Zhou, Guozhen
(54) MOTOR CONTROL DEVICE AND METHOD FOR CONTROLLING MOTOR CONTROL DEVICE	(31) 201213600730 (32) 31.08.2012 (33) United States of America	(31) 201715790512 201662425799 P (32) 23.10.2017 23.11.2016
(73) MITSUBA Corporation	(51) H02P 9/00	(33) United States of America
(72) IKEDA, Takeshi	H02P 9/42	United States of America
(31) 2017025961	(11) EP2994992	United States of America
(32) 15.02.2017	(21) EP14721906.7	(51) H02P 27/06
(33) Japan	(47) 22.06.2022	H02M 7/5387
(51) H02P 7/28	(87) EP2014059469	H02M 7/493
H02P 29/02	13.11.2014	(11) EP3759810
H02P 25/06	(22) 08.05.2014	(21) EP19745976.1
B65H 9/00	(54) DRIVE SYTSME	(47) 22.06.2022
(11) EP2624440	(73) Lenze Drives GmbH	(87) EP2019068207
(21) EP13153157.6	(72) TOLKSDORF, Andreas	30.01.2020
(47) 22.06.2022	(31) 102013208544	(22) 08.07.2019
(22) 30.01.2013	(32) 08.05.2013	(54) FREQUENCY CONVERTER WITH TEMPORARILY RELEASED RESOURCES
(54) Motor control device, image forming apparatus, motor control method, and computer-readable storage medium	(33) Germany	(73) Siemens Aktiengesellschaft
(73) Ricoh Company, Ltd.	(51) H02P 9/00	(72) KRAUSE-LEIPOLDT, Tammo
(72) Kiguchi, Hiroyuki	H02P 9/42	(31) 18185499
Seki, Takeo	(11) EP2994993	(32) 25.07.2018
Ishizuka, Natsuko	(21) EP14724391.9	(33) European Patent Office (EPO)
Murata, Takuya	(47) 22.06.2022	(51) H02P 27/06
(31) 2013005588	(87) EP2014059475	H02P 27/08
2012149598	13.11.2014	H02P 6/18
2012022861	(22) 08.05.2014	(11) EP3691112
(32) 16.01.2013	(54) DRIVE SYSTEM	(21) EP17927625.8
03.07.2012	(73) Lenze Drives GmbH	(47) 22.06.2022
06.02.2012	(72) TOLKSDORF, Andreas	(87) JP2017035558
(33) Japan	(31) 102013208552	04.04.2019
Japan	(32) 08.05.2013	(22) 29.09.2017
Japan	(33) Germany	(54) DATA OBTAINING METHOD, INVERTER, AND ROTATING ELECTRIC MACHINE
(51) H02P 8/38	(51) H02P 9/48	(73) Hitachi Industrial Equipment Systems Co., Ltd.
H02P 6/16	H02J 7/14	(72) TOMITA, Toshio
H02P 6/18	E21B 41/00	SAITO, Kenichi
(11) EP3331151	F03B 13/02	IWASE, Yuuta
(21) EP16830314.7	(11) EP3616313	SANO, Masahiro
(47) 22.06.2022	(21) EP18789932.3	(51) H02P 29/028
(87) JP2016070623	(47) 22.06.2022	H02H 7/122
02.02.2017	(87) US2018029055	H02P 27/06
(22) 13.07.2016	01.11.2018	H02P 29/032
(54) POWER CONVERSION DEVICE AND POWER CONVERSION DEVICE CONTROL METHOD	(22) 24.04.2018	H02M 1/32
(73) Hitachi Industrial Equipment Systems Co., Ltd.	(54) DOWNHOLE POWER GENERATION SYSTEM AND METHOD	(11) EP3179626
(72) TAGUCHI Yoshiyuki	(73) General Electric Company	(21) EP16194305.5
KOBAYASHI Youhei	(72) QI, Xuele	(47) 22.06.2022
IWASE Yuuta	LIAO, Yi	(22) 18.10.2016
OHASHI Hironori	MAO, Saijun	(54) ELECTRICAL DRIVE SYSTEM
(31) 2015147345	BRAZIL, Stewart, Blake	(73) J and M Ferranti Technology Limited
(32) 27.07.2015	CHEN, Yunzheng	(72) de Ferranti, James Ziani
(33) Japan	XUE, Ming	(31) 201519628
(51) H02P 9/00	(31) 201710270838	(32) 06.11.2015
H02P 9/10	(32) 24.04.2017	(33) United Kingdom
H02J 3/38	(33) China	(51) H02S 20/23
(11) EP2704309	(51) H02P 21/06	F24S 25/65
(21) EP13181279.4	G01D 5/244	F24S 25/61
(47) 22.06.2022	H02P 21/05	E04D 1/30
(22) 22.08.2013	H02P 21/18	(11) EP3480942
(54) System and method for controlling a dual-fed induction generator in response to high-voltage grid events	(11) EP3327926	(21) EP18186382.0
(73) General Electric Company	(21) EP17203155.1	(22) 30.07.2018
(72) Larsen, Einar Vaughn	(47) 22.06.2022	(54) DEVICE FOR FIXING A SOLAR PANEL TO A ROOF
	(22) 22.11.2017	
	(54) SYSTEMS AND METHODS FOR REDUCING DC-LINK OSCILLATIONS	
	(73) Purdue Research Foundation	
	Deere & Company	
	(72) Aliprantis, Dionysios	

(73) Terreal	(87) EP2016070901	(54) SYSTEMS AND METHODS FOR
(72) FREYSSINET, Jean Paul	16.03.2017	PERFORMING ANALOG-TO-DIGITAL
TAUPIAC, Albert	(22) 06.09.2016	CONVERSION ACROSS MULTIPLE,
MALE, Philippe	(54) SWITCHING DEVICE AND METHOD	SPATIALLY SEPARATED STAGES
PAILHE, Patrick	FOR SWITCHING LOADS	(73) Koninklijke Philips N.V.
YORDANOV, Krasimir	(73) KNORR-BREMSE Systeme für	(72) TOTEV, Emil, Dimitrov
(31) 1853859	Nutzfahrzeuge GmbH	OUZOUNOV, Sotir, Filipov
1760330	(72) BELLING, Michael	(31) 18164308
(32) 04.05.2018	SCHOLL, Frank	(32) 27.03.2018
02.11.2017	APPL, Johannes	(33) European Patent Office (EPO)
(33) France	(31) 102015115280	(51) H03M 7/30
France	(32) 10.09.2015	(11) EP3879707
(51) H03F 1/32	(33) Germany	(21) EP21156470.3
H03F 3/19	(51) H03K 17/687	(47) 22.06.2022
H03F 3/217	H03K 17/06	(22) 27.05.2015
(11) EP3672069	(11) EP3641134	(54) METHOD AND DEVICE FOR
(21) EP18306791.7	(21) EP17916875.2	COMPRESSING FLOW DATA
(47) 22.06.2022	(47) 22.06.2022	(73) HUAWEI TECHNOLOGIES CO., LTD.
(22) 21.12.2018	(87) JP2017024359	(72) LUO, Ge
(54) A POWER AMPLIFIER AND METHOD	10.01.2019	FAN, Wei
OF OPERATING A POWER AMPLIFIER	(22) 03.07.2017	LI, Zhenguo
(73) NXP B.V.	(54) HIGH FREQUENCY SWITCH	YI, Ke
(72) AL-KADI, Ghiath	(73) Mitsubishi Electric Corporation	HE, Cheng
ODDOART, Ludovic	(72) SHIMOZAWA, Mitsuhiro	(31) 201410653071
NEFFE, Ulrich	FUJIWARA, Takanobu	(32) 17.11.2014
MERLIN, Erich	(51) H03K 17/96	(33) China
(51) H03F 1/34	(11) EP3627704	(51) H03M 13/11
(11) EP3503386	(21) EP19198051.5	H03M 13/25
(21) EP17209753.7	(47) 22.06.2022	H03M 13/27
(47) 22.06.2022	(22) 18.09.2019	H03M 13/29
(22) 21.12.2017	(54) ZERO-POWER WAKE-UP SENSING	H03M 13/35
(54) RADIO FREQUENCY AMPLIFIER AND	CIRCUIT IN PIEZOELECTRIC HAPTIC	H04L 1/00
INTEGRATED CIRCUIT USING THE	FEEDBACK	(11) EP2993792
RADIO FREQUENCY AMPLIFIER	(73) Boréas Technologies Inc.	(21) EP14791625.8
(73) National Chung Shan Institute of Science	(72) RENAUD, Martin	(47) 22.06.2022
and Technology	CHAPUT, Simon	(87) JP2014061153
(72) Liang, Chia-Jen	(31) 201816136347	06.11.2014
Chiang, Ching-Wen	(32) 20.09.2018	(22) 21.04.2014
Chou, Hung-Ting	(33) United States of America	(54) LDPC CODED MODULATION IN
Kuan, Yen-Cheng	(51) H03L 7/113	COMBINATION WITH 8PSK AND
(51) H03H 17/02	H03L 7/187	16APSK
G05B 19/18	(11) EP3468041	(73) Saturn Licensing LLC
(11) EP3314761	(21) EP18201840.8	(72) SHINOHARA Yuji
(21) EP16751567.5	(47) 22.06.2022	YAMAMOTO Makiko
(47) 22.06.2022	(22) 09.03.2006	MICHAEL Lachlan
(87) EP2016068944	(54) METHOD OF OPERATING A PHASE	HIRAYAMA Yuichi
16.02.2017	LOCKED LOOP AND PHASE LOCKED	MUHAMMAD Nabil Sven Loghin
(22) 09.08.2016	LOOP	(31) 2013096993
(54) FILTER SWITCHING METHOD FOR A	(73) Nokia Technologies Oy	(32) 02.05.2013
MACHINE CONTROL	(72) Salonen, Vesa	(33) Japan
(73) Siemens Aktiengesellschaft	Vilhonen, Sami	(51) H04B 1/3822
(72) GEISSDÖRFER, Klaus	(31) 102936	H04B 1/40
SCHÄFFERS, Elmar	(32) 23.03.2005	H04W 4/40
REICHEL, Theo	(33) United States of America	(11) EP3912274
HAMM, Carsten	(51) H03M 3/00	(21) EP20713569.0
SCHÜR, Torsten	G06F 7/60	(47) 22.06.2022
(31) 15180564	G06F 13/40	(87) EP2020057734
(32) 11.08.2015	H04B 14/02	22.10.2020
(33) European Patent Office (EPO)	H03M 1/12	(22) 20.03.2020
(51) H03K 17/687	G01N 29/24	(54) ANTENNA DEVICE FOR
B60R 16/02	H04B 14/06	TRANSMITTING HIGH-FREQUENCY
F02D 41/20	(11) EP3776864	SIGNALS FROM OR TO A MOTOR
B60T 8/88	(21) EP19711948.0	VEHICLE, AND MOTOR VEHICLE
H01F 7/18	(47) 22.06.2022	COMPRISING AN ANTENNA DEVICE
H03K 17/16	(87) EP2019057582	(73) AUDI AG
(11) EP3347988	03.10.2019	(72) REICHARDT, Lars
(21) EP16760508.8	(22) 26.03.2019	VOLNHALS, Stefan
(47) 22.06.2022		(31) 102019205406

(32) 15.04.2019	H04B 10/112	(11) EP2567470
(33) Germany	(11) EP3691151	(21) EP11721866.9
(51) H04B 1/48	(21) EP18859101.0	(47) 22.06.2022
H04B 1/525	(47) 22.06.2022	(87) US2011035071
(11) EP3646471	(87) JP2018035538	10.11.2011
(21) EP18732547.7	28.03.2019	(22) 03.05.2011
(47) 22.06.2022	(22) 25.09.2018	(54) UE BASED CONDITIONAL ENABLING
(87) US2018034763	(54) WIRELESS COMMUNICATION DEVICE	OF ULTD
03.01.2019	AND WIRELESS COMMUNICATION	(73) Qualcomm Incorporated
(22) 25.05.2018	METHOD	(72) AGARWAL, Ravi
(54) SYSTEMS AND METHODS FOR	(73) Nippon Telegraph and Telephone	SAMBHWANI, Sharad Deepak
REDUCING TRANSMIT AND RECEIVE	Corporation	HOU, Jilei
POWER VIA A T/R SWITCH	(72) FUKUMOTO, Hiroyuki	FILIPOVIC, Daniel Fred
(73) QUALCOMM Incorporated	LEE, Doohwan	ZHANG, Chengjin
(72) PATIL, Pravin	SASAKI, Hirofumi	MOHANTY, Bibhu Prasad
DENG, Xiao	SHIBA, Hiroyuki	KAPOOR, Rohit
MOFIDI, Mahbod	(31) 2017183845	(31) 330870 P
PENNISI, Salvatore	(32) 25.09.2017	201113098231
(31) 201715791699	(33) Japan	(32) 03.05.2010
201762526106 P	(51) H04B 7/0456	29.04.2011
(32) 24.10.2017	H04L 27/26	(33) United States of America
28.06.2017	(11) EP3691152	United States of America
(33) United States of America	(21) EP18859374.3	(51) H04B 7/06
United States of America	(47) 22.06.2022	(11) EP3788727
(51) H04B 1/7073	(87) JP2018035534	(21) EP19722972.7
(11) EP3580854	28.03.2019	(47) 22.06.2022
(21) EP18783782.8	(22) 25.09.2018	(87) US2019025708
(47) 22.06.2022	(54) OAM MULTIPLEXING	07.11.2019
(87) CN2018082785	COMMUNICATION SYSTEM, OAM	(22) 04.04.2019
18.10.2018	MULTIPLEXING TRANSMISSION	(54) DYNAMIC BEAM-SWITCHING
(22) 12.04.2018	DEVICE, OAM MULTIPLEXING	LATENCY FOR BEAM REFINEMENT
(54) SYSTEM AND METHOD FOR BEAM	RECEIVING DEVICE, AND OAM	PROCEDURES
INDEXING REFERENCE SIGNAL	MULTIPLEXING COMMUNICATION	(73) QUALCOMM INCORPORATED
DESIGN FOR INITIAL ACCESS	METHOD	(72) NAM, Wooseok
(73) Huawei Technologies Co., Ltd.	(73) Nippon Telegraph And Telephone	ZHOU, Yan
(72) GHANBARINEJAD, Majid	Corporation	LUO, Tao
XIAO, Weimin	(72) FUKUMOTO, Hiroyuki	(31) 201916272327
CHENG, Qian	SASAKI, Hirofumi	201862666996 P
LIU, Jialing	LEE, Doohwan	(32) 11.02.2019
(31) 201715486551	SHIBA, Hiroyuki	04.05.2018
(32) 13.04.2017	(31) 2017183848	(33) United States of America
(33) United States of America	(32) 25.09.2017	United States of America
(51) H04B 3/02	(33) Japan	(51) H04B 7/06
H04B 3/32	(51) H04B 7/0456	H04B 7/04
H04M 11/06	H04L 27/26	H04L 5/00
(11) EP3629485	(11) EP3691153	H04L 1/00
(21) EP18197324.9	(21) EP18859911.2	H04W 72/00
(47) 22.06.2022	(47) 22.06.2022	(11) EP3582431
(22) 27.09.2018	(87) JP2018035537	(21) EP18770794.8
(54) RATE STEERING ON VECTORED	28.03.2019	(47) 22.06.2022
COMMUNICATION LINES	(22) 25.09.2018	(87) CN2018079779
(73) Nokia Solutions and Networks Oy	(54) OAM MULTIPLEXING	27.09.2018
(72) TSIAFLAKIS, Paschalis	COMMUNICATION SYSTEM AND OAM	(22) 21.03.2018
(51) H04B 3/20	MULTIPLEXING COMMUNICATION	(54) RESOURCE PROCESSING METHOD
H04L 5/00	METHOD	AND APPARATUS
H04L 5/14	(73) Nippon Telegraph And Telephone	(73) Huawei Technologies Co., Ltd.
H04L 5/22	Corporation	(72) GUAN, Peng
(11) EP3547554	(72) FUKUMOTO, Hiroyuki	TANG, Xiaoyong
(21) EP18164936.9	LEE, Doohwan	CHEN, Lei
(47) 22.06.2022	SASAKI, Hirofumi	(31) 201710184796
(22) 29.03.2018	SHIBA, Hiroyuki	(32) 24.03.2017
(54) FULL DUPLEX CABLE	(31) 2017183844	(33) China
COMMUNICATION	2017183842	(51) H04B 7/06
(73) VECIMA NETWORKS INC.	(32) 25.09.2017	H04B 7/08
(72) Coomans, Werner	25.09.2017	(11) EP3619823
Coldren, Rex	(33) Japan	(21) EP18711422.8
(51) H04B 7/0456	Japan	(47) 22.06.2022
	(51) H04B 7/06	(87) SE2018050186

08.11.2018	(73) Cambium Networks Ltd	(72) WADE, Mark, Taylor
(22) 27.02.2018	(72) STRONG, Peter	WRIGHT, Alexandra, Carroll
(54) USER EQUIPMENT, BASE STATION AND METHODS IN A RADIO COMMUNICATIONS NETWORK	(31) 201518778	RAM, Rajeev
(73) Telefonaktiebolaget LM Ericsson (publ.)	201615074767	POPOVIC, Milos
(72) DA SILVA, Icaro L. J.	(32) 23.10.2015	STOJANOVIC, Vladimir
TIDESTAV, Claes	18.03.2016	SUN, Chen
(31) 201762501823 P	(33) United Kingdom	(31) 201615277968
(32) 05.05.2017	United States of America	201562236384 P
(33) United States of America	(51) H04B 7/185	(32) 27.09.2016
(51) H04B 7/06	H04B 7/204	02.10.2015
H04B 7/08	(11) EP3429096	(33) United States of America
H04L 5/00	(21) EP18175861.6	United States of America
H04W 72/04	(47) 22.06.2022	(51) H04B 15/02
(11) EP3692762	(22) 03.02.2011	H04B 17/345
(21) EP18872457.9	(54) FLEXIBLE COVERAGE AREAS FOR FORWARD LINK SIGNALS IN A SPOT BEAM SATELLITE COMMUNICATION SYSTEM	H04W 24/00
(47) 22.06.2022	(73) ViaSat Inc.	H04W 16/24
(87) CN2018112275	(72) Miller, Mark J.	H04L 1/00
09.05.2019	(31) 201113019841	H04J 11/00
(22) 27.10.2018	201113019842	H04L 5/00
(54) SYSTEM AND METHOD FOR INDICATING WIRELESS CHANNEL STATUS	30116410 P	H04W 24/02
(73) Huawei Technologies Co., Ltd.	(32) 02.02.2011	H04B 17/318
(72) KWON, YoungHoon	02.02.2011	(11) EP3264640
XIA, Pengfei	03.02.2010	(21) EP15883409.3
LIU, Bin	(33) United States of America	(47) 22.06.2022
(31) 201815987220	United States of America	(87) KR2015001686
201762581293 P	United States of America	01.09.2016
(32) 23.05.2018	(51) H04B 10/25	(22) 23.02.2015
03.11.2017	H04B 10/40	(54) LINK ADAPTATION METHOD IN WIRELESS COMMUNICATION SYSTEM EMPLOYING INTER-CELL INTERFERENCE RANDOMIZATION TECHNIQUE
(33) United States of America	H04B 10/61	(73) LG Electronics Inc.
United States of America	H04B 10/63	(72) KO, Hyunsoo
(51) H04B 7/06	H04J 14/06	CHO, Heejeong
H04B 7/08	(11) EP3679661	PARK, Kungmin
H04W 16/28	(21) EP18774142.6	BYUN, Ilmu
H04B 7/022	(47) 22.06.2022	(51) H04H 60/73
H04W 64/00	(87) IB2018056754	(11) EP3913822
(11) EP3619824	14.03.2019	(21) EP21185149.8
(21) EP18715455.4	(22) 04.09.2018	(47) 22.06.2022
(47) 22.06.2022	(54) A DSP-FREE 'COHERENT LITE' TRANSCEIVER FOR NEXT GENERATION 1 LAMBDA x 400G 10KM OPTICAL INTRA-DATACENTER INTERCONNECTS	(22) 15.10.2012
(87) US2018023203	(73) Telefonaktiebolaget LM Ericsson (publ)	(54) METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING MULTIMEDIA SERVICE
08.11.2018	(72) PLANT, David V.	(73) Samsung Electronics Co., Ltd.
(22) 20.03.2018	HOANG, Thang	University Of Seoul Industry Cooperation Foundation
(54) AREA CALIBRATION AND BEAMFORMING REFINEMENT	MORSY-OSMAN, Mohamed	(72) PARK, Kyung-Mo
(73) QUALCOMM Incorporated	SOWAILEM, Mohammed	RHYU, Sung-Ryeul
(72) LI, Junyi	LESSARD, Stephane	KIM, Yong-Han
SAMPATH, Ashwin	EL-FIKY, Eslam	HWANG, Sung-Oh
KOYMEN, Ozge	(31) 201762554267 P	(31) 20110404619
(31) 201815925020	(32) 05.09.2017	201261671923 P
201762501593 P	(33) United States of America	(32) 13.10.2011
(32) 19.03.2018	(51) H04B 10/40	16.07.2012
04.05.2017	H04J 14/02	(33) Korea (Republic)
(33) United States of America	H04B 10/50	United States of America
United States of America	(11) EP3342071	(51) H04J 3/10
(51) H04B 7/06	(21) EP16782166.9	(11) EP3241294
H04B 17/11	(47) 22.06.2022	(21) EP15828467.9
H04L 27/26	(87) US2016055063	(47) 22.06.2022
H04B 17/10	06.04.2017	(87) US2015068240
(11) EP3873000	(22) 30.09.2016	07.07.2016
(21) EP20212518.3	(54) MULTI-WAVELENGTH LASER SYSTEM FOR OPTICAL DATA COMMUNICATION LINKS AND ASSOCIATED METHODS	(22) 31.12.2015
(47) 22.06.2022	(73) Ayar Labs, Inc.	(54) COMMUNICATIONS SIGNAL ISOLATION ON MULTI-PORT DEVICE
(22) 21.10.2016		(73) DISH Technologies L.L.C.
(54) METHOD AND APPARATUS FOR CONTROLLING EQUIVALENT ISOTROPIC RADIATED POWER		

(72) CHESSHER, Brett	201762609212 P	(54) COMPUTER IMPLEMENTED
(31) 201462098980 P	(32) 13.12.2018	METHODS FOR CODING AND
(32) 31.12.2014	21.12.2017	DECODING
(33) United States of America	(33) United States of America	(73) Huawei Technologies Co., Ltd.
(51) H04J 11/00	United States of America	(72) ZHANG, Gongzheng
H04L 5/00	(51) H04J 14/00	LI, Rong
H04L 27/26	H04J 14/02	ZHANG, Huazi
(11) EP3766196	H04B 10/2507	HUANG, Lingchen
(21) EP18711529.0	(11) EP3491754	DAI, Shengchen
(47) 22.06.2022	(21) EP16914845.9	(31) 201710339409
(87) EP2018056255	(47) 22.06.2022	(32) 15.05.2017
19.09.2019	(87) CN2016105110	(33) China
(22) 13.03.2018	08.03.2018	(51) H04L 1/00
(54) TRANSMITTING AN AMPLITUDE SHIFT	(22) 08.11.2016	H04L 1/16
KEYING SIGNAL CONCURRENTLY	(54) METHOD AND SYSTEM FOR	(11) EP3576329
WITH AN OFDM TRANSMISSION	CONTROLLING SPECTRAL	(21) EP18778236.2
(73) TELEFONAKTIEBOLAGET LM	OCCUPANCY	(47) 22.06.2022
ERICSSON (PUBL)	(73) Huawei Technologies Co., Ltd.	(87) CN2018080506
(72) WILHELMSSON, Leif	(72) MEHRVAR, Hamid	04.10.2018
LOPEZ, Miguel	JANZ, Christopher	(22) 26.03.2018
SUNDMAN, Dennis	MANSOURI RAD, Mohammad Mehdi	(54) COMMUNICATION METHOD AND
(51) H04J 11/00	(31) 201615249784	DEVICE
H04L 5/00	(32) 29.08.2016	(73) Huawei Technologies Co., Ltd.
H04L 27/26	(33) United States of America	(72) LIU, Jing
H04W 52/02	(51) H04J 14/02	WANG, Tingting
H04W 4/70	(11) EP3804184	HUA, Cunqing
H04B 7/0417	(21) EP20742554.7	(31) 201710209278
H04B 7/0456	(47) 22.06.2022	(32) 31.03.2017
H04B 7/06	(87) US2020039510	(33) China
H04L 65/611	14.01.2021	(51) H04L 1/00
H04W 36/14	(22) 25.06.2020	H04L 1/16
H04W 88/06	(54) PARTIAL ACTIVATION OF A MEDIA	H04L 1/18
(11) EP3416300	CHANNEL ON CHANNEL HOLDER-	(11) EP3614595
(21) EP18180233.1	BASED OPTICAL LINKS	(21) EP19188004.6
(47) 22.06.2022	(73) Ciena Corporation	(47) 22.06.2022
(22) 28.09.2011	(72) KOVACEVIC, RADMILA	(22) 28.01.2008
(54) SYSTEM AND METHOD OF	AL-SAYEED, CHOUDHURY A.	(54) A METHOD AND A DEVICE FOR
RANK ADAPTATION IN MIMO	CHEN, EDWARD	IMPROVED STATUS REPORTS
COMMUNICATION SYSTEM	(31) 201916508392	(73) Telefonaktiebolaget LM Ericsson (publ)
(73) Apple Inc.	(32) 11.07.2019	(72) Meyer, Michael
(72) NIU, Huaning	(33) United States of America	Wiemann, Henning
LI, Qinghua	(51) H04L 1/00	Torsner, Johan
CHEN, Xiaogang	(11) EP3566347	(31) 983633 P
ZHU, Yuan	(21) EP17890316.7	PCT/EP2007/050994
(31) 201161481024 P	(47) 22.06.2022	(32) 30.10.2007
(32) 29.04.2011	(87) CN2017090893	01.02.2007
(33) United States of America	12.07.2018	(33) United States of America
(51) H04J 11/00	(22) 29.06.2017	World Intellectual Property Office (WIPO)
H04W 52/14	(54) WIRELESS COMMUNICATION WITH	(51) H04L 1/00
H04L 5/00	POLAR CODES USING A MASK	H04L 1/18
H04W 52/36	SEQUENCE FOR FROZEN BITS	(11) EP3364580
H04W 52/34	(73) QUALCOMM Incorporated	(21) EP17305183.0
H04L 1/00	(72) WEI, Chao	(47) 22.06.2022
(11) EP3729707	JIANG, Jing	(22) 17.02.2017
(21) EP18836311.3	WU, Gaojin	(54) TRANSMISSION OF REDUNDANCY
(47) 22.06.2022	(31) PCT/CN2017/070234	DATA IN A HYBRID NETWORK
(87) US2018066056	(32) 05.01.2017	SYSTEM
27.06.2019	(33) World Intellectual Property Office (WIPO)	(73) TDF
(22) 17.12.2018	(51) H04L 1/00	(72) ILSSEN, Stefan
(54) CONTROL MONITORING AND	H03M 13/13	ROTHER, Daniel
POWER CONTROL FOR MULTI-LINK	(11) EP3637648	RICHTER, Lucca
DEPLOYMENTS	(21) EP18802674.4	SCHRIEBER, Fabian
(73) QUALCOMM Incorporated	(47) 22.06.2022	JURETZEK, Frieder
(72) WANG, Xiao Feng	(87) CN2018086796	(51) H04L 1/00
LUO, Tao	22.11.2018	H04L 5/00
JOHN WILSON, Makesh Pravin	(22) 15.05.2018	H04L 27/36
ZHANG, Xiaoxia		H04L 1/16
(31) 201816218737		(11) EP3386131

(21) EP18152686.4	GUPTA, Pankaj	BASED ON QOS REQUIREMENTS,
(47) 22.06.2022	IYER, Ashish Shankar	THROUGHPUT AND TRAFFIC
(22) 20.02.2013	VASANTHASENAN, KrishnaKumar	(73) Qualcomm Incorporated
(54) INFORMATION TRANSMISSION	PASUNOORU, Naveen Kumar	Gupta, Ajay
METHOD AND DEVICE	ANNAM, Raevanth Venkat	(72) GUPTA, Ajay
(73) HUAWEI TECHNOLOGIES CO., LTD.	MOHAN, Prashanth	JAIN, Vikas
(72) YANG, Jianbing	(31) 201816180748	SONG, Osok
CHENG, Xingqing	201762583264 P	BARBIERI, Alan
WAN, Lei	(32) 05.11.2018	(31) 201213372303
LI, Yang	08.11.2017	201161442670 P
(31) 201210054842	(33) United States of America	(32) 13.02.2012
(32) 02.03.2012	United States of America	14.02.2011
(33) China	(51) H04L 1/18	(33) United States of America
(51) H04L 1/08	H04L 5/00	United States of America
H04L 1/18	(11) EP2807776	(51) H04L 5/00
(11) EP3900243	(21) EP13704292.5	(11) EP3577831
(21) EP21700161.9	(47) 22.06.2022	(21) EP18705988.6
(47) 22.06.2022	(87) US2013022916	(47) 22.06.2022
(87) EP2021050040	01.08.2013	(87) IB2018050739
22.07.2021	(22) 24.01.2013	09.08.2018
(22) 05.01.2021	(54) SYSTEMS AND METHODS FOR	(22) 06.02.2018
(54) HARQ RTT TIMER ADJUSTMENT FOR	IMPROVED UPLINK COVERAGE	(54) DATA TRANSMISSIONS IN CONTROL
MULTI-TB SCHEDULING	(73) Interdigital Patent Holdings, Inc.	REGIONS
(73) Telefonaktiebolaget LM Ericsson (publ)	(72) PANI, Diana	(73) Telefonaktiebolaget LM Ericsson (publ)
(72) TIRRONEN, Tuomas	RUDOLF, Marian	(72) FARONIUS, Carola
RATILAINEN, Antti	MARINIER, Paul	KOORAPATY, Havish
(31) 202062962372 P	PELLETIER, Ghyslain	BALDEMAIR, Robert
(32) 17.01.2020	FAZILI, Muhammad, U.	OVESJÖ, Fredrik
(33) United States of America	CAVE, Christopher	CHENG, Jung-Fu
(51) H04L 1/16	IYER, Lakshmi, R.	PARKVALL, Stefan
H04L 1/00	(31) 201261611972 P	FALAHATI, Sorour
(11) EP3619854	201261611799 P	SKÄRBY, Christian
(21) EP17727630.0	201261590292 P	(31) 201762455508 P
(47) 22.06.2022	(32) 16.03.2012	(32) 06.02.2017
(87) FI2017050335	16.03.2012	(33) United States of America
08.11.2018	24.01.2012	(51) H04L 5/00
(22) 02.05.2017	(33) United States of America	(11) EP3646509
(54) ELIMINATION OF LATENCY IN A	United States of America	(21) EP18735071.5
COMMUNICATION CHANNEL	United States of America	(47) 22.06.2022
(73) Airo Finland Oy	(51) H04L 1/18	(87) US2018036513
(72) ROUVINEN, Jarmo Tapio	H04W 72/14	03.01.2019
(51) H04L 1/16	H04W 76/28	(22) 07.06.2018
H04L 1/18	(11) EP3731578	(54) TECHNIQUES FOR ORTHOGONAL
H04L 1/20	(21) EP17931938.9	DEMODULATION REFERENCE
H04L 5/00	(47) 22.06.2022	SIGNALS
(11) EP3582421	(87) CN2017111371	(73) QUALCOMM Incorporated
(21) EP17897902.7	23.05.2019	(72) SUN, Jing
(47) 22.06.2022	(22) 16.11.2017	JIANG, Jing
(87) CN2017074832	(54) STARTING THE UPLINK HARQ RTT	LEE, Heechoon
30.08.2018	TIMER BY A TERMINAL DEVICE	(31) 201816001291
(22) 24.02.2017	(73) GUANGDONG OPPO MOBILE	201762525066 P
(54) METHOD FOR TRANSMITTING	TELECOMMUNICATIONS CORP., LTD.	(32) 06.06.2018
FEEDBACK INFORMATION, TERMINAL	(72) TANG, Hai	26.06.2017
DEVICE AND NETWORK DEVICE	(51) H04L 1/20	(33) United States of America
(73) GUANGDONG OPPO MOBILE	H04W 72/00	United States of America
TELECOMMUNICATIONS CORP., LTD.	H04W 72/04	(51) H04L 5/00
(72) LIN, Yanan	H04W 92/20	(11) EP3605935
(51) H04L 1/18	H04W 24/02	(21) EP18879587.6
(11) EP3707845	H04W 72/08	(47) 22.06.2022
(21) EP18804900.1	(11) EP2676511	(87) CN2018115602
(47) 22.06.2022	(21) EP12705941.8	23.05.2019
(87) US2018059425	(47) 22.06.2022	(22) 15.11.2018
16.05.2019	(87) US2012025056	(54) COMMUNICATION METHOD AND
(22) 06.11.2018	23.08.2012	APPARATUS
(54) ENHANCED INTERNET OF THINGS	(22) 14.02.2012	(73) Huawei Technologies Co., Ltd.
RELAY DATA RE-TRANSMISSION	(54) METHODS AND APPARATUS	(72) LI, You
(73) QUALCOMM Incorporated	FOR EVALUATING NUMBER OF	GUAN, Peng
(72) RAJAGOPALAN, Srinivasan	PROTECTED ACTIVE USERS	(31) 201810480678

201711147082	(22) 18.09.2019	(73) GUANGDONG OPPO MOBILE
(32) 18.05.2018	(54) MULTI-STEP REFERENCE SIGNAL	TELECOMMUNICATIONS CORP., LTD.
17.11.2017	CONFIGURATION AND DETECTION	(72) CHEN, Wenhong
(33) China	FOR INTERFERENCE MANAGEMENT	<hr/>
China	(73) QUALCOMM INCORPORATED	(51) H04L 9/08
(51) H04L 5/00	(72) HUANG, Yi	(11) EP3735758
(11) EP3536093	CHEN, Wanshi	(21) EP18703011.9
(21) EP17798012.5	XU, Huilin	(47) 22.06.2022
(47) 22.06.2022	(31) 201916573093	(87) EP2018052698
(87) SE2017051102	201862738967 P	08.08.2019
11.05.2018	(32) 17.09.2019	(22) 02.02.2018
(22) 03.11.2017	28.09.2018	(54) TRANSMITTER AND RECEIVER FOR
(54) ENHANCEMENTS TO MOBILITY	(33) United States of America	TRANSMITTING AND RECEIVING
REFERENCE SIGNALS FOR RADIO	United States of America	A QUANTUM KEY USING A PILOT
LINK MONITORING IN A BEAM-BASED	<hr/>	SIGNAL
SYSTEM	(51) H04L 5/00	(73) Huawei Technologies Duesseldorf GmbH
(73) Telefonaktiebolaget LM Ericsson (publ)	H04L 27/26	(72) HILLERKUSS, David
(72) RAMACHANDRA, Pradeepa	(11) EP3316511	WANG, Dawei
UGURLU, Umut	(21) EP17199174.8	HUMER, Gerhard
FAN, Rui	(47) 22.06.2022	<hr/>
DA SILVA, Icaro L. J.	(22) 30.10.2017	(51) H04L 9/08
TIDESTAV, Claes	(54) SUBFRAME ALIGNMENT OF	(11) EP3891925
(31) PCT/CN2016/104689	SYNCHRONIZATION CHANNEL	(21) EP19809507.7
(32) 04.11.2016	AND PBCH WITH DIFFERENT	(47) 22.06.2022
(33) World Intellectual Property Office (WIPO)	NUMEROLOGIES	(87) EP2019083390
(51) H04L 5/00	(73) Nanchang Coolpad Intelligent	11.06.2020
(11) EP3729705	Technology Company Limited	(22) 03.12.2019
(21) EP18826474.1	(72) Li, Mingju	(54) A COMPUTATION DEVICE USING
(47) 22.06.2022	Zhu, Yajun	SHARED SHARES
(87) US2018064312	Zhang, Yunfei	(73) Koninklijke Philips N.V.
27.06.2019	(31) 201610972795	(72) DE HOOGH, Sebastiaan, Jacobus,
(22) 06.12.2018	(32) 28.10.2016	Antonius
(54) MULTI-SLOT SLOT FORMAT	(33) China	RIETMAN, Ronald
INDICATOR (SFI) EXTENSIONS	<hr/>	(31) 18211183
(73) QUALCOMM Incorporated	(51) H04L 5/00	(32) 07.12.2018
(72) ZHANG, Xiaoxia	H04L 27/26	(33) European Patent Office (EPO)
LEE, Heechoon	H04W 56/00	<hr/>
SUN, Jing	H04W 72/04	(51) H04L 9/12
(31) 201816210889	H04J 3/06	H04B 10/63
201862654264 P	(11) EP3713142	H04L 9/08
201762609517 P	(21) EP18893650.4	H04B 10/70
(32) 05.12.2018	(47) 22.06.2022	H04B 10/61
06.04.2018	(87) CN2018122856	(11) EP3425844
22.12.2017	04.07.2019	(21) EP17769238.1
(33) United States of America	(22) 21.12.2018	(47) 22.06.2022
United States of America	(54) TRS SEGMENT TRANSMISSION	(87) CN2017072565
United States of America	METHOD AND DEVICE	28.09.2017
<hr/>	(73) HUAWEI TECHNOLOGIES CO., LTD.	(22) 25.01.2017
(51) H04L 5/00	(72) ZHANG, Jiayin	(54) QUANTUM SIGNAL DETECTION
H04B 3/32	JIA, Qiong	METHOD AND QUANTUM SIGNAL
(11) EP3713143	ZHU, Jun	DETECTION APPARATUS
(21) EP19164744.5	LIU, Yang	(73) Huawei Technologies Co., Ltd.
(47) 22.06.2022	(31) 201711472881	(72) SU, Changzheng
(22) 22.03.2019	(32) 29.12.2017	ZOU, Yang
(54) COMMUNICATION LINE GROUPING	(33) China	(31) 201610177076
(73) Nokia Solutions and Networks Oy	<hr/>	(32) 25.03.2016
(72) TSIAFLAKIS, Paschalis	(51) H04L 5/00	(33) China
COOMANS, Werner	H04W 72/14	<hr/>
MAES, Jochen	H04L 1/00	(51) H04L 9/32
<hr/>	H04B 7/00	H04L 9/08
(51) H04L 5/00	H04W 52/02	(11) EP3643000
H04L 5/14	(11) EP3624535	(21) EP18737988.8
H04W 72/08	(21) EP17916124.5	(47) 22.06.2022
H04L 27/26	(47) 22.06.2022	(87) IB2018054202
H04J 11/00	(87) CN2017090809	27.12.2018
(11) EP3857787	03.01.2019	(22) 11.06.2018
(21) EP19779710.3	(22) 29.06.2017	(54) COMPUTER-IMPLEMENTED SYSTEM
(47) 22.06.2022	(54) METHOD, TERMINAL DEVICE	AND METHOD FOR TIME RELEASE
(87) US2019051717	AND NETWORK DEVICE FOR	ENCRYPTION OVER A BLOCKCHAIN
02.04.2020	TRANSMITTING AND RECEIVING	NETWORK
	SIGNALS	(73) Nchain Holdings Limited
		(72) WRIGHT, Craig Steven

TREVETHAN, Thomas	(33) United States of America	(21) EP18717031.1
(31) 201709760	United States of America	(47) 22.06.2022
(32) 19.06.2017	(51) H04L 12/14	(87) EP2018059100
(33) United Kingdom	H04L 12/64	01.11.2018
(51) H04L 9/32	H04L 12/66	(22) 10.04.2018
H04L 9/40	(11) EP3567800	(54) METHOD FOR OPERATING A FIELD
G06F 8/30	(21) EP18213249.8	DEVICE
G06F 8/40	(47) 22.06.2022	(73) Endress+Hauser Process Solutions AG
G06F 21/12	(22) 06.05.2011	(72) BÜNZLI WURZER, Jürg
G06F 21/54	(54) METHOD, SYSTEM AND GATEWAY	MAYER, Michael
(11) EP3440817	FOR CHARGING FOR DATA SERVICE	(31) 102017109030
(21) EP17717868.8	(73) Huawei Technologies Co., Ltd.	(32) 27.04.2017
(47) 22.06.2022	(72) CHAI, Xiaoqian	(33) Germany
(87) IB2017051959	(51) H04L 12/14	(51) H04L 12/28
12.10.2017	H04L 45/24	H04L 67/125
(22) 05.04.2017	H04L 47/41	H04W 12/06
(54) AUTOMATED SECURITY POLICY	H04M 15/00	H04W 4/00
GENERATION FOR CONTROLLERS	H04W 28/02	F24F 11/58
(73) Karamba Security	H04W 4/24	F24F 11/62
(72) BARZILAI, David	H04W 76/15	G07C 9/00
HAREL, Assaf	H04W 24/10	F24F 11/30
DOTAN, Amiram	(11) EP3761681	(11) EP3531664
DAVID, Tal Efraim Ben	(21) EP19760311.1	(21) EP17764310.3
(31) 201662346896 P	(47) 22.06.2022	(47) 22.06.2022
201662319178 P	(87) CN2019082404	(87) CN2017093041
(32) 07.06.2016	06.09.2019	26.04.2018
06.04.2016	(22) 12.04.2019	(22) 14.07.2017
(33) United States of America	(54) MULTI-CONNECTION DATA AMOUNT	(54) METHOD, DEVICE, AND SERVER FOR
United States of America	REPORTING METHOD	UNLOCKING AIR CONDITIONING UNIT
(51) H04L 9/40	(73) HUAWAI TECHNOLOGIES CO., LTD.	(73) Midea Group Co., Ltd.
G06F 21/32	(72) HAN, Feng	GD Midea Heating & Ventilating
(11) EP3792794	TAN, Wei	Equipment Co., Ltd.
(21) EP20191876.0	JIN, Yinghao	(72) BU, Qihui
(47) 22.06.2022	QIU, Liwei	LIANG, Boqi
(22) 20.08.2020	(31) 201810175316	LI, Hongwei
(54) FINGERPRINT DETECTION DEVICE	(32) 02.03.2018	WU, Xiaohong
(73) Bundesdruckerei GmbH	(33) China	DONG, Shilong
(72) MORIGNER, Frank	(51) H04L 12/28	XU, Yongfeng
KRAUS, Micha	(11) EP2319206	(31) 201610916843
TIETKE, Markus	(21) EP09806884.4	(32) 20.10.2016
BÖSCH, Christoph	(47) 22.06.2022	(33) China
BASTIAN, Paul	(87) KR2009004572	(51) H04L 12/28
(31) 102019124270	18.02.2010	H04Q 9/00
(32) 10.09.2019	(22) 14.08.2009	(11) EP2728804
(33) Germany	(54) SYSTEM AND METHOD FOR	(21) EP13190625.7
(51) H04L 9/40	TRANSMITTING AND RECEIVING A	(47) 22.06.2022
H04W 4/02	CALL ON A HOME NETWORK	(22) 29.10.2013
H04W 12/128	(73) Samsung Electronics Co., Ltd.	(54) Systems and Methods for Routing Home
G06F 21/55	(72) JUNG, Dong-Shin	Area Network (LAN) Messages
G06F 21/56	FENG, Fei Fei	(73) Aclara Meters LLC
(11) EP3440818	HAN, Se-Hee	(72) Sampson, David
(21) EP17717869.6	LEE, Joo-Yeol	Jhang, Hyoung
(47) 22.06.2022	MAENG, Je-Young	Mckeown, Jeremy
(87) IB2017051965	(31) 20090029142	(31) 201213670285
12.10.2017	20080080192	(32) 06.11.2012
(22) 05.04.2017	(32) 03.04.2009	(33) United States of America
(54) REPORTING AND PROCESSING	14.08.2008	(51) H04L 12/40
CONTROLLER SECURITY	(33) Korea (Republic)	(11) EP3665869
INFORMATION	Korea (Republic)	(21) EP18745549.8
(73) Karamba Security	(51) H04L 12/28	(47) 22.06.2022
(72) DAVID, Tal Efraim Ben	G06F 9/445	(87) EP2018069672
HAREL, Assaf	G06F 9/451	14.02.2019
BARZILAI, David	G05B 19/418	(22) 19.07.2018
DOTAN, Amiram	H04L 12/40	(54) TRANSCEIVER FOR A BUS SYSTEM,
(31) 201662346973 P	H04L 41/0253	AND METHOD FOR REDUCING
201662319178 P	H04L 41/0803	AN OSCILLATION INCLINATION
(32) 07.06.2016	H04L 43/50	UPON TRANSITIONING BETWEEN
06.04.2016	(11) EP3616365	DIFFERENT BIT STATES

(73) Robert Bosch GmbH	(54) NON-COHERENT BACKSCATTER COMMUNICATIONS OVER AMBIENT-BASED WIRELESS SOURCE	(87) CN2016105286 26.05.2017
(72) PANNWITZ, Axel WALKER, Steffen BRANDO, Cyrille	(73) Nokia Technologies Oy	(22) 10.11.2016
(31) 102017213832	(72) HERCEG, Marijan	(54) NETWORK ATTACKS IDENTIFYING METHOD AND DEVICE
(32) 08.08.2017	MATIC, Tomislav	(73) Alibaba Group Holding Limited
(33) Germany	(51) H04L 27/26	(72) ZHENG, Xuejian
(51) H04L 12/66	H04L 5/00	(31) 201510802440
H04W 12/08	H04W 72/00	(32) 19.11.2015
H04W 12/06	(11) EP3718277	(33) China
G07C 9/00	(21) EP18885826.0	(51) H04L 41/0853
H04L 12/28	(47) 22.06.2022	H04L 12/00
H04W 12/069	(87) CN2018119232	G05B 19/042
(11) EP3207677	13.06.2019	G05B 19/418
(21) EP15849877.4	(22) 04.12.2018	G05B 19/05
(47) 22.06.2022	(54) MULTIPLE RESOURCE SET CONFIGURATION	G05B 23/02
(87) AU2015050625	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(11) EP3616011
21.04.2016	(72) SHEN, Jia	(21) EP18710856.8
(22) 13.10.2015	(31) 201762594107 P	(47) 22.06.2022
(54) REMOTE MONITORING AND CONTROL SYSTEM FOR A BARRIER OPERATOR	(32) 04.12.2017	(87) EP2018056018
(73) Automatic Technology (Australia) Pty Ltd.	(33) United States of America	01.11.2018
(72) KELLY, Simon	(51) H04L 27/26	(22) 12.03.2018
BAKER, Geoff	H04L 5/00	(54) ARRANGEMENT AND METHOD FOR MONITORING AN AUTOMATION TECHNOLOGY SYSTEM
HAWKINS, Ray	H04W 72/12	(73) Endress+Hauser Process Solutions AG
(31) 2014904091	H04L 1/00	(72) BÜNZLI WÜRZLER, Jürg
(32) 13.10.2014	(11) EP3297239	LUBER, Werner
(33) Australia	(21) EP15896764.6	MAYER, Michael
(51) H04L 25/03	(47) 22.06.2022	HÖFERLIN, Wolfgang
H04L 27/26	(87) CN2015082851	(31) 102017109029
(11) EP3665878	05.01.2017	(32) 27.04.2017
(21) EP17761550.7	(22) 30.06.2015	(33) Germany
(47) 22.06.2022	(54) METHOD AND APPARATUS FOR TRANSMITTING PILOT SEQUENCE	(51) H04L 41/28
(87) FI2017050569	(73) Huawei Technologies Co., Ltd.	(11) EP3720077
14.02.2019	(72) WU, Yiqun	(21) EP18890392.6
(22) 11.08.2017	CHEN, Yan	(47) 22.06.2022
(54) INTER-CARRIER INTERFERENCE COMPENSATION	XU, Xiuqiang	(87) CN2018102881
(73) Nokia Technologies Oy	(51) H04L 29/06	27.06.2019
(72) IHALAINEN, Tero	H04L 5/00	(22) 29.08.2018
SYRJÄLÄ, Ville	H04L 1/16	(54) METHOD FOR DETECTING BRUTE FORCE ATTACK AND RELATED APPARATUS
PAJUKOSKI, Kari	H04L 1/18	(73) HUAWEI TECHNOLOGIES CO., LTD.
LEVÄNEN, Toni	H04L 1/00	(72) YANG, Duo
(51) H04L 27/26	H04L 5/02	(31) 201711365840
(11) EP3529959	H04W 72/04	(32) 18.12.2017
(21) EP16800964.5	H04W 88/08	(33) China
(47) 22.06.2022	(11) EP3672198	(51) H04L 45/00
(87) EP2016078569	(21) EP19219962.8	H04L 45/64
31.05.2018	(47) 22.06.2022	(11) EP3457640
(22) 23.11.2016	(22) 01.04.2009	(21) EP17795466.6
(54) FRAME STRUCTURE FOR IOT CLIENTS WITHIN 802.11AX	(54) METHOD, DEVICE AND SYSTEM FOR ASSIGNING ACK CHANNELS TO USERS	(47) 22.06.2022
(73) Huawei Technologies Co., Ltd.	(73) Huawei Technologies Co. Ltd.	(87) CN2017082897
(72) TSODIK, Genadiy	(72) CHEN, Xiaobo	16.11.2017
REDLICH, Oded	LIU, Guang	(22) 03.05.2017
EZRI, Doron	(31) 200810108466	(54) ROUTE ESTABLISHMENT AND MESSAGE SENDING
BEN-ARIE, Yaron	200810067047	(73) New H3C Technologies Co., Ltd.
SHILO, Shimon	(32) 02.06.2008	(72) FAN, Chao
(51) H04L 27/26	29.04.2008	WANG, Hai
G06K 19/07	(33) China	(31) 201610305131
(11) EP3794788	China	(32) 10.05.2016
(21) EP18726377.7	(51) H04L 29/06	(33) China
(47) 22.06.2022	H04L 12/26	(51) H04L 45/74
(87) EP2018062303	(11) EP3379788	(11) EP3223481
21.11.2019	(21) EP16865706.2	(21) EP15867207.1
(22) 14.05.2018	(47) 22.06.2022	(47) 22.06.2022

(87) CN2015094721 16.06.2016	(54) ADDRESS MANAGEMENT METHODS AND APPARATUSES	201710121110
(22) 16.11.2015	(73) Huawei Technologies Co., Ltd.	(32) 25.04.2017
(54) PACKET PROCESSING SYSTEM AND METHOD	(72) XU, Weiping	02.03.2017
(73) Huawei Technologies Co., Ltd.	ZHU, Hengjun	(33) China
(72) SONG, Haibin	LIU, Shucheng	China
YOU, Jianjie	(31) 201610812340	(51) H04L 67/00
(31) 201410765147	(32) 09.09.2016	G06F 3/0486
(32) 11.12.2014	(33) China	(11) EP3675460
(33) China	(51) H04L 65/10	(21) EP18865626.8
(51) H04L 47/20	(11) EP3542506	(47) 22.06.2022
(11) EP3494682	(21) EP16797546.5	(87) CN2018072894
(21) EP16911288.5	(47) 22.06.2022	18.04.2019
(47) 22.06.2022	(87) EP2016077839	(22) 16.01.2018
(87) CN2016093489	24.05.2018	(54) FILE SHARING METHOD AND TERMINAL
08.02.2018	(22) 16.11.2016	(73) Huawei Technologies Co., Ltd.
(22) 05.08.2016	(54) PROTECTING USER'S ANONYMITY WHEN VISITING FOREIGN NETWORKS	(72) YE, Fei
(54) SECURITY-ON-DEMAND ARCHITECTURE	(73) Telefonaktiebolaget LM Ericsson (PUBL)	(31) 201710931371
(73) Alcatel Lucent	(72) NOLDUS, Rogier August Caspar Joseph	(32) 09.10.2017
(72) HU, Zhiyuan	(51) H04L 65/40	(33) China
YAN, Xueqiang	G06F 8/60	(51) H04L 67/02
LUO, Zhigang	(11) EP3672199	(11) EP3652918
(51) H04L 47/36	(21) EP17925815.7	(21) EP18734844.6
H04L 43/0894	(47) 22.06.2022	(47) 22.06.2022
(11) EP3459216	(87) CN2017102331	(87) EP2018068374
(21) EP17814688.2	28.03.2019	17.01.2019
(47) 22.06.2022	(22) 19.09.2017	(22) 06.07.2018
(87) CN2017089090	(54) APPLICATION DEPLOYMENT METHOD, APPARATUS AND SYSTEM	(54) SYSTEM AND METHOD FOR DYNAMICALLY DELIVERING CONTENT
28.12.2017	(73) Huawei Technologies Co., Ltd.	(73) Amadeus S.A.S.
(22) 20.06.2017	(72) TIAN, Xiaolong	(72) DRIENCOURT, Loïc
(54) SYSTEM AND METHOD FOR MTU SIZE REDUCTION IN A PACKET NETWORK	WU, Haixing	LOPEZ RUIZ, Eduardo Rafael
(73) Huawei Technologies Co., Ltd.	BAO, Shuai	GUILLON, Nicolas
(72) ASHWOOD-SMITH, Peter	WANG, Jingsha	MANTOAN, Fabrice
(31) 201615192152	(51) H04L 65/612	BONFIL-PRAIRE, Jeremie
(32) 24.06.2016	(11) EP2907315	ROMITO, Davide
(33) United States of America	(21) EP13786685.1	MONTEILLET, Melinda
(51) H04L 49/25	(47) 22.06.2022	CASAL, Federick
H04L 49/109	(87) FR2013052379	YE, Qinglin
H04L 49/356	17.04.2014	(31) 1756718
H04L 45/745	(22) 07.10.2013	(32) 13.07.2017
H04L 45/44	(54) INHERITANCE OF UNIFORM RESOURCE IDENTIFIER (URI) PARAMETERS	(33) France
H04L 45/7453	(73) ORANGE	(51) H04L 67/10
H04L 45/28	(72) VIVOLO, Olivier	H04L 67/1001
H04L 45/00	BECKER, Claudia	G06F 9/50
(11) EP3278520	KERVADEC, Sylvain	H04L 41/0853
(21) EP15887954.4	(31) 1259623	H04L 41/0896
(47) 22.06.2022	(32) 09.10.2012	H04L 41/5025
(87) US2015023203	(33) France	H04L 41/5051
06.10.2016	(51) H04L 67/00	(11) EP3767912
(22) 28.03.2015	(11) EP3582455	(21) EP20174899.3
(54) DISTRIBUTED ROUTING TABLE SYSTEM WITH IMPROVED SUPPORT FOR MULTIPLE NETWORK TOPOLOGIES	(21) EP18760794.0	(47) 22.06.2022
(73) Intel Corporation	(47) 22.06.2022	(22) 26.09.2016
(72) CHENG, Albert S.	(87) CN2018077581	(54) ACCELERATION MANAGEMENT METHODS
(51) H04L 61/5061	07.09.2018	(73) Huawei Technologies Co., Ltd.
H04L 61/5007	(22) 28.02.2018	(72) YUAN, Peng
(11) EP3499850	(54) METHOD AND APPARATUS FOR MULTIPLE SUBFLOWS NETWORK TRANSMISSION	WU, Jianbang
(21) EP17848165.1	(73) Huawei Technologies Co., Ltd.	(31) 201510628762
(47) 22.06.2022	(72) ZUO, Jing	(32) 28.09.2015
(87) CN2017101052	ZHU, Jianjian	(33) China
15.03.2018	LIU, Wei	(51) H04L 67/146
(22) 08.09.2017	(31) 201710278562	H04W 84/12
		H04L 65/1083
		H04L 65/1096
		H04L 65/612
		H04L 69/40
		H04L 67/51

H04W 76/11	(32) 28.09.2016	(21) EP20153045.8
(11) EP3269125	(33) China	(47) 22.06.2022
(21) EP16765214.8	(51) H04M 1/21	(22) 22.01.2020
(47) 22.06.2022	H05K 1/18	(54) INFORMATION PROCESSING
(87) KR2016002500	H04M 1/02	SYSTEM, INFORMATION
22.09.2016	G01C 17/28	PROCESSING METHOD, AND
(22) 14.03.2016	(11) EP3550810	CARRIER MEANS
(54) METHOD FOR MAINTAINING A	(21) EP17885128.3	(73) Ricoh Company, Ltd.
PERSISTENT MIRACAST SESSION	(47) 22.06.2022	(72) KONDOH, Naritake
OVER WIRELESS LINK	(87) CN2017076833	(31) 2019012406
(73) Samsung Electronics Co., Ltd.	28.06.2018	(32) 28.01.2019
(72) PATIL, Mayuresh Madhukar	(22) 15.03.2017	(33) Japan
SRINIVASA GOPALAN, Karthik	(54) ELECTRONIC DEVICE	(51) H04N 1/00
LEE, Byung-Moo	(73) Huawei Technologies Co., Ltd.	G06F 3/12
(31) 1265CH2015	(72) TU, Jin	H04W 76/00
1265CH2015	LIU, Qingqiu	(11) EP2773092
(32) 02.02.2016	(31) 201611201917	(21) EP14157091.1
13.03.2015	(32) 23.12.2016	(47) 22.06.2022
(33) India	(33) China	(22) 27.02.2014
India	(51) H04M 3/56	(54) Terminal apparatus and function
(51) H04L 69/166	H04M 1/64	executing apparatus
(11) EP3761571	(11) EP3244600	(73) Brother Kogyo Kabushiki Kaisha
(21) EP18910694.1	(21) EP15879434.7	(72) Suzuki, Takanobu
(47) 22.06.2022	(47) 22.06.2022	(31) 2013040084
(87) CN2018080054	(87) CN2015071966	(32) 28.02.2013
26.09.2019	04.08.2016	(33) Japan
(22) 22.03.2018	(22) 30.01.2015	(51) H04N 1/00
(54) METHOD, DEVICE AND SYSTEM	(54) METHOD AND APPARATUS FOR	G06F 3/16
FOR HANDLING MESSAGE	CONVERTING VOICE INTO TEXT IN	G06F 3/12
FRAGMENTATION	MULTI-PARTY CALL	(11) EP3637751
(73) Huawei Technologies Co., Ltd.	(73) Huawei Technologies Co., Ltd.	(21) EP19200510.6
(72) LEI, Junpeng	(72) ZHENG, Weijun	(47) 22.06.2022
LUO, Jun	WANG, Xiyong	(22) 30.09.2019
QU, Zongwu	JIANG, Hongrui	(54) PRINT CONTROL SYSTEM AND
(51) H04L 69/18	(51) H04M 3/56	CONTROL METHOD USING A
(11) EP3500059	H04M 9/08	SMARTSPEAKER
(21) EP19154205.9	(11) EP3468161	(73) CANON KABUSHIKI KAISHA
(47) 22.06.2022	(21) EP16903154.9	(72) SAKAMOTO, Takahiro
(22) 20.01.2015	(47) 22.06.2022	(31) 2018192957
(54) CONNECTION DEVICE AND	(87) JP2016065652	(32) 11.10.2018
CONNECTION METHOD	30.11.2017	(33) Japan
(73) Clarion Co., Ltd.	(22) 26.05.2016	(51) H04N 1/00
(72) FUJI, Motohiro	(54) SOUND SIGNAL PROCESSING	H04N 1/387
SHIMIZU, Ryo	DEVICE AND SOUND SIGNAL	H04N 1/203
MATSUMOTO, Takashi	PROCESSING METHOD	(11) EP3565231
NAKAMURA, Kiminori	(73) Yamaha Corporation	(21) EP17886376.7
KOJIMA, Susumu	(72) UKAI, Satoshi	(47) 22.06.2022
NAGAI, Yasushi	INOUE, Takayuki	(87) JP2017046811
(31) 2014009418	(51) H04M 15/28	05.07.2018
(32) 22.01.2014	H04M 15/00	(22) 26.12.2017
(33) Japan	H04W 4/24	(54) IMAGE READING DEVICE
(51) H04L 69/30	H04W 4/02	(73) Kyocera Document Solutions Inc.
H04W 76/12	H04L 12/14	(72) TAGAMI, Yuya
H04W 80/02	H04M 15/30	(31) 2016256864
(11) EP3506716	(11) EP2898708	(32) 28.12.2016
(21) EP17854546.3	(21) EP12766427.4	(33) Japan
(47) 22.06.2022	(47) 22.06.2022	(51) H04N 1/191
(87) CN2017093898	(87) EP2012068724	H04N 1/193
05.04.2018	27.03.2014	H04N 1/19
(22) 21.07.2017	(22) 24.09.2012	(11) EP3352443
(54) METHODS FOR PACKET EXCHANGE	(54) PROXIMITY SERVICE CHARGING	(21) EP18153019.7
AND RELATED DEVICES	(73) Nokia Solutions and Networks Oy	(47) 22.06.2022
(73) Huawei Technologies Co., Ltd.	(72) HELLGREN, Vesa Pauli	(22) 23.01.2018
(72) SHEN, Zhimin	ZHU, Li	(54) SCANNER, SCAN PROGRAM, AND
ZHOU, Wentao	GOERMER, Gerald	METHOD OF PRODUCING SCAN DATA
CHEN, Dianfu	(51) H04N 1/00	(73) Seiko Epson Corporation
LIU, Qingfen	(11) EP3687149	(72) MOMOSE, Kiyoharu
(31) 201610864813		(31) 2017009167

(32) 23.01.2017	(31) 2019239285	(22) 12.12.2006
(33) Japan	2019072164	(54) SYSTEMS AND METHODS FOR
(51) H04N 1/34	(32) 27.12.2019	CREATING AGGREGATIONS
(11) EP3681139	04.04.2019	OF EPISODES OF SERIES
(21) EP20150164.0	(33) Japan	PROGRAMMING IN ORDER
(47) 22.06.2022	Japan	(73) Rovi Guides, Inc.
(22) 03.01.2020	(51) H04N 5/243	(72) Cordray, Charles
(54) IMAGE FORMING SYSTEM	H04N 5/235	(31) 324183
(73) KYOCERA Document Solutions Inc.	H04N 5/378	(32) 29.12.2005
(72) NISHINO, Tetsuya	H04N 5/374	(33) United States of America
(31) 2019002999	H04N 5/232	(51) H04N 7/18
(32) 10.01.2019	H04N 5/357	G07C 5/08
(33) Japan	H04N 5/353	G08B 13/02
(51) H04N 1/405	(11) EP3654636	H04N 5/77
(11) EP3598729	(21) EP18831418.1	(11) EP3751846
(21) EP19185674.9	(47) 22.06.2022	(21) EP19884326.0
(47) 22.06.2022	(87) JP2018025956	(47) 22.06.2022
(22) 11.07.2019	17.01.2019	(87) JP2019023080
(54) IMAGE PROCESSING APPARATUS,	(22) 10.07.2018	22.05.2020
CONTROL METHOD THEREOF, AND	(54) IMAGING DEVICE AND CAMERA	(22) 11.06.2019
COMPUTER PROGRAM	(73) Panasonic Intellectual Property	(54) RECORDING CONTROL DEVICE FOR
(73) CANON KABUSHIKI KAISHA	Management Co., Ltd.	VEHICLE, RECORDING DEVICE FOR
(72) OTANI, Ryosuke	(72) HAMASAKI Takeshi	VEHICLE, RECORDING CONTROL
(31) 2019087725	(31) 2017136688	METHOD FOR VEHICLE, AND
2018134478	(32) 13.07.2017	PROGRAM
(32) 07.05.2019	(33) Japan	(73) JVC Kenwood Corporation
17.07.2018	(51) H04N 5/3745	(72) TABATA, Kiyofumi
(33) Japan	H03K 5/08	(31) 2018213756
Japan	H03K 5/24	(32) 14.11.2018
(51) H04N 5/225	H03M 1/56	(33) Japan
H04N 5/232	(11) EP3402078	(51) H04N 9/73
G05D 22/02	(21) EP16883720.1	G09G 3/20
G03B 17/55	(47) 22.06.2022	(11) EP3661198
G05D 27/02	(87) JP2016085577	(21) EP19204574.8
G03B 37/04	13.07.2017	(47) 22.06.2022
(11) EP3934226	(22) 30.11.2016	(22) 22.10.2019
(21) EP20183955.2	(54) SOLID-STATE IMAGING ELEMENT AND	(54) METHOD FOR CALIBRATING A
(47) 22.06.2022	IMAGING APPARATUS	DISPLAY DEVICE OF A MOBILE
(22) 03.07.2020	(73) Sony Group Corporation	TERMINAL
(54) A CAMERA AND A METHOD	(72) SAKAKIBARA, Masaki	(73) Miele & Cie. KG
(73) Axis AB	(31) 2016001987	(72) Scharmann, Jürgen
(72) Hörnquist, Niclas	(32) 07.01.2016	Kersting, André
(51) H04N 5/232	(33) Japan	(31) 102018129951
(11) EP3393121	(51) H04N 5/64	(32) 27.11.2018
(21) EP18163221.7	G06F 1/16	(33) Germany
(47) 22.06.2022	G09G 3/00	(51) H04N 19/573
(22) 22.03.2018	G06F 3/01	H04N 19/30
(54) SYSTEM COMPRISING A CAMERA	G06F 3/0346	H04N 21/438
AND A TRANSFER DEVICE AND	(11) EP3503537	H04N 21/235
METHOD	(21) EP19155027.6	(11) EP2959689
(73) IDS Imaging Development Systems	(47) 22.06.2022	(21) EP14705142.9
GmbH	(22) 10.09.2013	(47) 22.06.2022
(72) Balz, Alexander	(54) MULTIMEDIA DEVICE HAVING	(87) EP2014053021
(31) 102017108406	FLEXIBLE DISPLAY AND	28.08.2014
(32) 20.04.2017	CONTROLLING METHOD THEREOF	(22) 17.02.2014
(33) Germany	(73) LG ELECTRONICS INC.	(54) CODING AND DECODING
(51) H04N 5/232	(72) CHOI, Dongwon	METHODS OF A PICTURE BLOCK,
(11) EP3720113	PARK, Junghoon	CORRESPONDING DEVICES AND
(21) EP20163145.4	HWANG, Sunjung	DATA STREAM
(47) 22.06.2022	KIM, Namhun	(73) InterDigital VC Holdings, Inc.
(22) 13.03.2020	(31) 20130065936	(72) ANDRIVON, Pierre
(54) IMAGE CAPTURE APPARATUS,	(32) 10.06.2013	LOPEZ, Patrick
METHOD FOR CONTROLLING THE	(33) Korea (Republic)	SALMON, Philippe
SAME, PROGRAM, AND STORAGE	(51) H04N 7/173	BORDES, Philippe
MEDIUM	H04N 5/445	HIRON, Franck
(73) CANON KABUSHIKI KAISHA	(11) EP3211890	(31) 13305203
(72) MIDORIKAWA, Kentarou	(21) EP16207390.2	(32) 22.02.2013
	(47) 22.06.2022	(33) European Patent Office (EPO)

(51) H04N 19/86 H04N 19/132 H04N 19/18 H04N 19/467 H04N 19/147	(11) EP2779634 (21) EP14158420.1 (47) 22.06.2022 (22) 07.03.2014 (54) Video display apparatus and control method thereof	(54) SLAVE MODULE AND NUMBER ASSIGNMENT SYSTEM INCLUDING THE SAME (73) Samsung SDI Co., Ltd. (72) KIM, Sunmin (31) 20180146764 (32) 23.11.2018 (33) Korea (Republic)
(11) EP3573337 (21) EP19180800.5 (47) 22.06.2022 (22) 22.04.2011 (54) METHOD AND DEVICE FOR LOSSY COMPRESS-ENCODING IMAGE DATA	(73) LG Electronics, Inc. (72) An, Hongyong Park, Kyunghak	(31) 20180146764 (32) 23.11.2018 (33) Korea (Republic)
(73) Dolby International AB (72) CHEN, Zhibo ZHANG, Fan JIANG, Wenfei	(31) 20130027456 (32) 14.03.2013 (33) Korea (Republic)	(51) H04R 1/06 H04R 9/04 (11) EP3461145 (21) EP18194144.4 (47) 22.06.2022 (22) 13.09.2018 (54) SPEAKER TERMINALS
(51) H04N 21/2343 H04N 21/2385	(11) EP3611928 (21) EP18189248.0 (47) 22.06.2022 (22) 16.08.2018 (54) APPARATUS AND METHOD FOR CONFIGURING A MONITORING DEVICE, SYSTEM FOR MONITORING A STREAMING OR BROADCAST SERVICE	(73) Harman International Industries, Incorporated (72) SUN, Bo ZHANG, Sum LI, Frank (31) 201715715347 (32) 26.09.2017 (33) United States of America
(11) EP3142368 (21) EP16187979.6 (47) 22.06.2022 (22) 09.09.2016 (54) AN INTERMEDIATE NETWORK ENTITY FOR CONTROLLING BANDWIDTH FOR AN ADAPTIVE BIT RATE STREAM	(73) Rohde & Schwarz GmbH & Co. KG (72) RUOFF, Marcus SCHMID, Björn	(51) H04R 3/00 H04R 3/04 (11) EP3574660 (21) EP18719406.3 (47) 22.06.2022 (87) US2018027831 25.10.2018 (22) 16.04.2018 (54) VARIABLE-FREQUENCY SLIDING BAND EQUALIZATION FOR CONTROLLING SEALED LOUDSPEAKER EXCURSION
(73) Openwave Mobility, Inc. (72) McGINNITY, Shaun BROWN, Christopher	(31) 201516071 (32) 10.09.2015 (33) United Kingdom	(73) Dolby Laboratories Licensing Corporation (72) MANDELL, Douglas (31) 201762487043 P 17166981 (32) 19.04.2017 19.04.2017 (33) United States of America European Patent Office (EPO)
(31) 201516071 (32) 10.09.2015 (33) United Kingdom	(51) H04N 21/854 G10L 19/16 H04N 21/236 H04N 21/434	(51) H04R 25/00 (11) EP3679729 (21) EP18769105.0 (47) 22.06.2022 (87) EP2018073718 07.03.2019 (22) 04.09.2018 (54) MULTI-PURPOSE HIGH PERFORMANCE HEARING AID WITH A MOBILE END DEVICE IN PARTICULAR SMARTPHONE
(51) H04N 21/2343 H04N 21/643	(11) EP3703379 (21) EP20155625.5 (47) 22.06.2022 (22) 10.12.2014 (54) TRANSMISSION METHOD, RECEPTION METHOD, TRANSMITTING DEVICE, AND RECEIVING DEVICE	(73) Panasonic Intellectual Property Corporation of America (72) TOMA, Tadamasu KATOU, Hisaya IGUCHI, Noritaka
(11) EP3289766 (21) EP16734767.3 (47) 22.06.2022 (87) IT2016000102 03.11.2016 (22) 27.04.2016 (54) A METHOD AND SYSTEM FOR TRANSMITTING ON DEMAND VIDEOS OF FITNESS SESSIONS ON FIXED AND/OR MOBILE ELECTRONIC DEVICES	(73) Panasonic Intellectual Property Corporation of America (72) TOMA, Tadamasu KATOU, Hisaya IGUCHI, Noritaka	(51) H04R 25/00 (11) EP3679729 (21) EP18769105.0 (47) 22.06.2022 (87) EP2018073718 07.03.2019 (22) 04.09.2018 (54) MULTI-PURPOSE HIGH PERFORMANCE HEARING AID WITH A MOBILE END DEVICE IN PARTICULAR SMARTPHONE
(73) MS45 Srl (72) LARDINELLI, Vincenzo	(31) 2014244503 201461982938 P 201461979558 P 201461969857 P 201461954871 P 201361916400 P	(73) Kimmelmeyer, Karl-Jürgen (72) Kimmelmeyer, Karl-Jürgen (31) 17189224 (32) 04.09.2017 (33) European Patent Office (EPO)
(31) LU20150005 (32) 29.04.2015 (33) Italy	(32) 02.12.2014 23.04.2014 15.04.2014 25.03.2014 18.03.2014 16.12.2013	(51) H04R 25/00 (11) EP3732901 (21) EP18840002.2 (47) 22.06.2022 (87) US2018067908 04.07.2019 (22) 28.12.2018 (54) HEARING DEVICE CABLE
(51) H04N 21/2362 H04N 21/431 H04N 21/2365	(33) Japan United States of America United States of America United States of America United States of America	(73) Kimmelmeyer, Karl-Jürgen (72) Kimmelmeyer, Karl-Jürgen (31) 17189224 (32) 04.09.2017 (33) European Patent Office (EPO)
(11) EP3238454 (21) EP15832812.0 (47) 22.06.2022 (87) FR2015053694 30.06.2016 (22) 21.12.2015 (54) GENERATION OF A VIDEO MOSAIC	(31) 1463190 (32) 23.12.2014 (33) France	(51) H04R 25/00 (11) EP3732901 (21) EP18840002.2 (47) 22.06.2022 (87) US2018067908 04.07.2019 (22) 28.12.2018 (54) HEARING DEVICE CABLE
(73) ORANGE (72) KERVADEC, Sylvain DAVENET, Stéphane	(11) EP3657815 (21) EP19209130.4 (47) 22.06.2022 (22) 14.11.2019	(73) Tourtelotte, Davi
(31) 1463190 (32) 23.12.2014 (33) France	(51) H04Q 9/00 H01M 10/42	
(51) H04N 21/422 H04N 21/431 H04N 21/442 H04N 21/485		

	United States of America	GANGAKHEDKAR, Sandip
Higgins, Sidney A. Starkey Laboratories, Inc.	(51) H04W 4/00	(51) H04W 4/50
(72) HIGGINS, Sidney A. TOURTELOTTE, Davi	H04L 67/1097	H04L 29/08
(31) 201762611346 P	H04W 8/22	(11) EP3661164
(32) 28.12.2017	(11) EP3183865	(21) EP19219434.8
(33) United States of America	(21) EP14757896.7	(47) 22.06.2022
(51) H04R 25/00	(47) 22.06.2022	(22) 04.03.2014
A61F 11/04	(87) EP2014067891	(54) NETWORK SERVICE PLAN DESIGN
A61N 1/36	25.02.2016	(73) Headwater Research LLC
A61N 1/05	(22) 22.08.2014	(72) LAVINE, James
(11) EP3565513	(54) A METHOD, SYSTEM AND DEVICE	GREEN, Jeffrey
(21) EP18758163.2	FOR ACCESSING DATA STORAGE IN A	JAMES, Justin
(47) 22.06.2022	TELECOMMUNICATIONS NETWORK.	RALEIGH, Gregory, G.
(87) US2018019375	(73) Telefonaktiebolaget LM Ericsson (publ)	(31) 201313842172
30.08.2018	(72) MARTIN DE NICOLAS, Arturo	(32) 15.03.2013
(22) 23.02.2018	NOLDUS, Rogier August Caspar Joseph	(33) United States of America
(54) MIDDLE EAR IMPLANT COUPLER	(51) H04W 4/02	(51) H04W 4/80
FOR MECHANICAL COCHLEA	H04W 64/00	H04W 52/02
STIMULATION VIA THE ROUND	H04W 76/15	(11) EP3537734
WINDOW	H04W 88/06	(21) EP17867752.2
(73) Med-EI Elektromedizinische Geraete	(11) EP3713259	(47) 22.06.2022
GmbH	(21) EP18900419.5	(87) CN2017092358
(72) SCHURZIG, Daniel	(47) 22.06.2022	11.05.2018
(31) 201762463763 P	(87) CN2018072234	(22) 10.07.2017
(32) 27.02.2017	18.07.2019	(54) METHOD AND DEVICE FOR
(33) United States of America	(22) 11.01.2018	CONNECTING A BLUETOOTH DEVICE
(51) H04S 7/00	(54) POSITIONING METHOD IN MULTI-	(73) ZTE Corporation
(11) EP3797528	CONNECTION NETWORK, TERMINAL	(72) DUAN, Shitao
(21) EP19718244.7	DEVICE, AND POSITIONING	(31) 201610975510
(47) 22.06.2022	MANAGEMENT FUNCTIONAL ENTITY	(32) 07.11.2016
(87) DK2019050116	(73) GUANGDONG OPPO MOBILE	(33) China
17.10.2019	TELECOMMUNICATIONS CORP., LTD.	(51) H04W 8/00
(22) 12.04.2019	(72) YANG, Ning	H04W 76/14
(54) GENERATING SOUND ZONES USING	(51) H04W 4/14	H04W 84/18
VARIABLE SPAN FILTERS	H04W 60/00	(11) EP3503666
(73) Huawei Technologies Co. Ltd.	H04W 4/70	(21) EP16914609.9
(72) LEE, Taewoong	H04W 64/00	(47) 22.06.2022
NIELSEN, Jesper Kjær	(11) EP3474582	(87) CN2016097723
JENSEN, Jesper Rindom	(21) EP17854585.1	08.03.2018
CHRISTENSEN, Mads Græsbøll	(47) 22.06.2022	(22) 31.08.2016
(31) PA201870221	(87) CN2017096634	(54) METHODS FOR DISCOVERING
(32) 13.04.2018	05.04.2018	BLUETOOTH DEVICE AND
(33) Denmark	(22) 09.08.2017	BLUETOOTH DEVICES
(51) H04S 7/00	(54) METHOD FOR PROCESSING	(73) Huawei Technologies Co., Ltd.
G06F 3/01	SMS IN INTERNET OF THINGS,	(72) DING, Ji
(11) EP3777246	MOBILE MANAGEMENT NETWORK	CHEN, Jian
(21) EP19717296.8	ELEMENTS, AND TERMINAL DEVICE	ZHANG, Zhiqiang
(47) 22.06.2022	(73) Huawei Technologies Co., Ltd.	LI, Jiaxin
(87) EP2019058954	(72) SHU, Lin	ZHANG, Ya
17.10.2019	WANG, Caijuan	ZHANG, Zhiwei
(22) 09.04.2019	(31) 201610859000	(51) H04W 8/00
(54) METHODS, APPARATUS AND	(32) 28.09.2016	H04W 84/18
SYSTEMS FOR THREE DEGREES OF	(33) China	G10L 21/0272
FREEDOM (3DOF+) EXTENSION OF	(51) H04W 4/44	H04L 29/08
MPEG-H 3D AUDIO	(11) EP3701733	(11) EP2710841
(73) Dolby International AB	(21) EP17791671.5	(21) EP12716945.6
(72) FISCHER, Daniel	(47) 22.06.2022	(47) 22.06.2022
TERENTIV, Leon	(87) EP2017077579	(87) US2012033410
FERSCH, Christof	02.05.2019	29.11.2012
(31) 201962823159 P	(22) 27.10.2017	(22) 13.04.2012
201862695446 P	(54) A CLOSED-LOOP CONTROL OF A	(54) DISTRIBUTED BLIND SOURCE
201862654915 P	COMMUNICATION SYSTEM FOR	SEPARATION
(32) 25.03.2019	TELEOPERATED DRIVING.	(73) Google LLC
09.07.2018	(73) Huawei Technologies Co., Ltd.	(72) KLEIJN, Willem Bastiaan
09.04.2018	(72) VAISHNAVI, Ishan	(31) 201113187998
(33) United States of America	CAO, Hanwen	201161488635 P
United States of America	EICHINGER, Josef	(32) 21.07.2011
		20.05.2011

(33) United States of America United States of America	(22) 30.10.2015	H04W 48/18
(51) H04W 8/18	(54) ESTABLISHING A SECRET SHARED BETWEEN A FIRST COMMUNICATIONS DEVICE AND AT LEAST ONE SECOND COMMUNICATIONS DEVICE	(11) EP3790311 (21) EP19826192.7 (47) 22.06.2022 (87) CN2019086150 02.01.2020
(11) EP3531729	(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 09.05.2019
(21) EP19159268.2	(72) Andersson, Lars	(54) NETWORK SLICE RESOURCE ALLOCATION METHODS AND DEVICE
(47) 22.06.2022	Araújo, José	(73) Huawei Technologies Co., Ltd.
(22) 26.02.2019	Zhang, Guoqiang	(72) LI, Zhuoming
(54) CONFIGURATION OF AN ON-BOARD SUBSCRIBER IDENTITY MODULE	(51) H04W 12/06	(31) 201810703615
(73) IDEMIA France	H04W 12/10	(32) 30.06.2018
(72) DUMOULIN, Jérôme	G06F 16/93	(33) China
RABOISSON, Aurélien	(11) EP3130166	(51) H04W 16/14
(31) 1851650	(21) EP15719343.4	H04W 72/04
(32) 26.02.2018	(47) 22.06.2022	H04W 52/14
(33) France	(87) US2015024884	H04W 52/36
(51) H04W 8/18	15.10.2015	H04W 52/22
H04W 60/00	(22) 08.04.2015	H04W 52/24
H04W 76/36	(54) METHOD FOR VERIFYING AUTHORIZED SIGNER FOR MOBILE DEVICE BASED DOCUMENT ESCROW SERVICE	(11) EP3634024 (21) EP17916412.4 (47) 22.06.2022 (87) CN2017090566 03.01.2019
H04W 8/20	(73) Citrix Systems Inc.	(22) 28.06.2017
(11) EP3530015	(72) BERNSTEIN, Daryl	(54) CARRIER POWER CONTROL METHOD AND APPARATUS, AND COMPUTER READABLE STORAGE MEDIUM
(21) EP17863333.5	DUNN, Cary	(73) Huawei Technologies Co., Ltd.
(47) 22.06.2022	(31) 201414248832	(72) ZHANG, Yan
(87) IB2017056560	(32) 09.04.2014	LI, Guowei
03.05.2018	(33) United States of America	YAO, Guoqiang
(22) 23.10.2017	(51) H04W 12/122	LI, Hongbao
(54) A SYSTEM AND METHOD FOR UPDATING A STATUS INFORMATION OF A NON-ACTIVE SIM	H04W 48/20	(51) H04W 24/00
(73) Jio Platforms Limited	H04W 24/10	H04L 27/26
(72) KADAM, Amol Madhukar	(11) EP3639545	H04L 5/00
GHADGE, Nikhil V	(21) EP18740956.0	(11) EP3755028
TAYAL, Sagar	(47) 22.06.2022	(21) EP18913851.4
PARAB, Ulhas Dattaram	(87) US2018038043	(47) 22.06.2022
KUMAR, Ranjit	20.12.2018	(87) CN2018081845 10.10.2019
(31) 201621036376	(22) 18.06.2018	(22) 04.04.2018
(32) 24.10.2016	(54) REPORTING MONITORED PARAMETER INFORMATION	(54) INFORMATION DETERMINATION AND CONFIGURATION OF CSI-RS RESOURCES WITH INDICATION OF USAGE FOR TRACKING
(33) India	(73) Motorola Mobility LLC	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(51) H04W 8/20	(72) KUNZ, Andreas	(72) CHEN, Wenhong
H04W 12/08	KUCHIBHOTLA, Ravi	SHI, Zhihua
H04W 12/069	BASU MALLICK, Prateek	ZHANG, Zhi
(11) EP3484199	LOEHR, Joachim	(51) H04W 24/10
(21) EP18196982.5	VELEV, Genadi	(11) EP3684096
(47) 22.06.2022	(31) 201762521266 P	(21) EP18861565.2
(22) 28.04.2014	(32) 16.06.2017	(47) 22.06.2022
(54) VIRTUAL CARD DOWNLOADING METHOD AND TERMINAL	(33) United States of America	(87) CN2018106037 04.04.2019
(73) Huawei Technologies Co. Ltd.	(51) H04W 12/79	(22) 17.09.2018
(72) SUI, Sanjun	H04B 17/30	(54) PERFORMING NEIGHBORING CELL MEASUREMENTS AT A TERMINAL
(51) H04W 8/24	(11) EP3780423	(73) Huawei Technologies Co., Ltd.
(11) EP3703403	(21) EP18920695.6	(72) ZHANG, Hongping
(21) EP20163407.8	(47) 22.06.2022	ZENG, Qinghai
(47) 22.06.2022	(87) JP2018020387	(31) 201710900295
(22) 13.12.2011	05.12.2019	(32) 28.09.2017
(54) METHOD AND APPARATUS FOR CACHING	(22) 28.05.2018	
(73) Telefonaktiebolaget LM Ericsson (publ)	(54) WIRELESS DEVICE IDENTIFICATION DEVICE	
(72) Valkó, Andras	(73) Mitsubishi Electric Corporation	
Meirosu, Catalin	(72) SUZUKI, Nobuhiro	
Turányi, Zoltán	MATSUDA, Takafumi	
(51) H04W 12/04	AMISHIMA, Takeshi	
H04W 4/20	(51) H04W 16/02	
H04W 4/21	H04W 28/16	
H04W 12/041	H04W 24/02	
(11) EP3780549	H04W 92/04	
(21) EP20199775.6	H04W 24/10	
(47) 22.06.2022		

(33) China	(72) KUCERA, Stepan	H04W 4/02
(51) H04W 24/10	FAHMI, Kariem	H04W 4/40
H04W 36/00	(51) H04W 28/08	(11) EP3367705
H04B 7/06	H04W 28/02	(21) EP16888887.3
(11) EP3242506	H04W 72/12	(47) 22.06.2022
(21) EP15878387.8	H04W 88/06	(87) CN2016077254
(47) 22.06.2022	(11) EP3481092	10.08.2017
(87) CN2015071350	(21) EP16906629.7	(22) 24.03.2016
28.07.2016	(47) 22.06.2022	(54) RESOURCE CONFIGURATION
(22) 22.01.2015	(87) CN2016087614	METHOD FOR SWITCHING, NETWORK
(54) BEAM MEASUREMENTS IN RADIO	04.01.2018	ACCESS POINT, AND MOBILE
SYSTEMS	(22) 29.06.2016	STATION
(73) Huawei Technologies Co., Ltd.	(54) DATA TRANSMISSION METHOD AND	(73) GUANGDONG OPPO MOBILE
(72) LI, Yuanjie	DEVICE, AND TERMINAL	TELECOMMUNICATIONS CORP., LTD.
ZHAGN, Jian	(73) Beijing Xiaomi Mobile Software Co., Ltd.	(72) FENG, Bin
ZENG, Qinghai	(72) ZHOU, Juejia	(31) PCT/CN2016/073675
ZHOU, Yongxing	HONG, Wei	(32) 05.02.2016
(51) H04W 28/02	ZHANG, Ming	(33) World Intellectual Property Office (WIPO)
H04L 47/24	(51) H04W 28/08	(51) H04W 36/00
H04L 47/2408	H04W 28/02	H04W 76/30
H04L 47/2441	H04W 76/15	H04W 76/27
H04L 47/6275	(11) EP3550882	(11) EP3340683
H04L 47/6295	(21) EP19176880.3	(21) EP15907666.0
H04L 47/62	(47) 22.06.2022	(47) 22.06.2022
H04W 84/12	(22) 23.06.2015	(87) CN2015094046
H04W 88/08	(54) METHOD AND APPARATUS OF	11.05.2017
(11) EP3579503	ASSIGNING DATA TO SPLIT BEARERS	(22) 06.11.2015
(21) EP19178706.8	IN DUAL CONNECTIVITY	(54) METHOD AND DEVICE FOR ANCHOR
(47) 22.06.2022	(73) Samsung Electronics Co., Ltd.	REPLACEMENT
(22) 06.06.2019	(72) XU, Lixiang	(73) GUANGDONG OPPO MOBILE
(54) MEDIUM ACCESS CONTROL CIRCUIT	KE, Xiaowan	TELECOMMUNICATIONS CORP., LTD.
AND DATA PROCESSING METHOD	WANG, Hong	(72) FENG, Bin
(73) Huawei Technologies Co., Ltd.	(31) 201410497636	(51) H04W 36/02
(72) LIU, Peng	201410283197	H04W 40/12
(31) 201810589793	(32) 25.09.2014	H04W 40/22
(32) 08.06.2018	23.06.2014	H04L 1/18
(33) China	(33) China	H04W 84/04
(51) H04W 28/02	China	H04L 47/34
H04W 24/08	(51) H04W 36/00	(11) EP3713286
(11) EP3429263	(11) EP3703420	(21) EP19738532.1
(21) EP17782637.7	(21) EP18881288.7	(47) 22.06.2022
(47) 22.06.2022	(47) 22.06.2022	(87) CN2019071199
(87) KR2017003904	(87) CN2018116637	18.07.2019
19.10.2017	31.05.2019	(22) 10.01.2019
(22) 11.04.2017	(22) 21.11.2018	(54) DATA PROCESSING METHOD AND
(54) METHOD AND APPARATUS	(54) SESSION CONTEXT PROCESSING	RELATED DEVICE
FOR CONTROLLING TRAFFIC	METHOD, NETWORK ELEMENTS, AND	(73) HUAWEI TECHNOLOGIES CO., LTD.
OF TERMINAL IN MOBILE	TERMINAL DEVICE	(72) YAO, Chuting
COMMUNICATION SYSTEM	(73) Huawei Technologies Co., Ltd.	WANG, Jian
(73) Samsung Electronics Co., Ltd.	(72) WANG, Yuan	XU, Haibo
(72) LEE, Panhyung	CHEN, Zhongping	KUANG, Yiru
OH, Changyeong	(31) 201711168842	(31) 201810109641
YOON, Soonyoung	(32) 21.11.2017	201810032554
LEE, Suwon	(33) China	(32) 05.02.2018
(31) 20160044317	(51) H04W 36/00	12.01.2018
(32) 11.04.2016	(11) EP2833669	(33) China
(33) Korea (Republic)	(21) EP13178842.4	China
(51) H04W 28/08	(47) 22.06.2022	(51) H04W 36/24
H04N 21/63	(22) 31.07.2013	H04W 36/32
H04W 28/02	(54) Handoff procedure in a mobile	H04W 84/04
H04N 21/61	communication system	(11) EP2640129
(11) EP3297322	(73) Panasonic Intellectual Property	(21) EP13171771.2
(21) EP16306173.2	Corporation of America	(47) 22.06.2022
(47) 22.06.2022	(72) Basu Mallick, Prateek	(22) 10.03.2006
(22) 15.09.2016	Löhr, Joachim	(54) Cell reselection method and apparatus
(54) MULTIPLE PATH TRANSMISSION OF	(51) H04W 36/00	for preventing ping-pong in a mobile
DATA	H04W 36/32	communications system
(73) Alcatel Lucent		(73) Samsung Electronics Co., Ltd

(72) Jeong, Kyeong-In van Lieshout, Gert Jan Lee, Kook Heui	31.01.2019 (22) 24.07.2017 (54) CELL SEARCH OF USER	H04B 1/00 (11) EP3703431 (21) EP20159620.2
(31) 20050020101 (32) 10.03.2005 (33) Korea (Republic)	EQUIPMENTS IN ACCORDANCE WITH CELL SEARCH SLOTS ASSOCIATED WITH GROUPS OF BASE STATIONS	(47) 22.06.2022 (22) 26.02.2020 (54) MULTI-INTERFACE TRANSPONDER DEVICE
(51) H04W 36/38 H04W 36/18 H04W 36/32 H04W 8/18	(73) Huawei Technologies Co., Ltd. (72) CASTANEDA GARCIA, Mario Hernán LUO, Jian VUCIC, Nikola	(73) Chadra Laboratories LLC (31) 202016800523 202016800424 201962810492 P
(11) EP3751903 (21) EP19751394.8 (47) 22.06.2022 (87) CN2019074240 15.08.2019 (22) 31.01.2019 (54) METHOD AND APPARATUS FOR BUSINESS MIGRATION	(51) H04W 48/16 H04W 48/20 H04W 48/12 H04W 12/08 H04W 84/12 H04W 12/50 (11) EP3829226 (21) EP20209337.3 (47) 22.06.2022 (22) 23.11.2020 (54) COMMUNICATION APPARATUS, CONTROL METHOD THEREOF, AND PROGRAM	(32) 25.02.2020 25.02.2020 26.02.2019 (33) United States of America United States of America United States of America
(73) Datang Mobile Communications Equipment Co., Ltd. (72) Li, Haimin (31) 201810142709 (32) 11.02.2018 (33) China	(73) Canon Kabushiki Kaisha (72) OHSHIMA, Hideaki (31) 2019214507 (32) 27.11.2019 (33) Japan	(51) H04W 52/02 H04B 7/26 (11) EP3761719 (21) EP20186938.5 (47) 22.06.2022 (22) 22.08.2011 (54) TRANSMISSION APPARATUS, RECEPTION APPARATUS, AND COMMUNICATION METHOD
(51) H04W 48/08 H04W 72/04 H04W 92/10 H04W 52/24 H04W 52/34 H04W 52/14 (11) EP3386243 (21) EP16870260.3 (47) 22.06.2022 (87) JP2016077214 08.06.2017 (22) 15.09.2016 (54) BASE STATION DEVICE, TERMINAL DEVICE, AND COMMUNICATION METHOD	(73) Sharp Kabushiki Kaisha (72) GOTO, Jungo YAMADA, Ryota YOSHIMOTO, Takashi NAKAMURA, Osamu (31) 2015234437 (32) 01.12.2015 (33) Japan	(72) KIM, Young Soo KWON, Ui Kun (31) 20110007354 (32) 25.01.2011 (33) Korea (Republic)
(51) H04W 48/10 H04L 27/26 H04J 11/00 (11) EP3691339 (21) EP19209925.7 (47) 22.06.2022 (22) 28.05.2016 (54) METHOD FOR DETERMINING CARRIER CENTER FREQUENCY AND APPARATUS	(73) Huawei Technologies Co., Ltd. (72) JIN, Zhe WU, Qian (31) PCT/CN2015/094061 (32) 06.11.2015 (33) World Intellectual Property Office (WIPO)	(51) H04W 52/14 H04W 52/24 H04W 52/36 H04W 52/38 (11) EP3531753 (21) EP18735921.1 (47) 22.06.2022 (87) CN2018071399 12.07.2018 (22) 04.01.2018 (54) UPLINK POWER CONTROL METHOD AND COMMUNICATION APPARATUS
(51) H04W 48/10 H04L 27/26 H04J 11/00 (11) EP3691339 (21) EP19209925.7 (47) 22.06.2022 (22) 28.05.2016 (54) METHOD FOR DETERMINING CARRIER CENTER FREQUENCY AND APPARATUS	(73) Huawei Technologies Co., Ltd. (72) JIN, Zhe WU, Qian (31) PCT/CN2015/094061 (32) 06.11.2015 (33) World Intellectual Property Office (WIPO)	(72) WANG, Yafei ZHANG, Chi GONG, Zhengwei (31) 201710184415 201710010991 (32) 24.03.2017 06.01.2017 (33) China China
(51) H04W 48/12 (11) EP3656155 (21) EP17751663.0 (47) 22.06.2022 (87) EP2017068607	(54) ACCESS TO A COMMUNICATION SYSTEM EMPLOYING NETWORK SLICING BASED ON PRE- CONFIGURED ACCESS CATEGORY (73) Telefonaktiebolaget LM Ericsson (PUBL) (72) MYHRE, Elena SCHLIWA-BERTLING, Paul HEDMAN, Peter CENTONZA, Angelo MILDH, Gunnar (31) 201762454693 P (32) 03.02.2017 (33) United States of America	(51) H04W 60/06 H04W 8/24 (11) EP3624512 (21) EP18821364.9 (47) 22.06.2022 (87) CN2018088683 27.12.2018 (22) 28.05.2018 (54) DE-REGISTRATION METHOD, AND SESSION PROCESSING METHOD AND DEVICE (73) Huawei Technologies Co., Ltd. (72) LI, Huan LU, Wei

- (31) 201810151950
201710698556
201710471231
- (32) 14.02.2018
15.08.2017
20.06.2017
- (33) China
China
China
-
- (51) H04W 72/02
H04W 16/10
H04W 72/04
- (11) EP3606203
(21) EP17919242.2
(47) 22.06.2022
(87) CN2017094174
31.01.2019
(22) 24.07.2017
(54) METHOD FOR DATA TRANSMISSION,
TERMINAL DEVICE AND NETWORK
DEVICE
(73) GUANGDONG OPPO MOBILE
TELECOMMUNICATIONS CORP., LTD.
(72) TANG, Hai
-
- (51) H04W 72/04
(11) EP3585118
(21) EP18775061.7
(47) 22.06.2022
(87) CN2018080331
04.10.2018
(22) 23.03.2018
(54) METHOD AND DEVICE FOR
DETERMINING PARTIAL BANDWIDTH
AND INDICATING PARTIAL
BANDWIDTH
(73) Huawei Technologies Co., Ltd.
(72) LI, Zhongfeng
ZHOU, Guohua
LI, Xinxian
TANG, Zhenfei
TANG, Hao
HUANG, Wenwen
(31) 201710184953
(32) 25.03.2017
(33) China
-
- (51) H04W 72/04
H04J 13/18
H04W 72/12
(11) EP3136806
(21) EP16192758.7
(47) 22.06.2022
(22) 04.07.2013
(54) WIRELESS COMMUNICATION
TERMINAL, BASE STATION DEVICE,
AND RESOURCE ALLOCATION
METHOD
(73) Sun Patent Trust
(72) HORIUCHI, Ayako
SUZUKI, Hidetoshi
TAKEDA, Kazuki
OIZUMI, Tonu
(31) 2012214981
(32) 27.09.2012
(33) Japan
-
- (51) H04W 72/04
H04L 5/00
(11) EP3534656
(21) EP17864760.8
- (47) 22.06.2022
(87) JP2017038419
03.05.2018
(22) 25.10.2017
(54) USER TERMINAL AND WIRELESS
COMMUNICATION METHOD
(73) NTT DOCOMO, INC.
(72) NAGATA, Satoshi
TAKEDA, Kazuki
KUSUME, Katsutoshi
TAKEDA, Kazuaki
(31) 2016212066
(32) 28.10.2016
(33) Japan
-
- (51) H04W 72/04
H04L 5/00
(11) EP3609255
(21) EP17907401.8
(47) 22.06.2022
(87) CN2017081860
01.11.2018
(22) 25.04.2017
(54) SIGNAL PROCESSING METHOD AND
APPARATUS
(73) GUANGDONG OPPO MOBILE
TELECOMMUNICATIONS CORP., LTD.
(72) TANG, Hai
-
- (51) H04W 72/04
H04L 5/00
(11) EP3682696
(21) EP18857333.1
(47) 22.06.2022
(87) CN2018105405
21.03.2019
(22) 13.09.2018
(54) SYSTEMS AND METHODS FOR
CONFIGURING SLOT FORMATS WITH
MULTIPLE SWITCHING POINTS PER
SLOT
(73) Huawei Technologies Co., Ltd.
(72) AU, Kelvin Kar Kin
ISLAM, Toufiqu
ZHANG, Liqing
XU, Hua
MAAREF, Amine
CAO, Yu
MA, Jianglei
(31) 201815983890
201762559479 P
(32) 18.05.2018
15.09.2017
(33) United States of America
United States of America
-
- (51) H04W 72/04
H04L 5/00
H04W 72/12
(11) EP3761735
(21) EP19761118.9
(47) 22.06.2022
(87) CN2019076261
06.09.2019
(22) 27.02.2019
(54) UPLINK CONTROL INFORMATION
TRANSMISSION METHOD, UPLINK
CONTROL INFORMATION RECEIVING
METHOD, AND TERMINAL, BASE
STATION AND DEVICE
- (73) Datang Mobile Communications
Equipment Co., Ltd.
(72) GAO, Xuejuan
(31) 201810172420
(32) 01.03.2018
(33) China
-
- (51) H04W 72/04
H04W 72/08
(11) EP3874860
(21) EP19798560.9
(47) 22.06.2022
(87) EP2019079698
07.05.2020
(22) 30.10.2019
(54) CLOSED LOOP REMOTE
INTERFERENCE MANAGEMENT
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) FAXÉR, Sebastian
SUNDBERG, Mårten
BARAC, Filip
(31) 201862754705 P
(32) 02.11.2018
(33) United States of America
-
- (51) H04W 72/04
H04W 74/08
H04W 74/00
(11) EP3641454
(21) EP18818363.6
(47) 22.06.2022
(87) CN2018091819
20.12.2018
(22) 19.06.2018
(54) COMMUNICATION METHODS,
NETWORK DEVICE, TERMINAL
DEVICE, COMPUTER READABLE
STORAGE MEDIUM AND COMPUTER
PROGRAM PRODUCT
(73) Huawei Technologies Co., Ltd.
(72) LI, Junchao
WANG, Yafei
ZHANG, Chi
(31) 201710459670
(32) 16.06.2017
(33) China
-
- (51) H04W 72/08
(11) EP3501223
(21) EP16760442.0
(47) 22.06.2022
(87) EP2016070368
08.03.2018
(22) 30.08.2016
(54) APPARATUS AND METHOD FOR
ALLOCATING RADIO RESOURCES
(73) Huawei Technologies Duesseldorf GmbH
(72) LI, Yilin
XU, Wen
LUO, Jian
-
- (51) H04W 72/08
H04W 72/12
(11) EP3589056
(21) EP17919359.4
(47) 22.06.2022
(87) CN2017094119
31.01.2019
(22) 24.07.2017
(54) METHOD AND APPARATUS FOR
CONTROLLING INTERFERENCE
FROM OPERABLE DEVICE

(73) Beijing Xiaomi Mobile Software Co., Ltd.	(72) FODOR, Gabor	(87) CN2018122051
(72) HONG, Wei	KOUTSIMANIS, Chrysostomos	27.06.2019
(51) H04W 72/12	(31) 201615241199	(22) 19.12.2018
H04W 72/10	(32) 19.08.2016	(54) MEMORY CARD AND MOBILE
(11) EP3681225	(33) United States of America	TERMINAL
(21) EP18867791.8	(51) H04W 74/08	(73) Huawei Technologies Co. Ltd.
(47) 22.06.2022	H04W 72/12	(72) ZHOU, Jinhua
(87) CN2018107353	H04L 1/08	(31) 201810703665
25.04.2019	(11) EP3846567	201810288764
(22) 25.09.2018	(21) EP18933563.1	201711409079
(54) METHOD FOR TRANSMITTING	(47) 22.06.2022	(32) 30.06.2018
SCHEDULING REQUEST AND	(87) CN2018104832	03.04.2018
TERMINAL DEVICE	19.03.2020	22.12.2017
(73) GUANGDONG OPPO MOBILE	(22) 10.09.2018	(33) China
TELECOMMUNICATIONS CORP., LTD.	(54) COMMUNICATION METHOD,	China
(72) TANG, Hai	TERMINAL DEVICE, AND NETWORK	China
(31) PCT/CN2017/107167	DEVICE	(51) H04W 88/02
(32) 20.10.2017	(73) GUANGDONG OPPO MOBILE	H04W 52/02
(33) World Intellectual Property Office (WIPO)	TELECOMMUNICATIONS CORP., LTD.	H04M 1/02
(51) H04W 74/00	(72) LIN, Yanan	H04M 1/725
H04W 48/08	SHI, Cong	(11) EP3457809
H04W 84/12	(51) H04W 76/15	(21) EP18203168.2
(11) EP3741159	H04W 36/02	(47) 22.06.2022
(21) EP19750385.7	H04W 36/00	(22) 18.03.2010
(47) 22.06.2022	(11) EP3783996	(54) MULTIFUNCTION MOBILE DEVICE
(87) CN2019074790	(21) EP19810157.8	HAVING A MOVABLE DISPLAY AND
15.08.2019	(47) 22.06.2022	ASSOCIATED FUNCTIONS
(22) 11.02.2019	(87) CN2019089328	(73) T-Mobile USA, Inc.
(54) CHANNEL ACCESS IN BSS PCP/AP	05.12.2019	(72) MADSEN, Jesse, S.
CLUSTER SERVICE SET	(22) 30.05.2019	MALEKZADEH, Feridoon
(73) HUAWEI TECHNOLOGIES CO., LTD.	(54) COMMUNICATION METHODS AND	SADLER, Jennifer
(72) AU, Kwok Shum	DEVICES FOR PROCESSING DATA	WICKMAN, Marianna
XIN, Yan	PACKETS BASED ON A CORRECT	WEBB, William, D.
MA, Mengyao	SEQUENCE	MEYERSON, Randy
SUN, Sheng	(73) HUAWEI TECHNOLOGIES CO., LTD.	(31) 40946909
(31) 201815894481	(72) YU, Fang	(32) 23.03.2009
(32) 12.02.2018	LI, Yan	(33) United States of America
(33) United States of America	(31) 201810558794	(51) H04W 88/08
(51) H04W 74/00	(32) 01.06.2018	H04L 29/14
H04W 74/08	(33) China	H04W 28/02
(11) EP3451781	(51) H04W 76/27	H04L 29/06
(21) EP17795621.6	H04W 76/19	H04W 28/08
(47) 22.06.2022	H04W 68/00	(11) EP3873167
(87) CN2017084173	(11) EP3657899	(21) EP20215151.0
16.11.2017	(21) EP20150540.1	(47) 22.06.2022
(22) 12.05.2017	(47) 22.06.2022	(22) 17.12.2020
(54) DATA TRANSMISSION METHOD,	(22) 09.02.2018	(54) CELLULAR TELECOMMUNICATIONS
NETWORK APPARATUS, AND USER	(54) METHOD AND APPARATUS FOR	NETWORK
EQUIPMENT	INACTIVE MODE OPERATION IN A	(73) British Telecommunications public limited
(73) Huawei Technologies Co., Ltd.	WIRELESS COMMUNICATION SYSTEM	company
(72) ZHANG, Chi	(73) Samsung Electronics Co., Ltd.	(72) MACKENZIE, Richard
GONG, Zhengwei	(72) Kim, Soenghun	MEHRAN, Farhad
LI, Junchao	Kim, Sangbum	(31) 202002840
(31) 201610317243	Kim, Donggun	20160023
(32) 12.05.2016	Jin, Seungri	(32) 28.02.2020
(33) China	Jang, Jaehyuk	28.02.2020
(51) H04W 74/08	(31) 20170020021	(33) United Kingdom
H04B 7/0452	20170018920	European Patent Office (EPO)
H04W 74/00	(32) 14.02.2017	(51) H05B 3/02
(11) EP3501230	10.02.2017	H05B 3/10
(21) EP17764900.1	(33) Korea (Republic)	H05B 3/74
(47) 22.06.2022	Korea (Republic)	H01R 4/30
(87) IB2017054827	(51) H04W 88/02	(11) EP3706507
22.02.2018	G06F 7/08	(21) EP18874708.3
(22) 07.08.2017	G06K 19/077	(47) 22.06.2022
(54) LISTEN-BEFORE-TALK IN UPLINK	(11) EP3697172	(87) JP2018036650
MULTIUSER MIMO SYSTEMS	(21) EP18892620.8	09.05.2019
(73) Telefonaktiebolaget LM Ericsson (publ)	(47) 22.06.2022	(22) 01.10.2018

(54) HEATER AND METHOD OF MANUFACTURING SAME	(31) 201804162 201803354 201803352	(54) METHOD FOR THE PRECISE AUTOMATIC ADDRESSING OF BUS SUBSCRIBERS WITH APPLICABLE SELF-CALIBRATION IN A DIFFERENTIAL CAN BUS SYSTEM
(73) Momentive Technologies Japan K.K.	(32) 15.03.2018 01.03.2018 01.03.2018	(73) Elmos Semiconductor SE
(72) MATSUI, Yoshihiko	(33) United Kingdom United Kingdom United Kingdom	(72) Gärtner, Nico Niendorf, Jürgen
(31) 2017209520	(51) H05B 45/382	(31) 102020109717
(32) 30.10.2017	H05B 45/50	(32) 07.04.2020
(33) Japan	H02M 3/335	(33) Germany
(51) H05B 6/12	H02J 9/06	(51) H05K 1/18
(11) EP3784001	(11) EP3695688	H01L 23/538
(21) EP20181810.1	(21) EP18796932.4	H01L 23/00
(47) 22.06.2022	(47) 22.06.2022	H01L 21/683
(22) 24.06.2020	(87) EP2018080098	H01L 25/16
(54) INDUCTION COOKING SYSTEM FOR INDUCTION COOKING SYSTEM COMPRISING A TEMPERATURE SENSOR, INDUCTION COOKING SYSTEM AND METHOD FOR OPERATING THE INDUCTION COOKING SYSTEM	(23.05.2019 2020.05.11.2018)	H01L 27/14 H01L 31/0203 H01L 27/146 H01L 21/56 H05K 1/02
(73) Miele & Cie. KG	(54) EMERGENCY LIGHT OPERATING DEVICE, EMERGENCY LIGHT MODULE AND METHOD FOR CONTROLLING AN EMERGENCY LIGHT OPERATING DEVICE	(11) EP2239773 (21) EP09707063.5 (47) 22.06.2022 (87) JP2009050530 06.08.2009 (22) 16.01.2009
(72) Böhm, Christian Gehring, Nils Marius	(73) Tridonic GmbH & Co. KG	(54) MANUFACTURING METHOD OF A SEMICONDUCTOR CHIP PACKAGE
(31) 102019119731	(72) SACCAVINI, Lukas MAKWANA, Deepak	(73) Invensas Corporation
(32) 22.07.2019	(31) 102017220553	(72) UEDA, Hirotaka ISHIHARA, Masamichi
(33) Germany	(32) 17.11.2017	(31) 2008020775
(51) H05B 6/64	(33) Germany	(32) 31.01.2008
(11) EP3794906	(51) H05B 45/395	(33) Japan
(21) EP19720579.2	H01C 7/02	(51) H05K 5/02
(47) 22.06.2022	H05B 45/56	H04R 1/02
(87) EP2019060922	(11) EP3829269	G06F 1/18
21.11.2019	(21) EP20192604.5	(11) EP3565392
(22) 29.04.2019	(47) 22.06.2022	(21) EP17888726.1
(54) OPERATING A HOUSEHOLD MICROWAVE APPLIANCE	(22) 25.08.2020	(47) 22.06.2022
(73) BSH Hausgeräte GmbH	(54) VEHICLE LUMINAIRE AND VEHICLE LAMP	(87) JP2017045519 05.07.2018
(72) DE VRIES, Markus KUCHLER, Markus	(73) Toshiba Lighting & Technology Corporation	(22) 19.12.2017
(72) BLUMENTHAL, Peter BÖTTCHER, Christian	(72) KOSUGI, Daisuke	(54) HANDLE COMPONENT, PORTABLE ELECTRONIC DEVICE, AND SPEAKER DEVICE
(31) 102018207614	(31) 2019214180	(73) Yamaha Corporation
(32) 16.05.2018	(32) 27.11.2019	(72) IOKU, Kenta FUJIMORI, Hiroki
(33) Germany	(33) Japan	(31) 2016257141 (32) 28.12.2016 (33) Japan
(51) H05B 45/20	(51) H05B 47/18	(51) H05K 7/14
F21V 14/00	(11) EP3893607	(11) EP3758459
F21S 2/00	(21) EP20185496.5	(21) EP20157900.0
(11) EP3330606	(47) 22.06.2022	(47) 22.06.2022
(21) EP17201367.4	(22) 13.07.2020	(22) 18.02.2020
(47) 22.06.2022	(54) A DIFFERENTIAL TWO-WIRE DATA BUS SYSTEM AND METHOD FOR LOCATION-SPECIFIC AUTOMATIC ADDRESSING OF BUS SUBSCRIBERS IN A DIFFERENTIAL TWO-WIRE DATA BUS SYSTEM	(54) CABLE MANAGEMENT ASSEMBLY
(22) 16.04.2013	(73) Elmos Semiconductor SE	(73) King Slide Technology Co., Ltd. King Slide Works Co., Ltd.
(54) CONTROLLABLE LIGHTING BY TIME MULTIPLEXING SWITCHABLE OPTICAL ELEMENTS	(72) Wagenknecht, Christian Fiedler, Michael	(72) CHANG, Wei-Chen WANG, Chun-Chiang YANG, Shun-Ho CHEN, Ken-Ching
(73) Signify Holding B.V.	(31) 102020109717	(31) 108122506
(72) EDWARDS, Martin, John	(32) 07.04.2020	(32) 25.06.2019
(31) 201261635940 P	(33) Germany	(33) Taiwan, Province of China
(32) 20.04.2012	(51) H05B 47/18	
(33) United States of America	(11) EP3920667	
(51) H05B 45/38	(21) EP21182457.8	
H05B 47/19	(47) 22.06.2022	
(11) EP3760004	(22) 13.07.2020	
(21) EP19715187.1		
(47) 22.06.2022		
(87) GB2019050558		
06.09.2019		
(22) 28.02.2019		
(54) DIMMABLE LIGHT SOURCE		
(73) Broseley Limited		
(72) BAYES, Kevin		

- (51) H05K 7/20
(11) EP3849293
(21) EP19862380.3
(47) 22.06.2022
(87) CN2019105658
26.03.2020
(22) 12.09.2019
(54) CLOSED COLD POOL SYSTEM
(73) ZTE Corporation
(72) TANG, Hongxuan
LIU, Fan
(31) 201811093068
(32) 19.09.2018
(33) China
-
- (51) H05K 7/20
(11) EP3723462
(21) EP19168055.2
(47) 22.06.2022
(22) 09.04.2019
(54) COOLING SYSTEM, IN PARTICULAR
FOR ELECTRONICS CABINETS, AND
ELECTRONICS CABINET WITH A
COOLING SYSTEM
(73) PfannenberG GmbH
(72) HALM, Nils Peter
MARLOW, Christopher
Fuller, Russell
STARP, Peter
-
- (51) H05K 13/04
H05K 13/08
(11) EP3407695
(21) EP16886273.8
(47) 22.06.2022
(87) JP2016051432
27.07.2017
(22) 19.01.2016
(54) COMPONENT MOUNTING MACHINE
(73) Fuji Corporation
(72) ITO, Hidetoshi
-
- (51) H05K 13/08
H04N 5/232
H05K 13/04
G06T 3/40
(11) EP3322275
(21) EP15897679.5
(47) 22.06.2022
(87) JP2015069427
12.01.2017
(22) 06.07.2015
(54) MOUNTING DEVICE, PHOTOGRAPHIC
PROCESSING METHOD, AND
PHOTOGRAPHIC UNIT
(73) FUJI Corporation
(72) AMANO, Masafumi
KOTANI, Kazuya
-

EP3

Voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 (1, 6) van de Octrooiwet 1995.

Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.

(51) A01B 15/02	(33) European Patent Office (EPO)	(31) 102019214871
A01B 35/26	(47) 23.03.2022	202019100334 U
(11) EP3516938	(51) A01G 9/12	(32) 27.09.2019
(21) EP18153860.4	A01G 31/02	22.01.2019
(22) 29.01.2018	C02F 3/32	(33) Germany
(54) SOIL WORKING TOOL	(11) EP3572380	Germany
(73) Boehlerit GmbH & Co. KG.	(21) EP18742087.2	(47) 30.03.2022
(72) BÄRNTHALER, Walter	(22) 16.01.2018	(51) A01G 31/02
BURBÖCK, Hannes	(54) SYSTEM AND METHOD FOR	A23L 33/105
(74) ir. A.R. Aalbers	IMPLANTING, EXTRACTING AND/OR	(11) EP3829326
(47) 23.03.2022	OPERATING PHYTOREMEDIATION	(21) EP19748777.0
(51) A01B 59/041	PLANT FILTERS FOR WASTEWATER	(22) 26.07.2019
A01B 61/02	(73) Cicero Fernández, Diego	(54) PROCESS FOR THE PREPARATION
A01B 63/111	Asociación Ria	OF A RAW MATERIAL ENRICHED
(11) EP3513640	(72) CICERO FERNÁNDEZ, Diego	WITH ISOTHIOCYANATES AND
(21) EP19152299.4	(74) ir. F.A. Geurts c.s.	POLYPHENOLS
(22) 17.01.2019	(31) 201730049	(73) SICIT Group Spa
(54) METHOD FOR DAMPING TRAVEL-	(32) 17.01.2017	(72) PATTINI, Andres
INDUCED OSCILLATION	(33) Spain	RUMIGNANI, Alberto
(73) Deere & Company	(47) 16.03.2022	ALBERT, Gretel
(72) Gresch, Valentin	(51) A01G 9/26	ESTIGARRIBIA SCHININI, Victor
Reinmuth, Florian	(11) EP3440926	POVOLO, Chiara
Kremmer, Martin	(21) EP18191763.4	NERESINI, Massimo
(74) ir. A. Blokland c.s.	(22) 06.09.2015	PITUELLO, Chiara
(31) 102018200888	(54) EXTRUDED CHANNEL PLATE AS	(74) dr. R.C. van Duijvenbode c.s.
(32) 19.01.2018	BASIS FOR INTEGRATED FUNCTIONS	(31) 201800007593
(33) Germany	(73) Signify Holding B.V.	(32) 27.07.2018
(47) 30.03.2022	(72) HIKMET, Rifat Ata Mustafa	(33) Italy
(51) A01C 23/00	ANSEMS, Johannes Petrus Maria	(47) 18.05.2022
A01M 7/00	VAN BOMMEL, Ties	(51) A01K 97/12
(11) EP3065530	HAENEN, Ludovicus Johannes	F16B 2/00
(21) EP14796100.7	Lambertus	(11) EP3498095
(22) 10.11.2014	DIJKEN, Durandus Kornelius	(21) EP18213012.0
(54) APPARATUS FOR DISCHARGING	NIJKAMP, Rick Gerhardus	(22) 17.12.2018
LIQUID AND/OR SOLID ACTIVE	(31) 14183874	(54) A FISHING LINE MOTION SENSOR
SUBSTANCES AND METHOD FOR	(32) 08.09.2014	(73) Wolf International Limited
CONTROLLING SUCH AN APPARATUS	(33) European Patent Office (EPO)	(72) Fox, Clifford Royston
(73) HORSCH LEEB Application Systems	(47) 11.05.2022	Fox, Richard Royston
GmbH	(51) A01G 17/02	Coombes, Neil John
(72) LEEB, Theodor	(11) EP3735823	(74) dr. R.C. van Duijvenbode c.s.
HIRTHAMMER, Otto	(21) EP20167880.2	(31) 201721166
(74) dr. R.C. van Duijvenbode c.s.	(22) 03.04.2020	(32) 18.12.2017
(31) 102013112344	(54) LEAF-REMOVER HEAD	(33) United Kingdom
(32) 10.11.2013	(73) ML Macchine di De Giovanelli Mirco	(47) 27.04.2022
(33) Germany	(72) De Giovanelli, Mirco	(51) A01M 1/20
(47) 30.03.2022	(74) ir. W.J.J.M. Kempes	(11) EP3096613
(51) A01G 9/02	(31) 201900006544	(21) EP15705729.0
A01G 20/20	(32) 06.05.2019	(22) 21.01.2015
(11) EP2947980	(33) Italy	(54) IMPROVED MAT STRUCTURE WITH
(21) EP14701704.0	(47) 23.03.2022	INSECTICIDE
(22) 21.01.2014	(51) A01G 23/04	(73) THERMACELL REPELLENTS, INC.
(54) PRE-VEGETATED VEGETATION	(11) EP3685658	(72) MORHAIN, Cedric
ELEMENT	(21) EP20152374.3	MARCHETTI, Fabio
(73) Low & Bonar B.V.	(22) 17.01.2020	(74) ir. F.A. Geurts c.s.
(72) WOHLFAHRT, Karl	(54) DEVICE FOR CUTTING UNDER AND	(31) 201461929612 P
(74) J.M.H. Duyver lic.	REMOVING ROOT BALES	(32) 21.01.2014
(31) 13152290	(73) Elsen, Freddy	(33) United States of America
(32) 23.01.2013	(72) Elsen, Freddy	(47) 06.04.2022
	(74) dr. A. Krebs	(51) A01M 13/00

B65D 81/26	European Patent Office (EPO)	C12M 1/04
B65D 81/24	(47) 04.05.2022	C12M 1/34
A23L 3/3409	(51) A21C 5/08	(11) EP3258794
(11) EP2534067	A23G 1/04	(21) EP15714760.4
(21) EP11741746.9	A23G 3/02	(22) 20.02.2015
(22) 09.02.2011	A21C 5/00	(54) METHOD AND DEVICE FOR THE
(54) GAS PORTAL FOR A STRUCTURE	(11) EP3827667	BIOTECHNOLOGICAL REDUCTION OF
AND METHOD FOR INSTALLING THE	(21) EP19212301.6	SUGARS IN FRUIT EDUCTS FOR THE
SAME	(22) 28.11.2019	PURPOSE OF OBTAINING REDUCED-
(73) Asiaworld Shipping Services Pty Ltd	(54) FOOD DEPOSITING APPARATUS	SUGAR FRUIT PRODUCTS
(72) IVANINE, Serguei	(73) Aasted ApS	(73) Loibl Verwaltungs- GmbH
(74) dr. W.A.H.M. Van Borm	(72) Prætorius, Michael	(72) WESTERMEIER, Rosina
(31) 2010900518	(74) dr. R.C. van Duijvenbode c.s.	JÄGER, Astrid
(32) 09.02.2010	(47) 13.04.2022	LÖTZBEYER, Thomas
(33) Australia	(51) A21C 9/06	(74) dr. R.C. van Duijvenbode c.s.
(47) 30.03.2022	A23P 20/20	(47) 06.04.2022
(51) A01N 25/00	(11) EP3740075	(51) A23L 2/54
A01C 1/06	(21) EP19703173.5	B01F 3/04
A01H 3/00	(22) 14.01.2019	F16K 15/18
A01H 17/00	(54) FOLDING AND ROLLING TABLE FOR	F17C 13/04
C12R 1/01	MANUFACTURING FOODSTUFF	(11) EP2440074
C12N 1/04	ROLLS	(21) EP10786434.0
C05F 11/08	(73) Bretinov	(22) 09.06.2010
A01N 63/00	(72) AUFFRET, Pierre	(54) APPARATUS FOR ADDING A GAS TO A
(11) EP3498067	(74) ir. F.A. Geurts c.s.	LIQUID-FILLED BOTTLE
(21) EP19154703.3	(31) 1850357	(73) Ottoson, Åke
(22) 21.06.2013	(32) 16.01.2018	(72) Ottoson, Åke
(54) METHOD FOR PRODUCING PLANT	(33) France	(74) J.M.H. Duyver lic.
SEED CONTAINING ENDOPHYTIC	(47) 16.03.2022	(31) 0900801
MICRO-ORGANISMS	(51) A22C 21/00	(32) 12.06.2009
(73) AIT Austrian Institute of Technology	(11) EP3689148	(33) Sweden
GmbH	(21) EP19154189.5	(47) 30.03.2022
(72) MITTER, Birgit	(22) 29.01.2019	(51) A23L 27/26
NAVEED, Muhammad	(54) HOLDING DEVICE AND METHOD	A23L 27/10
SESSITSCH, Angela	FOR HOLDING GUTTED POULTRY	A23L 33/145
(74) ir. F.A. Geurts c.s.	CARCASSES OR PARTS THEREOF	A23L 23/00
(31) 12173124	DURING PROCESSING IN AN	(11) EP3869977
(32) 22.06.2012	APPARATUS FOR THE PROCESSING	(21) EP19784082.0
(33) European Patent Office (EPO)	OF GUTTED POULTRY CARCASSES	(22) 15.10.2019
(47) 16.03.2022	OR PARTS THEREOF	(54) PROCESS FOR THE PREPARATION
(51) A01N 59/20	(73) Nordischer Maschinenbau Rud. Baader	OF A FLAVOURING
A01N 25/04	GmbH + Co. KG	(73) Unilever IP Holdings B.V.
A01N 43/36	(72) LANDT, Andreas	(72) BATENBURG, Amir, Maximiliaan
A01N 43/40	FISCHER, Valentin	VAN HOEK, Jacoba, Carolina
A01N 43/80	RIGGERT, Lasse	KOEK, Jean, Hypolites
A01N 59/16	(74) dr. R.C. van Duijvenbode c.s.	(74) ir. T.G.P. Reijns
A01P 9/00	(47) 09.03.2022	(31) 18202703
A01P 13/00	(51) A23C 20/02	(32) 25.10.2018
C09D 5/00	A23C 11/10	(33) European Patent Office (EPO)
(11) EP3860349	(11) EP3903601	(47) 20.04.2022
(21) EP19829410.0	(21) EP20171571.1	(51) A23L 33/00
(22) 06.12.2019	(22) 27.04.2020	A23C 9/20
(54) COPPER CHELATE COMPLEX	(54) METHODS OF PROCESSING	G01N 33/53
COMPOSITIONS FOR ANTIFOULING	CULINARY NUTS AND EXTRACTION	(11) EP3298404
PROTECTION	PRODUCTS OBTAINED BY THE SAME	(21) EP16725437.4
(73) Arxada AG	(73) Zürcher Hochschule Für Angewandte	(22) 18.05.2016
(72) IWASE, Yoshiyuki	Wissenschaften	(54) KIT-OF-PARTS TO IDENTIFY
KAPPOCK, Paul	Unico-first AG	MOTHER'S MILK MISSING
NAKAE, Takashi	(72) HÜHN, Tilo	FUCOSYLTRANSFERASE-2
RIEGLER, Jürgen	LAUX, Roland	DEPENDENT GLYCANS
VAN AKEN, Peter	(74) dr. R.C. van Duijvenbode c.s.	(73) Société des Produits Nestlé S.A.
SCHRÖER, Josef	(47) 20.04.2022	(72) SPRENGER, Norbert
(74) dr. R.C. van Duijvenbode c.s.	(51) A23L 2/02	BRASSART, Dominique
(31) 201862775991 P	A23L 2/38	(74) ir. F.A. Geurts c.s.
18210812	A23L 2/84	(31) 15168137
(32) 06.12.2018	C12N 1/20	(32) 19.05.2015
06.12.2018	C12N 9/04	(33) European Patent Office (EPO)
(33) United States of America		(47) 20.04.2022

(51) A24D 1/02	(51) A47J 29/00	A61B 5/157
D21H 27/00	(11) EP3673774	(11) EP3766408
D21H 17/66	(21) EP19220041.8	(21) EP20195922.8
(11) EP3654785	(22) 30.12.2019	(22) 24.03.2011
(21) EP18755455.5	(54) COOKING DEVICE FOR FOOD	(54) MEDICAL DEVICE INSERTERS
(22) 14.08.2018	(73) Chiu, Yung Ching	(73) Abbott Diabetes Care, Inc.
(54) WRAPPING PAPER FOR A SMOKING ARTICLE	(72) Chiu, Yung Ching	(72) DONNAY, Manuel Luis Miguel
(73) JT International SA	(74) ir. W.J.J.M. Kempes	ROBINSON, Peter
(72) ONO, Hiroyoshi	(31) 107147502	PACE, Louis
(74) ir. W.J.J.M. Kempes	(32) 27.12.2018	NGUYEN, Tuan
(31) 17187689	(33) Taiwan, Province of China	(74) ir. F.A. Geurts c.s.
(32) 24.08.2017	(47) 30.03.2022	(31) 41126210 P
(33) European Patent Office (EPO)	(51) A47J 31/44	36137410 P
(47) 30.03.2022	A47J 31/60	34556210 P
(51) A24F 40/70	(11) EP3820335	31724310 P
B65G 54/02	(21) EP19768892.2	(32) 08.11.2010
(11) EP3687325	(22) 11.07.2019	02.07.2010
(21) EP18782522.9	(54) APPARATUS FOR MAKING A BEVERAGE, COMPRISING AN IMAGE ACQUISITION DEVICE	17.05.2010
(22) 24.09.2018	(73) Caffitaly System S.P.A.	24.03.2010
(54) SYSTEM FOR CONVEYING ELECTRONIC CIGARETTE COMPONENTS	(72) CATI, Ivan	(33) United States of America
(73) G.D S.p.A.	DIAMANTI, Maurizio	United States of America
(72) LANZARINI, Luca	(74) dr. R.C. van Duijvenbode c.s.	United States of America
TESTONI, Luca	(31) 20180007178	United States of America
MORETTI, Carlo	(32) 13.07.2018	United States of America
FEDERICI, Luca	(33) Italy	United States of America
DEGLIESPOSTI, Paolo	(47) 23.03.2022	(47) 27.04.2022
(74) dr. R.C. van Duijvenbode c.s.	(51) A47J 37/07	(51) A61B 5/02
(31) 201700109192	A47J 37/06	A61B 5/0215
(32) 29.09.2017	F24C 3/12	(11) EP3781026
(33) Italy	(11) EP3603466	(21) EP18822528.8
(47) 13.04.2022	(21) EP19189338.7	(22) 09.11.2018
(51) A47B 43/04	(22) 31.07.2019	(54) ASSESSMENT OF A VESSEL
A47B 61/00	(54) DEVICE FOR REGULATING THE TEMPERATURE OF A GRILL, ESPECIALLY A GAS GRILL	(73) ACIST Medical Systems, Inc.
A47B 96/20	(73) examedia GmbH	(72) WILSON, Robert F.
A47B 43/02	(72) Asshauer, Klaus	SNYDER, Thomas M.
(11) EP3253252	Hilzinger, Rolf	SUH, Jung W.
(21) EP16701863.9	(74) ir. W.J.J.M. Kempes	SUCHECKI, Todd
(22) 21.01.2016	(31) 102018118850	(74) J.M.H. Duyver lic.
(54) FURNITURE UNIT	(32) 02.08.2018	(31) 201862660521 P
(73) Foldsmart Ltd	(33) Germany	(32) 20.04.2018
(72) VINCENT, Pelham James	(47) 09.03.2022	(33) United States of America
(74) ir. H.J.G. Lips c.s.	(51) A47L 9/00	(47) 18.05.2022
(31) 201501789	A47L 1/05	(51) A61B 5/024
(32) 03.02.2015	A47L 7/00	A61B 5/1455
(33) United Kingdom	(11) EP3758569	(11) EP3160337
(47) 30.03.2022	(21) EP18707363.0	(21) EP15736679.0
(51) A47G 25/40	(22) 26.02.2018	(22) 26.06.2015
D06F 57/00	(54) PORTABLE HARD-SURFACE CLEANING APPLIANCE	(54) BODY WORN MEASUREMENT DEVICE
(11) EP3669710	(73) Alfred Kärcher SE & Co. KG	(73) Scint B.V.
(21) EP19788432.3	(72) MARTINKENAS, Saulius	(72) SCHILTHUIZEN, Stephanus Franciscus
(22) 05.03.2019	KROHM, Daniel	(74) ir. H.A. Witmans c.s.
(54) HANGER	FROHMADER, Christoph	(31) 1041276
(73) Sekura Corporation	BELZ, Hannes	2013091
(72) SEKURA, Norio	STEWEN, Christian	(32) 16.04.2015
(74) dr. R.C. van Duijvenbode c.s.	ZUGER, Jürgen	30.06.2014
(31) 2019021733	(74) ir. A. Blokland c.s.	(33) Netherlands
2018174945	(47) 06.04.2022	Netherlands
2018078503	(51) A61B 5/00	(47) 06.04.2022
(32) 08.02.2019	A61B 5/145	(51) A61B 5/107
19.09.2018	A61B 5/15	A61B 5/00
16.04.2018	A61B 5/151	A61B 17/17
(33) Japan	A61B 5/01	A61F 2/46
Japan	A61M 5/158	(11) EP3742970
Japan		(21) EP19721377.0
(47) 04.05.2022		(22) 28.01.2019
		(54) DYNAMIC LIGAMENT BALANCING SYSTEM WITH PIN POSITIONING BLOCK
		(73) MIT Entwicklungs-GmbH
		(72) PASZICSNYEK, Thomas

(74) J.M.H. Duyver lic.	(32) 19.11.2013	(22) 17.10.2016
(31) 201815880955	(33) United States of America	(54) IMPROVED ENERGY-DELIVERING SYSTEM
(32) 26.01.2018	(47) 09.03.2022	(73) Medical Development Technologies S.A.
(33) United States of America	(51) A61B 17/12	(72) VAN LANGENHOVE, Glenn
(47) 16.03.2022	A61B 17/00	(74) ir. J.P.E. Brants
(51) A61B 5/11	(11) EP3256059	(31) 16184126
(11) EP3508120	(21) EP16706953.3	16184127
(21) EP16915086.9	(22) 10.02.2016	(32) 12.08.2016
(22) 30.08.2016	(54) VASCULAR OCCLUSION DEVICES	12.08.2016
(54) INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING SYSTEM AND INFORMATION PROCESSING METHOD	(73) Boston Scientific Scimed, Inc.	(33) European Patent Office (EPO)
(73) Fujitsu Limited	(72) CONNOLLY, Joseph, Michael	European Patent Office (EPO)
(72) SASAMOTO, Yuki	(74) ir. A.R. Aalbers	(47) 20.04.2022
NAKATA, Yasuyuki	(31) 201562114488 P	(51) A61C 7/08
MAEDA, Kazuho	(32) 10.02.2015	(11) EP3478214
HOTTA, Shinji	(33) United States of America	(21) EP17729721.5
INOMATA, Akihiro	(47) 23.03.2022	(22) 02.06.2017
(74) ir. C.G.C. Veldman-Dijkers	(51) A61B 17/16	(54) ORTHODONTIC PLASTIC SHELL WITH REINFORCEMENT INSERT
(47) 08.06.2022	A61B 90/00	(73) Align Technology, Inc.
(51) A61B 5/15	(11) EP3787529	(72) TANUGULA, Rohit
A61B 5/157	(21) EP19723989.0	TJHIA, Crystal
(11) EP3711670	(22) 01.05.2019	TE, Dennis
(21) EP20169408.0	(54) POWERED SURGICAL DRILL HAVING TRANSDUCER ASSEMBLY INCLUDING AT LEAST TWO ROTATION SENSOR DEVICES FOR USE IN DETERMINING BORE DEPTH OF A DRILLED HOLE	CAM, Bruce
(22) 03.05.2017	(73) Stryker Corporation	(74) ir. F.A. Geurts c.s.
(54) BODY FLUID EXTRACTION DEVICE	(72) CARUSILLO, Steve	(31) 201615199598
(73) midge medical GmbH	(74) J.M.H. Duyver lic.	(32) 30.06.2016
(72) Riester, Markus	(31) 201862665024 P	(33) United States of America
Diebold, Michael	(32) 01.05.2018	(47) 20.04.2022
Bungartz, Jörn	(33) United States of America	(51) A61C 13/00
(74) ir. H.A. Witmans c.s.	(47) 16.03.2022	A61C 13/09
(31) 102016207815	(51) A61B 17/29	(11) EP3669818
(32) 04.05.2016	(11) EP3752078	(21) EP18214891.6
(33) Germany	(21) EP19714872.9	(22) 20.12.2018
(47) 16.03.2022	(22) 07.02.2019	(54) DENTAL MULTICOLOUR GRINDING BLOCK
(51) A61B 6/04	(54) SURGICAL INSTRUMENT WITH MECHANICALLY OPERABLE LEVER	(73) Ivoclar Vivadent AG
(11) EP3678548	(73) Deam Holding B.V.	(72) Lanbacher, Karl
(21) EP18762738.5	(72) SCHELTES, Julien Serge	Sprenger, Dirk
(22) 21.08.2018	(74) dr. R.C. van Duijvenbode c.s.	Mitterhofer, Martin
(54) PEDIATRIC SUPPORT SYSTEM AND METHOD FOR MEDICAL IMAGING	(31) 2020421	Häfele, Clemens Andreas
(73) General Electric Company	(32) 12.02.2018	Hagenbuch, Konrad
(72) PAUTSCH, Adam Gregory	(33) Netherlands	(74) J.M.H. Duyver lic.
MANN, William Harrison	(47) 06.04.2022	(47) 11.05.2022
LAMB, Joshua Thomas	(51) A61B 17/56	(51) A61C 17/22
COHEN, Adam Israel	A61F 2/40	(11) EP3773326
(74) dr. R.C. van Duijvenbode c.s.	A61B 17/17	(21) EP19752075.2
(31) 201715695172	A61F 2/30	(22) 10.07.2019
(32) 05.09.2017	(11) EP3078339	(54) DEVICE FOR CLEANING TEETH
(33) United States of America	(21) EP16167719.0	(73) Ehmman & Partner GmbH
(47) 18.05.2022	(22) 14.03.2012	(72) HARBARTH, Klaus
(51) A61B 8/00	(54) DEVICE FOR RETROVERSION CORRECTION FOR SHOULDER ARTHROPLASTY	ERLEWEIN, Marco
G06T 7/20	(73) DePuy Synthes Products, LLC	(74) dr. R.C. van Duijvenbode c.s.
G01S 7/52	(72) LAPPIN, Kyle	(31) 202018003268 U
G01S 15/89	DE WILDE, Lieven	(32) 13.07.2018
G01S 15/58	(74) dr. R.C. van Duijvenbode c.s.	(33) Germany
(11) EP3071111	(31) 201113051041	(47) 04.05.2022
(21) EP14864864.5	(32) 18.03.2011	(51) A61F 2/02
(22) 13.11.2014	(33) United States of America	A61F 5/44
(54) APPARATUS FOR ULTRASOUND FLOW VECTOR IMAGING AND METHODS THEREOF	(47) 04.05.2022	A61F 5/451
(73) Versitech Limited	(51) A61B 18/00	A61F 5/455
(72) YU, Cheuk Hang, Alfred	(11) EP3496639	A61F 6/08
YIU, Yat Shun	(21) EP16784471.1	A61F 13/20
(74) ir. A.E. Dekker-Garms		A61F 13/26
(31) 201361905974 P		(11) EP3573576
		(21) EP17894083.9
		(22) 29.12.2017

(54) STRESS URINARY INCONTINENCE (SUI) DEVICE	SIMA, Harald SEYR, Martin	(21) EP18812088.5 (22) 21.11.2018
(73) Liv Labs Inc.	(74) dr. R.C. van Duijvenbode c.s.	(54) WATER-SOLUBLE POLYMER ADHESIVE LAYERS
(72) PRICE, Eric Justin PRICE, Carly Rachel	(31) 102016118999 (32) 06.10.2016	(73) LTS Lohmann Therapie-Systeme AG
(74) ir. W.J.J.M. Kempes	(33) Germany	(72) LINN, Michael
(31) 201762499427 P	(47) 16.03.2022	BAUER, Marius
(32) 24.01.2017	(51) A61F 13/532	MÜLLER, Markus
(33) United States of America	A61F 13/533	(74) ir. H.A. Witmans c.s.
(47) 16.03.2022	A61F 13/15	(31) 102017127452
(51) A61F 2/14	A61F 13/475	(32) 21.11.2017
(11) EP3273909	(11) EP3760176	(33) Germany
(21) EP16707697.5	(21) EP20189353.4	(47) 23.03.2022
(22) 26.02.2016	(22) 21.12.2017	(51) A61K 9/08
(54) ARTIFICIAL DESCEMET'S MEMBRANE	(54) ABSORBENT CORE, ARTICLES COMPRISING SAID CORE, AND METHODS OF MAKING	A61K 9/10
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(73) Ontex BV	A61K 47/10
(72) GUTERMUTH, Angela	Ontex Group NV	A61K 47/22
(74) dr. R.C. van Duijvenbode c.s.	(72) HEEGE, Thomas	A61K 47/26
(31) 102015205534	BREU, Manfred	A61K 31/5513
(32) 26.03.2015	MAILINGER, Christel	A61K 31/355
(33) Germany	WEBER, Ainas	A61K 45/06
(47) 06.04.2022	(74) dr. R.C. van Duijvenbode c.s.	A61P 25/08
(51) A61F 2/16	(31) 201700132	(11) EP3415139
(11) EP3191022	16206993	(21) EP18171484.1
(21) EP15839905.5	(32) 27.09.2017	(22) 13.06.2012
(22) 08.09.2015	27.12.2016	(54) ADMINISTRATION OF BENZODIAZEPINE
(54) OPHTHALMIC IMPLANTS WITH EXTENDED DEPTH OF FIELD AND ENHANCED DISTANCE VISUAL ACUITY	(33) Belgium	(73) Neurelis, Inc.
(73) Staar Surgical Company	European Patent Office (EPO)	(72) MAGGIO, Edward T.
(72) PINTO, Candido, Dionisio	(47) 04.05.2022	GWOZDZ, Garry Thomas
FAY, Constance, Elizabeth	(51) A61G 7/057	CARTT, Steve
(74) dr. R.C. van Duijvenbode c.s.	A61H 9/00	HALE, David
(31) 201562149481 P	(11) EP3132781	MEDEIROS, David
201462048705 P	(21) EP16192690.2	LOXLEY, Andrew
201462048135 P	(22) 05.10.2011	MITCHNICK, Mark
(32) 17.04.2015	(54) SUPPORT APPARATUS, SYSTEM AND METHOD	(74) J.M.H. Duyver lic.
10.09.2014	(73) Dabir Surfaces, Inc.	(31) 201161570110 P
09.09.2014	(72) WYRICK, Timothy	201161497017 P
(33) United States of America	WOLF, Kenneth Andrew	(32) 13.12.2011
United States of America	DZIOBA, David A.	14.06.2011
United States of America	(74) ir. H.A. Witmans c.s.	(33) United States of America
(47) 04.05.2022	(31) 201161535294 P	United States of America
(51) A61F 2/16	390016 P	(47) 06.04.2022
G02C 7/04	(32) 15.09.2011	(51) A61K 9/14
(11) EP2512371	05.10.2010	A61K 45/06
(21) EP10798906.3	(33) United States of America	A61K 31/46
(22) 17.12.2010	United States of America	A61K 9/72
(54) SINGLE MICROSTRUCTURE LENS	(47) 13.04.2022	A61P 11/06
(73) AMO Groningen B.V.	(51) A61H 1/02	(11) EP2954891
(72) WEEBER, Hendrik, A.	A61F 5/042	(21) EP15173011.6
(74) dr. R.C. van Duijvenbode c.s.	(11) EP3808323	(22) 13.03.2009
(31) 288255 P	(21) EP20201913.9	(54) INHALATION COMPOSITION CONTAINING ACLIDINIUM FOR TREATMENT OF ASTHMA
(32) 18.12.2009	(22) 15.10.2020	(73) Almirall, S.A.
(33) United States of America	(54) STRETCHER ARRANGEMENT FOR APPLYING A STRETCHING MOVEMENT TO A PERSON	(72) LAMARCA CASADO, Rosa DE MIQUEL SERRA, Gonzalo
(47) 13.04.2022	(73) LLD Nybohov Invest AB	(74) dr. R.C. van Duijvenbode c.s.
(51) A61F 2/64	(72) LUNDBLAD, Leif J.I.	(31) 08382010
(11) EP3522835	(74) ir. J.C. Volmer c.s.	(32) 13.03.2008
(21) EP17787359.3	(31) 1951165	(33) European Patent Office (EPO)
(22) 06.10.2017	(32) 15.10.2019	(47) 04.05.2022
(54) ARTICULATION DEVICE, HYDRAULIC DEVICE AND PROCEDURE FOR OPERATING AN ARTICULATION DEVICE	(33) Sweden	(51) A61K 31/12
(73) Otto Bock Healthcare Products GmbH	(47) 30.03.2022	A61K 8/35
(72) AUBERGER, Roland	(51) A61K 9/00	A61P 3/06
	A61K 31/122	A61K 36/9066
	(11) EP3713542	A61K 8/9794
		A61K 8/34

A61Q 19/06	A61P 31/12	(11) EP3310369
A61P 3/04	(11) EP3349758	(21) EP16812645.6
A61K 9/70	(21) EP16770866.8	(22) 20.06.2016
A61K 9/06	(22) 16.09.2016	(54) SELF-LIMITING VIRAL VECTORS
A61K 9/08	(54) METHODS FOR TREATING	ENCODING NUCLEASES
A61K 31/05	ARENAVIRIDAE VIRUS INFECTIONS	(73) Precision Biosciences, Inc.
(11) EP3187178	(73) Gilead Sciences, Inc.	(72) JANTZ, Derek
(21) EP15836003.2	(72) MACKMAN, Richard L.	SMITH, James, Jefferson
(22) 28.08.2015	JORDAN, Robert	NICHOLSON, Michael, G.
(54) COMPOSITION AND	FENG, Joy Yang	(31) 201562182186 P
PHARMACEUTICALS FOR REDUCING	SIEGEL, Dustin	(32) 19.06.2015
LOCALIZED FAT AND BODY WEIGHT	RAY, Adrian S.	(33) United States of America
AND THE USE THEREOF	CLARKE, Michael O' Neil Hanrahan	(47) 04.05.2022
(73) Caliway Biopharmaceuticals Co. Ltd.	(74) dr. R.C. van Duijvenbode c.s.	(51) A61K 38/00
(72) LING, Yu-Fang	(31) 201562239696 P	(11) EP3495380
(74) ir. C.G.C. Veldman-Dijkers	201562219302 P	(21) EP18182274.3
(31) 201462042864 P	(32) 09.10.2015	(22) 10.12.2013
(32) 28.08.2014	16.09.2015	(54) GLUCAGON AND GLP-1 CO-
(33) United States of America	(33) United States of America	AGONISTS FOR THE TREATMENT OF
(47) 08.06.2022	United States of America	OBESITY
(51) A61K 31/165	(47) 06.04.2022	(73) MedImmune Limited
C07C 233/22	(51) A61K 31/702	(72) FRITSCH-FREDIN, Maria
C07C 233/73	A61K 35/745	FAIRMAN, David
A61P 25/04	A61K 35/747	LOFMARK, Rasmus Jansson
(11) EP3860582	A23L 33/135	METCALFE, Jaqueline
(21) EP20703152.7	A23L 33/00	AGORAM, Balaji
(22) 22.01.2020	A23L 33/10	JACKSON, Ronald Henry
(54) COMPOUNDS FOR USE IN THE	A61P 1/00	ANTONSSON, Madeleine
TREATMENT OR PROPHYLAXIS	(11) EP3074020	BENTHEM, Lambertus
OF PAIN, INFLAMMATION AND/OR	(21) EP14798862.0	BEDNAREK, Maria, A
AUTOIMMUNITY	(22) 14.11.2014	BURMEISTER, Nicole
(73) Novaremed Ltd.	(54) COMPOSITIONS FOR USE IN THE	(74) ir. W.J.J.M. Kempes
(72) HETT, Robert	PREVENTION OR TREATMENT OF	(31) 201261735823 P
KAPLAN, Eli	NECROTIZING ENTEROCOLITIS IN	(32) 11.12.2012
(74) ir. F.A. Geurts c.s.	INFANTS AND YOUNG CHILDREN	(33) United States of America
(31) 19153315	(73) Société des Produits Nestlé S.A.	(47) 30.03.2022
(32) 23.01.2019	(72) SANGILD, Per Torp	(51) A61K 38/00
(33) European Patent Office (EPO)	(74) ir. F.A. Geurts c.s.	A61K 38/02
(47) 04.05.2022	(31) 13193056	A61K 38/18
(51) A61K 31/4468	(32) 15.11.2013	A61K 38/39
A61P 25/04	(33) European Patent Office (EPO)	A61L 27/14
A61P 25/02	(47) 30.03.2022	A61L 27/22
A61P 25/16	(51) A61K 35/12	A61L 27/52
A61P 25/28	A61K 48/00	A61L 27/54
A61P 25/00	C12N 5/00	A61L 27/48
A61P 9/00	C12N 5/0789	(11) EP3362079
(11) EP3768265	C12N 7/00	(21) EP16856259.3
(21) EP19715003.0	C12N 15/09	(22) 14.10.2016
(22) 14.03.2019	C12N 5/074	(54) NANOFIBER PASTE FOR GROWTH
(54) NEW CENTRALLY-ACTIVE GHRELIN	C12N 15/86	FACTOR DELIVERY AND BONE
AGONIST AND MEDICAL USES	(11) EP3518941	REGENERATION
THEREOF	(21) EP17857486.9	(73) Northwestern University
(73) Helsinn Healthcare SA	(22) 29.09.2017	(72) MCCLENDON, Mark Trosper
(72) MARTINEZ-LOI, Marielle	(54) VIRAL VECTORS FOR NUCLEAR	LEE, Sungsoo
GUAINAZZI, Angelo	REPROGRAMMING	HSU, Erin L.
PIETRA, Claudio	(73) Mayo Foundation for Medical Education	STUPP, Samuel, I.
GIULIANO, Claudio	and Research	(74) J.M.H. Duyver lic.
GARCIA RUBIO, Silvina	(72) IKEDA, Yasuhiro	(31) 201562241410 P
(74) dr. R.C. van Duijvenbode c.s.	DEVAUX, Patricia	(32) 14.10.2015
(31) 18163425	(74) ir. W.J.J.M. Kempes	(33) United States of America
(32) 22.03.2018	(31) 201662402310 P	(47) 06.04.2022
(33) European Patent Office (EPO)	(32) 30.09.2016	(51) A61K 38/00
(47) 04.05.2022	(33) United States of America	A61K 38/10
(51) A61K 31/53	(47) 09.03.2022	A61K 38/39
A61K 31/664	(51) A61K 35/76	A61P 9/10
A61K 31/683	C12N 15/86	(11) EP3522906
A61K 31/675	A61K 38/46	(21) EP17859077.4
A61K 31/685	A61K 48/00	(22) 04.10.2017

(54) COMPOUNDS AND METHODS FOR ACTIVATING TIE2 SIGNALING	(33) Netherlands United States of America	(33) United States of America European Patent Office (EPO)
(73) Asclepix Therapeutics, Inc. The Johns Hopkins University	(47) 30.03.2022	(47) 23.03.2022
(72) PANDEY, Niranjana, B. POPEL, Aleksander, S. MIRANDO, Adam GREEN, Jordan, J.	(51) A61K 38/37 C07K 14/755 A61K 47/60 A61K 47/68 G01N 33/86 A61P 7/02 A61P 43/00	(51) A61K 47/26 A61K 39/00 C07K 14/47 A61K 9/19 A61K 47/12 A61K 47/18 A61P 35/00
(74) ir. F.A. Geurts c.s. (31) 201662403786 P (32) 04.10.2016 (33) United States of America (47) 23.03.2022	(11) EP3513804 (21) EP18211156.7 (22) 06.07.2012	(11) EP3199175 (21) EP15844271.5 (22) 26.09.2015
(51) A61K 38/00 G01N 33/68 A61K 38/18	(54) FACTOR VIII CHIMERIC AND HYBRID POLYPEPTIDES, AND METHODS OF USE THEREOF	(54) PHARMACEUTICAL COMPOSITION FOR INJECTION
(11) EP3687558 (21) EP18782014.7 (22) 28.09.2018	(73) Bioverativ Therapeutics Inc. (72) BITONTI, Alan, J. PIERCE, Glenn MCKINNEY, Byron LUK, Alvin NUGENT, Karen SOMMER, Jurg OTTMER, Matt DUMONT, Jennifer A. LOW, Susan LI, Lian PETERS, Robert JIANG, Haiyan	(73) Sumitomo Dainippon Pharma Co., Ltd. (72) TANAKA, Satoshi NAKATANI, Tomomi (74) ir. J.C. Volmer c.s. (31) 2014197667 (32) 27.09.2014 (33) Japan (47) 23.03.2022
(54) METABOLIC BIOMARKERS FOR PREDICTING RESPONSIVENESS TO FGF-18 COMPOUND	(74) ir. W.J.J.M. Kempes	(51) A61L 2/04 F16L 101/40
(73) Merck Patent GmbH (72) KARSDAL, Morten BAY-JENSEN, Anne-Christine LADEL, Christoph H. QVIST, Per GUEHRING, Hans	(31) 201261657641 P 201261622789 P 201261586443 P 201161569158 P 201161541561 P 201161522647 P 201161506015 P	(11) EP3402538 (21) EP16825992.7 (22) 16.12.2016 (54) DEVICE FOR KILLING GERMS AND/OR PATHOGENIC AGENTS
(74) dr. R.C. van Duijvenbode c.s. (31) 18169324 17194220 (32) 25.04.2018 29.09.2017 (33) European Patent Office (EPO) European Patent Office (EPO) (47) 16.03.2022	(32) 08.06.2012 11.04.2012 13.01.2012 09.12.2011 30.09.2011 11.08.2011 08.07.2011	(22) 16.12.2016 (74) ir. A. Blokland c.s. (31) 92016 (32) 14.01.2016 (33) Austria (47) 16.03.2022
(51) A61K 38/08 A61K 38/01 A61K 35/745 A61K 35/747 A61P 37/08	(33) United States of America United States of America	(51) A61L 2/20 (11) EP3035971 (21) EP14758469.2 (22) 20.08.2014 (54) METHODS FOR IMPROVING RESPIRATORY SYSTEM HEALTH AND INCREASING THE CONCENTRATION OF HYPOTHIOCYANATE ION IN VERTEBRATE LUNGS
(11) EP3082842 (21) EP13811165.3 (22) 16.12.2013	(47) 23.03.2022	(73) Lee, James D. (72) Lee, James D. (74) dr. R.C. van Duijvenbode c.s. (31) 201361867971 P (32) 20.08.2013
(54) NEWLY IDENTIFIED PEPTIDES FOR USE IN THE INDUCTION OF ORAL TOLERANCE	(47) 23.03.2022	(33) United States of America (47) 23.03.2022
(73) Société des Produits Nestlé S.A. (72) PANCHAUD, Alexandre BLANCHARD, Carine NUTTEN, Sophie	(51) A61K 39/395 C07K 16/28	(51) A61L 2/22 A47L 11/00 B08B 7/00 A01N 25/06 C12N 1/20 B08B 9/00 B08B 9/027 B08B 9/08 A01N 63/22 A01N 63/20
(74) ir. F.A. Geurts c.s. (47) 13.04.2022	(11) EP3028718 (21) EP15191491.8 (22) 11.09.2007	(11) EP3573671 (21) EP18704600.8 (22) 24.01.2018
(51) A61K 38/36 A61P 7/00	(54) TREATMENT OF MULTIPLE SCLEROSIS (MS) WITH CAMPATH-1H	(54) METHOD FOR CLEANING SURFACES IN INTERIOR SPACES AND IN
(11) EP3335723 (21) EP18153673.1 (22) 16.06.2015	(73) Alcafe Management GmbH & Co. KG Genzyme Corporation (72) MARGOLIN, David Harris SACHSE, Andreas (74) ir. W.J.J.M. Kempes (31) 844251 P 06090169	
(54) IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS FOR USE IN METHODS OF TREATING TTP	(32) 13.09.2006 14.09.2006	
(73) Ablynx NV (72) Duby, Christian (74) ir. W.J.J.M. Kempes (31) 2013007 201462030817 P (32) 16.06.2014 30.07.2014		

TECHNICAL EQUIPMENTS WITH BENIGN BACTERIA	(33) United States of America	17190836
(73) Living Technologies, coöperatieve vennootschap met beperkte aansprakelijkheid	(47) 09.03.2022	(32) 14.09.2017
(72) WILLOCX, Filip Willem Maria DE KOSTER, Koen	(51) A61L 27/26	13.09.2017
(31) 201705044	A61L 27/50	(33) Switzerland
(32) 25.01.2017	(11) EP3417886	European Patent Office (EPO)
(33) Belgium	(21) EP18181496.3	(47) 16.03.2022
(47) 13.04.2022	(22) 22.10.2012	(51) A61N 1/40
(51) A61L 9/00	(54) COLLAGEN-POLYSACCHARIDE MATERIALS MIMICKING BLOOD	A61N 1/04
A61L 2/14	VESSELS, TISSUES AND BONES	A61N 1/36
A61L 9/03	(73) Viscofan Collagen USA Inc.	G16H 50/50
B01J 8/00	(72) Shedlock, Michael T.	G16H 30/00
C02F 1/46	Goldfarb, Eugene	(11) EP3554631
(11) EP3307332	Guzman, Norberto A.	(21) EP17832555.1
(21) EP15894524.6	Battersby, Richard E.	(22) 13.12.2017
(22) 09.06.2015	Mathews, David E.	(54) TREATING PATIENTS WITH TTFIELDS WITH THE ELECTRODE POSITIONS OPTIMIZED USING DEFORMABLE TEMPLATES
(54) PLASMA REACTOR ASSEMBLY FOR DISINFECTING A FLUID	(74) ir. A. Blokland c.s.	(73) Novocure GmbH
(73) Riedel Filtrertechnik GmbH	(31) 201161550104 P	(72) URMAN, Noa
(72) Schieven, Johannes	(32) 21.10.2011	BOMZON, Zeev
(74) J.M.H. Duyver lic.	(33) United States of America	(74) dr. R.C. van Duijvenbode c.s.
(47) 13.04.2022	(47) 16.03.2022	(31) 201662433501 P
(51) A61L 27/06	(51) A61L 27/38	(32) 13.12.2016
A61L 27/50	A61L 27/50	(33) United States of America
(11) EP3302587	A61F 2/04	(47) 23.03.2022
(21) EP16727654.2	A61F 2/06	(51) A63F 9/24
(22) 26.05.2016	C12M 3/00	A63F 13/49
(54) PROCESS FOR THE PREPARATION OF A TOPOGRAPHY FOR IMPROVED BLOOD COAGULATION AND/OR CELL ATTACHMENT ON A BODY MADE OF A TITANIUM ALLOY	C12M 1/26	(11) EP2825270
(73) Straumann Holding AG	G16H 50/50	(21) EP13760882.4
(72) BERNER, Simon	(11) EP2949350	(22) 07.03.2013
(74) ir. H.A. Witmans c.s.	(21) EP14170465.0	(54) SYSTEM AND METHOD FOR CAPTURING AND SHARING CONSOLE GAMING DATA
(31) 201508958	(22) 29.05.2014	(73) Sony Computer Entertainment America LLC
(32) 26.05.2015	(54) Artificial hollow biological tissue network and method for preparation thereof	(72) GARY, Nathan
(33) United Kingdom	(73) Sabanci Universitesi	(74) ir. W.J.J.M. Kempes
(47) 06.04.2022	(72) Özler, Saime Burce	(31) 201213418720
(51) A61L 27/18	Küçükgül, Can	(32) 13.03.2012
A61L 27/28	Koc, Bahattin	(33) United States of America
A61L 27/48	(74) ir. A.R. Aalbers	(47) 04.05.2022
A61L 27/52	(47) 11.05.2022	(51) A63G 31/00
A61L 27/54	(51) A61M 5/315	G01M 9/04
A61L 29/06	A61M 5/50	B64D 23/00
A61L 29/08	(11) EP3554587	(11) EP3417261
A61L 29/16	(21) EP17880805.1	(21) EP17753575.4
A61K 31/00	(22) 13.12.2017	(22) 14.02.2017
D06M 14/32	(54) EMBEDDED MULTIPLE-PART SENSOR WITHIN A PLUNGER ROD TO CAPTURE AND TRANSMIT INJECTION INFORMATION	(54) WIND TUNNEL FOR HUMAN FLIGHT
D06M 15/03	(73) MedImmune, LLC	(73) Inclined Labs AB
D06M 15/15	(72) SUBRAMONY, Jarardhanan, Anand	(72) STRÖMBERG, Johan
D01D 5/00	SONG, Michael, C.	GEORÉN, Peter
D06M 101/32	(74) ir. W.J.J.M. Kempes	WESTMAN, Anton
(11) EP3337464	(31) 201662434131 P	(31) 1650199
(21) EP16837731.5	(32) 14.12.2016	(32) 15.02.2016
(22) 17.08.2016	(33) United States of America	(33) Sweden
(54) IN SITU FORMING COMPOSITE MATERIAL FOR TISSUE RESTORATION	(47) 30.03.2022	(47) 30.03.2022
(73) The Johns Hopkins University	(51) A61N 1/378	(51) B01D 1/00
(72) MAO, Hai-quan	(11) EP3681595	B01D 1/22
MARTIN, Russell	(21) EP18765134.4	(11) EP3318311
(74) ir. H.A. Witmans c.s.	(22) 11.09.2018	(21) EP16197654.3
(31) 201562206014 P	(54) IMPLANTABLE MOTOR DEVICE AND IMPLANTABLE ELECTRICITY-GENERATING DEVICE COMPRISING SUCH A MOTOR DEVICE	(22) 08.11.2016
(32) 17.08.2015	(73) Freymond, Eric	(54) THIN FILM TREATMENT DEVICE
	(72) RENAUD, M. Dominique	(73) Buss-SMS-Canzler GmbH
	(74) J.M.H. Duyver lic.	(72) PETERS, Hans
	(31) 11392017	(74) ir. H.A. Witmans c.s.
		(47) 04.05.2022

(51) B01D 25/26	(31) 201462067127 P	B01F 31/23
B01D 61/14	(32) 22.10.2014	B01L 3/00
B01D 61/18	(33) United States of America	C12M 1/00
(11) EP2925420	(47) 18.05.2022	C12M 1/32
(21) EP13859871.9	(51) B01D 63/10	C12M 1/34
(22) 26.11.2013	B01D 65/08	C12M 1/42
(54) METHOD FOR REDUNDANT STERILE	(11) EP3439770	C12M 3/06
FILTRATION	(21) EP17716310.2	(11) EP3766582
(73) EMD Millipore Corporation	(22) 04.04.2017	(21) EP20194991.4
(72) FOLEY, Sean	(54) FOULING RESISTANT MEMBRANE	(22) 21.10.2016
PERREAULT, Jeremy	SPACERS	(54) CELL CULTURE
RAUTIO, Kevin	(73) King Abdullah University Of Science And	(73) Fibrofind IP Limited
(74) dr. R.C. van Duijvenbode c.s.	Technology	(72) GRIFFITHS, Clive
(31) 201261732551 P	(72) QAMAR, Adnan	BORTHWICK, Lee
(32) 03.12.2012	GHAFFOUR, Noredine	DRINNAN, Michael
(33) United States of America	(74) ir. W.J.J.M. Kempes	OAKLEY, Fiona
(47) 20.04.2022	(31) 201662318543 P	(74) dr. A. Krebs
(51) B01D 35/153	(32) 05.04.2016	(31) 201518767
B01D 35/30	(33) United States of America	(32) 22.10.2015
B01D 36/00	(47) 23.03.2022	(33) United Kingdom
(11) EP3705165	(51) B01D 65/10	(47) 25.05.2022
(21) EP20156757.5	G01N 15/08	(51) B01J 19/24
(22) 20.12.2012	(11) EP3585507	(11) EP3603795
(54) FLUID FILTER ASSEMBLY WITH A	(21) EP17897891.2	(21) EP18186523.9
FILTER CARTRIDGE	(22) 20.11.2017	(22) 31.07.2018
(73) Davco Technology, L.L.C.	(54) MIXED GAS INTEGRITY TESTING	(54) REACTOR FOR GUIDING AT LEAST
(72) CHAJEC, Zdzislaw	OF POROUS MATERIALS WITHOUT	TWO REACTANTS AND METHOD FOR
CENTLIVRE, Michael	PERMEATE SIDE ACCESS	PRODUCING A REACTOR.
TERRY, Brian	(73) EMD Millipore Corporation	(73) Siemens Aktiengesellschaft
CURT, Carey	(72) GIGLIA, Salvatore	(72) Jastram, Alexander
(74) dr. R.C. van Duijvenbode c.s.	(74) dr. W.A.H.M. Van Borm	Kiener, Christoph
(31) 201213349183	(31) 201762461920 P	(74) dr. R.C. van Duijvenbode c.s.
(32) 12.01.2012	(32) 22.02.2017	(47) 06.04.2022
(33) United States of America	(33) United States of America	(51) B01J 23/889
(47) 16.03.2022	(47) 11.05.2022	B01D 53/62
(51) B01D 53/14	(51) B01F 7/16	B01D 53/86
C10K 1/00	A47J 43/00	B01J 37/02
C10K 1/16	A47J 43/04	B01J 37/03
(11) EP3789102	A47J 43/042	B01J 35/04
(21) EP19020517.9	A47J 43/044	(11) EP2964383
(22) 06.09.2019	A47J 43/046	(21) EP14760404.5
(54) METHOD AND INSTALLATION FOR	A47J 43/08	(22) 06.03.2014
SEPARATING ADDITIVES FROM A	A47J 43/07	(54) BASE METAL CATALYST AND METHOD
CRUDE SYNTHESIS GAS STREAM	(11) EP3655343	OF USING SAME
AND FOR PRODUCING A SULFUR-	(21) EP18836047.3	(73) BASF Corporation
FREE NAPHTHA PRODUCT	(22) 16.01.2018	(72) ROMANSKI, Francis, S.
(73) L'AIR LIQUIDE, SOCIÉTÉ ANONYME	(54) SINGLE-USE FOOD PREPARATION	LAPADULA, Gerard, D.
POUR L'ÉTUDE ET L'EXPLOITATION	CONTAINER ASSEMBLIES, SYSTEMS	FURBECK, Howard
DES PROCÉDÉS GEORGES CLAUDE	AND METHODS	ALDEN, Laif, R.
(72) Corbet, Sharon	(73) Blix Ltd.	PHAM, Tiep
Schmidt, Sophia	(72) LEIJENAAR, Sybren Yme	BUELOW, Mark, T.
(74) ir. W.J.J.M. Kempes	OZANA, Shalom	TRAN, Pascaline, Harrison
(47) 23.03.2022	DIKHOF, Hans Constant	(74) dr. W.A.H.M. Van Borm
(51) B01D 63/02	MALTHA, Krijn	(31) 201313790504
B01D 65/08	NIJSEN, Andreas Jacobus Louis	(32) 08.03.2013
B01D 63/04	STERNGOLD, Ariel	(33) United States of America
C02F 3/12	KUSTER, Johannes Gabriel	(47) 11.05.2022
(11) EP3209411	BRONKHORST, Joris	(51) B01L 3/00
(21) EP15750606.4	WEIJERS, Marcel Hendrikus Simon	(11) EP3060342
(22) 10.08.2015	(74) ir. W.J.J.M. Kempes	(21) EP14789265.7
(54) MEMBRANE MODULE SYSTEM WITH	(31) 201762533743 P	(22) 24.10.2014
BUNDLE ENCLOSURES AND PULSED	PCT/IL2017/050823	(54) FLUID FILTERING DEVICE AND
AERATION	(32) 18.07.2017	ASSEMBLY
(73) Koch Separation Solutions, Inc.	20.07.2017	(73) Trilobite Innovation AS
(72) JOHNSON, Taylour L.	(33) United States of America	(72) EGELAND, Eirik, Bentzen
SINGH, Manwinder	World Intellectual Property Office (WIPO)	(74) dr. A. Krebs
COLBY, David M.	(47) 27.04.2022	(31) 20131411
(74) J.M.H. Duyver lic.	(51) B01F 31/00	(32) 25.10.2013

(33) Norway	(31) 202018003641 U	(54) BLOWING SYSTEM FOR BUILD CHAMBERS
(47) 16.03.2022	(32) 07.08.2018	(73) Ermaksan Makina Sanayi Ve Ticaret Anonim Sirketi
(51) B01L 3/00	(33) Germany	(72) YURTKURAN, Emre
(11) EP3391966	(47) 27.04.2022	PITIR, Fatih
(21) EP17185295.7	(51) B07B 4/02	UNAL, Rahmi
(22) 08.08.2017	B07B 11/06	(74) dr. A. Krebs
(54) MULTI-REACTION BIOLOGICAL DETECTION METHOD USING FLOW PASSAGE DESIGN	B65G 69/18	(31) 201709860
(73) Skyla Corporation Hsinchu Science Park Branch	(11) EP3542913	(32) 04.07.2017
(72) Chen, Hung-Wei	(21) EP18163489.0	(33) Turkey
Wei, Chia-Chun	(22) 22.03.2018	(47) 01.06.2022
Ho, Ping-Hsing	(54) DEDUSTING APPARATUS	(51) B25J 9/00
(74) dr. R.C. van Duijvenbode c.s.	(73) Pelletron Corporation	B25J 13/02
(31) 201710256394	(72) Lutz, Joseph	G06F 3/01
(32) 19.04.2017	Schneider, Heinz	A61H 1/02
(33) China	(74) dr. A. Krebs	A61F 2/58
(47) 04.05.2022	(47) 01.06.2022	A61F 5/01
(51) B01L 3/00	(51) B21F 1/02	(11) EP3793779
C12M 1/26	B21D 3/04	(21) EP19743006.9
C12M 1/00	(11) EP3743229	(22) 16.05.2019
G01N 33/49	(21) EP17830000.0	(54) EXOSKELETON GLOVE
(11) EP3778027	(22) 27.12.2017	(73) ADJUVO MOTION B.V.
(21) EP20189386.4	(54) ROTATING STRAIGHTENER WITH SYSTEM FOR CLEANING, PROTECTING AND LUBRICATING THE HYPERBOLIC ROLLERS AND BEARINGS	(72) LAMMERS, Max
(22) 04.08.2020	(73) Anagnostopoulos, Antonios	DEN BUTTER, Gijs
(54) SEPARATING BODY AND METHOD FOR SEPARATING BLOOD PLASMA AND BLOOD CELLS	(72) Anagnostopoulos, Antonios	LUIJTEN, Johannes
(73) Sarstedt AG & Co. KG	(74) ir. M.B. Plaggenborg	(74) mr. ir. J. van Breda c.s.
(72) WEINSTOCK, Mark	(47) 23.03.2022	(31) 2020941
(74) ir. H.A. Witmans c.s.	(51) B22F 3/105	(32) 16.05.2018
(31) 102019121723	B29C 64/141	(33) Netherlands
(32) 13.08.2019	B29C 64/153	(47) 27.04.2022
(33) Germany	B33Y 70/00	(51) B26D 7/32
(47) 20.04.2022	B22F 3/00	(11) EP3782783
(51) B05B 13/00	B33Y 10/00	(21) EP20189780.8
B05B 13/04	B33Y 70/10	(22) 06.08.2020
B25J 5/00	B33Y 80/00	(54) CUTTING MACHINE
B25J 11/00	C22C 1/04	(73) S.A.M. Innovations GmbH & Co KG
E04F 21/08	C22C 32/00	(72) Kuchler, Constantin
B05B 12/00	(11) EP3741482	Kuchler, Valentina
B05B 12/12	(21) EP20172977.9	(74) ir. H.A. Witmans c.s.
B05B 12/08	(22) 05.05.2020	(31) 507292019
G01B 11/25	(54) METHOD FOR MANUFACTURING A PART MADE OF ALUMINIUM ALLOY BY ADDITIVE MANUFACTURING FROM A MIXTURE OF POWDERS CONTAINING YTTRIUM-STABILISED ZIRCONIA	(32) 22.08.2019
(11) EP3310494	(73) Commissariat à l'énergie atomique et aux énergies alternatives	(33) Austria
(21) EP16732705.5	(72) SOULIER, Mathieu	(47) 16.03.2022
(22) 22.06.2016	OPPRECHT, Mathieu	(51) B29B 9/06
(54) ROBOTIC VEHICLE	GARANDET, Jean-Paul	B29B 9/12
(73) Q-Bot Limited	ROUX, Guilhem	C08G 69/18
(72) HOLLOWAY, Mathew	(74) ir. F.A. Geurts c.s.	C08G 69/20
LIPINSKI, Tomasz	(31) 1904935	B29K 77/00
CRISTOBAL, Miguel Julia	(32) 13.05.2019	B29K 105/00
TAYLOR, Daniel	(33) France	B29C 48/02
(74) dr. A. Krebs	(47) 13.04.2022	B29C 48/04
(31) 201510976	(51) B22F 10/28	B29C 48/05
(32) 22.06.2015	B22F 12/70	(11) EP3389969
(33) United Kingdom	F15D 1/00	(21) EP16802076.6
(47) 06.04.2022	B33Y 30/00	(22) 29.11.2016
(51) B05C 17/005	F24F 13/08	(54) METHOD OF PRODUCING SOLID PARTICLES
(11) EP3608029	F15D 1/04	(73) LANXESS Deutschland GmbH
(21) EP19000324.4	(11) EP3648917	(72) SZCZECINA, Ulrich-Peter
(22) 05.07.2019	(21) EP18880037.9	WITT, Michael
(54) CARTRIDGE PISTON WITH CENTERING AID	(22) 03.07.2018	CASPERS, Nikolaj
(73) Ritter GmbH		(74) ir. W.J.J.M. Kempes
(72) Ritter, Frank		(31) 15201214
(74) J.M.H. Duyver lic.		(32) 18.12.2015
		(33) European Patent Office (EPO)
		(47) 23.03.2022
		(51) B29B 15/12

B29K 101/12	(51) B32B 7/00	(74) dr. R.C. van Duijvenbode c.s.
(11) EP3558612	B32B 7/02	(31) 2016041591
(21) EP17829261.1	B32B 7/04	(32) 03.03.2016
(22) 20.12.2017	B32B 7/12	(33) Japan
(54) METHOD FOR MANUFACTURING A FIBROUS MATERIAL PRE-IMPREGNATED WITH THERMOPLASTIC POLYMER IN POWDER FORM	B32B 27/06 B32B 27/08 B32B 27/18 B32B 27/20 B32B 27/32	(47) 20.04.2022
(73) ARKEMA FRANCE	(11) EP3259126	(51) B32B 17/10
(72) BABEAU, Arthur, Pierre HOCHSTETTER, Gilles CAPELOT, Mathieu TANGUY, François HUZE, Denis GAILLARD, Patrice SAVART, Thibaut	(21) EP16708762.6 (22) 25.01.2016 (54) COMPOSITE BALLISTIC RESISTANT LAMINATE	E06B 3/02
(74) dr. R.C. van Duijvenbode c.s.	(73) DuPont Safety & Construction, Inc.	(11) EP3895889
(31) 1663204	(72) SINGLETARY, James Neal	(21) EP20000393.7
(32) 22.12.2016	SAUER, Bryan Benedict	(22) 31.10.2020
(33) France	KAMPERT, William George	(54) PLATE GLASS DOOR SYSTEM WITH A SKYLIGHT ELEMENT MADE FROM 3- FOLD LAMINATED GLASS
(47) 11.05.2022	CARBAJAL, Leopoldo Alejandro	(73) Rienth GmbH & Co. KG
(51) B29C 45/00	LIBERT, Timothy A.	(72) RIENTH, Thomas
B29B 7/00	(74) ir. H.A. Witmans c.s.	FRIZ, Klaus
B29B 7/90	(31) 201514709627	(74) ir. W.J.J.M. Kempes
B29B 9/06	201514625193	(31) 202020001543 U
C08K 9/04	(32) 12.05.2015	(32) 15.04.2020
C08L 23/06	18.02.2015	(33) Germany
B29K 105/26	(33) United States of America	(47) 27.04.2022
B29K 105/00	United States of America	(51) B41F 19/00
B29K 509/00	(47) 13.04.2022	B41F 13/00
B29K 23/00	(51) B32B 9/00	(11) EP3665014
C08K 3/013	B32B 27/08	(21) EP18766378.6
C08K 3/26	B32B 27/16	(22) 10.08.2018
C08K 5/14	B32B 27/26	(54) MODULAR ASSEMBLY FOR PROCESSING A SUBSTRATE WEB
(11) EP3307505	B32B 27/30	(73) MPS Holding B.V.
(21) EP16812224.0	(11) EP2982506	(72) VAN DEN BRINK, Lambert Dirk
(22) 14.06.2016	(21) EP14775227.3	(74) ir. H.A. Witmans c.s.
(54) ARTICLE OBTAINED BY INJECTION MOULDING	(22) 28.03.2014	(31) 2019408
(73) IMERTECH SAS	(54) LAMINATE, METHOD FOR PRODUCING SAME, MEMBER FOR ELECTRONIC DEVICE, AND ELECTRONIC DEVICE	(32) 10.08.2017
(72) HERRING, George Birks MOLDOVAN, Daniel Gene REBIH, Fatima	(73) LINTEC Corporation	(33) Netherlands
(74) ir. C.G.C. Veldman-Dijkers	(72) NAGAMOTO, Koichi	(47) 18.05.2022
(31) 201562175739 P	SUZUKI, Yuuta	(51) B41J 2/14
(32) 15.06.2015	KONDO, Takeshi	(11) EP3416828
(33) United States of America	(74) ir. A. Blokland c.s.	(21) EP17706861.6
(47) 09.03.2022	(31) 2013074067	(22) 15.02.2017
(51) B29C 67/00	(32) 29.03.2013	(54) FLUID EJECTOR
B33Y 30/00	(33) Japan	(73) Archipelago Technology Group Ltd
B33Y 50/00	(47) 11.05.2022	(72) CROOKS, David Alan
B33Y 50/02	(51) B32B 15/08	STOKES, Charlotte Giverny Pamela Joy
(11) EP3305507	C25D 5/56	EMERTON, Neil
(21) EP16802909.8	H05K 3/00	MACE, Daniel Richard
(22) 07.04.2016	C23C 28/02	SNUDDEN, Theodore John
(54) SOLID SHAPE INFORMATION GENERATION SYSTEM, SOLID SHAPE FORMING APPARATUS, SOLID SHAPE INFORMATION GENERATION METHOD, AND PROGRAM	B32B 15/088 B32B 15/09 B32B 15/04 B32B 37/00	NEWCOMBE, Guy Charles Fernley
(73) Sony Group Corporation	(11) EP3747648	(74) dr. A. Krebs
(72) TAKEUCHI, Yuichiro	(21) EP20184887.6	(31) 201602743
(74) ir. W.J.J.M. Kempes	(22) 02.03.2017	(32) 16.02.2016
(31) 2015113049	(54) METAL-CLAD LAMINATE AND MANUFACTURING METHOD FOR SAME	(33) United Kingdom
(32) 03.06.2015	(73) Kuraray Co., Ltd.	(47) 01.06.2022
(33) Japan	(72) NAKASHIMA, Takahiro	(51) B41J 2/165
(47) 01.06.2022	SUZUKI, Shigeaki	(11) EP3539782
	HIRAMATSU, Shinji	(21) EP19162095.4
	SUNAMOTO, Tatsuya	(22) 12.03.2019
		(54) LIQUID DISCHARGING DEVICE AND CLEANING METHOD
		(73) Ricoh Company, Ltd.
		(72) ATAKE, Takumi
		(74) ir. H.A. Witmans c.s.
		(31) 2018045240
		(32) 13.03.2018
		(33) Japan
		(47) 18.05.2022
		(51) B41J 2/165
		B41J 11/00

B41J 11/48	(22) 03.12.2014	(54) PRIMARY COUPLING DEVICE AND METHOD FOR CONNECTING A PRIMARY COUPLING DEVICE
(11) EP3670194	(54) SCANNING INKJET PRINTING SYSTEM	(73) SAF-HOLLAND GmbH
(21) EP18213188.8	(73) Canon Production Printing Netherlands B.V.	(72) KÖSTER, Mario Sebastian
(22) 17.12.2018	(72) RIGIO, Brandon	(74) ir. A. Blokland c.s.
(54) METHOD FOR PRINTING A QUALITY ASSURANCE PRINT CHART, COMPUTER PROGRAM PRODUCT, AND PRINTING SYSTEM	(72) HOY, Michael P.	(31) 102019108953
(73) Canon Production Printing Holding B.V.	(72) OTTER, Brian D.	(32) 05.04.2019
(72) VAN BRINK, Jan R.P.	(72) KOEHN, Chad A.	(33) Germany
HUNNEKENS, Henri P.J.	(72) BRYDE, Ryan C.	(47) 13.04.2022
STAAL, Eric N.P.	(74) ir. M.J. Groen	(51) B60D 1/54
LIND, Robert G.H.	(31) 201361912817 P	B60D 1/06
(74) ir. M.J. Groen	14153005	B60D 1/145
(47) 23.03.2022	(32) 06.12.2013	B60D 1/24
(51) B41J 2/165	29.01.2014	B60D 1/48
B41J 25/304	(33) United States of America	(11) EP3708391
B41J 2/175	European Patent Office (EPO)	(21) EP20162348.5
(11) EP3802133	(47) 06.04.2022	(22) 11.03.2020
(21) EP19743030.9	(51) B42D 25/351	(54) RETRACTABLE TOWING HOOK ARRANGEMENT
(22) 04.06.2019	B42D 25/387	(73) Brink Towing Systems B.V.
(54) ADD-ON MODULE FOR A DISPOSABLE PRINTER CARTRIDGE AND A PRINTER	B41M 1/04	(72) BOVENKAMP, Bas Kasper
(73) MEVAM BV	B41M 1/10	EISING, Frederik Jacob
(72) DE GROOT, Meindert	B41M 1/12	(74) dr. W.A.H.M. Van Borm
(74) mr. ir. J. van Breda c.s.	B42D 25/45	(31) 1950306
(31) 2021052	B42D 25/378	(32) 12.03.2019
(32) 04.06.2018	(11) EP3297845	(33) Sweden
(33) Netherlands	(21) EP16729197.0	(47) 04.05.2022
(47) 11.05.2022	(22) 18.05.2016	(51) B60G 9/02
(51) B41J 3/407	(54) DATA SUPPORT WITH APPLIED DATA WHICH IS TO BE KEPT SECRET	B60G 1/04
H04N 1/387	(73) KSG - Kappelmaier Service GmbH	B60G 11/16
H04N 1/401	(72) KAPPELMAIER, Michael	A01D 41/02
(11) EP3829885	KAPPELMAIER, Katrin	B62D 7/04
(21) EP19772810.8	KAPPELMAIER, Felix	A01B 69/04
(22) 16.09.2019	(74) ir. W.J.J.M. Kempes	A01D 43/063
(54) PRINTING METHODS AND SYSTEMS	(31) 102015006334	A01D 67/00
(73) Global Inkjet Systems Limited	(32) 19.05.2015	B62D 9/00
(72) GEDDES, Nicholas Campbell	(33) Germany	(11) EP3756911
COLLINS, Philip	(47) 13.04.2022	(21) EP20181742.6
(74) M.A.T. Beck MSc LL.B	(51) B60B 19/00	(22) 23.06.2020
(31) 201819047	B60G 3/08	(54) VEHICLE WITH A SWING AXLE AND A STABILISATION MECHANISM FOR THE SWING AXLE
(32) 22.11.2018	B60G 11/23	(73) Lely Patent N.V.
(33) United Kingdom	B62K 11/00	(72) VISSER, Arend Cornelis
(47) 11.05.2022	B62K 11/04	DE JONG, Ruth
(51) B41J 3/60	B62K 25/00	VERWEIJ, Rochus Johannes
B41J 13/00	B62K 25/04	(74) ir. M.J.F.M. Corten
(11) EP3758945	B62M 6/75	(31) 2023388
(21) EP19706649.1	B62M 7/02	(32) 26.06.2019
(22) 25.02.2019	(11) EP3280600	(33) Netherlands
(54) DEFLECTING DEVICE FOR DEFLECTING A CONVEYED SHEET	(21) EP16714880.8	(47) 20.04.2022
(73) Canon Production Printing Holding B.V.	(22) 06.04.2016	(51) B60R 9/06
(72) VROMEN, Thijs G.M.	(54) MOTOR-DRIVEN TWO-WHEELED VEHICLE	B60R 9/10
LA VOS, Peter G.	(73) Ujet S.A.	(11) EP3936388
HOOGENDIJK, Rob	(72) DAVID, Patrick	(21) EP20189771.7
KUYPERS, Hermanus M.	(74) dr. R.C. van Duijvenbode c.s.	(22) 06.08.2020
(74) ir. M.J. Groen	(31) 102015105324	(54) REAR LOAD CARRIER
(31) 18159190	(32) 08.04.2015	(73) Carman Enterprise Co., Ltd.
(32) 28.02.2018	(33) Germany	(72) JUNQIANG, Wang
(33) European Patent Office (EPO)	(47) 06.04.2022	XIANWEI, Li
(47) 06.04.2022	(51) B60D 1/01	(74) ir. J.C. Volmer c.s.
(51) B41J 19/20	B60D 1/64	(31) 202010662935
B41J 19/14	B62D 53/12	(32) 10.07.2020
B41J 19/00	(11) EP3867083	(33) China
(11) EP3077209	(21) EP20713860.3	(47) 04.05.2022
(21) EP14806262.3	(22) 18.03.2020	(51) B60R 16/023
		B60W 30/08

B60W 50/12	(21) EP18772277.2	CONTROLLING INTEGRITY OF A
B60W 50/02	(22) 15.03.2018	TRAIN AND TRAIN WAGON
B60W 50/00	(54) TRANSPORT CART	(73) Thales Management & Services
H04W 4/38	(73) Silver & Stal Enterprises AB	Deutschland GmbH
H04W 4/48	(72) LEJONDAHL, Lars-Erik	(72) GEBERT, Thomas
F16P 3/00	SCHÖN, Niklas	(74) J.M.H. Duyver lic.
G07C 9/00	(74) ir. W.J.J.M. Kempes	(47) 18.05.2022
E04H 15/08	(31) 1750332	(51) B61L 27/00
B60P 3/34	(32) 21.03.2017	(11) EP3487748
E05B 39/04	(33) Sweden	(21) EP17771993.7
(11) EP3708435	(47) 18.05.2022	(22) 06.09.2017
(21) EP20161590.3	(51) B61D 3/18	(54) MONITORING INFRASTRUCTURE
(22) 06.03.2020	B61J 1/12	FACILITIES BY MEANS OF GEO-
(54) CONSENSUS BUILDING AMONG	B61D 45/00	CLUSTERING
NETWORKED DEVICES FOR	(11) EP3863905	(73) Siemens Mobility GmbH
RECREATIONAL VEHICLE SAFETY	(21) EP19772997.3	(72) AUFDERHEIDE, Helge
SYSTEMS	(22) 11.09.2019	(74) dr. R.C. van Duijvenbode c.s.
(73) Lippert Components, Inc.	(54) DEVICE FOR RECEIVING AND FOR	(31) 102016217883
(72) Collin, Matthew Allen	TRANSPORTING AT LEAST ONE	(32) 19.09.2016
Manfreda, John Peter	WHEEL SET OF A RAIL VEHICLE	(33) Germany
DiPerna, Anthony J.	(73) HEGENSCHIEDT-MFD GmbH	(47) 20.04.2022
Harris, Aaron Robertson	(72) KEHREN, Georg	(51) B62D 55/108
(74) dr. R.C. van Duijvenbode c.s.	RAEMAEEKERS, Stefan	B60G 11/08
(31) 202016795802	(74) ir. A. Blokland c.s.	(11) EP3595962
201962818392 P	(31) 102018125239	(21) EP18766663.1
(32) 20.02.2020	(32) 12.10.2018	(22) 26.02.2018
14.03.2019	(33) Germany	(54) TRACKED VEHICLE
(33) United States of America	(47) 18.05.2022	(73) BAE Systems Hägglunds Aktiebolag
United States of America	(51) B61L 15/00	(72) LJUNG, Jonny
(47) 04.05.2022	B61L 25/02	SANDIN, Anders
(51) B60R 22/32	B61L 25/04	WIBERG, Ulf
(11) EP3707033	(11) EP3003820	(74) dr. R.C. van Duijvenbode c.s.
(21) EP18789215.3	(21) EP14730472.9	(31) 1750316
(22) 19.09.2018	(22) 28.05.2014	(32) 16.03.2017
(54) EMERGENCY DEVICE FOR THE	(54) MONITORING SYSTEM FOR	(33) Sweden
QUICK RELEASE OF SAFETY BELTS	MONITORING THE AXLES OF	(47) 13.04.2022
FOR VEHICLES	UNPOWERED TRANSPORT UNITS	(51) B62J 7/02
(73) Gallan, Silvano	(73) Space2M NV	B62K 7/00
Buschini, Marco	(72) RONSE, Frederick	B62K 7/02
(72) Gallan, Silvano	(74) ir. J.P.E. Brants	B62J 27/30
Buschini, Marco	(31) 13169464	(11) EP3786040
(74) J.M.H. Duyver lic.	(32) 28.05.2013	(21) EP20190927.2
(31) 201700116007 U	(33) European Patent Office (EPO)	(22) 13.08.2020
(32) 13.10.2017	(47) 30.03.2022	(54) DELIVERY BICYCLE CONTAINER
(33) Italy	(51) B61L 25/02	(73) RTI Sports GmbH
(47) 23.03.2022	B61L 15/00	(72) GRAEVE, Arndt
(51) B60S 1/40	(11) EP3496988	RASCHE, Johannes
(11) EP3747711	(21) EP17783761.4	(74) dr. R.C. van Duijvenbode c.s.
(21) EP19305741.1	(22) 26.09.2017	(31) 202019104809 U
(22) 07.06.2019	(54) METHOD AND DEVICE FOR	(32) 02.09.2019
(54) WINDSHIELD WIPER BLADE	DETECTING A CHANGE IN POSITION	(33) Germany
CONNECTOR	OF A VEHICLE THAT IS AT LEAST	(47) 20.04.2022
(73) Valeo Systèmes d'Essuyage	PARTLY TURNED OFF	(51) B62M 6/90
(72) GAUCHER, Vincent	(73) Siemens Mobility GmbH	B62K 19/40
HOUSSAT, Stéphane	(72) WIESAND, Manfred	B62J 43/13
JOMARD, Olivier	(74) dr. R.C. van Duijvenbode c.s.	B62J 43/28
MALINOWSKI, Arkadiusz	(31) 102016219681	B62K 19/06
(74) J.M.H. Duyver lic.	(32) 11.10.2016	B62L 1/00
(47) 09.03.2022	(33) Germany	B62M 6/55
(51) B60S 13/00	(47) 30.03.2022	B62J 6/04
A61G 7/08	(51) B61L 25/02	B62K 19/34
B60P 3/12	B61L 15/00	B62K 25/02
B62B 5/00	(11) EP3699059	B62J 6/20
B66F 7/06	(21) EP19158768.2	B62J 7/04
B66F 7/28	(22) 22.02.2019	B62J 7/08
B66F 9/06	(54) METHOD FOR WAGON-TO-WAGON-	B62J 6/055
B62B 3/06	COMMUNICATION, METHOD FOR	B62J 11/10
(11) EP3600980		B62J 45/413

B62J 45/423	(73) Bredenoord B.v.	B65B 61/20
B62K 3/04	(72) BRESSER, Marinus Christiaan	B65B 9/20
(11) EP3590814	VAN RIJS, Adriaan Louis	G01M 3/22
(21) EP18182236.2	(74) ir. H.A. Witmans c.s.	G01M 3/32
(22) 06.07.2018	(31) 2016525	G01M 3/40
(54) BICYCLE WITH BATTERY- ACTIVATED AUXILIARY DRIVE AND CORRESPONDING BICYCLE FRAME	(32) 31.03.2016	G01N 21/77
(73) Winora-Staiger GmbH	(33) Netherlands	G01N 21/90
(72) Beutner, Ingo	(47) 18.05.2022	G01N 31/22
(74) ir. H.A. Witmans c.s.	(51) B65B 9/04	(11) EP3405396
(31) 18181933	B65B 41/04	(21) EP17700537.8
(32) 05.07.2018	B65B 41/10	(22) 17.01.2017
(33) European Patent Office (EPO)	B65B 47/04	(54) FLOW WRAPPER WITH LEAKAGE- CONTROL OF THE RESULTING PACKAGES AND METHOD TO PRODUCE A PACKAGE
(47) 27.04.2022	B65B 47/08	(73) GEA Food Solutions Weert B.V.
(51) B62M 9/127	B65B 41/14	(72) MÜLLER, Sven
(11) EP3613662	B65H 20/16	STEFFEN, Andreas
(21) EP19000368.1	(11) EP3880560	(74) ir. W.J.J.M. Kempes
(22) 08.08.2019	(21) EP20711892.8	(31) 102016213010
(54) REAR WHEEL CHAIN DERAILLEUR WITH ECCENTRIC CABLE DEFLECTION ROLLER ASSEMBLY WITH REDUCTION RATIO	(22) 16.03.2020	102016213009
(73) SRAM Deutschland GmbH	(54) METHOD AND DEVICE FOR PRODUCING A PACKAGING BODY OF A PACKAGING ITEM	102016212574
(72) Braedt, Henrik	(73) Syntegon Technology GmbH	102016209207
(74) ir. W.J.J.M. Kempes	(72) KARCHER, Ruediger	102016208441
(31) 102018214218	WIEDUWILT, Ulrich	102016204085
(32) 22.08.2018	STADEL, Hans-Peter	102016203876
(33) Germany	STROINSKI, Uwe	102016200749
(47) 23.03.2022	BECK, Martin	16175264
(51) B63H 20/06	(74) ir. H.A. Witmans c.s.	(32) 15.07.2016
B63H 1/16	(31) 102019205172	15.07.2016
(11) EP3705393	(32) 11.04.2019	11.07.2016
(21) EP20160973.2	(33) Germany	27.05.2016
(22) 08.11.2016	(47) 04.05.2022	17.05.2016
(54) MARINE PROPULSION UNIT	(51) B65B 9/12	11.03.2016
(73) YAMAHA HATSUDOKI KABUSHIKI KAISHA	(11) EP3621883	09.03.2016
(72) ISHIKAWA, Satoshi	(21) EP18725008.9	20.01.2016
SUZUKI, Toshio	(22) 08.05.2018	20.06.2016
SUZUKI, Takayoshi	(54) METHOD AND SYSTEM FOR MANUFACTURE AND FILLING WITH A STERILE LIQUID OF A TUBULAR PACKAGING	(33) Germany
(74) dr. R.C. van Duijvenbode c.s.	(73) mu-Drop B.V.	Germany
(31) 2015221550	(72) LAMMERS, Leonardus Hubertus Maria	Germany
(32) 11.11.2015	HILBRINK, Hubertus Eduard	Germany
(33) Japan	(74) dr. ir. G.J.C. Verdijck c.s.	Germany
(47) 27.04.2022	(31) 2019093	Germany
(51) B64F 1/18	2018872	European Patent Office (EPO)
(11) EP3717355	(32) 19.06.2017	(47) 16.03.2022
(21) EP18816251.5	08.05.2017	(51) B65B 35/36
(22) 27.11.2018	(33) Netherlands	A24F 40/70
(54) AIRCRAFT LANDING AID VISUAL INDICATOR DEVICE AND METHOD FOR GUIDING AIRCRAFT LANDING	Netherlands	B25J 9/00
(73) Calzoni S.r.l.	(47) 09.03.2022	B25J 15/00
(72) BERTIN, Daniele Maria	(51) B65B 23/06	B65B 35/38
(74) dr. R.C. van Duijvenbode c.s.	B65G 47/38	B65B 35/44
(31) 201700137484	B65G 47/54	B65B 61/28
(32) 29.11.2017	(11) EP3247643	B65G 47/90
(33) Italy	(21) EP16713607.6	B65G 47/91
(47) 30.03.2022	(22) 13.01.2016	(11) EP3822181
(51) B64F 1/34	(54) EGG TRANSFER DEVICE	(21) EP20208468.7
B64F 1/36	(73) Sanovo Technology Netherlands B.V.	(22) 18.11.2020
H01M 16/00	(72) HORDIJK, Jan	(54) MANUFACTURING MACHINE AND MANUFACTURING METHOD FOR THE PRODUCTION OF DISPOSABLE CARTRIDGES
(11) EP3228546	PAPEN, Edwin Lambertus Maria	(73) G.D SOCIETA' PER AZIONI
(21) EP17163769.7	(74) ir. J.C. Volmer c.s.	(72) LEGNANI, Mirco
(22) 30.03.2017	(31) 2014158	MILANDRI, Francesco
(54) MOBILE GROUND POWER UNIT AND METHOD OF USE	(32) 19.01.2015	RENCO, Francesco
	(33) Netherlands	LANZARINI, Luca
	(47) 16.03.2022	
	(51) B65B 25/00	
	B65B 31/04	

(74) mr. ir. J. van Breda c.s.	B65D 43/16	(22) 25.01.2018
(31) 201900021405	B65D 51/16	(54) ELEVATOR MONITORING IN SHUTTLE MODE
(32) 18.11.2019	(11) EP3750823	(73) KONE Corporation
(33) Italy	(21) EP20382490.9	(72) KETTUNEN, Marju
(47) 13.04.2022	(22) 08.06.2020	SONAWANE, Dipti
(51) B65B 43/60	(54) CONTAINER FOR FOODSTUFFS	AUVINEN, Juuso
(11) EP3833604	(73) INFIA IBÉRICA, SL.	MIETTINEN, Otto
(21) EP19769584.4	(72) Navarro Mecho, José F.	(74) dr. R.C. van Duijvenbode c.s.
(22) 08.08.2019	(74) ir. A. Blokland c.s.	(31) 17154915
(54) MANUFACTURING MACHINE FOR THE PRODUCTION OF DISPOSABLE CARTRIDGES FOR ELECTRONIC CIGARETTES	(31) 201930961 U	(32) 07.02.2017
	(32) 10.06.2019	(33) European Patent Office (EPO)
	(33) Spain	(47) 13.04.2022
	(47) 30.03.2022	
(73) G.D Società per Azioni	(51) B65G 1/04	(51) C01B 39/02
(72) LANZARINI, Luca	B65G 1/00	C01B 39/48
GROSSO, Daniele	B65G 1/137	B01J 29/70
SERAFINI, Stefano	B25J 5/00	B01J 29/72
DONDINI, Andrea	G05D 1/00	B01J 29/74
MILANDRI, Francesco	B25J 9/00	B01J 29/76
MEDINA, Enrico	(11) EP3663235	B01J 29/78
FEDERICI, Luca	(21) EP18853387.1	(11) EP3571160
(74) mr. ir. J. van Breda c.s.	(22) 31.07.2018	(21) EP17829073.0
(31) 201900009288	(54) TRANSPORT VEHICLE AND TRANSPORT FACILITY	(22) 13.12.2017
201800007950	(73) Daifuku Co., Ltd.	(54) MOLECULAR SIEVE SSZ-108, ITS SYNTHESIS AND USE
(32) 18.06.2019	(72) IWATA Masashige	(73) Chevron U.S.A. Inc.
08.08.2018	UEDA Yuichi	(72) XIE, Dan
(33) Italy	EMOTO Akira	(74) dr. R.C. van Duijvenbode c.s.
Italy	(74) mr. ir. J. van Breda c.s.	(31) 201762446979 P
(47) 13.04.2022	(31) 2017171257	(32) 17.01.2017
(51) B65D 5/50	(32) 06.09.2017	(33) United States of America
B65D 5/54	(33) Japan	(47) 27.04.2022
B65D 5/48	(47) 04.05.2022	
(11) EP3750820	(51) B65G 27/02	(51) C01B 39/46
(21) EP19216680.9	B65G 27/04	C01B 39/02
(22) 16.12.2019	B65G 27/24	(11) EP3658503
(54) RETAIL READY PACKAGE FOR CARDED PRODUCTS	B65G 27/30	(21) EP17791801.8
(73) WestRock Shared Services, LLC	(11) EP3521215	(22) 11.10.2017
(72) Cline, Pinocchio Z.	(21) EP19155211.6	(54) METHODS FOR PRODUCING HIERARCHICAL MESOPOROUS ZEOLITE BETA
Smith, Kenneth C.	(22) 04.02.2019	(73) Saudi Arabian Oil Company
(74) J.M.H. Duyver lic.	(54) VIBRATORY CONVEYOR	(72) ZHANG, Ke
(31) 201816221878	(73) Afag Holding AG	(74) ir. W.J.J.M. Kempes
(32) 17.12.2018	(72) Bäumlér, Martin	(31) 201715662756
(33) United States of America	(74) ir. W.J.J.M. Kempes	(32) 28.07.2017
(47) 09.03.2022	(31) 102018102554	(33) United States of America
(51) B65D 8/00	(32) 06.02.2018	(47) 06.04.2022
B65D 47/08	(33) Germany	
B65D 51/20	(47) 20.04.2022	
B65D 51/24	(51) B65G 47/46	(51) C01G 23/00
B65D 55/08	B65G 15/42	C01G 23/047
(11) EP3781487	B65G 47/68	C01G 23/053
(21) EP19717948.4	B65G 47/94	B01J 20/06
(22) 18.04.2019	B65G 15/64	B01J 20/28
(54) PACKAGE WITH SEPARABLE LID STRUCTURE	(11) EP3733570	B01J 20/30
(73) N.V. Nutricia	(21) EP19793866.5	H01M 4/36
(72) SCHOOT UITERKAMP, Andreus	(22) 13.03.2019	H01M 4/485
Johannes Maria	(54) CONVEYING AND SORTING APPARATUS	H01M 4/62
PIETTE, Benoît Marie François	(73) Daifuku Co., Ltd.	(11) EP3617148
FERRANDIZ MARTINEZ, Rafael	(72) FUJIO, Yoshihiko	(21) EP19194479.2
(74) dr. R.C. van Duijvenbode c.s.	(74) mr. drs. L. van Wezenbeek	(22) 29.08.2019
(31) PCT/EP2018/000210	(31) 2018086871	(54) PREPARATION METHOD OF A HIERARCHICALLY STRUCTURED LITHIUM TITANATE NANOTUBE
(32) 19.04.2018	(32) 27.04.2018	(73) Petrochina Company Limited
(33) World Intellectual Property Office (WIPO)	(33) Japan	(72) SUN, Liang
(47) 11.05.2022	(47) 11.05.2022	LIU, Xiaodan
(51) B65D 21/02	(51) B66B 3/00	JIAO, Hang
B65D 25/54	(11) EP3580162	JIN, Xu
B65D 43/02	(21) EP18700782.8	LI, Jianming

WANG, Xiaoqi	B22C 9/12	Saint-Gobain Adfors
LIU, He	B22D 17/20	(72) SILIOC, Christelle
(31) 201811002667	C03B 9/193	PETIT, Morgane
(32) 30.08.2018	C03B 9/34	DUCROT, Paul-Henri
(33) China	(11) EP3689832	ALLAIS, Florent
(47) 20.04.2022	(21) EP18861082.8	BROUSSARD, Orianne
(51) C02F 1/76	(22) 27.09.2018	(74) ir. W.J.J.M. Kempes
A01P 1/00	(54) DEVICE FOR APPLYING RELEASE	(31) 1550719
A01N 59/06	AGENT TO GLASS BOTTLE FINISHING	1550717
A01N 25/00	MOLD, METHOD FOR APPLYING	(32) 30.01.2015
(11) EP3247678	RELEASE AGENT TO GLASS BOTTLE	30.01.2015
(21) EP16740744.4	FINISHING MOLD, DEVICE FOR	(33) France
(22) 21.01.2016	MANUFACTURING GLASS BOTTLE,	France
(54) METHODS OF USING CALCIUM	AND METHOD FOR MANUFACTURING	(47) 09.03.2022
HYPOCHLORITE COMPOSITIONS	GLASS BOTTLE	(51) C04B 7/24
WITH TRANSIENT COLOR	(73) Nihon Yamamura Glass Co., Ltd.	C04B 18/16
INDICATORS	(72) NISHIMURA, Takahiro	F27B 15/00
(73) Innovative Water Care, LLC	OHNISHI, Kunikazu	F28C 3/14
(72) AKANDE, Janet	IKEDA, Hiroshi	(11) EP3788019
JONES, Janet	ISHIGURO, Shota	(21) EP19742981.4
KHANZADA, Amber	WADA, Ryu	(22) 29.04.2019
UNHOCH, Michael J.	KAWAHARA, Ryusuke	(54) CEMENT WASTE RECYCLING DEVICE
(74) ir. A.R. Aalbers	NAKAJIMA, Hiroshi	(73) C2CA Technology B.V.
(31) 201562106010 P	(74) ir. J.C. Volmer c.s.	(72) BERKOUT, Peter
(32) 21.01.2015	(31) 2018177968	FASE, Harry
(33) United States of America	2017189686	REM, Peter
(47) 16.03.2022	(32) 21.09.2018	HEIJOER, Jaap
(51) C02F 1/78	29.09.2017	(74) mr. ir. J. van Breda c.s.
C02F 3/28	(33) Japan	(31) 2020846
C02F 1/52	Japan	(32) 30.04.2018
C02F 3/06	(47) 27.04.2022	(33) Netherlands
C02F 1/28	(51) C03C 17/25	(47) 20.04.2022
C02F 101/16	G02B 1/111	(51) C04B 30/00
C02F 3/00	H01L 31/0392	C09K 3/10
C02F 3/30	(11) EP3617165	C04B 14/20
C02F 1/00	(21) EP18791143.3	C04B 111/27
(11) EP3732136	(22) 19.04.2018	(11) EP3297970
(21) EP18842476.6	(54) LOW-REFLECTION-FILM-COATED	(21) EP16724950.7
(22) 19.12.2018	TRANSPARENT SUBSTRATE,	(22) 19.05.2016
(54) METHOD AND SYSTEM FOR WATER	PHOTOELECTRIC CONVERSION	(54) SEALING MATERIAL AND GASKET
PURIFICATION USING OZONATION	DEVICE, COATING LIQUID FOR	OF IMPROVED WATER RESISTANCE
(73) Witteveen+Bos N.V.	FORMING LOW-REFLECTION FILM	AND PROCESS FOR MAKING THIS
(72) VAN NIEUWENHUIJZEN, Arjen Frans	FOR LOW-REFLECTION-FILM-	SEALING MATERIAL
(74) dr. R.C. van Duijvenbode c.s.	COATED TRANSPARENT SUBSTRATE,	(73) Flexitallc Investments, Inc.
(31) 2020210	AND PRODUCTION METHOD FOR	(72) WOOLFENDEN, Stephen
(32) 29.12.2017	LOW-REFLECTION-FILM-COATED	SKIPPER, Neal
(33) Netherlands	TRANSPARENT SUBSTRATE	ROGERS, Richard
(47) 18.05.2022	(73) Nippon Sheet Glass Company, Limited	BOND, Stephen Peter
(51) C02F 11/16	(72) KOYO Mizuho	(74) ir. W.J.J.M. Kempes
C02F 11/18	KAWAZU Mitsuhiro	(31) 201606561
C02F 1/52	NAKAZAWA Tatsuhiro	201509650
C02F 11/04	(74) ir. H.A. Witmans c.s.	201508628
C02F 11/06	(31) 2017088245	(32) 14.04.2016
C02F 11/12	(32) 27.04.2017	03.06.2015
C02F 101/10	(33) Japan	20.05.2015
(11) EP3197839	(47) 18.05.2022	(33) United Kingdom
(21) EP15777890.3	(51) C03C 25/34	United Kingdom
(22) 23.09.2015	C09J 161/04	United Kingdom
(54) METHOD AND ARRANGEMENT FOR	(11) EP3250533	(47) 20.04.2022
WASTEWATER TREATMENT	(21) EP16707855.9	(51) C04B 35/46
(73) awama GmbH	(22) 01.02.2016	C04B 35/653
(72) SIEVERS, Michael	(54) MINERAL FIBRE MATS	C23C 4/11
(74) ir. H.A. Witmans c.s.	COMPRISED A BINDER BASED ON	C23C 4/134
(31) 102014013813	LIGNOSULFONATE AND A CARBONYL	C23C 4/16
(32) 23.09.2014	COMPOUND	C23C 14/34
(33) Germany	(73) Institut national de recherche	(11) EP3375904
(47) 20.04.2022	pour l'agriculture, l'alimentation et	(21) EP17160921.7
(51) C03B 40/027	l'environnement	(22) 14.03.2017

- (54) CYLINDRICAL TITANIUM OXIDE SPUTTERING TARGET AND PROCESS FOR MANUFACTURING THE SAME (33) Japan (47) 04.05.2022
- (73) Materion Advanced Materials GmbH Germany (51) C07D 207/38
C07D 401/12
C07D 409/12
A61P 25/00
A61P 25/18
A61P 25/28
A61K 31/4015
A61K 31/4025
A61K 31/4439
- (72) SIMONS, Christoph
SCHULTHEIS, Markus
SCHLOTT, Martin (11) EP3647306
(21) EP18843726.3
(22) 20.06.2018
(54) 4-OXO-ALKYLATED TETRAMIC ACID COMPOUND AND PREPARATION METHOD THEREFOR (73) Beijing Joekai Biotech. LLC (72) XIE, Zuolei
DU, Shuwen
(74) mr. ir. J. van Breda c.s. (31) 201710684334
(32) 11.08.2017
(33) China
(47) 06.04.2022
- (74) ir. J.C. Volmer c.s. (51) C07D 211/34
A61K 31/33
A61K 31/44
A61P 9/10
A61P 9/00
A61P 35/00
C07D 213/82
C07C 275/00
A61K 51/00
A61K 9/127
C07D 213/61
C07D 213/74
A61K 51/04
C07C 275/16
C07C 275/18
C07F 7/22
(11) EP3222615
(21) EP17167057.3
(22) 31.07.2009
(54) METHSA-BINDING AGENTS AND USES THEREOF (73) The Johns Hopkins University (72) Chen, Ying
Pomper, Martin Gilbert
Mease, Ronnie Charles
(74) J.M.H. Duyver lic. (31) 111791 P
85462 P
(32) 06.11.2008
01.08.2008
(33) United States of America
United States of America
(47) 04.05.2022
- (74) ir. W.J.J.M. Kempes (51) C07D 213/84
A61K 401/04
C07D 213/61
A61P 13/08
A61P 35/00
(11) EP3372585
(21) EP18169895.2
(22) 17.12.2015
- (74) dr. R.C. van Duijvenbode c.s. (31) 2017052199
(32) 17.03.2017
- (54) PROCESS FOR THE PREPARATION OF A DIARYLTHIOHYDANTOIN COMPOUND (73) Aragon Pharmaceuticals, Inc. (72) WEERTS, Johan Erwin Edmond
BEN HAIM, Cyril
HORVATH, Andras
(74) dr. R.C. van Duijvenbode c.s. (31) 201462094436 P
(32) 19.12.2014
(33) United States of America
(47) 30.03.2022
- (73) Honeywell International Inc. (51) C07D 277/54
C07D 417/12
C07D 487/10
A61K 31/426
A61K 31/427
A61K 31/428
A61P 35/00
(11) EP3534899
(21) EP17868729.9
(22) 03.11.2017
(54) COMPOUNDS AND METHODS FOR MODULATING INTERLEUKIN-2-INDUCIBLE T-CELL KINASE (73) Corvus Pharmaceuticals, Inc. (72) HUDSON, Ryan
BEAUSOLEIL, Anne-Marie
(74) dr. A. Krebs
(31) 201662417083 P
(32) 03.11.2016
(33) United States of America
(47) 01.06.2022
- (72) MERKEL, Daniel C. (51) C07D 307/46
A61K 31/365
A61K 8/49
(11) EP3481812
(21) EP17742499.1
(22) 06.07.2017
(54) METHOD FOR CONVERTING LEVOGLUCOSENONONE INTO 4-HYDROXYMETHYL BUTYROLACTONE AND 4-HYDROXYMETHYL BUTENOLIDE WITHOUT USING ANY ORGANIC SOLVENT AND CATALYST (73) Institut des Sciences et Industries du Vivant et de l'Environnement - AgroParisTech (72) BONNEAU, Guillaume
ALLAIS, Florent
PERU, Aurélien
FLOURAT, Amandine
(74) dr. W.A.H.M. Van Borm
(31) 1656565
(32) 07.07.2016
(33) France
(47) 09.03.2022
- (72) TUNG, Hsueh Sung
POKROVSKI, Konstantin A. (51) C07C 68/06
B01J 31/02
B01J 31/06
C07C 68/08
C07C 69/96
C07B 61/00
(11) EP2540697
(21) EP11747402.3
(22) 23.02.2011
(54) METHOD FOR PRODUCING DIARYL CARBONATE (73) Asahi Kasei Kabushiki Kaisha (72) MIYAKE, Nobuhisa
NISHIYAMA, Budianto
(74) ir. W.J.J.M. Kempes (31) 2010037928
2010037930
(32) 23.02.2010
23.02.2010
(33) Japan
Japan
(47) 20.04.2022
- (74) ir. W.J.J.M. Kempes (51) C07C 273/16
C07C 275/00
(11) EP3597633
(21) EP18767920.4
(22) 06.03.2018
(54) METHOD FOR GRANULATING UREA (73) Toyo Engineering Corporation (72) USHIFUSA, Akiko
SASAKI, Keigo
NAKAMURA, Shuhei
(74) dr. R.C. van Duijvenbode c.s. (31) 2017052199
(32) 17.03.2017

- (73) Jiangsu Atom Bioscience and Pharmaceutical Co., Ltd.
(72) ZHOU, He
ZHU, Jianghua
WU, Fan
SHI, Dongfang
GU, Jie
YANG, Yan
CHENG, Xi
LI, Pengfei
(74) ir. H.A. Witmans c.s.
(31) 201710386922
(32) 26.05.2017
(33) China
(47) 20.04.2022
(51) C07D 307/87
(11) EP3620455
(21) EP18813582.6
(22) 05.06.2018
(54) NEW PREPARATION METHOD FOR ESCITALOPRAM PAMOATE
(73) Zhejiang Huahai Pharmaceutical Co., Ltd
Shanghai Aobo Pharmtech, Inc., Ltd.
(72) CHEN, Xi
GU, Hong
XU, Wei
(74) dr. ir. G.J.C. Verdijck c.s.
(31) 201710411925
(32) 05.06.2017
(33) China
(47) 13.04.2022
(51) C07D 405/06
C07D 491/20
C07C 271/12
C07C 323/25
C07F 9/165
A61K 31/14
A61K 31/20
A61K 31/202
A61K 31/221
A61K 31/385
A61K 31/4178
A61K 31/439
A61K 31/66
A61P 43/00
(11) EP3522873
(21) EP17857912.4
(22) 19.04.2017
(54) COMPOSITIONS AND METHODS FOR THE TREATMENT OF XEROSTOMIA
(73) CELLIX BIO PRIVATE LIMITED
(72) KANDULA, Mahesh
(74) J.M.H. Duyver lic.
(31) 201641033958
(32) 04.10.2016
(33) India
(47) 16.03.2022
(51) C07D 471/04
A61K 31/4745
A61P 35/00
(11) EP3774795
(21) EP19715027.9
(22) 26.03.2019
(54) 4-(1H- IMIDAZOL- 5- YL) -1H-PYRROLO [2, 3-B] PYRIDINES FOR USE IN THE TREATMENT OF LEUKAEMIAS, LYMPHOMAS AND SOLID TUMORS
(73) Masarykova Univerzita
- (72) BRYJA, Vitezslav
PARUCH, Kamil
NEMEC, Vaclav
GREGOROVA, Michaela
KHIRSARIYA, Prashant
JANOVSKA, Pavlina
(74) ir. A. Blokland c.s.
(31) 18164938
(32) 29.03.2018
(33) European Patent Office (EPO)
(47) 16.03.2022
(51) C07D 471/04
A61P 25/00
A61K 31/437
(11) EP3713940
(21) EP18822142.8
(22) 21.11.2018
(54) SUBSTITUTED AZACYCLES AS MUSCARINIC M1 RECEPTOR POSITIVE ALLOSTERIC MODULATORS
(73) Suven Life Sciences Limited
(72) MOHAMMED, Abdul Rasheed
SHINDE, Anil Karbhari
BADANGE, Rajesh Kumar
JASTI, Venkateswarlu
PALACHARLA, Raghava Choudary
NIROGI, Ramakrishna
(74) dr. A. Krebs
(31) 201741042082
(32) 23.11.2017
(33) India
(47) 04.05.2022
(51) C07D 487/04
C07D 495/04
C07D 513/04
C07D 519/00
A61K 31/381
A61P 31/16
(11) EP3717486
(21) EP18807356.3
(22) 28.11.2018
(54) PYRAZOLOPYRIMIDINES HAVING ACTIVITY AGAINST THE RESPIRATORY SYNCYTIAL VIRUS (RSV)
(73) Janssen Sciences Ireland Unlimited Company
(72) MERCEY, Guillaume Jean Maurice
ROYMANS, Dirk André Emmy
RABOISSON, Pierre Jean-Marie Bernard
GUILLEMONT, Jérôme Émile Georges
LANÇOIS, David Francis Alain
MICHAUT, Antoine Benjamin
RIGAUX, Peter
(74) ir. W.J.J.M. Kempes
(31) 17204280
(32) 29.11.2017
(33) European Patent Office (EPO)
(47) 23.03.2022
(51) C07D 491/10
(11) EP2922854
(21) EP13802788.3
(22) 20.11.2013
(54) SYNTHESIS OF SPIROCYCLIC ISOXAZOLINE DERIVATIVES
(73) Zoetis Services LLC
(72) STUK, Timothy L.
GREENWOOD, Sean D. W.
- (74) dr. R.C. van Duijvenbode c.s.
(31) 201261729022 P
(32) 21.11.2012
(33) United States of America
(47) 04.05.2022
(51) C07D 495/04
C09K 11/06
H01L 51/00
(11) EP3765463
(21) EP19710694.1
(22) 14.03.2019
(54) ANTHRADITHIOPHENE DERIVATIVES, PROCESS FOR THE PREPARATION THEREOF AND POLYMERS THAT CONTAIN THEM
(73) ENI S.p.A.
(72) BIANCHI, Gabriele
NITTI, Andrea
PASINI, Dario
(74) ir. J.C. Volmer c.s.
(31) 201800003610
(32) 15.03.2018
(33) Italy
(47) 04.05.2022
(51) C07F 15/02
C07C 251/08
C08F 36/00
C08F 36/08
C08F 136/06
C08F 4/70
C07C 249/02
(11) EP3571210
(21) EP18702336.1
(22) 18.01.2018
(54) OXO-NITROGENATED IRON COMPLEX, CATALYTIC SYSTEM COMPRISING SAID OXO-NITROGENATED IRON COMPLEX AND PROCESS FOR THE (CO)POLYMERIZATION OF CONJUGATED DIENES
(73) Versalis S.p.A.
(72) MASI, Francesco
SOMMAZZI, Anna
PAMPALONI, Guido
RENILI, Filippo
RICCI, Giovanni
(74) ir. J.C. Volmer c.s.
(31) 201700006307
(32) 20.01.2017
(33) Italy
(47) 13.04.2022
(51) C07K 1/30
C07K 1/34
C07K 1/36
B01J 20/08
C07K 14/75
A61K 38/36
(11) EP3404037
(21) EP17738641.4
(22) 12.01.2017
(54) METHOD FOR PURIFYING FIBRINOGEN
(73) Green Cross Holdings Corporation
(72) LEE, Ju Ho
KIM, Jun Sic
PARK, Ji Yoon
SHIN, Yong Won

SON, Jae Woon	PORDY, Robert C.	VAYNBERG, Konstantin, A.
KIM, Hyo Jin	CHAUDHARI, Umesh	BHARGAVA, Prachur
(74) ir. A. Blokland c.s.	BACCARA-DINET, Marie	(74) dr. R.C. van Duijvenbode c.s.
(31) 20160003475	SASIELA, William J.	(31) 201161449846 P
(32) 12.01.2016	SCHWEMMER GIPE, Daniel A.	(32) 07.03.2011
(33) Korea (Republic)	(74) ir. W.J.J.M. Kempes	(33) United States of America
(47) 11.05.2022	(31) 201462054571 P	(47) 04.05.2022
(51) C07K 14/47	201462025104 P	(51) C08B 37/00
A61K 38/00	201462004620 P	(11) EP3707168
(11) EP3453721	201461955514 P	(21) EP18807806.7
(21) EP18182321.2	201461923103 P	(22) 06.11.2018
(22) 16.09.2016	201361890154 P	(54) UNIQUE MORPHOLOGICAL
(54) PROCESS OF MANUFACTURE OF	14306584	POLYSACCHARIDE
ANNEXIN V	14306221	(73) Nutrition & Biosciences USA 4, Inc.
(73) Annexin Pharmaceuticals AB	(32) 24.09.2014	(72) BEHABTU, Natnael
(72) REICH,, Jan Christoph	16.07.2014	SCOTT, David M.
MOKS,, Toomas	29.05.2014	BRUN, Yefim
(74) drs. C.M.A. Quintelier	19.03.2014	LONDONO, Juan David
(31) 201516516	02.01.2014	(74) ir. W.J.J.M. Kempes
(32) 17.09.2015	11.10.2013	(31) 201762584150 P
(33) United Kingdom	09.10.2014	(32) 10.11.2017
(47) 25.05.2022	31.07.2014	(33) United States of America
(51) C07K 14/755	(33) United States of America	(47) 30.03.2022
(11) EP3298036	United States of America	(51) C08B 37/00
(21) EP16725477.0	United States of America	A61K 47/64
(22) 20.05.2016	United States of America	C12P 19/04
(54) METHODS FOR PREPARING	United States of America	(11) EP3406635
MODIFIED VON WILLEBRAND FACTOR	United States of America	(21) EP18177128.8
(73) CSL Behring Lengnau AG	European Patent Office (EPO)	(22) 20.03.2008
(72) PELZING, Matthias	European Patent Office (EPO)	(54) SHORTENED PURIFICATION
BELTZ, Hans-Wilhelm	(47) 23.03.2022	PROCESS FOR THE PRODUCTION
SCHULTE, Stefan	(51) C07K 19/00	OF CAPSULAR STREPTOCOCCUS
WEIMER, Thomas	A61K 38/16	PNEUMONIAE POLYSACCHARIDES
PESTEL, Sabine	A61K 38/45	(73) Wyeth LLC
(74) dr. R.C. van Duijvenbode c.s.	A61P 35/02	(72) Ruppen, Mark
(31) 15168934	C07K 14/705	Sun, Wei-Qiang
(32) 22.05.2015	C07K 16/00	Patch, James
(33) European Patent Office (EPO)	C12N 15/62	Moran, Justin K.
(47) 06.04.2022	A61K 38/00	Chu, Ling
(51) C07K 16/18	(11) EP3575326	Fink Charbonneau, Pamela
A61K 39/395	(21) EP19185175.7	Simpson, John
A61P 25/02	(22) 17.12.2013	Yuan, Yonghui
(11) EP3478713	(54) TREATMENT OF CD47+ DISEASE	(74) dr. R.C. van Duijvenbode c.s.
(21) EP17740200.5	CELLS WITH SIRP ALPHA-FC	(31) 89661607 P
(22) 30.06.2017	FUSIONS	(32) 23.03.2007
(54) COMPOSITIONS FOR TREATING	(73) Trillium Therapeutics Inc.	(33) United States of America
AMYLOIDOSIS	(72) SLAVOVA-PETROVA, Penka Slavtcheva	(47) 11.05.2022
(73) Prothena Biosciences Limited	UGER, Robert Adam	(51) C08F 4/656
(72) KOLLER, Martin	PANG, Xinli	C08F 4/654
GUTHRIE, Spencer D.	(74) dr. R.C. van Duijvenbode c.s.	C08F 10/00
KINNEY, Gene G.	(31) 201261738008 P	(11) EP2567986
(74) dr. R.C. van Duijvenbode c.s.	(32) 17.12.2012	(21) EP11863798.2
(31) 201662357151 P	(33) United States of America	(22) 03.06.2011
(32) 30.06.2016	(47) 13.04.2022	(54) OLEFIN POLYMERIZATION CATALYST
(33) United States of America	(51) C08B 15/00	AND PREPARATION METHOD AND
(47) 11.05.2022	C08L 1/28	USE THEREOF
(51) C07K 16/40	C09D 101/28	(73) Petrochina Company Limited
A61K 39/395	C08K 5/098	(72) LI, Zhifei
A61P 3/06	C08J 3/05	YI, Jianjun
(11) EP3689913	C08L 33/08	WANG, Liang
(21) EP19210918.9	(11) EP2683743	YIN, Baozuo
(22) 10.10.2014	(21) EP12709466.2	LI, Huashu
(54) USE OF A PCSK9 INHIBITOR TO	(22) 06.03.2012	ZHANG, Jianying
TREAT HYPERLIPIDEMIA	(54) WATER SOLUBLE POLYMER POWDER	CUI, Chunming
(73) Regeneron Pharmaceuticals, Inc.	FORMULATION HAVING IMPROVED	CUI, Liang
Sanofi Biotechnology	DISPERSING PROPERTIES	(74) J.M.H. Duyver lic.
(72) HANOTIN, Corinne	(73) Hercules LLC	(31) 201110102567
BESSAC, Laurence	(72) NGUYEN, Tuyen, T.	(32) 22.04.2011

(33) China	(54) LOW VISCOSITY, FAST CURING	Rossi, Marco
(47) 13.04.2022	ADHESIVE LAMINATE-COMPOSITION	(72) Ligato, Alessio
(51) C08F 210/16	(73) Henkel AG & Co. KGaA	Rossi, Marco
C08F 4/6592	(72) GARMANN, Helga	Gozzini, Palmiro Giuseppe
C08F 2/34	BANKMANN, Dennis	(74) dr. R.C. van Duijvenbode c.s.
C08F 210/02	HÖLTGEN, Michael	(31) 17207976
(11) EP3105262	SEEHAGEN, Ines	(32) 18.12.2017
(21) EP15708625.7	(74) dr. R.C. van Duijvenbode c.s.	(33) European Patent Office (EPO)
(22) 10.02.2015	(47) 27.04.2022	(47) 09.03.2022
(54) METHOD TO PREPARE ETHYLENE COPOLYMERS	(51) C08G 63/91	(51) C08L 7/02
(73) Univation Technologies, LLC	(11) EP3746497	C08L 1/02
(72) LUE, Ching-Tai	(21) EP19720715.2	C08L 21/00
HARLAN, C. Jeff	(22) 25.01.2019	(11) EP3765563
RIX, Francis C.	(54) HYPERBRANCHED POLYLACTIDE	(21) EP19713170.9
McCULLOUGH, Laughlin G.	RESIN COMPOSITIONS	(22) 18.03.2019
(74) ir. J.D. de Zeeuw	(73) NatureWorks LLC	(54) BIODEGRADABLE COATINGS FOR BIODEGRADABLE SUBSTRATES
(31) 201462087914 P	(72) RANDALL, Jed Richard	(73) Choose Water Limited
201462088196 P	HOSSIENY, Nemat	(72) LONGCROFT, James Henry Stoddart
201462087911 P	KULSHRESTHA, Aman	(74) dr. W.A.H.M. Van Borm
201462087905 P	(74) dr. R.C. van Duijvenbode c.s.	(31) 201804218
201462032383 P	(31) 201862625440 P	(32) 16.03.2018
201461985151 P	(32) 02.02.2018	(33) United Kingdom
201461981291 P	(33) United States of America	(47) 09.03.2022
201461938472 P	(47) 23.03.2022	(51) C08L 31/04
201461938466 P	(51) C08G 65/30	C09K 17/20
(32) 05.12.2014	(11) EP3475337	E02D 3/12
05.12.2014	(21) EP17733331.7	C04B 24/26
05.12.2014	(22) 19.06.2017	C04B 24/38
05.12.2014	(54) PROCESSES FOR REMOVING WATER FROM A POLYETHER POLYOL	C08L 29/04
01.08.2014	(73) Covestro LLC	C08L 33/26
28.04.2014	(72) CAPUTO, Jenna L.	(11) EP3847215
18.04.2014	WAGNER, Daniel R.	(21) EP18773102.1
11.02.2014	OTTO, Matthew S.	(22) 06.09.2018
11.02.2014	CHRISTMAN II, Mark A.	(54) POLYMER POWDER COMPOSITIONS REDISPERSIBLE IN WATER
(33) United States of America	(74) ir. W.J.J.M. Kempes	(73) Wacker Chemie AG
United States of America	(31) 201615190841	(72) HASHEMZADEH, Abdulmajid
United States of America	(32) 23.06.2016	(74) ir. W.J.J.M. Kempes
United States of America	(33) United States of America	(47) 23.03.2022
United States of America	(47) 01.06.2022	(51) C08L 95/00
United States of America	(51) C08G 75/02	C08L 19/00
United States of America	C08G 75/12	C08L 17/00
United States of America	(11) EP3535311	C08K 5/372
United States of America	(21) EP17809085.8	(11) EP3771727
United States of America	(22) 03.11.2017	(21) EP19189591.1
(47) 30.03.2022	(54) SULFUR-CONTAINING POLY(ALKENYL) ETHERS, PREPOLYMERS INCORPORATING SULFUR-CONTAINING POLY(ALKENYL) ETHERS, AND USES THEREOF	(22) 01.08.2019
(51) C08G 18/63	(73) PRC-Desoto International, Inc.	(54) RUBBER-MODIFIED BITUMEN, METHOD FOR ITS PREPARATION AND ITS USE IN ASPHALT
C08G 18/81	(72) CUI, Weibin	(73) LANXESS Deutschland GmbH
C08F 283/06	LIN, Renhe	(72) KLEIN, Thomas
C08F 290/06	(74) dr. W.A.H.M. Van Borm	Rossrucker, Thomas
(11) EP3872110	(31) 201662417848 P	Horstmann, Sandra
(21) EP20382130.1	(32) 04.11.2016	Kusterer, Svenja
(22) 25.02.2020	(33) United States of America	(74) ir. W.J.J.M. Kempes
(54) PROCESS FOR PREPARING POLYMER POLYOLS	(47) 25.05.2022	(47) 23.03.2022
(73) Repsol, S.A.	(51) C08K 3/22	(51) C09D 143/04
(72) PÉREZ VALENCIA, Juan Pedro	C08K 3/04	C09D 5/16
CARAZO ANGULO, José Antonio	(11) EP3728435	C09D 7/40
(74) ir. A.R. Aalbers	(21) EP18836883.1	C09D 7/63
(47) 23.03.2022	(22) 17.12.2018	C09D 7/65
(51) C08G 18/66	(54) PRODUCT MANUFACTURED WITH A COMPOSITE MATERIAL	C09D 183/04
C08G 18/72	(73) Ligato, Alessio	C09D 183/07
C08G 18/76	Gozzini, Palmiro Giuseppe	(11) EP3567085
C08G 18/12		(21) EP18874999.8
C09J 175/08		(22) 30.03.2018
(11) EP3327056		
(21) EP16200721.5		
(22) 25.11.2016		

(54) COATING COMPOSITION AND COATING FILM FORMED THEREFROM	(32) 21.12.2015	G01N 33/574
(73) Nippon Paint Marine Coatings Co., Ltd.	(33) Italy	(11) EP3400996
(72) KITAMURA, Wataru	(47) 30.03.2022	(21) EP18179948.7
KAJI, Hirokazu	(51) C10G 31/08	(22) 31.05.2013
NAGASE, Yasuhisa	C10G 9/00	(54) CAPTURE, IDENTIFICATION AND USE OF A NEW BIOMARKER OF SOLID TUMORS IN BODY FLUIDS
TSUJI, Tomohiro	F01K 23/00	(73) Creatv Microtech, Inc.
TAKAO, Yusuke	F02C 3/00	(72) ADAMS, Daniel
(74) ir. J.C. Volmer c.s.	F01K 27/02	TANG, Cha-Mei
(47) 04.05.2022	F22B 1/18	(74) J.M.H. Duyver lic.
(51) C09J 7/20	(11) EP3565873	(31) 201361787863 P
C09J 7/38	(21) EP17833060.1	201361773026 P
C09J 7/29	(22) 27.12.2017	201261654636 P
B32B 7/06	(54) PROCESSES FOR POWER GENERATION	(32) 15.03.2013
(11) EP3820955	(73) Saudi Arabian Oil Company	05.03.2013
(21) EP19737500.9	(72) ALQARZOUH, Muneef F.	01.06.2012
(22) 03.07.2019	CHOI, Ki-Hyoun	(33) United States of America
(54) LOCALLY DEACTIVATED RELEASE COATING	ALABDULHADI, Abdullah T.	United States of America
(73) Loparex Germany GmbH & Co. KG	ALABSI, Mohannad H.	United States of America
(72) PANHANS, Jürgen	(74) ir. W.J.J.M. Kempes	(47) 18.05.2022
(74) dr. R.C. van Duijvenbode c.s.	(31) 201715840525	(51) C12N 7/00
(31) 102018116748	201762442073 P	(11) EP3408382
(32) 11.07.2018	(32) 13.12.2017	(21) EP17704150.6
(33) Germany	04.01.2017	(22) 27.01.2017
(47) 04.05.2022	(33) United States of America	(54) ONCOLYTIC VIRAL VECTORS AND USES THEREOF
(51) C09K 8/58	United States of America	(73) Oncorus, Inc.
C09K 8/68	(47) 06.04.2022	(72) GREENBERG, Kenneth P.
C09K 8/88	(51) C12M 1/107	FINER, Mitchell H.
C08J 3/09	C12M 1/12	(74) ir. W.J.J.M. Kempes
C08F 6/24	(11) EP3668965	(31) 201662287619 P
(11) EP3212732	(21) EP18769755.2	(32) 27.01.2016
(21) EP15854612.7	(22) 09.08.2018	(33) United States of America
(22) 29.10.2015	(54) BIOLOGICAL METHANATION REACTOR	(47) 23.03.2022
(54) POLYMER COMPOSITIONS	(73) ENGIE	(51) C12N 9/10
(73) Chevron U.S.A. Inc.	(72) MAHEUT, Marion	C07K 14/81
(72) MALIK, Taimur	FORTIN, Stéphane	C12P 21/00
DEAN, Robert M.	KARA, Yilmaz	(11) EP3601548
DWARAKANATH, Varadarajan	CAPELA, Sandra	(21) EP18711336.0
POULSEN, Anette	(74) dr. W.A.H.M. Van Borm	(22) 15.03.2018
SUBRAHMANYAN, Sumitra	(31) 1757703	(54) RECOMBINANT GLYCOPROTEINS WITH REDUCED ANTENNARY FUCOSYLATION
THACH, Sophany	(32) 16.08.2017	(73) CEVEC Pharmaceuticals GmbH
KIM, Do Hoon	(33) France	(72) RIBBERT, Markus
ALEXIS, Dennis Arun	(47) 23.03.2022	WÖLFEL, Jens
(74) dr. R.C. van Duijvenbode c.s.	(51) C12N 1/21	SCHIEDNER, Gudrun
(31) 201462073174 P	C12N 15/52	SCHMIDT, Hanns-Martin
(32) 31.10.2014	C12P 13/22	WISSING, Silke
(33) United States of America	(11) EP3159401	(74) dr. R.C. van Duijvenbode c.s.
(47) 11.05.2022	(21) EP15811391.0	(31) 17000521
(51) C09K 17/32	(22) 23.06.2015	(32) 29.03.2017
E21D 9/06	(54) MICROORGANISM OF THE GENUS ESCHERICHIA PRODUCING L-TRYPTOPHAN AND METHOD FOR PRODUCING L-TRYPTOPHAN USING THE SAME	(33) European Patent Office (EPO)
(11) EP3394205	(73) CJ Cheiljedang Corporation	(47) 04.05.2022
(21) EP16815565.3	(72) KIM, Kyung Rim	(51) C12N 9/12
(22) 06.12.2016	CHEONG, Ki Yong	C12N 1/20
(54) USE OF A FOAMING ADDITIVE FOR SOIL CONDITIONING IN THE PRESENCE OF MECHANISED EXCAVATION FOR TUNNEL CONSTRUCTION	HONG, Hyeong Pyo	C12P 13/08
(73) Mapei S.p.A.	LEE, Seok Myung	(11) EP3196300
(72) DAL NEGRO, Enrico	LEE, Kwang Ho	(21) EP15837358.9
SQUINZI, Marco	LEE, Keun Cheol	(22) 04.09.2015
PEILA, Daniele	(74) dr. R.C. van Duijvenbode c.s.	(54) MICROORGANISM WITH IMPROVED L-LYSINE PRODUCTIVITY, AND METHOD FOR PRODUCING L-LYSINE BY USING SAME
PISTOLESI, Carlo	(31) 20140076698	(73) Cj Cheiljedang Corporation
STEFANONI, Massimo	(32) 23.06.2014	(72) KIM, Hyung Joon
MALTESE, Cristiano	(33) Korea (Republic)	RYU, Song-Gi
(74) dr. R.C. van Duijvenbode c.s.	(47) 18.05.2022	
(31) UB20159216	(51) C12N 5/0786	

MOON, Jun Ok	(54) TREATMENT OF	26.02.2010
HUH, Lan	FACIOSCAPULOHUMERAL	14.01.2010
LEE, Kwang Ho	DYSTROPHY	14.01.2010
(74) dr. R.C. van Duijvenbode c.s.	(73) Association Institut de Myologie	(33) United States of America
(31) 20140119137	Centre National de la Recherche	United States of America
(32) 05.09.2014	Scientifique	United States of America
(33) Korea (Republic)	Institut National de la Santé et de la	United States of America
(47) 11.05.2022	Recherche Médicale	United States of America
(51) C12N 9/28	SORBONNE UNIVERSITE	United States of America
C12P 19/14	(72) DUMONCEAUX, Julie	(47) 23.03.2022
(11) EP3783103	VOIT, Thomas	(51) C12P 7/40
(21) EP20198751.8	MARIOT, Virginie	C12P 7/54
(22) 19.05.2010	(74) J.M.H. Duyver lic.	C12N 1/21
(54) AMYLASE POLYPEPTIDES	(31) 15305184	C07D 207/263
(73) DuPont Nutrition Biosciences ApS	(32) 06.02.2015	C07D 307/33
(72) MEJLDAL, Rie	(33) European Patent Office (EPO)	C12N 15/52
JENNER, Rikke L. Bundgaard	(47) 23.03.2022	C12P 13/06
KRAGH, Karsten Matthias	(51) C12N 15/113	(11) EP3150710
KELLET-SMITH, Anja Hemmingsen	C12N 15/11	(21) EP14886152.9
MIKKELSEN, René	C12N 15/82	(22) 24.03.2014
(74) ir. W.J.J.M. Kempes	(11) EP3684930	(54) METHOD FOR PREPARING
(31) 17952509 P	(21) EP18786034.1	HOMOSERINE LACTONE
09160655	(22) 18.09.2018	AND ORGANIC ACID FROM
(32) 19.05.2009	(54) MODIFYING THE SPECIFICITY	MICROORGANISM-DERIVED O-ACYL
19.05.2009	OF PLANT NON-CODING RNA	HOMOSERINE
(33) United States of America	MOLECULES FOR SILENCING GENE	(73) Cj Cheiljedang Corporation
European Patent Office (EPO)	EXPRESSION	(72) CHANG, Jin Sook
(47) 30.03.2022	(73) Tropic Biosciences UK Limited	JHON, Sung Hoo
(51) C12N 9/64	(72) CHAPARRO GARCIA, Angela	LEE, Han Won
C12N 15/57	GALANTY, Yaron	YANG, Young Lyeol
(11) EP3310914	MAORI, Eyal	KIM, So Young
(21) EP16751481.9	MEIR, Ofir	SHIN, Yong Uk
(22) 22.06.2016	PIGNOCCHI, Cristina	GOH, Young Hyong
(54) VARIANTS OF CHYMOSIN WITH	(74) dr. R.C. van Duijvenbode c.s.	UM, Hye Won
IMPROVED PROPERTIES	(31) 201719516	(74) J.M.H. Duyver lic.
(73) Chr. Hansen A/S	201715116	(31) 20140032512
(72) JAECKEL, Christian	201715113	(32) 20.03.2014
JEPPESEN, Iben	(32) 23.11.2017	(33) Korea (Republic)
LUND, Martin	19.09.2017	(47) 11.05.2022
VAN DEN BRINK, Johannes Maarten	19.09.2017	(51) C12P 19/34
RIISBERG, Lone	(33) United Kingdom	C12Q 1/68
HANSEN, Enikö Fodor	United Kingdom	C12N 15/10
(74) dr. R.C. van Duijvenbode c.s.	United Kingdom	(11) EP3699289
(31) 15173099	(47) 04.05.2022	(21) EP20165344.1
(32) 22.06.2015	(51) C12N 15/82	(22) 09.06.2015
(33) European Patent Office (EPO)	(11) EP3473721	(54) SAMPLE PREPARATION FOR NUCLEIC
(47) 06.04.2022	(21) EP18212220.0	ACID AMPLIFICATION
(51) C12N 15/10	(22) 14.01.2011	(73) Illumina Cambridge Limited
(11) EP3728585	(54) PLANT REGULATORY ELEMENTS AND	(72) KOKKO-GONZALES, Paula
(21) EP18822043.8	USES THEREOF	FRASER, Louise
(22) 17.12.2018	(73) Monsanto Technology LLC	SLATTER, Andrew
(54) NOVEL PROCESSES FOR	(72) FLASINSKI, Stanislaw	(74) ir. J.D. de Zeeuw
THE PRODUCTION OF	QIU, Bo-Xing	(31) 201412207
OLIGONUCLEOTIDES	CHITTOOR, Jaishree, M.	201410196
(73) GlaxoSmithKline Intellectual Property	LI, Zhao Long	(32) 09.07.2014
Development Limited	WU, Wei	09.06.2014
(72) CRAMERI, Andreas	DIETRICH, Charles	(33) United Kingdom
TEW, David Graham	GUO, Liang	United Kingdom
(31) 201721307	(74) ir. W.J.J.M. Kempes	(47) 13.04.2022
(32) 19.12.2017	(31) 33192410 P	(51) C12P 21/02
(33) United Kingdom	30891910 P	C07K 14/50
(47) 16.03.2022	30892110 P	A61K 38/18
(51) C12N 15/113	33905710 P	A61P 1/12
(11) EP3253874	29516010 P	A61P 3/00
(21) EP16703768.8	29516210 P	A61P 3/06
(22) 08.02.2016	(32) 06.05.2010	A61P 3/10
	27.02.2010	A61P 1/16
	27.02.2010	(11) EP2938740

(21) EP13868063.2	WU, Yir-Shyuan	(73) Liquid Biopsy Research LLC
(22) 26.12.2013	MOON, John A.	(72) KIDD, Mark
(54) CHIMERIC FGF19 PEPTIDES FOR USE IN TREATING BILE ACID DISORDERS	LIN, Shengrong	DROZDOV, Ignat
(73) NGM Biopharmaceuticals, Inc.	(74) dr. R.C. van Duijvenbode c.s.	MODLIN, Irvin Mark
(72) LUO, Jian	(31) 201161495266 P	(74) ir. W.J.J.M. Kempes
LING, Lei	(32) 09.06.2011	(31) 201762535419 P
(74) J.M.H. Duyver lic.	(33) United States of America	(32) 21.07.2017
(31) 201361887129 P	(47) 13.04.2022	(33) United States of America
201361779604 P	(51) C12Q 1/68869	(47) 23.03.2022
201261746499 P	G16B 25/00	(51) C12Q 1/6886
(32) 04.10.2013	G16B 30/00	(11) EP3743534
13.03.2013	G16B 30/10	(21) EP19703616.3
27.12.2012	(11) EP3566158	(22) 22.01.2019
(33) United States of America	(21) EP18702831.1	(54) METHODS FOR COLON CANCER DETECTION AND TREATMENT MONITORING
United States of America	(22) 05.01.2018	(73) Liquid Biopsy Research LLC
United States of America	(54) PHASING CORRECTION	(72) DROZDOV, Ignat
(47) 20.04.2022	(73) Illumina, Inc.	KIDD, Mark
(51) C12Q 1/68	(72) LANGLOIS, Robert	MODLIN, Irvin Mark
(11) EP3464616	BELITZ, Paul	(74) ir. W.J.J.M. Kempes
(21) EP17727332.3	(74) ir. W.J.J.M. Kempes	(31) 201862620015 P
(22) 25.05.2017	(31) 201762443294 P	(32) 22.01.2018
(54) METHOD	(32) 06.01.2017	(33) United States of America
(73) Oxford Nanopore Technologies plc	(33) United States of America	(47) 23.03.2022
(72) GUTIERREZ, Richard Alexander	(47) 20.04.2022	(51) C22B 7/00
HERON, Andrew John	(51) C12Q 1/6883	C22B 21/00
WHITE, James	C12Q 1/70	(11) EP3611276
(74) dr. W.A.H.M. Van Borm	(11) EP3608425	(21) EP18189141.7
(31) 201609436	(21) EP19194614.4	(22) 15.08.2018
201609241	(22) 09.07.2015	(54) METHOD FOR PRODUCING SECONDARY ALUMINIUM
(32) 27.05.2016	(54) HCBI, MSBI, MSSI AND CMI SEQUENCES AS AN EARLY MARKER FOR THE FUTURE DEVELOPMENT OF CANCER AND DISEASES OF THE CNS AND AS A TARGET FOR THE TREATMENT AND PREVENTION OF THESE DISEASES	(73) Norsk Hydro ASA
25.05.2016	(73) Deutsches Krebsforschungszentrum	(72) Scharf-Bergmann, Roland
(33) United Kingdom	(72) Whitley, Corinna	(74) dr. R.C. van Duijvenbode c.s.
United Kingdom	Pérez, Iranzu Lamberto	(47) 06.04.2022
(47) 04.05.2022	Gunst, Karin	(51) C23C 14/00
(51) C12Q 1/6806	de Villiers-zur Hausen, Ethel-Michele	C23C 14/32
C12Q 1/6883	zur Hausen, Harald	C23C 28/00
C12Q 1/6886	(74) dr. R.C. van Duijvenbode c.s.	C23C 14/16
(11) EP3649257	(31) 14176624	C23C 14/02
(21) EP18745508.4	(32) 10.07.2014	B22F 3/105
(22) 06.07.2018	(33) European Patent Office (EPO)	B22F 5/04
(54) ENRICHMENT OF TARGETED GENOMIC REGIONS FOR MULTIPLEXED PARALLEL ANALYSIS	(47) 13.04.2022	B22F 9/04
(73) NIPD GENETICS PUBLIC COMPANY LIMITED	(51) C12Q 1/6886	C22C 1/04
(72) TSANGARAS, Kyriakos	(11) EP3631017	(11) EP3612660
KYPRI, Elena	(21) EP18731615.3	(21) EP18719140.8
MINA, Petros	(22) 21.05.2018	(22) 19.04.2018
KOUMBARIS, George	(54) METHODS FOR MELANOMA DETECTION	(54) PVD BOND COAT
ACHILLEOS, Acilleas	(73) Liquid Biopsy Research LLC	(73) Oerlikon Surface Solutions AG, Pfäffikon
IOANNIDES, Marios	(72) MODLIN, Irvin	(72) GINDRAT, Malko
PATSALIS, Philippos	DROZDOV, Ignat	RAMM, Jürgen
(74) J.M.H. Duyver lic.	KIDD, Mark	POLCIK, Peter
(31) 201762529667 P	(74) ir. W.J.J.M. Kempes	WIDRIG, Beno
(32) 07.07.2017	(31) 201762511058 P	(74) dr. R.C. van Duijvenbode c.s.
(33) United States of America	(32) 25.05.2017	(31) 5342017
(47) 30.03.2022	(33) United States of America	(32) 21.04.2017
(51) C12Q 1/6837	(47) 23.03.2022	(33) Switzerland
G01N 21/25	(51) C12Q 1/6886	(47) 13.04.2022
G01N 27/447	(11) EP3655553	(51) C23C 14/28
(11) EP2718465	(21) EP18755985.1	(11) EP3868916
(21) EP12797526.6	(22) 18.07.2018	(21) EP20158312.7
(22) 08.06.2012	(54) METHODS FOR DETECTION OF PLASMA CELL DYSCRASIA	(22) 19.02.2020
(54) METHOD OF MAKING AN ANALYTE ARRAY		(54) FILTER FOR A PLASMA PLUME
(73) Illumina, Inc.		(73) Solmates B.V.
(72) GUNDERSON, Kevin		(72) Bohm, Kristiaan Hendrikus Aloysius Hopman, Willem Cornelis Lambert Dekkers, Jan Matthijn

Janssens, Jan Arnaud	10.02.2017	B32B 37/00
Heuver, Jeroen Aaldert	10.02.2017	D06N 3/00
(74) J.M.H. Duyver lic.	01.10.2016	D06M 15/507
(47) 18.05.2022	01.10.2016	D06M 15/643
(51) C23C 16/455	(33) United States of America	D06M 13/02
C23C 16/40	United States of America	D06M 101/32
H01M 8/1213	United States of America	D06M 101/34
H01M 8/1253	United States of America	(11) EP3847308
(11) EP3099836	United States of America	(21) EP20751547.9
(21) EP14702745.2	(47) 06.04.2022	(22) 05.08.2020
(22) 14.01.2014	(51) D03J 1/14	(54) COATED MICROFIBROUS WEB AND
(54) A METHOD OF PRODUCING SOFC	(11) EP3754071	METHOD FOR PRODUCING THE
CATHODE DIFFUSION BARRIER	(21) EP19180586.0	SAME
LAYER AND A SOFC	(22) 17.06.2019	(73) MAVIG GmbH
(73) Elcogen AS	(54) METHOD, DEVICE, MOVABLE CART	(72) STREIT, Gaby
(72) SEPPÄLÄ, Sanni	AND RETRACTION MACHINE	LEUCHT, Thomas
SUBBI, Juhan	(73) Groz-Beckert KG	(74) ir. H.A. Witmans c.s.
RITALA, Mikko	(72) GESING, Karl-Heinz	(31) 102019005746
LESKELÄ., Markku	KAILER, Stefan	(32) 16.08.2019
ÖUNPUU, Enn	ACKER, Michael	(33) Germany
NIINISTÖ, Jaakko	PFEFFER, Bernd	(47) 06.04.2022
(74) dr. R.C. van Duijvenbode c.s.	GERTH, Christian	(51) E01B 5/02
(47) 20.04.2022	(74) dr. R.C. van Duijvenbode c.s.	E01B 7/02
(51) C23C 24/10	(47) 30.03.2022	(11) EP3775375
B23K 26/342	(51) D04H 11/08	(21) EP19717411.3
F16J 15/34	B32B 33/00	(22) 29.03.2019
(11) EP3473749	B32B 5/00	(54) TONGUE RAIL
(21) EP18199775.0	A44B 18/00	(73) voestalpine Turnout Technology Zeltweg
(22) 11.10.2018	A61F 13/15	GmbH
(54) METHOD OF APPLYING A COATING	A61F 13/20	voestalpine Railway Systems GmbH
TO A COMPONENT AND COMPONENT	D04H 13/00	(72) PÖSENDORFER, Markus
PRODUCED ACCORDING TO THE	D05C 17/02	DORNIG, Peter
METHOD	A47K 10/32	(74) ir. A. Blokland c.s.
(73) Christian Maier GmbH & Co. KG	A61F 13/511	(31) 872018
Maschinenfabrik	A61F 13/512	(32) 29.03.2018
(72) SCHWENK, Günther	A61F 13/534	(33) Austria
MAIER, Florian	A61F 13/538	(47) 04.05.2022
(74) drs. A.A. Jilderda	A61F 13/51	(51) E01B 27/00
(31) 102017218580	A61F 13/513	E01B 27/02
(32) 18.10.2017	A61K 8/02	B61D 7/32
(33) Germany	A61Q 5/00	E01B 27/10
(47) 15.06.2022	A61Q 5/02	B61D 15/00
(51) C40B 20/04	A61Q 19/00	E01C 19/00
C40B 40/06	A61Q 19/10	(11) EP3475486
C40B 70/00	(11) EP1573108	(21) EP17832912.4
B01J 19/00	(21) EP03814114.9	(22) 11.12.2017
C12Q 1/6806	(22) 16.12.2003	(54) MATERIAL HAULING WAGON
C12Q 1/6841	(54) TUFTED LAMINATE WEB	ASSEMBLY, AND METHOD FOR
(11) EP3519612	(73) THE PROCTER & GAMBLE COMPANY	LOADING THE MATERIAL HAULING
(21) EP17857595.7	(72) HAMMONS, John, Lee	WAGON ASSEMBLY
(22) 29.09.2017	LLOYD, Susan, Nicole	(73) Zuercher Holding GmbH
(54) DNA BARCODE COMPOSITIONS	TURNER, Robert, Haines	(72) ZÜRCHER, Ralf
AND METHODS OF IN SITU	CURRO, John, Joseph	(74) dr. W.A.H.M. Van Borm
IDENTIFICATION IN A MICROFLUIDIC	HOYING, Jody, Lynn	(31) 102016014833
DEVICE	(31) 610299	(32) 14.12.2016
(73) Berkeley Lights, Inc.	324661	(33) Germany
(72) TOH, Mckenzi S.	(32) 30.06.2003	(47) 06.04.2022
RAMENANI, Ravi K.	20.12.2002	(51) E04B 2/78
SOUMILLON, Magali	(33) United States of America	E04C 3/07
BENNETT, Hayley M.	United States of America	(11) EP3234272
MEJIA GONZALES, Yara X.	(47) 27.04.2022	(21) EP14827734.6
(74) ir. W.J.J.M. Kempes	(51) D06M 13/203	(22) 17.12.2014
(31) 201762470669 P	D06M 13/224	(54) DRYWALL HAVING AT LEAST ONE
201762457582 P	D06M 13/148	SEPARATE INTERMEDIATE LAYER OF
201762457399 P	D06M 15/564	PLASTERBOARDS
201662403111 P	D06M 13/00	(73) Knauf Gips KG
201662403116 P	D06N 3/14	(72) ÇELİK, Harun
(32) 13.03.2017	G21F 1/12	GÖKÇORA, Bartu

(74) dr. W.A.H.M. Van Borm	(21) EP18745939.1	(11) EP3211175
(47) 04.05.2022	(22) 26.07.2018	(21) EP16157498.3
(51) E04D 5/06	(54) COUPLING SYSTEM FOR AN ELECTROMECHANICAL LOCK	(22) 26.02.2016
(11) EP3134590	(73) EVVA Sicherheitstechnologie GmbH	(54) HOISTING SYSTEM AND METHOD FOR OPERATING THE SAME
(21) EP15723355.2	(72) CHAVERT, Alfonso Bartolomé NEUMAYER, Harald	(73) National Oilwell Varco Norway AS
(22) 27.04.2015	(74) dr. R.C. van Duijvenbode c.s.	(72) Kyllingstad, Age
(54) ADHERED ROOFING SYSTEM WITH A THERMOPLASTIC ROOFING MEMBRANE	(31) 506582017	(74) ir. A. Blokland c.s.
(73) Firestone Building Products Company, LLC	(32) 08.08.2017	(47) 30.03.2022
(72) HENEGAR, Jeffrey W. WATKINS, Carl E., Jr. WANG, Hao HUBBARD, Michael J. TIPPMANN, Donna M.	(33) Austria	(51) E21B 19/16
(74) ir. W.J.J.M. Kempes	(47) 16.03.2022	(11) EP3631144
(31) 201461984306 P	(51) E06B 3/663	(21) EP18727569.8
(32) 25.04.2014	(11) EP3265636	(22) 09.05.2018
(33) United States of America	(21) EP16706875.8	(54) SPINNER TOOL WITH FLOATING CARRIAGE DEVICE
(47) 13.04.2022	(22) 29.02.2016	(73) Forum US, Inc.
(51) E04G 21/12	(54) GLASS FIBRE REINFORCED SPACER FOR INSULATING GLAZING, METHOD FOR MANUFACTURING THE SAME AND USE OF SUCH A SPACER IN MULTIPLE GLAZING	(72) VO, Han
(11) EP3342957	(73) SAINT-GOBAIN GLASS FRANCE	(74) mr. ir. J. van Breda c.s.
(21) EP17208826.2	(72) RIGAUD, Martin SCHREIBER, Walter SCHWERDT, Egbert	(31) 201715609266
(22) 20.12.2017	(74) ir. F.A. Geurts c.s.	(32) 31.05.2017
(54) BINDING MACHINE	(31) 15157110	(33) United States of America
(73) Max Co., Ltd.	(32) 02.03.2015	(47) 30.03.2022
(72) Itagaki, Osamu	(33) European Patent Office (EPO)	(51) E21B 47/002
(74) J.M.H. Duyver lic.	(47) 20.04.2022	(11) EP3571378
(31) 2016257448	(51) E06B 9/17	(21) EP18704286.6
(32) 29.12.2016	(11) EP3757342	(22) 19.01.2018
(33) Japan	(21) EP20182154.3	(54) INSPECTION ASSEMBLY LIGHTING SYSTEM
(47) 18.05.2022	(22) 25.06.2020	(73) E.V. Offshore Limited
(51) E04H 3/16	(54) ATTACHMENT LUG FOR POSITIONING A ROLLER SHUTTER TUBE, ROLLER SHUTTER SUPPORT, SUB-ASSEMBLY FOR MOUNTING COMPRISING SUCH A POSITIONING LUG, INSTALLATION COMPRISING A ROLLER SHUTTER AND METHOD FOR MOUNTING A ROLLER SHUTTER	(72) THURSBY, Jonathan PECK, Shaun RUDD, Jonathan Brian
(11) EP3492673	(73) Zurflüh-Feller	(74) ir. F.A. Geurts c.s.
(21) EP18208979.7	(72) BROGLY, Sebastien	(31) 201718632
(22) 28.11.2018	(74) dr. R.C. van Duijvenbode c.s.	(31) 201701002
(54) FIXING DEVICE	(31) 1906947	(32) 10.11.2017
(73) Aquacomet GmbH	(32) 26.06.2019	(33) United Kingdom
(72) Grieger, Dominik	(33) France	(33) United Kingdom
(74) dr. W.A.H.M. Van Borm	(47) 13.04.2022	(47) 30.03.2022
(31) 102017128329	(51) E06B 9/262	(51) F01C 9/00
(32) 29.11.2017	(11) EP3795794	(11) EP3755883
(33) Germany	(21) EP20196677.7	(21) EP19707078.2
(47) 09.03.2022	(22) 17.09.2020	(22) 15.02.2019
(51) E05B 19/02	(54) CONTROL DEVICE FOR A WINDOW BLIND	(54) ROTICULATING THERMODYNAMIC APPARATUS
(11) EP3942127	(73) Chen Tian Co., Ltd.	(73) FETU LIMITED
(21) EP21719868.8	(72) CHENG, Ching-Hsiang	(72) FENTON, Jonathan
(22) 12.04.2021	(74) ir. F.A. Geurts c.s.	(74) ir. W.J.J.M. Kempes
(54) CROSS-SECTIONAL PROFILE FOR A FLAT KEY OR THE KEY CHANNEL OF A CYLINDER LOCK	(31) 108134067	(31) 201803181
(73) EVVA Sicherheitstechnologie GmbH	(32) 20.09.2019	(32) 27.02.2018
(72) RIESEL, Michael OBERLEITNER - LEEB, Florian BAUMHAUER, Walter	(33) Taiwan, Province of China	(33) United Kingdom
(74) ir. W.J.J.M. Kempes	(47) 20.04.2022	(47) 13.04.2022
(31) 504062020	(51) E21B 19/00	(51) F01C 9/00
(32) 12.05.2020	(11) EP3755884	(11) EP3755884
(33) Austria	(21) EP19707079.0	(21) EP19707079.0
(47) 16.03.2022	(22) 15.02.2019	(22) 15.02.2019
(51) E05B 47/06	(54) ROTICULATING THERMODYNAMIC APPARATUS	(54) ROTICULATING THERMODYNAMIC APPARATUS
(11) EP3665346	(73) FETU LIMITED	(73) FETU LIMITED
	(72) FENTON, Jonathan	(72) FENTON, Jonathan
	(74) ir. W.J.J.M. Kempes	(74) ir. W.J.J.M. Kempes
	(31) 201803181	(31) 201803181
	(32) 27.02.2018	(32) 27.02.2018
	(33) United Kingdom	(33) United Kingdom

(47) 13.04.2022	H02K 3/47	12.10.2017
(51) F01N 3/08	(11) EP3489519	04.08.2017
(11) EP3404225	(21) EP17831343.3	(33) Netherlands
(21) EP18175904.4	(22) 19.07.2017	Netherlands
(22) 16.07.2014	(54) FAN MOTOR AND VEHICLE	Netherlands
(54) EXHAUST GAS AFTER-TREATMENT	COMPRISING SAME	(47) 16.03.2022
APPARATUS AND METHOD OF	(73) LG Innotek Co., Ltd.	(51) F16D 9/10
HEATING UP THE APPARATUS	(72) BYEON, Dae Gil	F16L 27/08
(73) MAN Truck & Bus SE	(74) dr. R.C. van Duijvenbode c.s.	(11) EP3828431
(72) Lutz, Florian	(31) 20160092828	(21) EP20202683.7
Rothe, Dieter	(32) 21.07.2016	(22) 20.10.2020
(74) ir. A. Blokland c.s.	(33) Korea (Republic)	(54) ROTARY FEED-THROUGH
(31) 102013018920	(47) 25.05.2022	(73) Christian Maier GmbH & Co. KG
(32) 13.11.2013	(51) F16B 31/02	Maschinenfabrik
(33) Germany	G01L 5/24	(72) Szam, Peter
(47) 30.03.2022	C21D 8/06	(74) drs. A.A. Jilderda
(51) F04B 41/06	B23H 1/00	(31) 102019218288
F04B 23/04	(11) EP3175132	(32) 26.11.2019
F04B 39/12	(21) EP15827228.6	(33) Germany
F04B 37/02	(22) 30.07.2015	(47) 08.06.2022
F04B 37/14	(54) FASTENERS	(51) F16K 17/00
H01J 41/20	(73) Integrity Engineering Solutions Pty Ltd.	F01C 21/10
(11) EP3724503	(72) BROWN, Ian Warren	F04B 53/16
(21) EP18836395.6	(74) dr. W.A.H.M. Van Borm	F04C 14/28
(22) 10.12.2018	(31) 2014902946	F16K 31/00
(54) PRESSURE GRADIENT PUMP	(32) 30.07.2014	F03G 7/06
(73) Edwards Vacuum, LLC	(33) Australia	F04B 53/10
(72) THIERLEY, Marcus Hans Robert	(47) 04.05.2022	(11) EP3403011
DALGETTY, Michael Eric	(51) F16B 37/04	(21) EP17704113.4
LANGEBERG, Joel Craig	F16B 7/18	(22) 13.01.2017
(74) ir. F.A. Geurts c.s.	(11) EP3586018	(54) PUMP WITH THERMOSTATIC RELIEF
(31) 201715837655	(21) EP18707331.7	VALVE
(32) 11.12.2017	(22) 21.02.2018	(73) Standex International Corporation
(33) United States of America	(54) FASTENING DEVICE AND FASTENING	(72) KIMBERLIN, Robert, R.
(47) 04.05.2022	ASSEMBLY	(74) dr. R.C. van Duijvenbode c.s.
(51) F04C 2/107	(73) MÜPRO Services GmbH	(31) 201614995456
(11) EP2920467	(72) EPING, Udo	(32) 14.01.2016
(21) EP13792223.3	ALT, Janosch	(33) United States of America
(22) 06.11.2013	SCHEINBERGER, Marcus	(47) 27.04.2022
(54) METAL STATORS	(74) J.M.H. Duyver lic.	(51) F16L 3/10
(73) Roper Pump Company	(31) 102017103772	F16L 3/23
(72) RIVARD, Zachariah, Paul	(32) 23.02.2017	H02G 3/32
PURCELL, John, Eugene	(33) Germany	F03D 80/80
COGHLAN, Edmond, III	(47) 30.03.2022	F16B 2/10
ANDERSON, Tyson, Bentley	(51) F16C 19/10	F16B 2/18
(74) dr. R.C. van Duijvenbode c.s.	F16C 19/30	F16B 7/04
(31) 201213675668	F16C 21/00	(11) EP3835638
(32) 13.11.2012	F16C 19/54	(21) EP19214909.4
(33) United States of America	F16C 17/26	(22) 10.12.2019
(47) 09.03.2022	F16C 17/10	(54) DEVICE FOR FIXING LINES
(51) F04D 7/04	F16C 33/58	(73) WALTER STAUFFENBERG GMBH &
F04D 29/62	F16C 33/60	CO. KG
(11) EP3589842	F16C 43/00	(72) König, Ulrich Stefan
(21) EP17722502.6	(11) EP3662169	Schulz, Matthäus
(22) 03.03.2017	(21) EP18766375.2	(47) 30.03.2022
(54) CENTRIFUGAL PUMP AND METHOD	(22) 03.08.2018	(51) F16L 11/08
OF ADJUSTING THE DISTANCE	(54) SLEW BEARING, METHOD FOR USING	B32B 1/08
OF THE WEAR PLATE FROM THE	A SLEW BEARING, HOISTING CRANE	B32B 5/12
IMPELLER OF A CENTRIFUGAL PUMP.	AND VESSEL	B32B 27/40
(73) Varisco S.r.L.	(73) Itrec B.V.	B32B 27/36
(72) TITOMANLIO, Antonio	(72) SLOB, Wouter Johannes	B32B 27/30
(74) J.M.H. Duyver lic.	ROODENBURG, Joop	B32B 27/12
(47) 11.05.2022	WETERINGS, Hendrikus Jacobus	B32B 25/16
(51) F04D 25/06	(74) ir. J.C. Volmer c.s.	B32B 25/14
F04D 29/40	(31) 2019761	B32B 25/12
H02K 5/10	2019721	(11) EP3645266
H02K 7/14	2019393	(21) EP18747008.3
	(32) 18.10.2017	(22) 27.06.2018

(54) ULTRA-LIGHTWEIGHT REINFORCED FLEXIBLE HOSE	(51) F23G 7/08	(33) Germany
(73) FITT SPA	F23L 7/00	(47) 23.03.2022
(72) CEGALIN, Alessandro	F23L 17/16	(51) F25B 21/00
VIGOLO, Valentino	(11) EP3394513	G01J 5/34
BATTAGLIA, Luca	(21) EP16826594.0	(11) EP3167236
(74) dr. R.C. van Duijvenbode c.s.	(22) 23.12.2016	(21) EP15754005.5
(31) 201700071472	(54) STAGED STEAM INJECTION SYSTEM	(22) 09.07.2015
(32) 27.06.2017	(73) John Zink Company, LLC	(54) DEVICE AND PROCESS FOR THE PRODUCTION AND TRANSFER OF HEATING AND COOLING POWER
(33) Italy	(72) WHITE, Jeff, William	(73) Colognesi, Ernesto
(47) 20.04.2022	BUSSMAN, Wesley, Ryan	(72) Colognesi, Ernesto
(51) F21K 9/233	FRANKLIN, James, Charles	(74) dr. G. Visser-Luirink
F21S 8/02	KNOTT, Dennis, Lee	(31) MI20141262
F21V 5/02	(74) J.M.H. Duyver lic.	(32) 10.07.2014
F21V 7/00	(31) 201662343362 P	(33) Italy
F21V 7/24	201662343342 P	(47) 09.03.2022
F21V 7/04	201562387147 P	(51) F25B 39/02
F21V 23/00	(32) 31.05.2016	(11) EP3698090
F21V 29/70	31.05.2016	(21) EP18797303.7
F21Y 103/10	23.12.2015	(22) 12.10.2018
F21Y 105/10	(33) United States of America	(54) DISTRIBUTOR, FALL FILM
F21Y 115/10	United States of America	EVAPORATOR AND REFRIGERATION SYSTEM
(11) EP3511614	United States of America	(73) Carrier Corporation
(21) EP17910567.1	(47) 18.05.2022	(72) GUO, Junjie
(22) 17.10.2017	(51) F23N 5/24	(74) J.M.H. Duyver lic.
(54) ILLUMINATING DEVICE	(11) EP3848633	(31) 201710969449
(73) Oppl Lighting Co., Ltd.	(21) EP20151210.0	(32) 18.10.2017
(72) LIU, Chaobo	(22) 10.01.2020	(33) China
(74) J.M.H. Duyver lic.	(54) CIRCUIT WITH PROTECTION AGAINST INTERNAL FAULTS	(47) 18.05.2022
(31) 201720604819 U	(73) Siemens Aktiengesellschaft	(51) F28D 1/02
201710385278	(72) Ball, Tharsice	F28F 9/00
(32) 26.05.2017	Lang, Erik	F24F 1/16
26.05.2017	(74) dr. R.C. van Duijvenbode c.s.	F28D 1/053
(33) China	(47) 16.03.2022	F28D 21/00
China	(51) F24C 7/00	F28D 1/04
(47) 18.05.2022	B05B 7/00	F24F 13/30
(51) F21K 99/00	B05B 7/24	(11) EP3822567
F21V 8/00	B05B 17/06	(21) EP20206035.6
(11) EP3265720	(11) EP3745029	(22) 05.11.2020
(21) EP16707534.0	(21) EP19206106.7	(54) HEAT EXCHANGER ASSEMBLY
(22) 25.02.2016	(22) 30.10.2019	(73) Carrier Corporation
(54) LIGHT BULB	(54) FLAME SIMULATING DEVICE AND SIMULATED FIREPLACE INCLUDING SUCH DEVICE	(72) SOLIS CHAVEZ, Jorge A.
(73) Buster And Punch Limited	(73) Ningbo Richen Electrical Appliance Co., Ltd.	POUYI MAMONA, Fred V.
(72) MINALE, Massimo	(72) ZHOU, Yin	CHRISTENSEN PHILLIPS, Charlie
DULLEY, Iain	(74) ir. W.J.J.M. Kempes	(74) J.M.H. Duyver lic.
(74) dr. A. Krebs	(31) 201920812881 U	(31) 201962934813 P
(31) 201518036	201910470468	(32) 13.11.2019
201503487	(32) 31.05.2019	(33) United States of America
(32) 12.10.2015	31.05.2019	(47) 11.05.2022
02.03.2015	(33) China	(51) F28F 3/10
(33) United Kingdom	China	A61L 2/07
United Kingdom	(47) 06.04.2022	B08B 3/02
(47) 16.03.2022	(51) F24F 7/08	F28C 3/00
(51) F23G 5/027	F24F 11/00	F28C 3/06
F23G 5/20	(11) EP3002525	H01L 23/473
B23K 20/08	(21) EP15002580.7	(11) EP3658837
(11) EP3265722	(22) 02.09.2015	(21) EP18750114.3
(21) EP16712994.9	(54) METHOD FOR OPERATING A VENTILATION SYSTEM AND VENTILATION SYSTEM	(22) 20.07.2018
(22) 04.03.2016	(73) FläktGroup Deutschland GmbH	(54) USE OF A HEAT EXCHANGE BODY AND A FLUID SOURCE AS HEAT EXCHANGER DEVICE.
(54) PYROLYSIS RETORT METHODS AND APPARATUS	(72) Moolenaar, Fokke	(73) FDX Fluid Dynamix GmbH
(73) Standard Gas Limited	(74) ir. A. Blokland c.s.	(72) KRUEGER, Oliver
(72) DONEGAN, Daniel Michael	(31) 102014014107	BOBUSCH, Bernhard
(74) ir. H.J.G. Lips c.s.	(32) 30.09.2014	WINTERING, Jens Hermann
(31) 201503765		(74) ir. H.A. Witmans c.s.
(32) 05.03.2015		
(33) United Kingdom		
(47) 04.05.2022		

(31) 102017212961	DARROUZET, Stephen	G09B 29/10
(32) 27.07.2017	(74) ir. H.A. Witmans c.s.	(11) EP3452785
(33) Germany	(31) 201361835952 P	(21) EP17724763.2
(47) 20.04.2022	(32) 17.06.2013	(22) 28.04.2017
(51) F41G 3/06	(33) United States of America	(54) METHOD AND APPARATUS FOR
G01C 3/08	(47) 13.04.2022	DISAMBIGUATING LOCATION PROBE
F41G 3/12	(51) G01C 21/00	POINTS WITHIN AN AMBIGUOUS
F41G 3/16	G08G 1/0968	PROBE REGION OF A ROAD
G01S 7/48	G08G 1/0969	NETWORK
G01S 17/02	(11) EP3789732	(73) HERE Global B.V.
G01S 17/42	(21) EP20194275.2	(72) DORUM, Ole Henry
F41G 3/04	(22) 03.09.2020	(74) drs. C.M.A. Quintelier
G01S 17/86	(54) METHOD, APPARATUS, AND	(31) 201615144130
(11) EP2956733	COMPUTER PROGRAM	(32) 02.05.2016
(21) EP14752238.7	PRODUCT FOR GENERATING	(33) United States of America
(22) 14.01.2014	CORRESPONDENCE BETWEEN MAP	(47) 30.03.2022
(54) FIREARM AIMING SYSTEM WITH	VERSIONS	(51) G01F 1/58
RANGE FINDER, AND METHOD OF	(73) HERE Global B.V.	G01F 15/02
ACQUIRING A TARGET	(72) Cajias, Raul	G01F 15/18
(73) Smart Shooter Ltd.	ROLF, Daniel	G01R 33/028
(72) EHRLICH, Avshalom	(74) ir. A. Blokland c.s.	H01H 36/00
(74) dr. W.A.H.M. Van Borm	(31) 201916558631	G01R 33/07
(31) 201313769330	(32) 03.09.2019	G01P 15/00
(32) 17.02.2013	(33) United States of America	(11) EP3415875
(33) United States of America	(47) 04.05.2022	(21) EP18174700.7
(47) 09.03.2022	(51) G01C 21/30	(22) 29.05.2018
(51) G01B 5/00	(11) EP3637056	(54) MAGNETIC-INDUCTIVE FLOW
G01D 11/24	(21) EP19201734.1	MEASURING DEVICE AND METHOD
(11) EP3137847	(22) 07.10.2019	FOR OPERATING A MAGNETIC-
(21) EP15721571.6	(54) METHOD AND SYSTEM FOR	INDUCTIVE FLOW MEASURING
(22) 29.04.2015	GENERATING NAVIGATION DATA FOR	DEVICE
(54) INTERFEROMETRIC DISPLACEMENT	A GEOGRAPHICAL LOCATION	(73) Krohne Messtechnik GmbH
SENSOR FOR INTEGRATION	(73) HERE Global B.V.	(72) Brockhaus, Helmut
INTO MACHINE TOOLS AND	(72) Soni, Abhilshit	Florin, Wilhelm
SEMICONDUCTOR LITHOGRAPHY	Pachaar, Akshay	(74) ir. W.J.J.M. Kempes
SYSTEMS	(74) drs. C.M.A. Quintelier	(31) 102017112950
(73) Attocube Systems AG	(31) 201811038113	(32) 13.06.2017
(72) ZECH, Martin	201916425587	(33) Germany
THURNER, Klaus	(32) 08.10.2018	(47) 16.03.2022
(74) dr. R.C. van Duijvenbode c.s.	29.05.2019	(51) G01F 1/58
(31) 102014006305	(33) India	G01F 15/14
(32) 30.04.2014	United States of America	(11) EP3301409
(33) Germany	(47) 25.05.2022	(21) EP17185512.5
(47) 13.04.2022	(51) G01C 21/32	(22) 09.08.2017
(51) G01B 11/06	G08G 1/01	(54) MEASURING TUBE FOR INSERTION
(11) EP3400431	G08G 1/0968	INTO A MAGNETIC-INDUCTIVE FLOW
(21) EP17736209.2	H04W 4/02	METER AND MAGNETIC-INDUCTIVE
(22) 04.01.2017	G08G 1/0967	FLOW METER
(54) OPTICAL METHOD TO MEASURE	G09B 29/10	(73) Krohne AG
THE THICKNESS OF COATINGS	G06T 17/05	(72) PERFTTI, Christine
DEPOSITED ON SUBSTRATES	G08G 1/09	(74) ir. W.J.J.M. Kempes
(73) Arkema, Inc.	(11) EP3443302	(31) 102016118064
(72) MOELLER, Gunter, E.	(21) EP17721061.4	(32) 25.09.2016
(74) dr. R.C. van Duijvenbode c.s.	(22) 13.04.2017	(33) Germany
(31) 201662275905 P	(54) INTERSECTION MAP MESSAGE	(47) 16.03.2022
(32) 07.01.2016	CREATION FOR VEHICLE	(51) G01F 1/58
(33) United States of America	COMMUNICATION	G01F 25/00
(47) 23.03.2022	(73) HERE Global B.V.	(11) EP3775791
(51) G01B 15/04	(72) RADOMY, Samuel	(21) EP19709906.2
G01N 23/04	XU, Jingwei	(22) 07.03.2019
(11) EP3011266	BERNHARDT, Bruce	(54) MAGNETIC-INDUCTIVE FLOW METER
(21) EP14735006.0	(74) ir. A. Blokland c.s.	AND MEASURING UNIT WITH SUCH A
(22) 29.05.2014	(31) 201615097807	MAGNETIC-INDUCTIVE FLOW METER
(54) METHOD AND APPARATUS OF	(32) 13.04.2016	(73) Endress + Hauser Flowtec AG
MEASURING OBJECTS USING	(33) United States of America	(72) MARIAGER, Simon
SELECTIVE IMAGING	(47) 18.05.2022	(74) ir. W.J.J.M. Kempes
(73) Hexagon Metrology, Inc	(51) G01C 21/32	(31) 102018108197
(72) O'HARE, Jonathan J.	G08G 1/01	(32) 06.04.2018

(33) Germany	(47) 16.03.2022	(32) 15.12.2017
(47) 04.05.2022	(51) G01N 1/32	(33) Norway
(51) G01H 1/00	H01J 37/31	(47) 06.04.2022
G01M 13/04	(11) EP2708870	(51) G01N 21/55
(11) EP3283858	(21) EP13191594.4	G01N 21/21
(21) EP16723848.4	(22) 08.04.2011	G01J 3/42
(22) 07.04.2016	(54) Ion beam shield	G01J 3/02
(54) SENSING MODULE FOR MONITORING	(73) Gatan Inc.	G01B 11/06
CONDITIONS OF A PUMP OR PUMP	(72) Hunt, John Andrew	(11) EP2726849
ASSEMBLY	Coyle, Steven Thomas	(21) EP12806995.2
(73) ITT Manufacturing Enterprises LLC	(74) ir. W.J.J.M. Kempes	(22) 12.06.2012
(72) LOYCHIK, Neil	(31) 201113082364	(54) MEASUREMENT OF CRITICAL
SULLIVAN, Jeffrey	322870 P	DIMENSION
KERNAN, Daniel J.	(32) 07.04.2011	(73) KLA-Tencor Corporation
GEORGE, Naveen	11.04.2010	(72) WANG, Haiming
DECOOK, Bradley C.	(33) United States of America	KRISHNAN, Shankar
(74) dr. R.C. van Duijvenbode c.s.	United States of America	(74) ir. W.J.J.M. Kempes
(31) 201514685134	(47) 18.05.2022	(31) 201113174815
(32) 13.04.2015	(51) G01N 15/10	(32) 01.07.2011
(33) United States of America	C12M 1/34	(33) United States of America
(47) 23.03.2022	C12Q 1/00	(47) 01.06.2022
(51) G01M 3/40	C40B 20/02	(51) G01N 22/00
G01M 3/32	C40B 20/04	A61B 5/0507
B65B 9/04	H01J 49/40	(11) EP3358338
B65B 31/02	G01N 33/483	(21) EP16851695.3
B65B 61/02	G01N 1/04	(22) 28.09.2016
G01N 21/90	(11) EP3572788	(54) IMAGING METHOD AND IMAGING
G01N 21/77	(21) EP19163513.5	APPARATUS
G01M 3/22	(22) 22.10.2013	(73) Integral Geometry Science Inc.
B65B 25/00	(54) METHOD FOR INTERROGATING A	National University Corporation Kobe
(11) EP3405765	BIOLOGICAL SAMPLE	University
(21) EP17700570.9	(73) Fluidigm Canada Inc.	(72) KIMURA Noriaki
(22) 19.01.2017	(72) BARANOV, Vladimir	KIMURA Kenjiro
(54) METHOD AND PACKAGING MACHINE	(74) ir. J.D. de Zeeuw	(74) ir. W.J.J.M. Kempes
FOR PRODUCING PACKAGES HAVING	(31) 201261719087 P	(31) 2015192216
A MODIFIED ATMOSPHERE AND	(32) 26.10.2012	(32) 29.09.2015
CORRESPONDING PACKAGE	(33) United States of America	(33) Japan
(73) GEA Food Solutions Germany GmbH	(47) 16.03.2022	(47) 30.03.2022
(72) MÜLLER, Sven	(51) G01N 21/359	(51) G01N 27/02
STEFFEN, Andreas	G01N 21/3577	G01N 33/66
(74) ir. W.J.J.M. Kempes	G01N 21/84	(11) EP3454054
(31) 102016213010	(11) EP2859330	(21) EP18191985.3
102016213009	(21) EP13732648.4	(22) 29.02.2008
102016212574	(22) 07.06.2013	(54) SYSTEM AND METHOD FOR
102016209207	(54) QUANTIFICATION OF LACTIDE	OPERATING AN ELECTROCHEMICAL
102016208441	AMOUNTS IN A POLYMERIC MATRIX	ANALYTE SENSOR
102016204085	(73) Purac Biochem bv	(73) F. Hoffmann-La Roche AG
102016203876	(72) NIESSEN, Jan Arie	(72) Harvey B. Buck, Jr.
102016200749	DE JONG, Vincent	(74) drs. C.M.A. Quintelier
16175264	GOBIUS DU SART, Gerrit	(31) 680963
(32) 15.07.2016	(74) ir. A.R. Aalbers	(32) 01.03.2007
15.07.2016	(31) 1039667	(33) United States of America
11.07.2016	(32) 11.06.2012	(47) 20.04.2022
27.05.2016	(33) Netherlands	(51) G01N 27/20
17.05.2016	(47) 16.03.2022	G01N 17/00
11.03.2016	(51) G01N 21/39	(11) EP3408659
09.03.2016	G01N 21/3504	(21) EP17702925.3
20.01.2016	G01J 3/433	(22) 26.01.2017
20.06.2016	G01J 3/02	(54) CORROSION DETECTION SYSTEM
(33) Germany	(11) EP3724640	AND METHOD
Germany	(21) EP18836934.2	(73) Corrosion Radar Ltd
Germany	(22) 17.12.2018	(72) SHARMA, Prafull
Germany	(54) GAS ANALYZER FOR MEASUREMENT	YEUNG, Hoi
Germany	OF HYDROGEN	(74) J.M.H. Duyver lic.
Germany	(73) Neo Monitors AS	(31) 201601609
Germany	(72) AVETISOV, Viacheslav	(32) 28.01.2016
Germany	(74) ir. W.J.J.M. Kempes	(33) United Kingdom
European Patent Office (EPO)	(31) 20172001	

(47) 11.05.2022	(32) 07.06.2013	(21) EP16741808.6
(51) G01N 27/22	(33) United Kingdom	(22) 15.07.2016
G01R 29/12	(47) 16.03.2022	(54) A MODIFIED HALBACH NMR ARRAY
(11) EP3304063	(51) G01N 33/68	SENSOR FOR ANALYZING CORE
(21) EP16804449.3	A61K 31/00	OR FLUID SAMPLES FROM A
(22) 02.06.2016	A61K 38/18	SUBSURFACE FORMATION
(54) METHOD OF CHARACTERIZING A	(11) EP3688468	(73) Chevron U.S.A. Inc.
SEMICONDUCTOR SAMPLE USING	(21) EP18782012.1	(72) SELTZER, Scott Jeffrey
CONSTANT SURFACE POTENTIAL	(22) 28.09.2018	SUN, Boqin
CORONA CHARGING	(54) INFLAMMATORY BIOMARKERS FOR	WANG, Haijing
(73) Semilab Semiconductor Physics	PREDICTING RESPONSIVENESS TO	(74) dr. R.C. van Duijvenbode c.s.
Laboratory Co. Ltd.	FGF-18 COMPOUND	(31) 201514811906
(72) BUDAY, Csaba	(73) Merck Patent GmbH	(32) 29.07.2015
LAGOWSKI, Jacek	(72) KARSDAL, Morten	(33) United States of America
ALMEIDA, Carlos	BAY-JENSEN, Anne-Christine	(47) 20.04.2022
SAVTCHOUK, Alexandre	GUEHRING, Hans	(51) G01S 5/02
WILSON, Marshall	QVIST, Per	G01S 5/16
(74) ir. W.J.J.M. Kempes	LADEL, Christoph H.	(11) EP3163315
(31) 201514731677	(74) dr. R.C. van Duijvenbode c.s.	(21) EP16194084.6
(32) 05.06.2015	(31) 18169317	(22) 17.10.2016
(33) United States of America	17194169	(54) SYSTEM AND METHOD FOR
(47) 30.03.2022	(32) 25.04.2018	MANAGING INDOOR POSITIONING
(51) G01N 27/62	29.09.2017	DATA
H01J 49/06	(33) European Patent Office (EPO)	(73) Stratacache Limited
(11) EP3329268	European Patent Office (EPO)	(72) Sjölund, Björn
(21) EP16759827.5	(47) 16.03.2022	Nyman, Gabriel
(22) 29.07.2016	(51) G01P 3/489	Jern, Niclas
(54) APPARATUS AND METHODS FOR	G01P 3/486	(74) dr. A. Krebs
ION SEPARATION, ESPECIALLY IMS,	G01P 13/04	(31) 201514926942
USING AN ION SHUTTER	G01D 5/245	(32) 29.10.2015
(73) Smiths Detection-Watford Limited	G01D 5/246	(33) United States of America
(72) PIPER, Lee James	G01D 5/36	(47) 09.03.2022
(74) ir. F.A. Geurts c.s.	G01D 5/347	(51) G01S 13/88
(31) 201513472	(11) EP3653997	H05B 47/115
(32) 30.07.2015	(21) EP17934932.9	G01S 7/35
(33) United Kingdom	(22) 12.12.2017	(11) EP3211451
(47) 06.04.2022	(54) ROTATION PARAMETER DETECTION	(21) EP17160844.1
(51) G01N 30/86	METHOD, ENCODER, LASER RADAR	(22) 09.04.2009
G01N 30/88	AND UNMANNED AERIAL VEHICLE	(54) PASSIVE RADAR FOR PRESENCE
C07K 16/24	(73) SZ DJI Technology Co., Ltd.	AND MOTION DETECTION
G01N 30/89	(72) LIU, Wanqi	(73) Signify Holding B.V.
(11) EP3781943	ZHOU, Changxing	(72) FILIPPI, Alessio
(21) EP19722993.3	LAN, Qiu	VAN BERKEL, Teun Martinus Johannes
(22) 19.04.2019	(74) ir. F.A. Geurts c.s.	PASVEER, Willem Franke
(54) CHROMATOGRAPHY COLUMN	(47) 13.04.2022	SREEDHARAN NAIR, Biju Kumar
QUALIFICATION IN MANUFACTURING	(51) G01R 15/00	(31) 45296
METHODS FOR PRODUCING ANTI-	G01R 33/3873	(32) 16.04.2008
IL12/IL23 ANTIBODY COMPOSITIONS	H01F 41/02	(33) United States of America
(73) Janssen Biotech, Inc.	(11) EP3433624	(47) 30.03.2022
(72) RANDOLPH, Paul	(21) EP17771054.8	(51) G01S 17/08
(74) dr. R.C. van Duijvenbode c.s.	(22) 22.03.2017	G01S 17/89
(31) 201862660340 P	(54) METHODS AND APPARATUS FOR	G06F 3/01
(32) 20.04.2018	MAGNETIC FIELD SHIMMING	G06K 7/10
(33) United States of America	(73) Hyperfine Operations, Inc.	G06K 9/00
(47) 27.04.2022	(72) HUGON, Cedric	G06T 7/00
(51) G01N 33/68	RALSTON, Tyler, S.	H04N 5/225
(11) EP3004893	POOLE, Michael, Stephen	G01S 7/497
(21) EP14733678.8	(74) mr. drs. L. van Wezenbeek	G01S 17/894
(22) 06.06.2014	(31) 201662311821 P	G01S 7/481
(54) METHODS AND COMPOSITIONS	(32) 22.03.2016	(11) EP3519852
RELATING TO NEURODEGENERATIVE	(33) United States of America	(21) EP17857610.4
DISEASES	(47) 04.05.2022	(22) 02.10.2017
(73) Electrophoretics Limited	(51) G01R 33/383	(54) REAL TIME CALIBRATION FOR TIME-
(72) PIKE, Ian Hugo	G01N 24/08	OF-FLIGHT DEPTH MEASUREMENT
WARD, Malcolm Andrew	G01V 3/14	(73) Magic Leap, Inc.
LIANG, Hui-Chung	G01R 33/44	(72) PELLMAN, Assaf
(74) dr. R.C. van Duijvenbode c.s.	G01R 33/3875	TADMOR, Erez
(31) 201310150	(11) EP3329304	MAZOR, Shai

YAHAV, Giora	H01L 23/00	(11) EP3341795
COHEN, David	H01L 27/32	(21) EP16753677.0
(74) ir. W.J.J.M. Kempes	H05K 1/11	(22) 19.08.2016
(31) 201662402770 P	(11) EP3570099	(54) SENSOR ARRANGEMENT FOR
(32) 30.09.2016	(21) EP19173508.3	A LITHOGRAPHY SYSTEM,
(33) United States of America	(22) 09.05.2019	LITHOGRAPHY SYSTEM, AND
(47) 23.03.2022	(54) DISPLAY PANEL AND DISPLAY	METHOD FOR OPERATING A
(51) G02B 1/11	DEVICE INCLUDING THE SAME	LITHOGRAPHY SYSTEM
B32B 27/00	(73) Samsung Display Co., Ltd.	(73) Carl Zeiss SMT GmbH
(11) EP3097441	(72) Lee, Tak-young	(72) HORN, Jan
(21) EP15749155.6	Yoon, Joosun	BIHR, Ulrich
(22) 09.01.2015	Chung, Yun-mo	HOLZ, Markus
(54) LAMINATION TRANSFER FILMS	(74) drs. A.A. Jilderda	(74) ir. W.J.J.M. Kempes
FOR FORMING ANTIREFLECTIVE	(31) 20180055254	(31) 102015216438
STRUCTURES	(32) 15.05.2018	(32) 27.08.2015
(73) 3M Innovative Properties Company	(33) Korea (Republic)	(33) Germany
(72) DAVID, Moses M.	(47) 08.06.2022	(47) 23.03.2022
COLLIER, Terry O.	(51) G02F 1/1362	(51) G03G 15/043
FREE, Michael Benton	G02F 1/1339	G03G 15/00
SCHWARTZ, Evan L.	H01L 27/12	(11) EP3514632
WOLK, Martin B.	G02F 1/1368	(21) EP18213485.8
MEYER, Justin P.	(11) EP3567422	(22) 18.12.2018
BENSON, Olester Jr.	(21) EP17890424.9	(54) IMAGE FORMING APPARATUS
MAZUREK, Mieczyslaw H.	(22) 28.07.2017	(73) Ricoh Company, Ltd.
(31) 201414159253	(54) ARRAY SUBSTRATE AND DISPLAY	(72) OCHI, Terumichi
(32) 20.01.2014	DEVICE	UEMATSU, Yuuichiroh
(33) United States of America	(73) BOE Technology Group Co., Ltd.	KANEKO, Satoshi
(47) 11.05.2022	(72) Li, Pan	HIRAI, Shuji
(51) G02B 6/028	LONG, Chunping	(74) ir. H.A. Witmans c.s.
G02B 6/036	(74) ir. W.J.J.M. Kempes	(31) 2017244976
(11) EP3637161	(31) 201720004109 U	(32) 21.12.2017
(21) EP19199739.4	(32) 03.01.2017	(33) Japan
(22) 26.09.2019	(33) China	(47) 18.05.2022
(54) WEAKLY-COUPLED FEW MODE	(47) 20.04.2022	(51) G03G 15/08
OPTICAL FIBERS FOR MODE	(51) G03B 21/16	(11) EP3712707
DIVISION MULTIPLEXING AND	G03B 21/00	(21) EP20161592.9
CORRESPONDING OPTICAL	H04N 5/74	(22) 06.03.2020
TRANSMISSION SYSTEM	(11) EP3508913	(54) DEVELOPING DEVICE, PROCESS
(73) Draka Comteq France	(21) EP17845827.9	CARTRIDGE, AND IMAGE FORMING
(72) TRINEL, Jean-Baptiste	(22) 14.06.2017	APPARATUS
SILLARD, Pierre	(54) IMAGE PROJECTION DEVICE	(73) Ricoh Company, Ltd.
DE MONTMORILLON, Louis-Anne	(73) Sony Group Corporation	(72) KUBO, Tatsuya
BIGOT, Marianne	(72) OKUDE, Ken	SUGANUMA, Takuya
(74) ir. A. Blokland c.s.	MEGURO, Hiroyuki	(74) ir. H.A. Witmans c.s.
(31) 1859325	(74) ir. W.J.J.M. Kempes	(31) 2019049424
(32) 08.10.2018	(31) 2016168765	(32) 18.03.2019
(33) France	(32) 31.08.2016	(33) Japan
(47) 27.04.2022	(33) Japan	(47) 18.05.2022
(51) G02C 7/10	(47) 18.05.2022	(51) G03G 15/08
G02F 1/133	(51) G03F 7/20	G03G 21/16
G09G 3/36	(11) EP3417346	(11) EP3660590
(11) EP3611558	(21) EP17709822.5	(21) EP19211097.1
(21) EP17920557.0	(22) 15.02.2017	(22) 25.11.2019
(22) 21.11.2017	(54) LITHOGRAPHIC APPARATUS	(54) POWDER CONTAINER, PROCESS
(54) LOW-POWER CONSUMPTION	AND METHOD FOR PREVENTING	CARTRIDGE, AND IMAGE FORMING
AUTOMATIC PHOTSENSITIVE	PERIPHERAL EXPOSURE OF A	APPARATUS
SUNGLASSES	SUBSTRATE	(73) Ricoh Company, Ltd.
(73) Jiangmen Yeebo Semiconductor Co., Ltd.	(73) Kulicke & Soffa Liteq B.V.	(72) SAITO, Osamu
(72) HAN, Huili	(72) VERMEER, Adrianus Johannes Petrus	NIEDA, Hiroaki
LIN, Guoqi	Maria	(74) ir. H.A. Witmans c.s.
WU, Genghao	(74) ir. H.A. Witmans c.s.	(31) 2018221322
LIN, Lieyin	(31) 2016271	(32) 27.11.2018
(74) dr. A. Krebs	(32) 16.02.2016	(33) Japan
(31) 201720961210 U	(33) Netherlands	(47) 18.05.2022
(32) 02.08.2017	(47) 27.04.2022	(51) G03G 15/08
(33) China	(51) G03F 7/20	G03G 21/18
(47) 27.04.2022	G02B 26/08	(11) EP3637190
(51) G02F 1/1345	G01D 5/24	(21) EP19199143.9

(22) 31.03.2017	(21) EP17751803.2	(32) 09.01.2019
(54) DRUM CARTRIDGE AND DEVELOPING CARTRIDGE	(22) 20.07.2017	28.09.2018
(73) BROTHER KOGYO KABUSHIKI KAISHA	(54) METHOD FOR CONFIGURING, CONTROLLING OR MONITORING HOME AUTOMATION EQUIPMENT	(33) United States of America United States of America
(72) ABE, Koji SHIMIZU, Takashi	(73) Overkiz	(47) 27.04.2022
(74) dr. R.C. van Duijvenbode c.s.	(72) POGNANT, Sylvain	(51) G06F 1/3206 G06F 1/3287
(31) 2016249651	(74) dr. R.C. van Duijvenbode c.s.	(11) EP2804075
2016202959	(31) 1656993	(21) EP14166867.3
(32) 22.12.2016	(32) 22.07.2016	(22) 02.05.2014
14.10.2016	(33) France	(54) Controlling power consumption of a processor using interrupt-mediated on-off keying
(33) Japan Japan	(47) 13.04.2022	(73) Intel Corporation
(47) 13.04.2022	(51) G05D 1/02 H02J 7/00	(72) Nasrullah, Jawad Keppel, David
(51) G04B 15/14 G04B 15/08	G05D 1/00 H02J 13/00	(74) ir. W.J.J.M. Kempes
(11) EP3781994	H02J 50/10	(31) 201313894642
(21) EP19720794.7	H02J 50/60	(32) 15.05.2013
(22) 17.04.2019	H02J 50/80	(33) United States of America
(54) REST ANCHOR ESCAPMENT MECHANISM AND TIMEPIECE COMPRISING SUCH AN ESCAPMENT MECHANISM	H02J 50/90	(47) 20.04.2022
(73) Freymond, Eric	(11) EP3610344	(51) G06F 3/01 G06F 3/039
(72) RENAUD, Dominique	(21) EP18818920.3	A63F 13/24 A63F 13/98
(74) J.M.H. Duyver lic.	(22) 14.06.2018	(11) EP3738017
(31) 18167638	(54) MOBILE POWER SUPPLY DEVICE FOR OUTDOOR POWER SUPPLY	(21) EP19705169.1
(32) 17.04.2018	(73) Zhejiang Geely Automobile Research Institute Co., Ltd. Zhejiang Geely Holding Group Co., Ltd.	(22) 13.02.2019
(33) European Patent Office (EPO)	(72) Li, Shufu	(54) DEVICE FOR INCREASING PERFORMANCE, COMFORT AND/OR PREVENTING INJURY OF A USER OF A COMPUTER MOUSE
(47) 23.03.2022	(31) 201710453148	(73) Flashe Gaming Group AB
(51) G04B 15/14 G04B 15/08 G04B 15/06	(32) 15.06.2017	(72) ÖDMARK, Oskar SJÖDIN, Johannes
(11) EP3781993	(33) China	(31) 1851256 1850735 1850153
(21) EP19718355.1	(47) 23.03.2022	(32) 15.10.2018 15.06.2018 13.02.2018
(22) 17.04.2019	(51) G05D 16/00 G05D 16/06 A01K 7/02 B05B 12/08	(33) Sweden Sweden Sweden
(54) FREE DIRECT ESCAPEMENT MECHANISM FOR WATCHES.	(11) EP3743782	(47) 06.04.2022
(73) Freymond, Eric	(21) EP19741140.8	(51) G06F 3/048
(72) RENAUD, Dominique	(22) 22.01.2019	(11) EP2198362
(74) J.M.H. Duyver lic.	(54) PRESSURE REGULATOR AND LIVESTOCK WATERING SYSTEM COMPRISING CORRESPONDING PRESSURE REGULATORS	(21) EP08829660.3
(31) 18195289 18172526 18167638	(73) Valco Industries, Inc.	(22) 28.08.2008
(32) 18.09.2018 16.05.2018 17.04.2018	(72) FOWLER, Amos, Glen RISSER, Philip, E. TRUONG, Daniel, B. SEILHAMER, Malachi, E.	(54) EDITING INTERFACE
(33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)	(74) ir. W.J.J.M. Kempes	(73) Apple Inc.
(47) 23.03.2022	(31) 201862619946 P	(72) ORDING, Bas CHAUDHRI, Imran, A. JOBS, Steven
(51) G04G 3/02 G04G 3/04	(32) 22.01.2018	(74) ir. A.R. Aalbers
(11) EP3502805	(33) United States of America	(31) 849938
(21) EP18215686.9	(47) 18.05.2022	(32) 04.09.2007
(22) 01.06.2012	(51) G06F 1/26 G06F 3/0354	(33) United States of America
(54) CORRECTION OF LOW ACCURACY CLOCK	(11) EP3756066	(47) 01.06.2022
(73) Telefonaktiebolaget LM Ericsson (publ)	(21) EP19744932.5	(51) G06F 3/048 G06F 3/14 G06F 3/041
(72) ELLIS, Andrew	(22) 27.06.2019	(11) EP3657311
(74) ir. A. Blokland c.s.	(54) ELECTRONIC STYLUS WITH RETENTION MECHANISM THAT CHARGES BATTERY FROM COMPUTING DEVICE	(21) EP19209744.2
(31) 201161493023 P	(73) Google LLC	(22) 20.06.2013
(32) 03.06.2011	(72) DE LA FUENTE, Valentin	(54) APPARATUS INCLUDING A TOUCH SCREEN AND SCREEN CHANGE METHOD THEREOF
(33) United States of America	(74) dr. R.C. van Duijvenbode c.s.	
(47) 04.05.2022	(31) 201916243770 201862739128 P	
(51) G05B 23/02 G05B 15/02		
(11) EP3488306		

(73) Samsung Electronics Co., Ltd.	United States of America	Satish, Nadathur Rajagopalan
(72) Seo, Joon-Kyu	United States of America	Chen, Xiaoming
Kang, Kyung-A	United States of America	Akhbari, Farshad
Kim, Hyun-Jin	(47) 04.05.2022	MacPherson, Mike B.
Kwak, Ji-Yeon	(51) G06F 3/0488	Shpeisman, Tatiana
(74) dr. R.C. van Duijvenbode c.s.	G06F 3/0481	(74) ir. W.J.J.M. Kempes
(31) 20120066401	G06F 9/445	(31) 201715494905
(32) 20.06.2012	(11) EP2194452	(32) 24.04.2017
(33) Korea (Republic)	(21) EP09170697.8	(33) United States of America
(47) 13.04.2022	(22) 28.12.2006	(47) 20.04.2022
(51) G06F 3/0484	(54) Portable electronic device with interface	(51) G06F 9/4401
G06T 11/00	reconfiguration mode	G06F 9/445
G06F 3/0482	(73) Apple Inc.	G06F 9/50
G06F 3/0486	(72) Lemay, Stephen O.	G06F 15/78
G06F 3/0488	Chaudhri, Imran	G06F 21/44
H04N 1/00	Ording, Bas	G06F 21/57
G06F 9/451	Forstall, Scott	(11) EP3314416
G06F 1/16	Christie, Greg	(21) EP16814938.3
G06F 3/0481	Anzures, Freddy A.	(22) 24.05.2016
G06F 9/00	Vas Os, Marcel	(54) FIRMWARE BLOCK DISPATCH BASED
(11) EP3268844	(74) ir. A.R. Aalbers	ON FUSES
(21) EP16762356.0	(31) 459602	(73) INTEL Corporation
(22) 08.03.2016	755368 P	(72) GUPTA, Saurabh
(54) SHARING USER-CONFIGURABLE	(32) 24.07.2006	ZIMMER, Vincent J.
GRAPHICAL CONSTRUCTS	30.12.2005	POORNACHANDRAN, Rajesh
(73) Apple Inc.	(33) United States of America	(74) ir. W.J.J.M. Kempes
(72) BLOCK, Eliza	United States of America	(31) 201514748656
CARR, Vera	(47) 25.05.2022	(32) 24.06.2015
LYNCH, Kevin	(51) G06F 3/06	(33) United States of America
AGNOLI, Giovanni, M.	(11) EP3926450	(47) 20.04.2022
GUZMAN, Aurelio	(21) EP20020284.4	(51) G06F 9/451
SALZMAN, Paul, W.	(22) 18.06.2020	G06T 19/00
WILSON, Christopher	(54) DYNAMIC CREATION OF	B60K 35/00
WILSON, Eric, Lance	COMPATIBILITY BETWEEN FILE	(11) EP2951683
(74) ir. A.R. Aalbers	SYSTEMS IN REAL TIME	(21) EP14714599.9
(31) 201562129919 P	(73) Paragon Software GmbH	(22) 23.01.2014
PCT/US2015/053353	(72) Zudin, Aleksandr	(54) METHOD AND APPARATUS FOR
(32) 08.03.2015	Komarov, Konstantin	COMPLEMENTING AN INSTRUMENT
30.09.2015	Zhdanov, Ivan	PANEL BY UTILIZING AUGMENTED
(33) United States of America	(74) ir. W.J.J.M. Kempes	REALITY
World Intellectual Property Office (WIPO)	(47) 11.05.2022	(73) HERE Global B.V.
(47) 18.05.2022	(51) G06F 9/30	(72) TUUKKANEN, Marko Tapio
(51) G06F 3/0488	G06F 9/38	(74) ir. A. Blokland c.s.
G06F 3/0481	G06F 9/46	(31) 201313754308
G06F 3/0484	G06T 1/20	(32) 30.01.2013
(11) EP3561657	G06N 3/063	(33) United States of America
(21) EP19173909.3	G06F 3/14	(47) 27.04.2022
(22) 18.01.2013	G06N 3/04	(51) G06F 9/48
(54) DEVICE, METHOD AND GRAPHICAL	G06N 3/08	(11) EP3260979
USER INTERFACE FOR ACCESSING	G06T 15/00	(21) EP17175939.2
AN APPLICATION IN A LOCKED	G09G 5/36	(22) 14.06.2017
DEVICE	(11) EP3657323	(54) VERIFICATION OF DATA PROCESSES
(73) Apple Inc.	(21) EP19218464.6	IN A NETWORK OF COMPUTING
(72) HUBEL, Paul M.	(22) 02.03.2018	RESOURCES
DELLINGER, Richard R.	(54) COMPUTE OPTIMIZATION	(73) Royal Bank Of Canada
FORSTALL, Scott	MECHANISM	(72) BROWN, James
CHRISTIE, Gregory	(73) Intel Corporation	BAIN, Stephen
CHAUDHRI, Imran	(72) Hurd, Linda L.	PITIO, Walter Michael
(74) ir. A.R. Aalbers	Koker, Altug	IANNACCONE, Philip
(31) 201313744349	Yao, Anbang	(74) dr. A. Ellens c.s.
201313744343	Kim, Dukhwan	(31) 201662349880 P
201261745189 P	Appu, Abhishek R.	(32) 14.06.2016
201261589239 P	Ray, Joydeep	(33) United States of America
(32) 17.01.2013	Srinivasa, Narayan	(47) 09.03.2022
17.01.2013	Chen, Feng	(51) G06F 11/32
21.12.2012	Weast, John C.	G06F 11/30
20.01.2012	Strickland, Michael S.	G06F 16/25
(33) United States of America	Tang, Ping T.	(11) EP3430529

(21) EP17767331.6	FOR SHELVES EQUIPPED WITH	(51) G06F 21/41
(22) 14.03.2017	ELECTRONIC SHELF LABELS	G06F 21/42
(54) INTELLIGENT METADATA	(73) SES-imagotag	(11) EP2820588
MANAGEMENT AND DATA LINEAGE	(72) SCHWARZ, Thomas	(21) EP13711178.7
TRACING	RÖSSL, Andreas	(22) 27.02.2013
(73) ASG Technologies Group, Inc. DBA ASG	ROBIN, François	(54) SECURE SINGLE SIGN-ON
Technologies	GADOU, Thierry	(73) Citrix Systems, Inc.
(72) CSAPO, Gerald	(74) ir. F.A. Geurts c.s.	(72) MOCANU, Virgiliu
SCHYNS, Fabian	(31) 1758650	(74) dr. R.C. van Duijvenbode c.s.
BAENSCH, Karsten	(32) 19.09.2017	(31) 201213407133
TREIBER, Micha	(33) France	(32) 28.02.2012
WIEDEMER, Gunter	(47) 30.03.2022	(33) United States of America
SOMMERWEISS, Uta	(51) G06F 16/84	(47) 20.04.2022
GOMES, Henric	(11) EP3607473	(51) G06F 21/52
RICHTER, Jens-Uwe	(21) EP18727169.7	(11) EP3779745
GRABOWSKY, Lothar	(22) 08.05.2018	(21) EP20188975.5
MORESMAU, JP	(54) METHOD FOR THE COMPUTER-	(22) 24.09.2015
(74) ir. F.A. Geurts c.s.	ASSISTED CREATION OF DIGITAL	(54) CODE POINTER AUTHENTICATION
(31) 201662309297 P	RULES FOR MONITORING THE	FOR HARDWARE FLOW CONTROL
(32) 16.03.2016	TECHNICAL SYSTEM	(73) QUALCOMM Incorporated
(33) United States of America	(73) Siemens Energy Global GmbH & Co. KG	(72) KRISHNASWAMY, Arvind
(47) 04.05.2022	(72) ROSHCHIN, Mikhail	TURNER, Robert
(51) G06F 15/78	MEHDI, Gulnar	ACAR, Can
H01L 23/538	RUNKLER, Thomas	(74) dr. R.C. van Duijvenbode c.s.
G06N 3/063	BRANDT, Sebastian-Philipp	(31) 201414517572
(11) EP3629190	(74) dr. R.C. van Duijvenbode c.s.	(32) 17.10.2014
(21) EP19183474.6	(31) 17171786	(33) United States of America
(22) 28.06.2019	(32) 18.05.2017	(47) 11.05.2022
(54) DYNAMIC DEEP LEARNING	(33) European Patent Office (EPO)	(51) G06F 21/53
PROCESSOR ARCHITECTURE	(47) 30.03.2022	H04L 29/06
(73) Intel Corporation	(51) G06F 21/31	G06Q 20/32
(72) NURVITADHI, Eriko	(11) EP2839401	G06Q 20/38
DASU, Aravind Raghavendra	(21) EP13718550.0	(11) EP3685294
GUTALA, Ravi Prakash	(22) 17.04.2013	(21) EP18743927.8
WEBER, Scott J.	(54) SECURE PASSWORD-BASED	(22) 27.06.2018
(74) ir. W.J.J.M. Kempes	AUTHENTICATION FOR CLOUD	(54) CRYPTLET BINDING KEY GRAPH
(31) 201816146886	COMPUTING SERVICES	(73) Microsoft Technology Licensing, LLC
(32) 28.09.2018	(73) Thales Dis France SAS	(72) GRAY, John Marley
(33) United States of America	(72) LU, HongQian Karen	(74) dr. R.C. van Duijvenbode c.s.
(47) 04.05.2022	(31) 201213448928	(31) 201715709288
(51) G06F 16/00	(32) 17.04.2012	(32) 19.09.2017
G06N 99/00	(33) United States of America	(33) United States of America
G06F 16/22	(47) 23.03.2022	(47) 04.05.2022
(11) EP3678030	(51) G06F 21/32	(51) G06F 21/60
(21) EP18850390.8	G06K 9/00	G06F 21/50
(22) 22.08.2018	G06F 3/048	G06F 21/30
(54) DISTRIBUTED SYSTEM FOR	H04M 1/67	(11) EP3549050
EXECUTING MACHINE LEARNING,	(11) EP3314493	(21) EP17876008.8
AND METHOD THEREFOR	(21) EP16732408.6	(22) 30.11.2017
(73) The Fourth Paradigm (Beijing) Tech Co	(22) 08.06.2016	(54) METHOD AND COMPUTER PRODUCT
Ltd	(54) METHOD AND APPARATUS FOR	AND METHODS FOR GENERATION
(72) CHEN, Yuqiang	ENABLING THE TOUCHSCREEN	AND SELECTION OF ACCESS RULES
YANG, Qiang	DISPLAY OF A MOBILE DEVICE	(73) Visa International Service Association
LIU, Yiming	(73) Qualcomm Incorporated	(72) HU, Hung-Tzaw
DAI, Wenyuan	(72) BARENBOIM, Lior	ZHANG, Rong
SHI, Guangchuan	DAVID, Lior	ZHOU, Haochuan
(74) ir. J.C. Volmer c.s.	DAGAN, Noam	BODING, Benjamin Scott
(31) 201710762586	BANDYOPADHYAY, Saurav	(74) dr. W.A.H.M. Van Borm
(32) 30.08.2017	DENNIS, Ravit	(31) 201615365389
(33) China	DU, Eliza	(32) 30.11.2016
(47) 09.03.2022	(74) dr. R.C. van Duijvenbode c.s.	(33) United States of America
(51) G06F 16/583	(31) 201514854852	(47) 27.04.2022
G06Q 10/08	201562186223 P	(51) G06F 21/84
(11) EP3685327	(32) 15.09.2015	G06F 21/55
(21) EP18766297.8	29.06.2015	(11) EP3350745
(22) 18.09.2018	(33) United States of America	(21) EP16769945.3
(54) CAMERA-IMPLEMENTED ARTICLE	United States of America	(22) 15.09.2016
LAYOUT CONTROL METHOD	(47) 18.05.2022	

(54) MANAGEMENT OF A DISPLAY OF A VIEW OF AN APPLICATION ON A SCREEN OF AN ELECTRONIC DATA INPUT DEVICE, CORRESPONDING METHOD, DEVICE AND COMPUTER PROGRAM PRODUCT	201510991394 201510591079 201510464596 201510284601 201510239402 201510151590	(47) 04.05.2022
(73) Ingenico Group	201510105381	(51) G07C 5/08
(72) KOUDOOUSSI, Hiba GERAUD, Rémi	201510070073 201510048217	(11) EP3084676
(74) ir. W.J.J.M. Kempes	201510039939	(21) EP13899568.3
(31) 1558647	(32) 25.12.2015	(22) 19.12.2013
(32) 15.09.2015	25.12.2015	(54) SECURE VEHICULAR DATA MANAGEMENT WITH ENHANCED PRIVACY
(33) France	16.09.2015	(73) Intel Corporation
(47) 09.03.2022	31.07.2015	(72) SMITH, Ned M. WILLIS, Thomas G. HELDT-SHELLER, Nathan
(51) G06K 17/00	28.05.2015	(74) ir. W.J.J.M. Kempes
G06K 7/10	12.05.2015	(47) 20.04.2022
(11) EP3580696	01.04.2015	(51) G08G 1/00
(21) EP18898004.9	10.03.2015	B60W 30/165
(22) 20.12.2018	10.02.2015	G05D 1/02
(54) BAGGAGE RECORDING SYSTEM	29.01.2015	H04W 4/46
(73) E-BUSINESS SOLUTIONS LIMITED	27.01.2015	(11) EP3614357
(72) LEE, Kam Hing CHAN, Man Cheung YIM, Ngok Hon	(33) China China China China China China China China China China China China	(21) EP18190542.3
(74) dr. R.C. van Duijvenbode c.s.	China	(22) 23.08.2018
(31) 18100121	China	(54) VEHICLES, NETWORK COMPONENT, APPARATUSES, METHODS AND COMPUTER PROGRAMS FOR A VEHICLE, FOR A PLATOONING VEHICLE, AND FOR A NETWORK COMPONENT
(32) 04.01.2018	China	(73) MAN Truck & Bus SE Scania CV AB Volkswagen AG
(33) Hong Kong	China	(72) Buburuzan, Teodor Alieiev, Roman Hehn, Thorsten Zielinski, Ernst Cerwall, Joakim
(47) 27.04.2022	China	(74) ir. W.J.J.M. Kempes
(51) G06Q 50/06	China	(47) 30.03.2022
G01D 4/00	China	(51) G08G 5/00
(11) EP3425585	China	G08B 13/196
(21) EP18181505.1	(47) 06.04.2022	(11) EP3552069
(22) 03.07.2018	(51) G06T 3/40	(21) EP17826038.6
(54) METHOD OF UTILITY USAGE ANALYSIS	(11) EP3726458	(22) 12.12.2017
(73) Centrica Hive Limited	(21) EP20165729.3	(54) DRONE PRE-SURVEILLANCE
(72) WONG, Timothy CODY, Neal	(22) 25.03.2020	(73) Alarm.com Incorporated
(74) ir. F.A. Geurts c.s.	(54) SYSTEM AND A METHOD FOR STITCHING IMAGES USING NON- LINEAR OPTIMIZATION AND MULTI- CONSTRAINT COST FUNCTION MINIMIZATION	(72) TRUNDLE, Stephen Scott KERZNER, Daniel Todd
(31) 201710674	(73) Tata Consultancy Services Limited	(74) ir. W.J.J.M. Kempes
(32) 03.07.2017	(72) MAITY, Soumyadip BHOWMICK, BROJESHWAR SAHA, Arindam	(31) 201662433019 P
(33) United Kingdom	(74) dr. ir. G.J.C. Verdijck c.s.	(32) 12.12.2016
(47) 30.03.2022	(31) 201921015123	(33) United States of America
(51) G06Q 50/30	(32) 15.04.2019	(47) 30.03.2022
H04L 29/08	(33) India	(51) G09G 3/34
H04W 4/02	(47) 16.03.2022	G09G 3/20
(11) EP3252704	(51) G06T 19/20	G02F 1/1675
(21) EP16742766.5	G06T 17/20	G02F 1/167
(22) 27.01.2016	A61B 5/00	(11) EP2997567
(54) INFORMATION PROVIDING METHOD AND SYSTEM FOR ON-DEMAND SERVICE	A61B 5/316	(21) EP14797909.0
(73) BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	(11) EP3333807	(22) 15.05.2014
(72) XU, Ming ZHANG, Yajie LU, Yanjun BAO, Wenyi WU, Zhaoxue ZHUO, Chengxiang CHEN, Ye YU, Peng QIN, Kaijie LU, Haiyang GUO, Dong	(21) EP17205480.1 (22) 05.12.2017 (54) UPDATING AN ELECTROANATOMICAL MAP	(54) DRIVING METHODS FOR COLOR DISPLAY DEVICES
(74) dr. A. Krebs	(73) Biosense Webster (Israel) Ltd	(73) E Ink California, LLC
(31) 201511000093	(72) ILAN, Ido MASSARWI, Fady COHEN, Assaf	(72) LIN, Craig HUNG, Chi-Mao
	(74) dr. R.C. van Duijvenbode c.s.	(74) ir. W.J.J.M. Kempes
	(31) 201615370327	(31) 201361824928 P
	(32) 06.12.2016	(32) 17.05.2013
	(33) United States of America	(33) United States of America

(47) 23.03.2022	PROCESSING STEREO AUDIO SIGNALS USING A VARIABLE PREDICTION DIRECTION	(73) Intel Corporation
(51) G10L 15/20 G10L 21/003 G10L 25/60	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(72) KALAVADE, Pranav SANDA, Hiroyuki PARAT, Krishna K. RAJWADE, Shantanu R. GODA, Akira
(11) EP3618061	(72) RETTELBACH, Nikolaus	(74) ir. W.J.J.M. Kempes
(21) EP19194090.7	HILPERT, Johannes	(31) 201514922611
(22) 28.08.2019	EDLER, Bernd	(32) 26.10.2015
(54) METHOD AND SYSTEM FOR IMPROVING RECOGNITION OF DISORDERED SPEECH	NEUSINGER, Matthias	(33) United States of America
(73) Tata Consultancy Services Limited	DISCH, Sascha	(47) 20.04.2022
(72) VACHHANI, BHAVIKKUMAR BHAGVANBHAI BHAT, CHITRALEKHA GANAPATI KOPPARAPU, SUNILKUMAR	ROBILLIARD, Julien HELMRICH, Christian	(51) G16C 20/50 G16C 20/70
(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. F.A. Geurts c.s.	(11) EP2502173
(31) 201821032635	(31) 323683 P	(21) EP10801225.3
(32) 30.08.2018	(32) 13.04.2010	(22) 22.11.2010
(33) India	(33) United States of America	(54) DESIGN OF MOLECULES
(47) 27.04.2022	(47) 06.04.2022	(73) Exscientia Limited
(51) G10L 19/005 G10L 19/16 H04W 88/18	(51) G10L 19/008 G10L 19/06 H04N 19/50	(72) HOPKINS, Andrew, Lee BESNARD, Jérémy
(11) EP1733331	(11) EP3779978	(74) dr. R.C. van Duijvenbode c.s.
(21) EP04806345.7	(21) EP20199079.3	(31) 0920382
(22) 14.12.2004	(22) 17.02.2011	(32) 20.11.2009
(54) CODEC-ASSISTED CAPACITY ENHANCEMENT OF WIRELESS VOIP	(54) METHOD OF DECODING AN ENCODED STEREO AUDIO SIGNAL USING A VARIABLE PREDICTION DIRECTION	(33) United Kingdom
(73) Nytell Software LLC	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(47) 16.03.2022
(72) GREER, Steven, Craig	(72) Neusinger, Matthias	(51) G16H 50/30
(74) dr. R.C. van Duijvenbode c.s.	Robilliard, Julien	(11) EP3073400
(31) 740863	Disch, Sascha	(21) EP16159371.0
(32) 19.12.2003	Rettelbach, Nikolaus	(22) 09.03.2016
(33) United States of America	Edler, Bernd	(54) SYSTEM AND METHOD FOR DETERMINING PSYCHOLOGICAL STRESS OF A PERSON
(47) 27.04.2022	Helmrich, Christian	(73) Tata Consultancy Services Limited
(51) G10L 19/008	Hilpert, Johannes	(72) JAYARAMAN, Srinivisan PURUSHOTHAMAN, Balamuralidhar
(11) EP3360133	(74) ir. F.A. Geurts c.s.	(74) dr. ir. G.J.C. Verdijck c.s.
(21) EP16778365.3	(31) 32368310 P	(31) 1003MU2015
(22) 07.10.2016	(32) 13.04.2010	(32) 25.03.2015
(54) LAYERED HOA CODING FOR COMPRESSED SOUND OR SOUND FIELD REPRESENTATIONS	(33) United States of America	(33) India
(73) Dolby International AB	(47) 06.04.2022	(47) 04.05.2022
(72) KRUEGER, Alexander KORDON, Sven	(51) G11C 13/00 G11C 8/06 G11C 16/08 G11C 16/34	(51) G21F 1/10 G21F 1/12 G21F 5/00 G21F 5/12 G21F 9/30 G21F 9/36 B65D 85/00
(74) J.M.H. Duyver lic.	(11) EP3503109	(11) EP3360141
(31) 201662361416 P 201662361461 P 15306653 15306589	(21) EP18214236.4	(21) EP16852906.3
(32) 12.07.2016 12.07.2016 15.10.2015 08.10.2015	(22) 09.08.2016	(22) 07.10.2016
(33) United States of America United States of America European Patent Office (EPO) European Patent Office (EPO)	(54) CROSS POINT MEMORY CONTROL	(54) CONTAINER ENCAPSULATING RADIOACTIVE AND/OR HAZARDOUS WASTE
(47) 27.04.2022	(73) INTEL Corporation	(73) Hazprotect Pty Ltd
(51) G10L 19/008 G10L 19/04 G10L 19/18 G10L 19/02	(72) GULIANI, Sandeep K. TAUB, Mase J. PANGAL, Kiran ZENG, Raymond W.	(72) MOHARRER, Mohammad Ali Sanagooy
(11) EP2559027	(74) ir. W.J.J.M. Kempes	(74) J.M.H. Duyver lic.
(21) EP11705853.7	(31) 201514853246	(31) 2015904116
(22) 17.02.2011	(32) 14.09.2015	(32) 09.10.2015
(54) AUDIO ENCODER, AUDIO DECODER AND RELATED METHODS FOR	(33) United States of America	(33) Australia
	(47) 04.05.2022	(47) 09.03.2022
	(51) G11C 16/14 G11C 16/04 G11C 16/16 G11C 16/08 G11C 16/34	(51) H01F 27/00 (11) EP3711074 (21) EP18702118.3 (22) 15.01.2018
	(11) EP3369094	(54) TRANSPORTABLE POWER TRANSFORMER UNIT
	(21) EP16860454.4	(73) Siemens Energy Global GmbH & Co. KG
	(22) 19.09.2016	(72) ETTL, Christian
	(54) SEGMENTED ERASE IN MEMORY	

(74) dr. R.C. van Duijvenbode c.s. (47) 30.03.2022	(22) 20.02.2020 (54) ELECTRONIC DEVICE AND MANUFACTURING METHOD OF ELECTRONIC DEVICE	(33) China (47) 11.05.2022
(51) H01L 23/373 H01L 23/42 H05K 7/20 C08L 83/04 C08K 3/40 C08K 3/38 C08G 77/04 C09D 183/04	(73) Samsung Display Co., Ltd. (72) SHIN, JaeMin HONG, Jongho YOON, Jangyeol	(51) H01M 4/525 H01M 10/0525 H01M 10/0567 H01M 10/42 H01M 4/36 H01M 4/38 H01M 4/485 H01M 4/587
(11) EP3761355 (21) EP19757161.5 (22) 25.02.2019	(74) ir. H.A. Witmans c.s. (31) 20190023758 (32) 28.02.2019 (33) Korea (Republic) (47) 08.06.2022	(11) EP3783723 (21) EP19894749.1 (22) 13.12.2019
(54) INSULATING HEAT DISSIPATION SHEET	(51) H01L 39/14 H01L 39/24 C22C 32/00	(54) LITHIUM-ION BATTERY AND APPARATUS
(73) Denka Company Limited (72) YAMAGATA, Toshitaka KANEKO, Masahide WADA, Kosuke	(11) EP3625833 (21) EP18737410.3 (22) 19.05.2018	(73) Contemporary Ampere Technology Co., Limited (72) JIANG, Yao HU, Chunhua LIANG, Chengdu YI, Tiancheng DOU, Shushi
(74) dr. R.C. van Duijvenbode c.s. (31) 2018031855 (32) 26.02.2018 (33) Japan (47) 27.04.2022	(54) SUPERCONDUCTOR WIRE BASED ON MGB2 CORE WITH AL BASED SHEATH AND METHOD OF ITS PRODUCTION	(74) J.M.H. Duyver lic. (31) 201811535392 (32) 14.12.2018 (33) China (47) 18.05.2022
(51) H01L 23/552 H01L 23/522 G06F 1/10	(73) Ústav Materiálov A Mechaniky Strojov SAV Elektrotechnicky Ústav Sav	(51) H01Q 7/00 B63B 22/00 B63G 8/38 B63G 8/39 H01Q 1/34
(11) EP3586361 (21) EP18777153.0 (22) 23.03.2018	(72) KRIZIK, Peter ROSOVÁ, Alica KOPERA, Lubomír HUSEK, Imrich KOVÁČ, Pavol BALOG, Martin	(11) EP2364908 (21) EP11000683.0 (22) 28.01.2011 (54) Buoy trailing antenna (73) thyssenkrupp Marine Systems GmbH (72) Müller, Hans-Werner (74) dr. R.C. van Duijvenbode c.s. (31) 102010010601 (32) 08.03.2010 (33) Germany (47) 30.03.2022
(54) SHIELD STRUCTURE FOR A LOW CROSSTALK SINGLE ENDED CLOCK DISTRIBUTION CIRCUIT	(74) ir. W.J.J.M. Kempes (31) 500372017 (32) 19.05.2017 (33) Slovakia (47) 18.05.2022	(51) H01Q 7/00 B63B 22/00 B63G 8/38 B63G 8/39 H01Q 1/34
(73) Huawei Technologies Co., Ltd. (72) XIANG, Zhonggui PETROV, Dmitry	(51) H01L 51/52 (11) EP3641001 (21) EP19216192.5 (22) 28.05.2014	(54) Buoy trailing antenna (73) thyssenkrupp Marine Systems GmbH (72) Müller, Hans-Werner (74) dr. R.C. van Duijvenbode c.s. (31) 102010010601 (32) 08.03.2010 (33) Germany (47) 30.03.2022
(74) ir. W.J.J.M. Kempes (31) 201715476463 (32) 31.03.2017 (33) United States of America (47) 25.05.2022	(54) ORGANIC LIGHT EMITTING DIODE STRUCTURE	(51) H01S 5/068 H01S 5/042 H05B 45/32 H05B 45/345 G05F 1/10
(51) H01L 25/065 H01L 25/16 H01L 23/48 H01L 23/522 H01L 23/00 H01L 23/64 H01L 25/18 H01L 49/02	(73) Lomox Limited (72) COPNER, Nigel Joseph (74) dr. R.C. van Duijvenbode c.s. (31) 201309601 (32) 29.05.2013 (33) United Kingdom (47) 09.03.2022	(11) EP3400636 (21) EP17717069.3 (22) 04.01.2017 (54) CIRCUIT AND METHOD FOR CONTROLLING AND MEASURING A CURRENT IN A CHARGE ELEMENT
(11) EP3238250 (21) EP14891616.6 (22) 24.12.2014	(51) H01M 4/525 H01M 10/0525 H01M 10/0567 H01M 10/42	(73) Silicon Line GmbH (72) BELLINGRATH, Thomas (31) 16150111 (32) 04.01.2016 (33) European Patent Office (EPO) (47) 09.03.2022
(54) INTEGRATED PASSIVE COMPONENTS IN A STACKED INTEGRATED CIRCUIT PACKAGE	(11) EP3783718 (21) EP19894843.2 (22) 13.12.2019	(51) H02J 7/00 H02J 9/00
(73) Intel Corporation (72) GARDNER, Donald RUSU, Stefan	(54) LITHIUM-ION BATTERY AND APPARATUS	(11) EP3138181 (21) EP16765785.7 (22) 17.03.2016
(74) ir. W.J.J.M. Kempes (47) 04.05.2022	(73) Contemporary Ampere Technology Co., Limited	(54) POWER OVER ETHERNET EMERGENCY LIGHTING SYSTEM
(51) H01L 25/16 H01L 21/683 H01L 33/36 H01L 33/54 H01L 33/64 H01L 33/62	(72) HU, Chunhua JIANG, Yao DOU, Shushi LIANG, Chengdu YI, Tiancheng	(73) ABL IP Holding LLC
(11) EP3703127 (21) EP20158479.4	(74) J.M.H. Duyver lic. (31) 201811535449 (32) 14.12.2018	

(72) CRENSHAW, David	(74) dr. R.C. van Duijvenbode c.s.	HU, Feiran
(74) dr. A. Krebs	(31) 507802017	HU, Shunan
(31) 201562135006 P	(32) 18.09.2017	(74) dr. R.C. van Duijvenbode c.s.
(32) 18.03.2015	(33) Austria	(47) 04.05.2022
(33) United States of America	(47) 27.04.2022	(51) H02P 29/50
(47) 23.03.2022	(51) H02K 21/04	H02J 3/38
(51) H02J 9/06	H02K 29/06	H02M 1/12
H02J 3/38	H02K 1/22	H02P 21/22
H02J 7/34	(11) EP2675050	(11) EP3696969
H02J 3/46	(21) EP13171512.0	(21) EP19156889.8
(11) EP3625870	(22) 11.06.2013	(22) 13.02.2019
(21) EP18723021.4	(54) Switched type DC electrical machine	(54) HARMONIC CONTROL OF A
(22) 16.05.2018	having auxiliary excitation winding,	CONVERTER
(54) VIRTUALIZATION OF POWER	conduction rings and brushes	(73) Siemens Gamesa Renewable Energy A/
FOR DATA CENTERS, TELECOM	(73) Yang, Tai-Her	S
ENVIRONMENTS AND EQUIVALENT	(72) Yang, Tai-Her	(72) Wu, Zhan-Yuan
INFRASTRUCTURES	(74) dr. R.C. van Duijvenbode c.s.	Freire, Nuno Miguel Amaral
(73) CE+T Power Luxembourg SA	(31) 201313837110	(74) dr. R.C. van Duijvenbode c.s.
(72) BLEUS, Paul	201213493126	(47) 13.04.2022
JOANNES, Thierry	(32) 15.03.2013	(51) H03F 1/32
MILSTEIN, François	11.06.2012	H03F 3/24
RIXHON, Daniel	(33) United States of America	H04L 27/36
(74) ir. W.J.J.M. Kempes	United States of America	H04B 1/04
(31) 201762508150 P	(47) 06.04.2022	(11) EP3568912
17194559	(51) H02M 3/156	(21) EP18702568.9
(32) 18.05.2017	(11) EP3780369	(22) 12.01.2018
03.10.2017	(21) EP20186604.3	(54) INTRINSICALLY LINEAR, DIGITAL
(33) United States of America	(22) 16.08.2013	POWER AMPLIFIER EMPLOYING
European Patent Office (EPO)	(54) A BUCK CONVERTER WITH A	NONLINEARLY-SIZED RF-DAC,
(47) 20.04.2022	CURRENT-MODE REGULATOR	MULTIPHASE DRIVER, AND
(51) H02K 1/14	(73) Telefonaktiebolaget LM Ericsson (publ)	OVERDRIVE VOLTAGE CONTROL
H02K 1/18	(72) LABBE, Benoit	(73) Technische Universiteit Delft
H02K 21/24	(74) dr. R.C. van Duijvenbode c.s.	(72) HASHEMI MSC., Mohsen
(11) EP3745559	(31) 201313935630	DE VREEDE, Leonardus Cornelis
(21) EP19176802.7	201261684225 P	Nicolaas
(22) 27.05.2019	(32) 05.07.2013	(74) dr. R.C. van Duijvenbode c.s.
(54) STATOR FOR AN AXIAL FLUX	17.08.2012	(31) 2018166
MACHINE	(33) United States of America	(32) 13.01.2017
(73) MAGNAX BV	United States of America	(33) Netherlands
(72) Leijnen, Peter	(47) 04.05.2022	(47) 09.03.2022
(74) dr. E.M.F. Eulaers	(51) H02M 7/06	(51) H03F 3/30
(47) 09.03.2022	H01Q 1/22	H03F 1/02
(51) H02K 1/27	H01Q 1/24	H03F 3/45
B66B 1/24	H01L 29/06	(11) EP3544180
H02K 1/16	(11) EP3721544	(21) EP19163017.7
(11) EP2553793	(21) EP18830963.7	(22) 15.03.2019
(21) EP11762077.3	(22) 04.12.2018	(54) TRANSCONDUCTANCE
(22) 30.03.2011	(54) CONVERTER FOR CONVERTING	AMPLIFIER WITH NONLINEAR
(54) ELECTRIC MOTOR, HOISTING	AN ELECTROMAGNETIC WAVE IN A	TRANSCONDUCTANCE AND LOW
MACHINE AND ELEVATOR SYSTEM	CONTINUOUS ELECTRIC CURRENT	QUIESCENT CURRENT
(73) Kone Corporation	(73) GREEN ARISE LTD	(73) Analog Devices International Unlimited
(72) TENHUNEN, Asmo	(72) Pasquali, Cesare Maria Mose	Company
HUPPUNEN, Jussi	(74) J.M.H. Duyver lic.	(72) BARCELO, Trevor Wayne
(74) ir. A. Blokland c.s.	(31) 201700139615	HEATH, Jeffrey Lynn
(31) 20105339	(32) 04.12.2017	(74) drs. A.A. Jilderda
(32) 31.03.2010	(33) Italy	(31) 201815928791
(33) Finland	(47) 23.03.2022	(32) 22.03.2018
(47) 04.05.2022	(51) H02P 25/032	(33) United States of America
(51) H02K 5/136	H02K 33/16	(47) 01.06.2022
G01N 33/00	(11) EP3618267	(51) H03K 17/96
(11) EP3685494	(21) EP17907358.0	(11) EP3127240
(21) EP18762844.1	(22) 24.04.2017	(21) EP15710903.4
(22) 04.09.2018	(54) CONTROL METHOD FOR	(22) 09.02.2015
(54) METHOD AND APPARATUS FOR	OSCILLATING MOTOR AND	(54) METHODS FOR INITIATING STATE
PROTECTING COMPONENTS IN A	OSCILLATING MOTOR	MACHINES IN RESPONSE TO TOUCH
HOUSING	(73) Hu, Jiankun	EVENTS DETECTED AT HOME
(73) Taurob GmbH	(72) HU, Feifan	APPLIANCES
(72) SILBERBAUER, Lukas-Sebastian	HU, Jiankun	(73) Signify Holding B.V.

(72) ALIAKSEYEU, Dzmityr Viktorovich DEKKER, Tim LASHINA, Tatiana Aleksandrovna VAN DE SLUIS, Bartel Marinus ENGELEN, Dirk Valentinus René NEWTON, Philip Steven	ENGELEN, Dirk, Valentinus, René EREN, Mustafa, Tolga	YEO, Jeongho SHIN, Cheolkyu CHOI, Seunghoon KWAK, Youngwoo OH, Jinyoung
(31) 201461974018 P (32) 02.04.2014 (33) United States of America (47) 04.05.2022	(31) 18201236 (32) 18.10.2018 (33) European Patent Office (EPO) (47) 08.06.2022	(74) dr. R.C. van Duijvenbode c.s. (31) 20170018901 (32) 10.02.2017 (33) Korea (Republic) (47) 18.05.2022
(51) H03M 13/00 H04L 1/00 (11) EP3782288 (21) EP19729669.2 (22) 31.05.2019 (54) METHOD AND SYSTEM FOR FAULT-CORRECTING TRANSFER OF A DATASET VIA A UNIDIRECTIONAL COMMUNICATION UNIT	(51) H04B 17/00 H04B 7/04 (11) EP3190728 (21) EP17159062.3 (22) 17.09.2012 (54) CONFIGURATION SUB-SYSTEM FOR TELECOMMUNICATION SYSTEMS	(51) H04J 11/00 H04W 72/04 H04L 5/00 (11) EP2893661 (21) EP13835405.5 (22) 09.09.2013 (54) MULTIPLEXING RESOURCE ELEMENT GROUPS FOR CONTROL CHANNEL ELEMENTS OF CONTROL CHANNELS
(73) Siemens Mobility GmbH (72) WIMMER, Martin GASIBA, Tiago SEIFERT, Matthias	(73) Andrew Wireless Systems GmbH (72) HMIMY, Ahmed H. MELESTER, Matthew Thomas DUSSMANN, Alfons EISENWINTER, Stefan STEFANIK, Joerg MINI, Massimiliano	(73) Samsung Electronics Co., Ltd. (72) PAPASAKELLARIOU, Aris HAN, Jin-Kyu JI, Hyoung-Ju
(74) dr. R.C. van Duijvenbode c.s. (31) 102018208962 (32) 06.06.2018 (33) Germany (47) 23.03.2022	(74) ir. J.D. de Zeeuw (31) 201161535060 P (32) 15.09.2011 (33) United States of America (47) 09.03.2022	(74) dr. R.C. van Duijvenbode c.s. (31) 201261721247 P 201261717933 P 201261697907 P (32) 01.11.2012 24.10.2012 07.09.2012 (33) United States of America United States of America United States of America (47) 11.05.2022
(51) H04B 1/00 (11) EP3706324 (21) EP20156853.2 (22) 16.06.2006 (54) NEGOTIATED CHANNEL INFORMATION REPORTING IN A WIRELESS COMMUNICATION SYSTEM	(51) H04H 20/93 (11) EP3432492 (21) EP18190853.4 (22) 23.04.2012 (54) BROADCAST SIGNAL RECEIVER AND METHOD FOR PROVIDING BROADCAST SIGNAL RELATION INFORMATION	(31) 201261717933 P 201261697907 P (32) 01.11.2012 24.10.2012 07.09.2012 (33) United States of America United States of America United States of America (47) 11.05.2022
(73) QUALCOMM Incorporated (72) JULIAN, David Jonathan SAMPATH, Hemanth	(73) Samsung Electronics Co., Ltd. (72) PARK, Tae-Suh	(51) H04L 1/00 H03M 13/13 (11) EP3584937 (21) EP18837591.9 (22) 26.06.2018 (54) POLAR CODE ENCODING METHOD AND APPARATUS
(74) dr. R.C. van Duijvenbode c.s. (31) 691704 P (32) 16.06.2005 (33) United States of America (47) 18.05.2022	(31) 20110079555 (32) 10.08.2011 (33) Korea (Republic) (47) 16.03.2022	(73) Huawei Technologies Co., Ltd. (72) LI, Rong WANG, Jian HUANGFU, Yourui WANG, Jun QIAO, Yunfei
(51) H04B 7/185 (11) EP3550737 (21) EP17888157.9 (22) 27.12.2017 (54) AIR-TO-GROUND COMMUNICATION SYSTEM, METHOD, AND DEVICE	(51) H04J 3/06 H04W 88/08 (11) EP3371902 (21) EP15798223.2 (22) 02.11.2015 (54) TECHNIQUE TO ALIGN A RADIO INTERFACE FRAME TIMING REFERENCE IN A POOL OF RADIO EQUIPMENT CONTROLLERS	(74) ir. W.J.J.M. Kempes (31) 201710632016 (32) 28.07.2017 (33) China (47) 25.05.2022
(73) Huawei Technologies Co., Ltd. (72) LIU, Yongjun WANG, Kaiyao	(73) Telefonaktiebolaget LM Ericsson (publ) (72) GRIFFIOEN, Robert (74) ir. A. Blokland c.s. (47) 04.05.2022	(51) H04L 1/00 H04L 1/16 H04L 1/18 (11) EP3637656 (21) EP19212586.2 (22) 01.04.2004 (54) INTERFERENCE LIMITATION FOR RETRANSMISSIONS
(74) dr. W.A.H.M. Van Borm (31) 201611265870 (32) 30.12.2016 (33) China (47) 11.05.2022	(51) H04J 11/00 H04W 56/00 H04W 74/08 (11) EP3579464 (21) EP18751091.2 (22) 18.01.2018 (54) METHOD AND DEVICE FOR EXECUTING RANDOM ACCESS IN WIRELESS CELLULAR COMMUNICATION SYSTEM	(73) Optis Wireless Technology, LLC (72) LÖHR, Joachim SEIDEL, Eiko PETROVIC, Dragan
(51) H04B 10/116 H05B 47/155 (11) EP3868181 (21) EP19779926.5 (22) 07.10.2019 (54) DETERMINING LIGHT SETTINGS AND/OR DAYLIGHT BLOCKER SETTINGS BASED ON DATA SIGNAL QUALITY	(73) Samsung Electronics Co., Ltd. (72) KIM, Younsun KIM, Taehyoung NOH, Hoonjong KIM, Youngbum	(74) ir. H.A. Witmans c.s. (47) 08.06.2022
(73) Signify Holding B.V. (72) VAN DE SLUIS, Bartel, Marinus ALIAKSEYEU, Dzmityr, Viktorovich		(51) H04L 1/00 H04L 1/18

(11) EP3175567	ZHANG, Xiaoxia	(31) 75257210
(21) EP15750195.8	(74) dr. R.C. van Duijvenbode c.s.	(32) 01.04.2010
(22) 27.07.2015	(31) 201816030684	(33) United States of America
(54) SYSTEM AND METHOD OF REDUNDANCY BASED PACKET TRANSMISSION ERROR RECOVERY	201762531444 P	(47) 04.05.2022
(73) Qualcomm Incorporated	(32) 09.07.2018	(51) H04L 5/00
(72) SARKAR, Sandip	12.07.2017	H04L 27/26
KRISHNAN, Venkatesh	(33) United States of America	(11) EP3533271
SUBASINGHA, Subasingha Shaminda	United States of America	(21) EP17713483.0
ATTI, Venkatraman S.	(47) 18.05.2022	(22) 08.03.2017
RAJENDRAN, Vivek	(51) H04L 5/00	(54) CONFIGURATION OF TRANSMISSION ORDER OF UPLINK DATA
(74) dr. R.C. van Duijvenbode c.s.	(11) EP3455992	(73) Telefonaktiebolaget LM Ericsson (PUBL)
(31) 201514809085	(21) EP17727745.6	(72) RONKAINEN, Henrik
201462031675 P	(22) 15.05.2017	ÖSTBERG, Christer
(32) 24.07.2015	(54) MECHANISMS FOR REDUCED DENSITY CSI-RS	ROXBERGH, Jan
31.07.2014	(73) Telefonaktiebolaget LM Ericsson (publ)	ÖSTERLING, Jacob
(33) United States of America	(72) FRENNE, Mattias	(74) ir. A. Blokland c.s.
United States of America	HARRISON, Robert Mark	(31) PCT/SE2016/051035
(47) 18.05.2022	GRANT, Stephen	(32) 25.10.2016
(51) H04L 1/00	MURUGANATHAN, Siva	(33) World Intellectual Property Office (WIPO)
H04L 5/00	GAO, Shiwei	(47) 04.05.2022
(11) EP3741063	(74) ir. A. Blokland c.s.	(51) H04L 5/00
(21) EP19704729.3	(31) 201662335989 P	H04L 27/26
(22) 18.01.2019	(32) 13.05.2016	H04W 28/16
(54) BETA OFFSET MANAGEMENT FOR URLLC UCI	(33) United States of America	(11) EP2377284
(73) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	(47) 13.04.2022	(21) EP10731372.8
(72) WIKSTRÖM, Gustav	(51) H04L 5/00	(22) 13.01.2010
BALDEMAIR, Robert	H04B 7/06	(54) METHOD AND APPARATUS FOR TRANSMITTING UPLINK CONTROL INFORMATION IN MULTI-CARRIER WIRELESS COMMUNICATION SYSTEM
LI, Shaohua	H04J 11/00	(73) Samsung Electronics Co., Ltd.
(74) ir. A. Blokland c.s.	H04W 72/00	(72) HEO, Yoon Hyoung
(31) 201862619485 P	H04W 52/00	HAN, Jin Kyu
(32) 19.01.2018	H04W 84/12	ZHANG, Jianzhong
(33) United States of America	H04W 92/10	CHO, Joon Young
(47) 13.04.2022	H04W 72/04	KHAN, Farooq
(51) H04L 1/00	H04W 72/08	LEE, Ju Ho
H04L 5/00	H04W 74/08	(74) dr. R.C. van Duijvenbode c.s.
H04L 25/02	(11) EP3358776	(31) 20090002808
(11) EP3641175	(21) EP16856617.2	(32) 13.01.2009
(21) EP18818251.3	(22) 01.06.2016	(33) Korea (Republic)
(22) 11.06.2018	(54) METHOD AND DEVICE FOR TRANSMITTING DATA	(47) 11.05.2022
(54) INFORMATION SENDING METHOD, INFORMATION RECEIVING METHOD, NETWORK SIDE DEVICE, AND TERMINAL DEVICE	(73) Huawei Technologies Co., Ltd.	(51) H04L 5/00
(73) Vivo Mobile Communication Co., Ltd.	(72) LUO, Jun	H04W 72/04
(72) DING, Yu	LIN, Yingpei	(11) EP3767870
WU, Kai	ZHU, Jun	(21) EP20195923.6
PAN, Xueming	PANG, Jiyong	(22) 01.08.2013
SHEN, Xiaodong	(74) dr. W.A.H.M. Van Borm	(54) UPLINK CONTROL CHANNEL RESOURCE ALLOCATION FOR AN ENHANCED DOWNLINK CONTROL CHANNEL OF A MOBILE COMMUNICATION SYSTEM
(74) J.M.H. Duyver lic.	(31) 201510680806	(73) BlackBerry Limited
(31) 201710459270	(32) 20.10.2015	(72) GAO, Shiwei
(32) 16.06.2017	(33) China	HARRISON, Robert Mark
(33) China	(47) 11.05.2022	BLANKENSHIP, Yufei Wu
(47) 11.05.2022	(51) H04L 5/00	(74) ir. W.J.J.M. Kempes
(51) H04L 1/16	H04L 1/00	(31) 201361753731 P
H04L 1/18	H04W 72/10	201261679037 P
(11) EP3793115	H04W 72/04	(32) 17.01.2013
(21) EP20206310.3	H04W 72/08	02.08.2012
(22) 10.07.2018	(11) EP3840280	(33) United States of America
(54) CODE BLOCK GROUP FEEDBACK TECHNIQUES FOR MULTIPLE CARRIERS OR TRANSMISSION TIME INTERVALS	(21) EP21156492.7	United States of America
(73) QUALCOMM Incorporated	(22) 31.03.2011	(47) 20.04.2022
(72) SUN, Jing	(54) PERIODIC CHANNEL STATE INFORMATION SIGNALING WITH CARRIER AGGREGATION	(51) H04L 5/00
	(73) Wireless Future Technologies Inc.	H04W 72/14
	(72) HOOLI, Kari Juhani	(11) EP3530051
	PAJUKOSKI, Kari Pekka	
	TIROLA, Esa Tapani	
	LUNTTILA, Timo Erkki	
	(74) dr. R.C. van Duijvenbode c.s.	

(21) EP19700764.4	(74) ir. A. Blokland c.s.	(21) EP20729610.4
(22) 07.01.2019	(31) 201562255280 P	(22) 11.03.2020
(54) METHODS AND DEVICES FOR CONTROL OF BANDWIDTH PART SWITCHING	(32) 13.11.2015	(54) ELECTRONIC APPARATUS INCLUDING FOLDABLE CONDUCTIVE PLATE
(73) Telefonaktiebolaget LM Ericsson (publ)	(33) United States of America	(73) Samsung Electronics Co., Ltd.
(72) PRADAS, Jose Luis	(47) 11.05.2022	(72) YEOM, Donghyun
LIU, Jinhua	(51) H04L 29/06	YOO, Chungkeun
HOFSTROM, Bjorn	H04W 84/18	KIM, Harksang
ENBUSKE, Henrik	H04W 4/38	AHN, Sungho
(74) ir. A. Blokland c.s.	H04W 28/06	KIM, Seonghoon
(31) PCT/CN2018/072302	H04L 29/12	(74) dr. R.C. van Duijvenbode c.s.
(32) 11.01.2018	H04W 12/04	(31) 20190070106
(33) World Intellectual Property Office (WIPO)	(11) EP3541040	20190027753
(47) 13.04.2022	(21) EP18305301.6	(32) 13.06.2019
(51) H04L 12/28	(22) 16.03.2018	11.03.2019
H04L 12/24	(54) METHOD AND APPARATUS FOR PROCESSING MESSAGE DATA	(33) Korea (Republic)
(11) EP3811573	(73) ACKLIO	Korea (Republic)
(21) EP19742449.2	(72) MINABURO, Ana	(47) 04.05.2022
(22) 17.06.2019	PELOV, Alexander	(51) H04N 1/00
(54) METHOD FOR CONFIGURING A CENTRAL CONTROL UNIT BELONGING TO A HOME AUTOMATION SYSTEM	(74) ir. H.A. Witmans c.s.	(11) EP3537698
(73) Overkiz	(47) 13.04.2022	(21) EP19157637.0
(72) POGNANT, Sylvain	(51) H04L 29/08	(22) 18.02.2019
(74) dr. R.C. van Duijvenbode c.s.	H04L 12/58	(54) INFORMATION PROCESSING SYSTEM, SYSTEM, AND METHOD OF PROCESSING WORKFLOW
(31) 1855414	H04L 12/18	(73) Ricoh Company, Ltd.
(32) 20.06.2018	H04L 29/06	(72) KUROYANAGI, Tomohiro
(33) France	H04W 4/06	TOKIWA, Masafumi
(47) 13.04.2022	H04W 4/08	(74) ir. H.A. Witmans c.s.
(51) H04L 12/28	H04W 4/16	(31) 2018163753
H04L 29/06	H04W 4/12	2018041250
H04L 29/12	(11) EP3447998	2018041247
H04L 12/40	(21) EP18190091.1	(32) 31.08.2018
H04L 12/18	(22) 21.08.2018	07.03.2018
H04L 29/08	(54) METHOD FOR DYNAMIC FILTERING OF A GROUP COMMUNICATION	07.03.2018
(11) EP3643018	(73) Streamwide	(33) Japan
(21) EP18733800.9	(72) ROLLAND, Laëtitia	Japan
(22) 06.06.2018	(74) dr. R.C. van Duijvenbode c.s.	Japan
(54) SYSTEM AND METHOD FOR ISOLATING DEVICE COMMUNICATIONS IN A BACNET/IP BUILDING AUTOMATION NETWORK	(31) 1757822	(47) 18.05.2022
(73) Siemens Schweiz AG	(32) 23.08.2017	(51) H04N 5/225
(72) BRUN, Gerhard	(33) France	H04N 5/232
SCHLUMBERGER, Andreas	(47) 20.04.2022	G02B 7/08
CHOI, William	(51) H04L 65/4038	G02B 27/64
(74) dr. R.C. van Duijvenbode c.s.	H04L 65/4061	(11) EP3793187
(31) 201715683184	H04L 65/1083	(21) EP20205871.5
201762523009 P	H04W 4/10	(22) 11.03.2014
(32) 22.08.2017	H04M 3/56	(54) CAMERA MODULE
21.06.2017	H04M 3/20	(73) Samsung Electronics Co., Ltd.
(33) United States of America	(11) EP3745676	(72) JUNG, Bong-su
United States of America	(21) EP20187033.4	BYON, Kwang-seok
(47) 16.03.2022	(22) 14.07.2017	HWANG, Young-jae
(51) H04L 27/26	(54) SYSTEM AND METHOD FOR MANAGING AUDIO CUT-IN POLICY IN MCPTT COMMUNICATION	LEE, Seung-hwan
H04W 4/00	(73) Samsung Electronics Co., Ltd.	(74) dr. R.C. van Duijvenbode c.s.
(11) EP3375157	(72) Chitturi, Suresh	(31) 20130098132
(21) EP16864665.1	Gupta, Nishant	(32) 19.08.2013
(22) 01.11.2016	Pattan, Basavaraj Jayawant	(33) Korea (Republic)
(54) SYSTEMS AND METHODS OF PERFORMING DATA TRANSMISSION AND RECEPTION IN A COMMUNICATION SYSTEM	(74) dr. R.C. van Duijvenbode c.s.	(47) 27.04.2022
(73) Telefonaktiebolaget LM Ericsson (PUBL)	(31) 201641024348	(51) H04N 5/367
(72) HAGERMAN, Bo	201641024348	H01L 27/146
LOPEZ, Miguel	(32) 30.03.2017	H04N 5/378
	15.07.2016	H04N 5/335
	(33) India	H04N 5/341
	India	H04N 5/374
	(47) 27.04.2022	H04N 5/369
	(51) H04M 1/02	H04N 17/00
	G06F 1/16	(11) EP3806451
	(11) EP3737074	(21) EP19811146.0
		(22) 15.04.2019

(54) SOLID-STATE IMAGING ELEMENT, IMAGING DEVICE, AND METHOD FOR CONTROLLING SOLID-STATE IMAGING ELEMENT	(32) 09.07.2013	(22) 08.11.2016
(73) Sony Semiconductor Solutions Corporation	(33) European Patent Office (EPO)	(54) APPARATUS FOR SELECTING CORE NETWORK IN MOBILE COMMUNICATION SYSTEM
(72) SAKAKIBARA, Masaki	(47) 27.04.2022	(73) SK Telecom Co., Ltd.
(74) ir. W.J.J.M. Kempes	(51) H04R 1/40	(72) CHOI, Yong-seok
(31) 2018105731	H04S 7/00	PARK, Jonghan
(32) 01.06.2018	H04R 3/00	JEONG, Sangsoo
(33) Japan	(11) EP3369255	(74) mr. ir. J. van Breda c.s.
(47) 01.06.2022	(21) EP16794185.5	(31) 20160140378
(51) H04N 5/64	(22) 31.10.2016	20150162790
G09G 5/00	(54) METHOD AND APPARATUS FOR RECREATING DIRECTIONAL CUES IN BEAMFORMED AUDIO	(32) 26.10.2016
H04N 7/173	(73) Google LLC	19.11.2015
(11) EP2800361	(72) SANDERS, Nicholas Jordan	(33) Korea (Republic)
(21) EP12863300.5	(74) ir. H.A. Witmans c.s.	Korea (Republic)
(22) 13.12.2012	(31) 201514928871	(47) 11.05.2022
(54) DISPLAY DEVICE, DISPLAY CONTROL METHOD, PORTABLE TERMINAL DEVICE, AND PROGRAM	(32) 30.10.2015	(51) H04W 4/70
(73) Saturn Licensing LLC	(33) United States of America	H04W 76/15
(72) KONDO, Masao	(47) 06.04.2022	H04W 4/02
MATSUOKA, Fumiya	(51) H04W 4/20	(11) EP3732928
TAKO, Hiroataka	H04W 4/02	(21) EP17833014.8
YANO, Ken	H04W 4/021	(22) 29.12.2017
(74) dr. R.C. van Duijvenbode c.s.	H04L 67/566	(54) METHODS PROVIDING DUAL CONNECTIVITY FOR REDUNDANT USER PLANE PATHS AND RELATED CORE NETWORK CONTROL ENTITY AND WIRELESS COMMUNICATION NETWORK
(31) 2011288091	G01S 5/02	(73) Telefonaktiebolaget LM Ericsson (publ)
(32) 28.12.2011	G01S 19/05	(72) SACHS, Joachim
(33) Japan	H04W 64/00	MIKLÓS, György
(47) 13.04.2022	(11) EP3854114	FARKAS, János
(51) H04N 19/52	(21) EP18789257.5	VARGA, Balázs
H04N 19/33	(22) 20.09.2018	(74) ir. A. Blokland c.s.
(11) EP2904805	(54) LOCATION INFORMATION FOR MULTIPLE USER EQUIPMENTS	(47) 27.04.2022
(21) EP13776913.9	(73) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	(51) H04W 8/02
(22) 02.10.2013	(72) ENGSTRÖM, Stefan	H04W 36/08
(54) MOTION FIELD UPSAMPLING FOR SCALABLE CODING BASED ON HIGH EFFICIENCY VIDEO CODING	HENRIKSSON, Daniel	(11) EP2922319
(73) Qualcomm Incorporated	(74) ir. A. Blokland c.s.	(21) EP13852098.6
(72) SEREGIN, Vadim	(47) 20.04.2022	(22) 31.10.2013
CHEN, Ying	(51) H04W 4/50	(54) METHOD AND APPARATUS FOR MANAGING PACKET DATA NETWORK CONNECTION ON BASIS OF LOCAL AREA IN WIRELESS COMMUNICATION SYSTEM
(74) dr. R.C. van Duijvenbode c.s.	H04W 12/00	(73) Samsung Electronics Co., Ltd.
(31) 201314043706	H04W 12/04	(72) CHO, Song-Yean
201261737674 P	H04W 76/14	CHOI, Sung-Ho
201261711715 P	H04W 12/30	LEE, Ji-Cheol
201261710635 P	H04W 8/24	(74) dr. R.C. van Duijvenbode c.s.
(32) 01.10.2013	H04W 28/18	(31) 20120122706
14.12.2012	(11) EP3637808	(32) 31.10.2012
09.10.2012	(21) EP19213184.5	(33) Korea (Republic)
05.10.2012	(22) 23.03.2012	(47) 20.04.2022
(33) United States of America	(54) SYSTEM AND METHOD FOR NETWORK PROVISIONING OF MOBILE ENTITIES FOR PEER-TO-PEER SERVICE	(51) H04W 12/06
United States of America	(73) QUALCOMM Incorporated	H04W 12/04
United States of America	(72) GIARETTA, Gerardo	H04L 9/32
United States of America	GRIOT, Miguel	H04W 12/00
(47) 04.05.2022	HORN, Gavin Bernard	H04L 29/06
(51) H04N 21/242	(74) dr. R.C. van Duijvenbode c.s.	H02J 50/80
H04N 21/43	(31) 201213427818	H02J 50/00
(11) EP3020204	201161466505 P	H02J 7/00
(21) EP14736817.9	(32) 22.03.2012	H02J 50/10
(22) 08.07.2014	23.03.2011	H04L 9/08
(54) SYNCHRONIZED DATA PROCESSING BETWEEN RECEIVERS	(33) United States of America	H04W 12/0431
(73) Koninklijke KPN N.V.	United States of America	H04W 12/069
(72) BANGMA, Menno	(47) 11.05.2022	H04W 12/50
VAN BRANDENBURG, Ray	(51) H04W 4/70	(11) EP3827609
(74) ir. W.J.J.M. Kempes	H04W 48/08	
(31) 13175671	H04W 48/18	
	(11) EP3379867	
	(21) EP16866599.0	

(21) EP20745370.5	(33) United States of America	(47) 11.05.2022
(22) 30.06.2020	(47) 04.05.2022	(51) H04W 36/00
(54) ANONYMOUS DEVICE AUTHENTICATION	(51) H04W 24/04	(11) EP3874813
(73) Google LLC	H04L 41/069	(21) EP19802313.7
(72) FARAJI, Kiavash	(11) EP3000254	(22) 28.10.2019
SPANGLER, Randall	(21) EP13724807.6	(54) MOBILITY PROCEDURE
(74) ir. H.A. Witmans c.s.	(22) 22.05.2013	(73) TELEFONAKTIEBOLAGET LM
(31) 201962870167 P	(54) FAULT TRACKING IN A TELECOMMUNICATIONS SYSTEM	ERICSSON (PUBL)
(32) 03.07.2019	(73) Vivo Mobile Communication Co., Ltd.	(72) DA SILVA, Icaro L. J.
(33) United States of America	(72) LAAKSONEN, Heikki Jarmo Tapani	EKLÖF, Cecilia
(47) 13.04.2022	(74) J.M.H. Duyver lic.	RAMACHANDRA, Pradeepa
(51) H04W 12/40	(47) 11.05.2022	(74) ir. A. Blokland c.s.
G06F 21/35	(47) 11.05.2022	(31) 201862754153 P
H04W 12/08	(51) H04W 24/10	(32) 01.11.2018
H04W 4/80	H04L 5/00	(33) United States of America
H04W 12/33	(11) EP3619942	(47) 20.04.2022
H04W 12/30	(21) EP18794354.3	(51) H04W 36/00
H04W 88/02	(22) 19.04.2018	H04W 36/06
H04W 4/20	(54) PORT GROUP INDICATION AND PORT SUBSETS IN A CSI-RS RESOURCE FOR NEW RADIO (NR)	H04W 36/20
(11) EP3623977	(73) Qualcomm Incorporated	H04L 5/00
(21) EP19197856.8	(72) MANOLAKOS, Alexandros	(11) EP3840470
(22) 21.11.2013	ZHANG, Yu	(21) EP21156607.0
(54) METHOD AND MOBILE TERMINAL FOR CONTROLLING SCREEN LOCK	(74) dr. R.C. van Duijvenbode c.s.	(22) 20.06.2017
(73) Samsung Electronics Co., Ltd.	(31) PCT/CN2017/082739	(54) METHODS, TERMINAL AND BASE STATION FOR REDUCING INTERRUPTIONS FOR VEHICLE TO VEHICLE COMMUNICATION
(72) LEE, Sang-hyup	(32) 02.05.2017	(73) Samsung Electronics Co., Ltd.
LEE, Ju-youn	(33) World Intellectual Property Office (WIPO)	(72) AGIWAL, Anil
(74) dr. R.C. van Duijvenbode c.s.	(47) 11.05.2022	(74) dr. R.C. van Duijvenbode c.s.
(31) 20130026826	(51) H04W 24/10	(31) 201662352772 P
20120139249	H04W 76/27	(32) 21.06.2016
(32) 13.03.2013	(11) EP3677065	(33) United States of America
03.12.2012	(21) EP18880012.2	(47) 11.05.2022
(33) Korea (Republic)	(22) 16.11.2018	(51) H04W 36/00
Korea (Republic)	(54) COMMUNICATION METHOD AND APPARATUS IN WIRELESS COMMUNICATION SYSTEM	H04W 74/08
(47) 11.05.2022	(73) Samsung Electronics Co., Ltd.	H04W 36/08
(51) H04W 12/80	(72) KIM, Donggun	H04W 72/04
H04W 8/26	JIN, Seungri	(11) EP3513593
H04W 12/02	KIM, Soenghun	(21) EP17772251.9
H04L 29/06	SAYENKO, Alexander	(22) 14.09.2017
(11) EP3573304	JANG, Jaehyuk	(54) TECHNIQUES FOR HANDOVERS IN THE PRESENCE OF DIRECTIONAL WIRELESS BEAMS
(21) EP18173821.2	(74) dr. R.C. van Duijvenbode c.s.	(73) Qualcomm Incorporated
(22) 23.05.2018	(31) 20170153118	(72) LUO, Tao
(54) METHOD AND ARRANGEMENT FOR DETECTING SUBSCRIBER IDENTITY	(32) 16.11.2017	GUPTA, Ajay
(73) EXFO Oy	(33) Korea (Republic)	MENON, Vinod
(72) Ainali, Timo	(47) 20.04.2022	NAGARAJA, Sumeeth
Ikäheimo, Jorma	(51) H04W 28/08	(74) dr. R.C. van Duijvenbode c.s.
Mäkelä, Tuure	H04W 36/22	(31) 201715703460
Niiranen, Taisto	(11) EP3195687	201662396149 P
(74) ir. W.J.J.M. Kempes	(21) EP15756271.1	(32) 13.09.2017
(47) 23.03.2022	(22) 10.08.2015	17.09.2016
(51) H04W 24/02	(54) BASE STATION INITIATED CONTROL MECHANISM FOR SUPPORTING SUPPLEMENTAL LINK	(33) United States of America
H04W 88/18	(73) Qualcomm Incorporated	United States of America
(11) EP3737143	(72) SAMPATH, Ashwin	(47) 18.05.2022
(21) EP20182430.7	SUBRAMANIAN, Sundar	(51) H04W 36/00
(22) 22.02.2013	RYU, Jung	H04W 88/08
(54) SELF-ORGANIZING NETWORK FUNCTION INTERACTION	LI, Junyi	(11) EP3593561
(73) Telefonaktiebolaget LM Ericsson (publ)	(74) dr. R.C. van Duijvenbode c.s.	(21) EP17713484.8
(72) GUNNARSSON, Fredrik	(31) 201514676059	(22) 08.03.2017
MOE, Johan	201462052261 P	(54) UE, FIRST AND SECOND RADIO CONTROL NODE (RCN), AND METHODS THEREIN FOR ADAPTING A PROCESS OF CHANGING RADIO CONNECTIONS
AMIRIJOO, Mehdi	(32) 01.04.2015	(73) Telefonaktiebolaget LM Ericsson (Publ)
KALLIN, Harald	18.09.2014	
RÁCZ, András	(33) United States of America	
(74) ir. A. Blokland c.s.	United States of America	
(31) 201261601861 P		
(32) 22.02.2012		

(72) ENGSTRÖM, Stefan HENRIKSSON, Daniel	(47) 04.05.2022	(54) METHODS AND APPARATUSES FOR RECEIVING IN A WIRELESS COMMUNICATION SYSTEM
(74) ir. A. Blokland c.s.	(51) H04W 52/02	(73) Telefonaktiebolaget LM Ericsson (publ)
(47) 04.05.2022	H04N 5/44	(72) WANG, Jianfeng
(51) H04W 40/22	(11) EP3537777	GARCIA, Virgile
H04W 72/12	(21) EP19161701.8	LI, Ming
H04W 84/12	(22) 08.03.2019	MIAO, Qingyu
H04W 88/04	(54) DISPLAY DEVICE AND CONTROL METHOD THEREOF	(74) ir. A. Blokland c.s.
(11) EP3530032	(73) Samsung Electronics Co., Ltd.	(47) 18.05.2022
(21) EP16798298.2	(72) WOO, Jongha	(51) H04W 56/00
(22) 21.10.2016	CHO, Jungyon	(11) EP3714644
(54) ENABLING RELAYED COMMUNICATION IN A WIRELESS COMMUNICATION SYSTEM	MOON, Younghoon	(21) EP17811389.0
(73) Telefonaktiebolaget LM Ericsson (publ)	SEOL, Jin	(22) 20.11.2017
(72) ZHANG, Jingcheng	YOON, Sukun	(54) NODES AND METHODS FOR DETERMINING AND ENABLING A SYNCHRONIZED TIME REFERENCE IN A WIRELESS COMMUNICATIONS NETWORK
SUNDMAN, Dennis	KIM, Minji	(73) Telefonaktiebolaget LM Ericsson (publ)
WANG, Yu	(74) dr. R.C. van Duijvenbode c.s.	(72) OLOFSSON, Mikael
(74) ir. A. Blokland c.s.	(31) 20180058643	KIM, Junghoon
(47) 20.04.2022	20180028309	KIM, Hyunsoo
(51) H04W 48/12	(32) 23.05.2018	(74) ir. A. Blokland c.s.
H04L 25/03	09.03.2018	(47) 27.04.2022
H04W 56/00	(33) Korea (Republic)	(51) H04W 72/00
(11) EP3749021	Korea (Republic)	H04W 72/12
(21) EP20186119.2	(47) 27.04.2022	H04W 88/02
(22) 21.03.2018	(51) H04W 52/02	H04W 88/02
(54) NR BROADCAST CHANNEL TRANSMISSION	H04W 68/00	H04W 52/02
(73) Telefonaktiebolaget LM Ericsson (publ)	H04W 76/28	(11) EP3606250
(72) WANG, Jianfeng	H04W 88/02	(21) EP17916189.8
GRÖVLEN, Asbjörn	H04W 88/08	(22) 26.06.2017
SAHLIN, Henrik	(11) EP3689040	(54) SYSTEM INFORMATION RECEIVING METHOD AND DEVICE
(74) ir. A. Blokland c.s.	(21) EP18773139.3	(73) Beijing Xiaomi Mobile Software Co., Ltd.
(31) PCT/CN2017/078102	(22) 17.09.2018	(72) JIANG, Xiaowei
(32) 24.03.2017	(54) METHODS AND APPARATUSES FOR TRANSMITTING A POWER SAVING SIGNAL	(74) drs. O. Griebing
(33) World Intellectual Property Office (WIPO)	(73) Telefonaktiebolaget LM Ericsson (publ)	(47) 16.03.2022
(47) 04.05.2022	(72) HÖGLUND, Andreas	(51) H04W 72/04
(51) H04W 48/20	WALLÉN, Anders	H04L 27/26
H04W 48/08	ÅSTRÖM, Per Magnus	H04L 5/00
H04W 60/00	SUI, Yutao	H04W 48/12
H04W 52/02	(74) ir. A. Blokland c.s.	H04L 25/03
(11) EP3737161	(31) 201762564729 P	H04L 1/18
(21) EP20182900.9	(32) 28.09.2017	(11) EP3479633
(22) 19.01.2015	(33) United States of America	(21) EP17758685.6
(54) A METHOD FOR REDUCING BATTERY POWER CONSUMPTION OF USER EQUIPMENT (UE) DURING MANUAL CSG SELECTION	(47) 27.04.2022	(22) 12.08.2017
(73) Samsung Electronics Co., Ltd.	(51) H04W 52/02	(54) PARAMETERS FOR DEFINING THE NATURE OF A RESOURCE ALLOCATION
(72) SURISSETTY, Vijay Ganesh	H04W 72/12	(73) Motorola Mobility LLC
DANDRA, Prasad Basavaraj	H04L 1/18	(72) KUCHIBHOTLA, Ravi
DEVARAYANIGARI, Pavan Kumar	H04W 76/28	LOVE, Robert T.
SHAH, Nitesh Pushpak	H04W 72/04	NANGIA, Vijay
(74) dr. R.C. van Duijvenbode c.s.	(11) EP3739968	NORY, Ravikiran
(31) 236CH2014	(21) EP20174068.5	(74) ir. H.A. Witmans c.s.
(32) 20.01.2014	(22) 20.03.2018	(31) 201715675330
(33) India	(54) METHOD AND DEVICE FOR DETERMINING TIMER CONFIGURATION	201662374612 P
(47) 04.05.2022	(73) Telefonaktiebolaget LM Ericsson (publ)	(32) 11.08.2017
(51) H04W 52/02	(72) Fan, Rui	12.08.2016
(11) EP3787349	Liu, Jinhua	(33) United States of America
(21) EP18918182.9	(74) ir. A. Blokland c.s.	United States of America
(22) 11.05.2018	(31) PCT/CN2017/077915	(47) 08.06.2022
(54) SIGNAL TRANSMISSION METHOD, BASE STATION, AND NETWORK NODE	(32) 23.03.2017	(51) H04W 72/04
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(33) World Intellectual Property Office (WIPO)	H04W 16/14
(72) XU, Weijie	(47) 04.05.2022	H04W 72/12
(74) ir. W.J.J.M. Kempes	(51) H04W 52/52	H04L 5/14
	H04B 7/08	H04W 74/08
	(11) EP3586454	
	(21) EP17897991.0	
	(22) 21.02.2017	

H04L 5/00	(11) EP3494749	Korea (Republic)
(11) EP3641447	(21) EP17740874.7	(47) 11.05.2022
(21) EP18817326.4	(22) 10.07.2017	(51) H04W 76/00
(22) 15.06.2018	(54) COORDINATION OF SIGNALING	H04W 76/40
(54) METHOD OF CONFIGURING UPLINK	AND RESOURCE ALLOCATION IN A	H04W 88/06
GRANT-FREE TRANSMISSION AND	WIRELESS NETWORK USING RADIO	H04W 88/16
DEVICE THEREOF	ACCESS TECHNOLOGY	(11) EP3700289
(73) Vivo Mobile Communication Co., Ltd.	(73) Qualcomm Incorporated	(21) EP19217053.8
(72) YANG, Xiaodong	(72) HAMPEL, Karl Georg	(22) 08.08.2007
CHEN, Xiaohang	ABEDINI, Navid	(54) DIRECT USER PLANE TUNNEL
(74) J.M.H. Duyver lic.	ISLAM, Muhammad Nazmul	DELIVERY OF BROADCAST AND
(31) 201710459619	SUBRAMANIAN, Sundar	MULTICAST TRAFFIC
(32) 16.06.2017	LI, Junyi	(73) Intellectual Ventures II LLC
(33) China	(74) dr. R.C. van Duijvenbode c.s.	(72) ZISIMOPOULOS, Haris
(47) 11.05.2022	(31) 201715412362	JONES, Alan Edward
(51) H04W 72/08	201662370900 P	WORRALL, Chandrika K
H04L 1/00	(32) 23.01.2017	(74) ir. A. Blokland c.s.
H04W 72/04	04.08.2016	(31) 502929
(11) EP3326313	(33) United States of America	(32) 11.08.2006
(21) EP17764309.5	United States of America	(33) United States of America
(22) 07.08.2017	(47) 18.05.2022	(47) 27.04.2022
(54) METHODS AND ARRANGEMENTS	(51) H04W 72/12	(51) H04W 76/10
FOR COMMUNICATION IN URLLC	H04W 88/06	H04W 8/08
(73) Telefonaktiebolaget LM Ericsson (publ)	H04W 16/14	(11) EP2742766
(72) LI, Shaohua	(11) EP3266266	(21) EP11870765.2
LIU, Jinhua	(21) EP16707971.4	(22) 20.09.2011
ZHANG, Zhan	(22) 23.02.2016	(54) EXCHANGE OF MOBILITY
(74) ir. A. Blokland c.s.	(54) SCHEDULING OF RESOURCES	INFORMATION IN CELLULAR RADIO
(31) PCT/CN2016/101082	ADAPTED TO ANOTHER NODE'S	COMMUNICATIONS
(32) 30.09.2016	SCHEDULING INFORMATION IN	(73) Telefonaktiebolaget LM Ericsson (publ)
(33) World Intellectual Property Office (WIPO)	THE CONTEXT OF VEHICULAR	(72) DIMOU, Konstantinos
(47) 11.05.2022	DECENTRALIZED COOPERATIVE	MÜLLER, Walter
(51) H04W 72/12	COMMUNICATIONS	(74) ir. A. Blokland c.s.
(11) EP3695676	(73) Telefonaktiebolaget LM Ericsson (publ)	(31) 201161521581 P
(21) EP18796764.1	(72) DO, Hieu	(32) 09.08.2011
(22) 10.10.2018	BLASCO SERRANO, Ricardo	(33) United States of America
(54) UCI ON GRANT-FREE PUSCH	SORRENTINO, Stefano	(47) 11.05.2022
(73) Telefonaktiebolaget LM Ericsson (publ)	(74) ir. A. Blokland c.s.	(51) H04W 76/14
(72) BEHRAVAN, Ali	(31) 201562128583 P	H04W 4/44
BALDEMAIR, Robert	(32) 05.03.2015	H04W 80/04
PARKVALL, Stefan	(33) United States of America	(11) EP3787368
CHEN LARSSON, Daniel	(47) 27.04.2022	(21) EP20191025.4
FALAHATI, Sorour	(51) H04W 74/00	(22) 14.08.2020
(74) ir. A. Blokland c.s.	H04W 84/12	(54) METHOD AND APPARATUS
(31) 201762571112 P	H04W 74/08	FOR HEADER COMPRESSION
(32) 11.10.2017	H04W 28/06	CONFIGURATION FOR SIDELINK
(33) United States of America	(11) EP3484229	RADIO BEARER IN A WIRELESS
(47) 06.04.2022	(21) EP17824568.4	COMMUNICATION SYSTEM
(51) H04W 72/12	(22) 06.07.2017	(73) ASUSTek Computer Inc.
H04B 1/525	(54) WIRELESS COMMUNICATION	(72) PAN, Li-Te
H04W 8/24	TERMINAL USING TRIGGER	KUO, Richard Lee-Chee
H04W 52/14	INFORMATION	(74) dr. ir. G.J.C. Verdijk c.s.
H04W 52/24	(73) SK Telecom Co., Ltd.	(31) 201962890852 P
(11) EP3651529	Wilus Institute of Standards and	(32) 23.08.2019
(21) EP17916606.1	Technology Inc.	(33) United States of America
(22) 07.07.2017	(72) KWAK, Jinsam	(47) 13.04.2022
(54) INTERFERENCE COORDINATION	KO, Geonjung	(51) H04W 76/15
METHOD AND APPARATUS, BASE	SON, Juhung	H04W 76/18
STATION, AND USER EQUIPMENT	AHN, Woojin	H04W 76/25
(73) Beijing Xiaomi Mobile Software Co., Ltd.	(74) dr. R.C. van Duijvenbode c.s.	H04W 76/27
(72) ZHOU, Juejia	(31) 20170048145	(11) EP3793323
(74) J.M.H. Duyver lic.	20160117898	(21) EP20198842.5
(47) 11.05.2022	20160085764	(22) 20.10.2015
(51) H04W 72/12	(32) 13.04.2017	(54) PROHIBITING FAILURE INDICATIONS
H04W 56/00	13.09.2016	FOR SECONDARY CELL GROUP
H04W 92/04	06.07.2016	FAILURE
H04W 92/10	(33) Korea (Republic)	(73) Telefonaktiebolaget LM Ericsson (publ)
H04W 92/20	Korea (Republic)	(72) Dudda, Torsten

Susitaival, Riikka	(54) LED DRIVER, LIGHTING DEVICE, LED	(22) 03.11.2017
(74) ir. A. Blokland c.s.	BASED LIGHTING APPLICATION AND	(54) A COMPACT SYSTEM FOR COUPLING
(31) 201462066040 P	METHOD OF CONTROLLING AN LED	RF POWER DIRECTLY INTO AN
(32) 20.10.2014	DRIVER	ACCELERATOR
(33) United States of America	(73) eldoLAB Holding B.V.	(73) Starfire Industries LLC
(47) 11.05.2022	(72) SAES, Marc	(72) POTTER, James M.
(51) H04W 88/02	(74) ir. J.C. Volmer c.s.	JURCZYK, Brian E.
H04W 56/00	(31) 2005929	STUBBERS, Robert A.
H04W 24/08	201061427600 P	HOULAHAN, JR., Thomas J.
H04W 48/20	(32) 28.12.2010	(74) ir. H.A. Witmans c.s.
H04W 48/16	28.12.2010	(31) 201662416900 P
(11) EP3275281	(33) Netherlands	(32) 03.11.2016
(21) EP16769273.0	United States of America	(33) United States of America
(22) 25.02.2016	(47) 09.03.2022	(47) 16.03.2022
(54) APPARATUS, SYSTEM AND METHOD	(51) H05B 45/10	(51) H05K 7/14
OF PERFORMING A WIRELESS	(11) EP3570640	(11) EP3723460
ASSOCIATION	(21) EP18869451.7	(21) EP19214343.6
(73) Intel Corporation	(22) 24.04.2018	(22) 09.12.2019
(72) LEVY, Matan	(54) LED DIMMING METHOD, APPARATUS	(54) INVERTER STACK CAPABLE OF
STEINER, Itai	AND DEVICE, AND STORAGE MEDIUM	STRUCTURE MODIFICATION
(74) ir. W.J.J.M. Kempes	(73) GUANGZHOU YAJIANG	(73) Korea Plant Service & Engineering Co.,
(31) 201514669466	PHOTOELECTRIC EQUIPMENT CO.,	Ltd.
(32) 26.03.2015	LTD.	(72) PARK, Jin Soo
(33) United States of America	(72) HUANG, Rongfeng	PARK, Ill Ho
(47) 27.04.2022	CHEN, Yunchou	BAE, Young Sang
(51) H04W 88/06	CHEN, Zhiman	(74) dr. R.C. van Duijvenbode c.s.
H04W 88/10	(74) dr. A. Krebs	(31) 20190043326
H04W 28/02	(31) 201810287363	(32) 12.04.2019
H04W 76/00	(32) 30.03.2018	(33) Korea (Republic)
H04W 28/08	(33) China	(47) 13.04.2022
H04W 76/11	(47) 01.06.2022	(51) H05K 7/20
(11) EP3261406	(51) H05B 45/20	(11) EP3829278
(21) EP15882662.8	(11) EP3874908	(21) EP19315149.5
(22) 20.02.2015	(21) EP19786992.8	(22) 29.11.2019
(54) WIRELESS COMMUNICATION	(22) 21.10.2019	(54) COOLING ARRANGEMENT FOR A
SYSTEM, BASE STATION, AND	(54) LIGHTING SYSTEM WITH	SERVER MOUNTABLE IN A SERVER
MOBILE STATION	CONNECTED LIGHT SOURCES	RACK
(73) Fujitsu Limited	(73) Signify Holding B.V.	(73) OVH
(72) AIKAWA, Shinichiro	(72) HIKMET, Rifat, Ata, Mustafa	(72) Chehade, Ali
TAKECHI, Ryuichi	VAN BOMMEL, Ties	Bauduin, Hadrien
OHTA, Yoshiaki	(31) 18203088	(74) J.M.H. Duyver lic.
ODE, Takayoshi	(32) 29.10.2018	(47) 18.05.2022
SUGA, Junichi	(33) European Patent Office (EPO)	
(74) ir. C.G.C. Veldman-Dijkers	(47) 11.05.2022	
(47) 25.05.2022	(51) H05H 1/24	
(51) H05B 3/34	A46B 15/00	
H05B 1/02	(11) EP3682715	
A24F 40/44	(21) EP18772720.1	
A24F 40/46	(22) 03.09.2018	
A24F 40/50	(54) PLASMA TREATMENT DEVICE AND	
(11) EP3407677	PLASMA TREATMENT SET WITH THE	
(21) EP18172913.8	SAME	
(22) 17.05.2018	(73) Cinogy GmbH	
(54) EVAPORATOR UNIT FOR AN INHALER	(72) RICKE, Melanie	
AND METHOD FOR CONTROLLING AN	WANDKE, Dirk	
EVAPORATOR UNIT	TRUTWIG, Leonhard	
(73) Hauni Maschinenbau GmbH	STORCK, Karl-Otto	
(72) KESSLER, Marc	HAHN, Mirko	
SCHMIDT, Rene	(74) dr. R.C. van Duijvenbode c.s.	
(74) ir. F.A. Geurts c.s.	(31) 102017120902	
(31) 102017111435	(32) 11.09.2017	
(32) 24.05.2017	(33) Germany	
(33) Germany	(47) 09.03.2022	
(47) 06.04.2022	(51) H05H 7/02	
(51) H05B 33/08	H05H 7/18	
(11) EP3544385	H05H 7/22	
(21) EP19174450.7	(11) EP3536132	
(22) 22.12.2011	(21) EP17867132.7	

EP4

**Voor Nederland verleende gewijzigde Europese octrooien.
Contains data concerning European patents granted in amended form (B2 or B3
publications).**

(51) A01B 59/042	(22) 14.03.2014	(47) 13.06.2018
(11) EP3243368	(54) METHODS AND SYSTEMS FOR	(51) B44C 5/04
(21) EP16203914.3	CONDITIONING OF PARTICULATE	E04F 15/00
(22) 14.12.2016	CRYSTALLINE MATERIALS	B29C 43/28
(54) TRACTION MACHINE DEVICE	(73) Pearl Therapeutics, Inc.	B29L 31/00
COMBINATION WITH DRIVER	(74) ir. W.J.J.M. Kempes	B27N 3/24
ASSISTANCE SYSTEM	(72) LECHUGA, David	B27N 7/00
(73) CLAAS Tractor S.A.S.	DWIVEDI, Sarvajna	B30B 5/06
(74) ir. H.A. Witmans c.s.	VEHRING, Reinhard	B32B 37/20
(72) De Wever, Geoffrey	SNYDER, Herm	E04F 13/00
Nivot, Xavier	SPECK, Jason, H.	E04F 15/10
Villette, Clement	IVEY, James	B29C 43/48
Dirlewanger, Florian	KAZMI, Ali	B29C 43/22
Glitz, Thinus	(31) 201361799956 P	(11) EP3140129
Clement, Majorie	(32) 15.03.2013	(21) EP15718891.3
(31) 102016118205	(33) United States of America	(22) 28.04.2015
102016108590	(47) 28.11.2018	(54) METHOD FOR PRODUCING A
(32) 27.09.2016	(51) A61P 1/00	DECORATED WALL OR FLOOR PANEL
10.05.2016	A61P 3/00	(73) Akzenta Paneele + Profile GmbH
(33) Germany	C07K 16/24	(74) drs. J. Renkema
Germany	A61P 9/00	(72) HANNIG, Hans-Jürgen
(47) 06.11.2019	A61P 11/00	(31) 14167698
(51) A23L 29/30	A61P 13/02	(32) 09.05.2014
A23D 7/00	A61P 15/00	(33) European Patent Office (EPO)
(11) EP2672837	A61P 17/00	(47) 04.07.2018
(21) EP12745154.0	A61P 19/02	(51) B61K 3/02
(22) 10.02.2012	A61P 21/00	B61K 13/00
(54) NUTRITIONAL COMPOSITIONS AND	A61P 25/00	(11) EP2145810
USES THEREOF	A61P 27/00	(21) EP08013009.9
(73) Clover Corporation Limited	A61P 43/00	(22) 18.07.2008
(74) ir. W.J.J.M. Kempes	A61P 35/00	(54) Fixing and adjustment device for a
(72) PATCH, Craig	A61P 31/04	railway vehicle
CRENNAN, Sarah	A61P 29/00	(73) ALSTOM Transport Technologies
MOSSEL, Brenda	A61P 37/00	(72) Mackowiak, Gregor, Dipl.-Ing.
ELLIOTT, Glenn	(11) EP2307457	Daniel, Laurent, Dipl.-Ing.
(31) 2011900451	(21) EP09768692.7	(47) 26.10.2011
(32) 11.02.2011	(22) 25.06.2009	(51) C01B 15/013
(33) Australia	(54) STABLE AND SOLUBLE ANTIBODIES	C07D 303/04
(47) 03.04.2019	INHIBITING TNF	(11) EP3052439
(51) A45D 2/02	(73) ESBATech, an Alcon Biomedical	(21) EP14777659.5
A45D 2/36	Research Unit LLC	(22) 02.10.2014
A45D 6/00	(74) ir. M.F.J.M. Ketelaars c.s.	(54) PROCESS FOR MANUFACTURING
A45D 6/02	(72) URECH, David	A PURIFIED AQUEOUS HYDROGEN
(11) EP3009027	BORRAS, Leonardo	PEROXIDE SOLUTION
(21) EP15195739.6	GUNDE, Tea	(73) Solvay SA
(22) 17.12.2008	(31) 155041 P	(74) ir. W.J.J.M. Kempes
(54) A HAIR STYLING AID	75956 P	(72) CARLIER, Juan-Teva
(73) TF3 Limited	75692 P	HOOGHE, Lieven
(74) ir. A. Ferguson	75697 P	DOURNEL, Pierre
(72) DeBenedictis, Alfredo	75640 P	VENBRUX, Henk
(31) 0724555	(32) 24.02.2009	(31) 14175503
(32) 17.12.2007	26.06.2008	13187128
(33) United Kingdom	25.06.2008	(32) 03.07.2014
(47) 31.01.2018	25.06.2008	02.10.2013
(51) A61K 9/14	25.06.2008	(33) European Patent Office (EPO)
A61K 31/40	(33) United States of America	European Patent Office (EPO)
B02C 19/00	United States of America	(47) 07.08.2019
(11) EP2968152	United States of America	(51) C07K 14/505
(21) EP14717628.3	United States of America	C07K 14/555
	United States of America	C07K 14/56

C07K 14/565	H01J 37/32	201461980659 P
C07K 14/745	(11) EP3256619	201461948534 P
C07K 14/475	(21) EP16706999.6	201461944520 P
C07K 16/00	(22) 15.02.2016	(32) 24.02.2015
C12N 9/64	(54) USE OF A FIXTURE COMPRISING	19.01.2015
C12N 9/96	MAGNETIC MEANS FOR HOLDING	17.11.2014
A61K 47/48	ROTARY SYMMETRIC WORKPIECES	16.09.2014
(11) EP2361932	(73) Oerlikon Surface Solutions AG, Pfäffikon	24.06.2014
(21) EP10182890.3	(74) ir. M.F.J.M. Ketelaars c.s.	17.04.2014
(22) 06.05.2004	(72) KEPLINGER, Christian	05.03.2014
(54) Immunoglobulin chimeric monomer-dimer hybrids	BECKER, Jürgen	25.02.2014
(73) Bioverativ Therapeutics Inc.	VESTER, Armin	(33) United States of America
(72) Low, Susan C	KIM, Dong-Ju	United States of America
Bitonti, Alan J	(31) 201562115725 P	United States of America
Peters, Robert T.	(32) 13.02.2015	United States of America
Stattel, James M	(33) United States of America	United States of America
Rivera, Daniel S	(47) 26.09.2018	United States of America
Mezo, Adam R	(51) G01N 27/82	United States of America
(31) 539207 P	G01V 3/08	United States of America
487964 P	(11) EP2820405	(47) 10.10.2018
469600 P	(21) EP13709988.3	
(32) 26.01.2004	(22) 01.03.2013	
17.07.2003	(54) FAULT DETECTION FOR PIPELINES	
06.05.2003	(73) Speir Hunter Ltd	
(33) United States of America	(74) dr. A. Krebs	
United States of America	(72) VARCOE, Ben	
United States of America	FREEAR, Steven	
(47) 04.05.2016	VO, Chau	
(51) C07K 16/00	COWELL, David Matthew Joseph	
A01K 67/027	STAPLES, Stephen George Henry	
C12N 5/10	(31) 201203717	
(11) EP1864998	(32) 02.03.2012	
(21) EP07075586.3	(33) United Kingdom	
(22) 22.07.2005	(47) 08.05.2019	
(54) Binding molecules	(51) G05B 19/4067	
(73) Craig, Roger Kingdon	E06B 9/88	
Erasmus University Medical Center	E06B 9/68	
Rotterdam	(11) EP2063336	
(72) Craig, Roger Kingdon	(21) EP08019788.2	
Grosveld, Franklin Gerardus	(22) 12.11.2008	
Drabek, Dubravka	(54) Drive assembly for a screening device	
Janssens, Richard Wilhelm	(73) ARCA Beteiligungen GmbH	
(31) 0511881	(72) Tepasse, Johannes, Dipl.-Ing.	
0416392	Kern, Ralf, Dipl.-Ing.	
(32) 10.06.2005	(31) 202007016283 U	
22.07.2004	202007015933 U	
(33) United Kingdom	(32) 20.11.2007	
United Kingdom	13.11.2007	
(47) 25.09.2013	(33) Germany	
(51) C08F 10/02	Germany	
C08F 2/00	(47) 10.02.2016	
(11) EP2673307	(51) G06T 7/00	
(21) EP12707885.5	(11) EP3113710	
(22) 08.02.2012	(21) EP15755633.3	
(54) FREE RADICAL POLYMERISATION OF ETHYLENE INITIATED BY ORGANIC PEROXIDES WITH HIGH PRODUCTIVITY	(22) 25.02.2015	
(73) Arkema France	(54) SYSTEMS AND METHODS FOR INTRA-OPERATIVE IMAGE ANALYSIS	
(72) HUB, Serge	(73) DePuy Synthes Products, Inc.	
NICOL, Pascal	(74) ir. M.F.J.M. Ketelaars c.s.	
(31) 1151086	(72) JIANG, Xiu	
(32) 10.02.2011	WOLLOWICK, Noah	
(33) France	COOPER, Andrew J.	
(47) 17.09.2014	ALBERT, Cameron	
(51) C23C 16/458	(31) 201514630300	
C23C 14/50	201562105183 P	
	201462080953 P	
	201462051238 P	
	201462016483 P	

EP5

Voor Nederland verleende gewijzigde Europese octrooien waarvoor een gewijzigde vertaling is ingediend .

Contains data concerning European patents granted for Netherlands and republished in amended form (B2 or B3 applications) in English and for which a translation in Dutch, was filed under the Dutch Patent Laws.

(51) A24C 5/34	(21) EP11841450.7	(74) ir. A. Blokland c.s.
A24D 3/02	(22) 02.11.2011	(31) 2009255949
(11) EP2769632	(54) BACKUP CIRCUIT FOR ELECTRICITY	(32) 09.11.2009
(21) EP14155364.4	SUPPLY, ELEVATOR SYSTEM, AND	(33) Japan
(22) 17.02.2014	METHOD	(47) 08.01.2014
(54) Measurement method and measurement	(73) Kone Corporation	(51) C21D 8/02
assembly for detecting the position of an	(72) KATTAINEN, Ari	C21D 9/46
object in a filter rod conveyed along the	KETONEN, Ari	C22C 38/04
longitudinal axis, and machine for the	SAARELAINEN, Antti	C22C 38/02
tobacco processing industry	(74) ir. A. Blokland c.s.	C22C 38/06
(73) Hauni Maschinenbau GmbH	(31) 20106215	C22C 38/12
(72) Gast, Hanno	(32) 18.11.2010	(11) EP2155915
Sacher, Dirk	(33) Finland	(21) EP08805523.1
(74) ir. F.A. Geurts c.s.	(47) 04.07.2018	(22) 28.04.2008
(31) 102013203140	(51) C07K 16/22	(54) PROCESS FOR MANUFACTURING
(32) 26.02.2013	A61K 39/395	COLD-ROLLED AND ANNEALED
(33) Germany	A61P 19/00	STEEL SHEETS WITH VERY HIGH
(47) 01.11.2017	(11) EP2976359	STRENGTH, AND SHEETS THUS
(51) A61F 5/445	(21) EP14717386.8	PRODUCED
A61F 5/448	(22) 20.03.2014	(73) ArcelorMittal
(11) EP2974702	(54) METHODS FOR TREATING	(72) GIL OTIN, Javier
(21) EP15179512.7	OSTEOGENESIS IMPERFECTA	MOULIN, Antoine
(22) 12.11.2009	(73) Genzyme Corporation	(74) dr. ir. G.J.C. Verdijk c.s.
(54) TO CONTROL BENDING IN A SKIN	Baylor College Of Medicine	(31) PCT/FR2007/290598
PLATE FOR USE IN AN OSTOMY	(72) SAMPATH, Kuber, T.	(32) 11.05.2007
APPLIANCE	LEE, Brendan	(33) World Intellectual Property Office (WIPO)
(73) Coloplast A/S	(74) ir. W.J.J.M. Kempes	(47) 25.10.2017
(72) HANSEN, Michael	(31) 201361883151 P	(51) H04W 36/00
ANDERSEN, Birthe Vestbo	201361875399 P	H04W 84/00
(74) ir. W.J.J.M. Kempes	201361803647 P	H04W 4/04
(31) 200801571	(32) 26.09.2013	H04W 88/00
(32) 12.11.2008	09.09.2013	H04L 29/12
(33) Denmark	20.03.2013	H04W 36/02
(47) 09.01.2019	(33) United States of America	H04W 80/04
(51) B26D 5/32	United States of America	(11) EP2335395
B26D 7/06	United States of America	(21) EP09784962.4
B26D 5/20	(47) 29.08.2018	(22) 19.08.2009
(11) EP2900440	(51) C08F 214/26	(54) METHOD OF PROVIDING DATA
(21) EP13773214.5	C08F 2/24	COMMUNICATION TO A VEHICLE
(22) 30.09.2013	C08J 9/00	(73) NOMAD DIGITAL LIMITED
(54) DEVICE AND METHOD FOR	(11) EP2500366	(72) CARROLL, Caleb
CONTINUOUSLY PRODUCING	(21) EP10828382.1	(74) ir. H.A. Witmans c.s.
PORTIONS	(22) 08.11.2010	(31) 0815494
(73) GEA Food Solutions Germany GmbH	(54) AQUEOUS	(32) 26.08.2008
(72) MÜLLER, Ralf-Peter	POLYTETRAFLUOROETHYLENE	(33) United Kingdom
MOEST, Markus	EMULSION AND PROCESS FOR	(47) 27.11.2013
MAY, Alexander	PRODUCTION THEREOF, AQUEOUS	(51) H05B 37/02
GAHLER, Thomas	POLYTETRAFLUOROETHYLENE	(11) EP2856845
(74) ir. W.J.J.M. Kempes	DISPERSION OBTAINED	(21) EP13741841.4
(31) 102012109247	USING THE EMULSION,	(22) 04.06.2013
(32) 28.09.2012	POLYTETRAFLUOROETHYLENE FINE	(54) A METHOD FOR PROVIDING PRIVACY
(33) Germany	POWDER, AND STRETCH-EXPANDED	PROTECTION IN NETWORKED
(47) 08.11.2017	BODY	LIGHTING CONTROL SYSTEMS
(51) B66B 5/06	(73) AGC Inc.	(73) Signify Holding B.V.
B66B 5/02	(72) HIGUCHI, Shinya	(72) PATEL, Maulin Dahyabhai
H02J 9/06	MATSUOKA, Yasuhiko	MANI, Murai
(11) EP2640656	KOBAYASHI, Shigeki	(31) 201261655029 P

(32) 04.06.2012
(33) United States of America
(47) 30.08.2017

SPC

Ingeschreven en verleende certificaten.

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

(21) 300458	oligosacharide geconjugeerd met
(22) 13.09.2010	Corynebacterium diphtheriae CRM197
(11) 300458	eiwit en meningokokkaal groep Y
(73) Novartis AG	oligosacharide geconjugeerd met
(74) ir. F.A. Geurts c.s.	Corynebacterium diphtheriae CRM197
(68) EP1401489	eiwit.
(54) CAPSULAR POLYSACCHARIDE	(93) EU/1/10/614/001 17.03.2010
SOLUBILISATION.	(47) 23.03.2011
(94) 16.03.2025	(21) 300760
(95) Meningokokkale groep A oligosacharide	(22) 29.09.2015
geconjugeerd met Corynebacterium	(11) 300760
diphtheriae CRM197 eiwit	(73) Daiichi Sankyo Company, Limited
(93) EU/1/10/614/001 17.03.2010	(74) ir. A. Blokland c.s.
(47) 20.12.2016	(68) EP1405852
(21) 300459	(54) DIAMINE DERIVATIVES.
(22) 13.09.2010	(94) 19.06.2027
(11) 300459	(95) Edoxaban, een zout daarvan, een
(73) Novartis AG	solvaat daarvan of een N-oxide
(74) ir. F.A. Geurts c.s.	daarvan, in het bijzonder edoxaban
(68) EP1401489	tosylaat
(54) CAPSULAR POLYSACCHARIDE	(93) EU/1/15/993 19.06.2015
SOLUBILISATION.	(47) 20.07.2017
(94) 16.03.2025	(21) 301170
(95) Meningokokkale groep W135	(22) 19.04.2022
oligosacharide geconjugeerd met	(11) 301170
Corynebacterium diphtheriae CRM197	(73) OPKO Biologics Ltd.
eiwit	(74) dr. R.C. van Duijvenbode c.s.
(93) EU/1/10/614/001 17.03.2010	(68) EP3060239
(47) 20.12.2016	(54) LONG-ACTING POLYPEPTIDES AND
(21) 300460	METHODS OF PRODUCING AND
(22) 13.09.2010	ADMINISTERING SAME
(11) 300460	(94) 14.02.2037
(73) Novartis AG	(95) Somatrogon
(74) ir. F.A. Geurts c.s.	(93) EU/1/21/1617 15.02.2022
(68) EP1401489	(47) 16.06.2022
(54) CAPSULAR POLYSACCHARIDE	(21) 301172
SOLUBILISATION.	(22) 20.04.2022
(94) 16.03.2025	(11) 301172
(95) Meningokokkale groep Y oligosacharide	(73) ASCENDIS PHARMA
geconjugeerd met Corynebacterium	ENDOCRINOLOGY DIVISION A/S
diphtheriae CRM197 eiwit	(74) dr. R.C. van Duijvenbode c.s.
(93) EU/1/10/614/001 17.03.2010	(68) EP3653227
(47) 20.12.2016	(54) NOVEL POLYMERIC HGH PRODRUGS
(21) 300475	(94) 16.01.2037
(22) 14.01.2011	(95) Lonapegsomatropine
(11) 300475	(93) EU/1/21/1607 17.01.2022
(73) GlaxoSmithKline Biologicals S.A.	(47) 16.06.2022
(74) ir. F.A. Geurts c.s.	(21) 301173
(68) EP1741442	(22) 02.05.2022
(54) Neisseria meningitidis combination	(11) 301173
vaccines.	(73) Janssen Biotech, Inc.
(94) 16.03.2025	(74) dr. R.C. van Duijvenbode c.s.
(95) Combinatie van meningokokkaal	(68) EP2922872
groep A oligosacharide geconjugeerd	(54) BISPECIFIC EGFR/C-MET ANTIBODIES
met Corynebacterium diphtheriae	(94) 09.12.2036
CRM197 eiwit, meningokokkaal groep	(95) amivantamab
C oligosacharide geconjugeerd met	(93) EU/1/21/1576 10.12.2021
Corynebacterium diphtheriae CRM197	(47) 15.06.2022
eiwit, meningokokkaal groep W135	

VB1

Rechten waarvoor een verzoek of bezwaarschrift is ingediend conform Octrooiwet 1995 en de Algemene Wet Bestuursrecht.

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

(11) EP2685958	(00) 33/21	18.08.2021	
(51) A61K 6/78	18.08.2021		(11) EP3617254
A61K 6/804	(11) EP3167700		(51) C08J 5/10
A61K 6/818	(51) A01D 34/00		C08J 5/24
A61K 6/822	G05D 1/02		(00) 33/21
C04B 35/486	(00) 34/21	18.08.2021	
C04B 35/632	25.08.2021		(11) EP3638198
C04B 35/634	(11) EP3222121		(51) A61K 8/63
C04B 41/00	(51) H05H 1/24		A61K 8/34
C04B 41/50	A61B 18/14		A61K 8/49
C04B 41/85	A61B 18/18		A61Q 7/00
C04B 111/00	A61B 18/22		A61K 31/4412
C04B 111/82	(00) 33/21	18.08.2021	A61K 31/505
(00) 33/21	18.08.2021		(00) 33/21
18.08.2021	(11) EP3270608		18.08.2021
(11) EP2711323	(51) H04R 25/00		(11) EP3763212
(51) B66B 1/46	(00) 33/21	18.08.2021	(51) A01N 47/16
(00) 33/21	18.08.2021		A01N 31/06
18.08.2021	(11) EP3291959		A01N 25/00
(11) EP2791160	(51) B29C 45/76		A01P 17/00
(51) A61K 48/00	B29C 45/77		(00) 33/21
C07K 14/47	(00) 33/21	18.08.2021	18.08.2021
C12N 15/85	18.08.2021		
A61K 31/7115	(11) EP3321647		
C12N 9/88	(51) G01G 19/06		
A61K 9/00	G01G 19/14		
A61K 9/127	G01G 11/08		
A61K 9/14	G01G 13/28		
A61K 9/16	A22C 11/02		
A61K 31/7088	A22C 15/00		
C07K 2/00	(00) 33/21	18.08.2021	
C12N 15/117	18.08.2021		
C12P 21/00	(11) EP3366283		
A61K 31/7105	(51) A61K 9/20		
C12N 15/88	C07D 207/16		
C12N 15/00	A61P 3/00		
A61P 3/00	A61P 3/04		
A61P 3/10	A61P 3/10		
A61P 9/10	A61P 19/02		
(00) 09/22	A61P 19/10		
02.03.2022	A61P 37/08		
(11) EP2976352	A61P 43/00		
(51) C07K 1/14	(00) 35/21	01.09.2021	
C07K 1/30	01.09.2021		
(00) 33/21	(11) EP3369570		
18.08.2021	(51) B33Y 10/00		
(11) EP3033984	B33Y 30/00		
(51) A47L 11/40	B33Y 40/00		
(00) 33/21	B29C 64/153		
18.08.2021	B29C 64/268		
(11) EP3104723	B29C 64/364		
(51) A24F 47/00	B29C 64/371		
A61M 15/06	B22F 3/105		
H05B 3/34	(00) 34/21	25.08.2021	
(00) 33/21	25.08.2021		
18.08.2021	(11) EP3603112		
(11) EP3165644	(51) H04R 25/00		
(51) D03D 15/513	(00) 33/21		

VB2

Rechten waarvoor een beslissing is genomen op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.

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

(11) EP2366412
(51) A61B 17/32
A61M 1/10

(11) EP2832236
(51) A23J 1/10
A23J 3/30
C08H 1/06
A23L 33/17

(00) 04/17
25.01.2017

(11) EP2920217
(51) C08F 297/08
C08L 23/00
C08L 23/08
C08L 23/14

(11) EP3114048
(51) B65D 85/804

(11) EP3250081
(51) A46B 3/14
A46B 3/16
A46B 7/04
A46B 7/10
A46B 9/12
A46B 13/00
A46B 13/02
A46D 1/00
A46D 3/05
B01D 29/11
B01D 29/15
B01D 29/21
E01H 1/05
E01H 5/09
E21B 43/08

(11) EP3415399
(51) B61L 19/06
B61L 19/08
B61L 27/00
(00) 35/20
26.08.2020

(11) EP3443209
(51) F01N 3/20
F01N 3/28

(11) EP3577278
(51) E01C 5/06
E02B 3/14

MED**Overige mededelingen.
Contains data concerning other communications.**

(11) 2024038	A61P 37/00	B29L 31/00
(00) 07.06.2022	(11) EP2361932	B27N 3/24
(51) H01L 21/67	(51) C07K 14/505	B27N 7/00
B29C 45/14	C07K 14/555	B30B 5/06
B29C 45/82	C07K 14/56	B32B 37/20
(11) 2028990	C07K 14/565	E04F 13/00
(00) 14.06.2022	C07K 14/745	E04F 15/10
(51) H01F 17/00	C07K 14/475	B29C 43/48
H01F 17/04	C07K 16/00	B29C 43/22
H01F 41/04	C12N 9/64	(11) EP3173489
(11) 2029034	C12N 9/96	(00) 18.05.2022
(00) 13.06.2022	A61K 47/48	(51) G06F 19/24
(51) G06F 11/10	(11) EP2672837	C12Q 1/68
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(00) 20.06.2022	(11) EP2673307	(11) EP3210142
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G06F 1/28	C08F 2/00	(51) C12Q 1/6886
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G06F 9/345	(51) G01N 27/82	C23C 14/50
(11) EP1864998	G01V 3/08	H01J 37/32
(51) C07K 16/00	(11) EP2938745	(11) EP3334837
A01K 67/027	(00) 18.05.2022	(00) 18.05.2022
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(11) EP2021097	C12Q 1/6886	(00) Based on clerical error
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(11) EP2145810	A45D 2/36	B01D 3/30
(51) B61K 3/02	A45D 6/00	B01D 53/18
B61K 13/00	A45D 6/02	(00) New licence registration
(11) EP2307457	(11) EP3013986	(11) EP3692173
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C07K 16/24	C12Q 1/68	C12Q 1/6844
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A61P 15/00	(51) C01B 15/013	(00) Based on clerical error
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A61P 19/02	(11) EP3113710	
A61P 21/00	(51) G06T 7/00	
A61P 25/00	(11) EP3140129	
A61P 27/00	(51) B44C 5/04	
A61P 43/00	E04F 15/00	
A61P 35/00	B29C 43/28	
A61P 31/04		
A61P 29/00		

VRV

Verval of nietigverklaring.

Contains data concerning lapse or annulment.

(11) 1020895	(00) Patent Expired	(00) Patent Expired
(00) 18.06.2022	(11) EP1397047	(11) EP1405858
(00) Patent Expired	(00) 19.06.2022	(00) 19.06.2022
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(11) 2029279	(00) Patent Expired	(00) Patent Expired
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(11) 300291	(00) Patent Expired	(00) Patent Expired
(00) 19.06.2022	(11) EP1397482	(11) EP1406998
(00) SPC Expired	(00) 19.06.2022	(00) 21.06.2022
(11) EP1212894	(00) Patent Expired	(00) Patent Expired
(00) 18.08.2020	(11) EP1399015	(11) EP1407444
(00) Patent Expired	(00) 21.06.2022	(00) 18.06.2022
(11) EP1270083	(00) Patent Expired	(00) Patent Expired
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(11) EP1273636	(00) Patent Expired	(00) Patent Expired
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(11) EP1374906	(00) Patent Expired	(00) Patent Expired
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(11) EP3755598	(11) EP3764693	(11) EP3778284
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3756233	(11) EP3765722	(11) EP3778422
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3779004	(11) EP3795404	(11) EP3814743
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3779276	(11) EP3796950	(11) EP3816007
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3782401	(11) EP3797018	(11) EP3816426
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3783067	(11) EP3797946	(11) EP3818458
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3783223	(11) EP3797971	(11) EP3819434
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3783273	(11) EP3798152	(11) EP3823468
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3783427	(11) EP3798380	(11) EP3823576
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3784826	(11) EP3799140	(11) EP3827891
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3786604	(11) EP3801662	(11) EP3828436
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3786990	(11) EP3801706	(11) EP3831719
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3787329	(11) EP3803190	(11) EP3832025
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3787885	(11) EP3804620	(11) EP3833730
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3788744	(11) EP3807507	(11) EP3838665
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3789449	(11) EP3808156	(11) EP3844094
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3790359	(11) EP3809440	(11) EP3844260
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3790517	(11) EP3809700	(11) EP3845762
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3790799	(11) EP3809801	(11) EP3847394
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3790998	(11) EP3810540	(11) EP3849989
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3793460	(11) EP3810661	(11) EP3857185
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3794225	(11) EP3812366	(11) EP3861912
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3794308	(11) EP3812933	(11) EP3871926
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3795054	(11) EP3813627	(11) EP3871971
(00) 16.02.2022	(00) 16.02.2022	(00) 16.02.2022

(00) EPV Ceased Effect

(11) EP3874693
(00) 16.02.2022
(00) EPV Ceased Effect

(11) EP3875145
(00) 16.02.2022
(00) EPV Ceased Effect

(11) EP3879034
(00) 16.02.2022
(00) EPV Ceased Effect

(11) EP3902206
(00) 16.02.2022
(00) EPV Ceased Effect

(11) EP3921246
(00) 16.02.2022
(00) EPV Ceased Effect

VRB

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

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) XSPlatforms Intellectual Property B.V.	(73) AGFA OFFSET BV	(00) Assignment
(73) XSPlatforms Intellectual Property B.V.	(11) EP1749240	(71) SK Chemicals Co., Ltd.
(11) 2008121	(00) 14.06.2022	(73) SK Chemicals Co., Ltd.
(00) 09.06.2022	(51) G03F 7/09	(11) EP2099734
(51) A62B 35/00	(00) Assignment	(00) 07.06.2022
E04G 21/32	(71) UCB Biopharma SRL	(51) C07C 17/12
(00) Assignment	(73) UCB Biopharma SRL	C07C 23/10
(71) Cura Packaging B.V.	(11) EP1981892	(00) Assignment
(73) Cura Packaging B.V.	(00) 10.06.2022	(71) AGFA OFFSET BV
(11) 2005388	(51) A61K 31/4365	(73) AGFA OFFSET BV
(00) 10.06.2022	C07D 495/04	(11) EP2153279
(51) A61J 11/00	(00) Assignment	(00) 14.06.2022
(00) Assignment	(71) AGFA OFFSET BV	(51) C07C 41/30
(71) AGFA OFFSET BV	(73) AGFA OFFSET BV	C08F 2/50
(73) AGFA OFFSET BV	(11) EP1765592	G03F 7/029
(11) EP1594696	(00) 14.06.2022	G03F 7/031
(00) 14.06.2022	(51) B41C 1/10	(00) Assignment
(51) B41C 1/10	(00) Assignment	(71) SK Chemicals Co., Ltd.
(00) Assignment	(71) Ortea SpA	(73) SK Chemicals Co., Ltd.
(71) Döhler GmbH	(73) Ortea SpA	(11) EP2222621
(73) Döhler GmbH	(11) EP2044684	(00) 07.06.2022
(11) EP1812548	(00) 09.06.2022	(51) C07C 17/25
(00) 08.06.2022	(51) H02P 25/16	(00) Assignment
(51) C12C 5/00	(00) Assignment	(71) SK discovery Co., Ltd.
C12C 12/00	(71) AGFA OFFSET BV	(73) SK Chemicals Co., Ltd.
A23L 2/84	(73) AGFA OFFSET BV	(11) EP2222621
A23L 1/05	(11) EP1826021	(00) 07.06.2022
(00) Assignment	(00) 14.06.2022	(51) C07C 17/25
(71) AGFA OFFSET BV	(51) B41C 1/10	(00) Change of owner(s) name
(73) AGFA OFFSET BV	B41N 3/03	(71) Cura Packaging B.V.
(11) EP1736312	(00) Assignment	(73) Cura Packaging B.V.
(00) 14.06.2022	(71) The Kitasato Institute	(11) 2015661
(51) B41C 1/10	MMAG Co., Ltd.	(00) 10.06.2022
(00) Assignment	(73) The Kitasato Institute	(51) B65D 51/24
(71) AGFA OFFSET BV	MMAG Co., Ltd.	(00) Assignment
(73) AGFA OFFSET BV	(11) EP1889540	(71) MMAG Co., Ltd.
(11) EP1910082	(00) 14.06.2022	(73) MMAG Co., Ltd.
(00) 14.06.2022	(51) A01N 43/90	(11) EP2426124
(51) B41C 1/10	(00) Assignment	(00) 14.06.2022
C09B 23/00	(71) SK discovery Co., Ltd.	(51) C07D 493/04
C09B 23/01	(73) SK Chemicals Co., Ltd.	(00) Assignment
C09B 23/08	(11) EP2099734	(71) XSPlatforms Intellectual Property B.V.
C09B 23/10	(00) 07.06.2022	(73) XSPlatforms Intellectual Property B.V.
(00) Assignment	(51) C07C 17/12	(11) 2016016
(71) AGFA OFFSET BV	C07C 23/10	(00) 09.06.2022
(73) AGFA OFFSET BV	(00) Change of owner(s) name	(51) A62B 35/04
(11) EP1788444	(71) Brooks Automation US, LLC	E04G 21/32
(00) 14.06.2022	(73) Brooks Automation US, LLC	F16F 7/12
(51) G03F 7/20	(11) EP1907173	(00) Assignment
G03F 7/32	(00) 08.06.2022	(71) C.M.C. S.P.A.
(00) Assignment	(51) B25J 9/06	(73) C.M.C. S.P.A.
(71) AGFA OFFSET BV	B25J 9/08	(11) EP2890616
(73) AGFA OFFSET BV	B25J 9/10	(00) 14.06.2022
(11) EP1788434	(00) Assignment	(51) B65D 5/20
(00) 14.06.2022	(71) Brooks Automation Holding, LLC	B65D 5/44
(51) G03F 7/085	(73) Brooks Automation US, LLC	(00) Assignment
G03F 7/11	(11) EP1907173	(71) SBM DEVELOPPEMENT
G03F 7/32	(00) 08.06.2022	(73) SBM DEVELOPPEMENT
(00) Assignment	(51) B25J 9/06	(11) EP2499057
(71) AGFA OFFSET BV	B25J 9/08	(00) 09.06.2022
	B25J 9/10	(51) B65D 25/52

B65D 47/26	C08G 75/14	A43B 17/14
B65D 83/04	C08J 5/18	A43D 1/02
B65D 83/06	C08G 75/02	A61F 5/14
G01F 11/26	C08G 75/04	B29D 35/12
(00) Assignment	(00) Assignment	B29D 35/14
(71) AGFA OFFSET BV	(71) LEOTEK CORPORATION	(00) Assignment
(73) AGFA OFFSET BV	(73) LEOTEK CORPORATION	(71) Brooks Automation Holding, LLC
(11) EP2755088	(11) EP2587129	(73) Brooks Automation US, LLC
(00) 14.06.2022	(00) 07.06.2022	(11) EP3020065
(51) G03F 7/30	(51) F21V 5/04	(00) 08.06.2022
(00) Assignment	F21W 111/02	(51) H01L 21/67
(71) SK discovery Co., Ltd.	F21Y 115/10	H01L 21/677
(73) SK Chemicals Co., Ltd.	(00) Assignment	(00) Assignment
(11) EP2546280	(71) C.M.C. S.P.A.	(71) Kondoh Industries Ltd.
(00) 07.06.2022	(73) C.M.C. S.P.A.	(73) Cambridge Filter Corporation
(51) C08G 75/14	(11) EP2890554	(11) EP2056653
C08J 5/18	(00) 14.06.2022	(00) 01.06.2022
C08G 75/02	(51) B31B 1/16	(51) H05F 3/06
(00) Change of owner(s) name	B31B 1/22	(00) Merge
(71) XSPlatforms Intellectual Property B.V.	B31B 1/25	(71) Cambridge Filter Corporation
(73) XSPlatforms Intellectual Property B.V.	B31B 1/62	(73) Cambridge Filter Corporation
(11) 2016476	B31B 3/00	(11) EP2056653
(00) 09.06.2022	B65B 11/00	(00) 01.06.2022
(51) A62B 35/00	B65B 57/12	(51) H05F 3/06
(00) Assignment	B65D 5/20	(00) Change of owner(s) name
(71) WESTPORT FUEL SYSTEMS CANADA INC.	B65D 75/14	(71) Fred Hutchinson Cancer Center
(73) WESTPORT FUEL SYSTEMS CANADA INC.	(00) Assignment	(73) Fred Hutchinson Cancer Center
(11) EP2622190	(71) SK Chemicals Co., Ltd.	(11) EP2776451
(00) 09.06.2022	(73) SK Chemicals Co., Ltd.	(00) 09.06.2022
(51) F01B 17/00	(11) EP2546280	(51) A61K 38/08
F01B 21/00	(00) 07.06.2022	A61K 38/10
F02B 43/00	(51) C08G 75/14	A61P 35/00
F02B 43/02	C08J 5/18	C07K 7/06
F02B 43/10	C08G 75/02	C07K 7/08
F02B 69/04	(00) Assignment	C12N 5/10
F02B 73/00	(71) SK discovery Co., Ltd.	C12N 15/12
F02M 21/06	(73) SK Chemicals Co., Ltd.	(00) Merge
F02M 31/12	(11) EP2532699	(71) DDP Specialty Electronic Materials US, Inc.
F17C 9/00	(00) 07.06.2022	(73) Ravago S.A.
(00) Change of owner(s) name	(51) C08G 75/16	(11) EP2438111
(71) Siga Technologies, Inc.	C08J 5/18	(00) 13.06.2022
(73) Siga Technologies, Inc.	(00) Change of owner(s) name	(51) C08J 9/00
(11) EP1638938	(71) SK Chemicals Co., Ltd.	C08J 9/12
(00) 02.06.2022	(73) SK Chemicals Co., Ltd.	C08L 25/04
(51) A61K 31/4035	(11) EP2532699	(00) Assignment
A61P 31/12	(00) 07.06.2022	(71) Ravago S.A.
C07D 209/48	(51) C08G 75/16	(73) Ravago S.A.
C07D 209/56	C08J 5/18	(11) EP2438111
C07D 401/12	(00) Assignment	(00) 13.06.2022
(00) Change of owner(s) name	(71) Brooks Automation US, LLC	(51) C08J 9/00
(71) SK discovery Co., Ltd.	(73) Brooks Automation US, LLC	C08J 9/12
(73) SK Chemicals Co., Ltd.	(11) EP3020065	C08L 25/04
(11) EP2383308	(00) 08.06.2022	(00) Assignment
(00) 07.06.2022	(51) H01L 21/67	(71) The Dow Chemical Company
(51) C08G 75/06	H01L 21/677	(73) Ravago S.A.
C08G 75/14	(00) Assignment	(11) EP2438111
C08J 5/18	(71) XSPlatforms Intellectual Property B.V.	(00) 13.06.2022
C08G 75/02	(73) XSPlatforms Intellectual Property B.V.	(51) C08J 9/00
C08G 75/04	(11) 2016911	C08J 9/12
(00) Change of owner(s) name	(00) 09.06.2022	C08L 25/04
(71) SK Chemicals Co., Ltd.	(51) A62B 1/14	(00) Assignment
(73) SK Chemicals Co., Ltd.	(00) Assignment	(71) AGFA OFFSET BV
(11) EP2383308	(71) Dominik Stumpf	(73) AGFA OFFSET BV
(00) 07.06.2022	(73) Dominik Stumpf	(11) EP3055838
(51) C08G 75/06	(11) EP2953592	(00) 14.06.2022
	(00) 13.06.2022	(51) G06T 11/60
	(51) A43B 7/14	

(00) Assignment	(00) Assignment	(00) Assignment
(71) AGFA OFFSET BV	(71) C.M.C. S.P.A.	(71) AGFA OFFSET BV
(73) AGFA OFFSET BV	(73) C.M.C. S.P.A.	(73) AGFA OFFSET BV
(11) EP3181357	(11) EP3464073	(11) EP3243668
(00) 14.06.2022	(00) 14.06.2022	(00) 14.06.2022
(51) B41C 1/00	(51) B65B 5/02	(51) B41M 5/00
B41N 1/12	B31B 50/22	G06K 15/02
G03F 7/00	(00) Assignment	H04N 1/405
G03F 7/20	(71) C.M.C. S.P.A.	B42D 25/337
B29C 67/00	(73) C.M.C. S.P.A.	(00) Assignment
(00) Assignment	(11) EP3464074	(71) C.M.C. S.P.A.
(71) AGFA OFFSET BV	(00) 14.06.2022	(73) C.M.C. S.P.A.
(73) AGFA OFFSET BV	(51) B65B 5/02	(11) EP3464086
(11) EP3011392	B65B 7/20	(00) 14.06.2022
(00) 14.06.2022	B65B 7/26	(51) B65B 5/02
(51) B41C 1/10	B65B 11/00	B65D 5/20
G03F 7/00	B65B 49/08	B65D 5/44
G03F 7/09	B65D 5/20	B31B 50/36
(00) Assignment	B65D 5/44	B31B 50/54
(71) AGFA OFFSET BV	B31B 50/52	B31B 100/00
(73) AGFA OFFSET BV	B31B 50/62	B31B 110/35
(11) EP2817957	B31B 100/00	B31B 120/10
(00) 14.06.2022	(00) Assignment	B31B 120/40
(51) H04N 1/60	(71) Armorgard Holdings Limited	(00) Assignment
(00) Assignment	(73) Armorgard Holdings Limited	(71) Andreas Everardus Wilhelmus Tijssen
(71) Caprice Holding B.V.	(11) EP3434403	(73) Andreas Everardus Wilhelmus Tijssen
(73) Caprice Holding B.V.	(00) 13.06.2022	(11) EP3222798
(11) EP3045280	(51) B23D 47/02	(00) 10.06.2022
(00) 10.06.2022	B25H 1/14	(51) A62B 35/00
(51) B28B 11/00	B27B 5/10	E04G 21/32
B28B 11/10	(00) Assignment	E04H 12/22
(00) Assignment	(71) Brooks Automation Holding, LLC	(00) Assignment
(71) C.M.C. S.P.A.	(73) Brooks Automation US, LLC	(71) Brooks Automation US, LLC
(73) C.M.C. S.P.A.	(11) EP1540459	(73) Brooks Automation US, LLC
(11) EP3277589	(00) 08.06.2022	(11) EP1540459
(00) 14.06.2022	(51) G03F 7/20	(00) 08.06.2022
(51) B65B 5/02	H01L 21/673	(51) G03F 7/20
B65B 5/06	H01L 21/677	H01L 21/673
B65B 11/00	H01L 21/687	H01L 21/677
B65B 11/06	(00) Assignment	H01L 21/687
B65B 43/10	(71) AGFA OFFSET BV	(00) Assignment
B65B 49/02	(73) AGFA OFFSET BV	(71) C.M.C. S.P.A.
B65B 59/00	(11) EP3346332	(73) C.M.C. S.P.A.
B65D 25/06	(00) 14.06.2022	(11) EP3464085
B65D 25/38	(51) B41C 1/10	(00) 14.06.2022
B65D 43/12	G03F 7/00	(51) B65D 5/20
B65D 43/20	G03F 7/09	B65D 5/44
(00) Assignment	(00) Assignment	(00) Assignment
(71) AGFA OFFSET BV	(71) Birkenstock IP GmbH	(71) Brooks Automation Holding, LLC
(73) AGFA OFFSET BV	(73) Birkenstock IP GmbH	(73) Brooks Automation US, LLC
(11) EP3120293	(11) EP3367832	(11) EP3218925
(00) 14.06.2022	(00) 14.06.2022	(00) 08.06.2022
(51) G06K 7/10	(51) A41B 11/00	(51) H01L 21/67
G06K 19/06	A41B 11/02	H01L 21/677
(00) Assignment	(00) Assignment	H01L 21/68
(71) Cura Packaging B.V.	(71) AGFA OFFSET BV	H01L 21/687
(73) Cura Packaging B.V.	(73) AGFA OFFSET BV	(00) Assignment
(11) EP3393572	(11) EP3182206	(71) Brooks Automation US, LLC
(00) 10.06.2022	(00) 14.06.2022	(73) Brooks Automation US, LLC
(51) A61J 1/14	(51) G03F 7/20	(11) EP3218925
A61J 1/20	(00) Assignment	(00) 08.06.2022
A61M 39/00	(71) Dominik Stumpf	(51) H01L 21/67
A61M 39/02	(73) Dominik Stumpf	H01L 21/677
A61M 39/04	(11) EP3363315	H01L 21/68
A61M 39/20	(00) 13.06.2022	H01L 21/687
A61M 39/26	(51) A43B 7/14	(00) Assignment
B65D 51/00	A43B 7/24	(71) AGFA OFFSET BV

(73) AGFA OFFSET BV	(00) 14.06.2022
(11) EP3558646	(51) B41C 1/10
(00) 14.06.2022	(00) Assignment
(51) B33Y 80/00	(71) OFFICINE M.T.M. S.p.A.
B29C 64/124	(73) OFFICINE M.T.M. S.p.A.
B29C 64/245	(11) EP3585548
B29C 64/264	(00) 13.06.2022
B29C 64/336	(51) B23D 21/02
(00) Assignment	B23D 35/00
(71) AGFA OFFSET BV	B26D 5/02
(73) AGFA OFFSET BV	B65H 75/24
(11) EP3558678	B26D 7/26
(00) 14.06.2022	B65H 75/26
(51) B33Y 80/00	B65H 75/22
B29C 64/124	B65H 75/14
B29C 64/245	B26D 1/24
B29C 64/336	(00) Assignment
(00) Assignment	(71) AEQUOR S.r.l.
(71) C.M.C. S.P.A.	(73) AEQUOR S.r.l.
(73) C.M.C. S.P.A.	(11) EP3728435
(11) EP3463844	(00) 07.06.2022
(00) 14.06.2022	(51) C08K 3/22
(51) B65B 5/02	C08K 3/04
B31B 50/16	(00) Assignment
B31B 50/25	(71) Synexis LLC
(00) Assignment	(73) Synexis LLC
(71) AGFA OFFSET BV	(11) EP3035971
(73) AGFA OFFSET BV	(00) 07.06.2022
(11) EP3495891	(51) A61L 2/20
(00) 14.06.2022	(00) Assignment
(51) G03F 7/20	(71) Equinox Sciences, LLC.
G03F 7/40	(73) Equinox Sciences, LLC.
(00) Assignment	(11) EP3502105
(71) Brooks Automation US, LLC	(00) 09.06.2022
(73) Brooks Automation US, LLC	(51) C07D 403/14
(11) EP2948980	A61K 31/404
(00) 08.06.2022	A61P 35/00
(51) H01L 21/673	(00) Assignment
H01L 21/67	(71) PF Argentum IP Holdings LLC
H01L 21/677	(73) PF Argentum IP Holdings LLC
(00) Assignment	(11) EP3575326
(71) Brooks Automation Holding, LLC	(00) 09.06.2022
(73) Brooks Automation US, LLC	(51) C07K 19/00
(11) EP2948980	A61K 38/16
(00) 08.06.2022	A61K 38/45
(51) H01L 21/673	A61P 35/02
H01L 21/67	C07K 14/705
H01L 21/677	C07K 16/00
(00) Assignment	C12N 15/62
(71) AGFA OFFSET BV	A61K 38/00
(73) AGFA OFFSET BV	(00) Assignment
(11) EP3608721	
(00) 14.06.2022	
(51) G03F 7/20	
(00) Assignment	
(71) RENK GmbH	
(73) RENK GmbH	
(11) EP2840451	
(00) 13.06.2022	
(51) G05B 19/042	
B63J 3/02	
B63H 21/17	
B63H 21/21	
(00) Assignment	
(71) AGFA OFFSET BV	
(73) AGFA OFFSET BV	
(11) EP3431290	

TVH

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